

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060821.D
 Acq On : 1 Feb 2019 16:07
 Operator : VA/AP
 Sample : K1297-02MS
 Misc : 3.72g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMS

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 4:42:59 PM

Quant Time: Feb 02 01:45:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.76	168	344927	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.95	114	462591	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.14	117	347149	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.31	152	135243	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.18	65	325720	61.60	ug/l	-0.04
Spiked Amount			Recovery	=	123.20%	
35) Dibromofluoromethane	6.65	113	249786	56.30	ug/l	-0.03
Spiked Amount			Recovery	=	112.60%	
50) Toluene-d8	10.16	98	523906	50.57	ug/l	-0.03
Spiked Amount			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	13.34	95	196420	37.72	ug/l	-0.02
Spiked Amount			Recovery	=	75.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	279459	66.637	ug/l	93
3) Chloromethane	1.74	50	145239	57.844	ug/l	100
4) Vinyl Chloride	1.83	62	163178	61.225	ug/l	95
5) Bromomethane	2.12	94	58690	69.710	ug/l	92
6) Chloroethane	2.23	64	80693	103.104	ug/l	92
7) Trichlorofluoromethane	2.47	101	386574	73.684	ug/l	96
8) Diethyl Ether	2.78	74	57976	74.994	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.04	101	159551	60.008	ug/l	94
10) Methyl Iodide	3.19	142	178266	64.039	ug/l	91
11) Tert butyl alcohol	3.89	59	88488	350.158	ug/l	98
12) 1,1-Dichloroethene	3.02	96	116367	64.046	ug/l	92
13) Acrolein	2.94	56	17074	192.263	ug/l #	80
14) Allyl chloride	3.48	41	275533	65.164	ug/l	97
15) Acrylonitrile	4.01	53	166001	293.170	ug/l	97
16) Acetone	3.10	43	298108	390.313	ug/l	95
17) Carbon Disulfide	3.26	76	342622	53.235	ug/l	98
18) Methyl Acetate	3.50	43	306921	202.710	ug/l	95
19) Methyl tert-butyl Ether	4.06	73	557062	67.156	ug/l	96
20) Methylene Chloride	3.65	84	195480	59.050	ug/l	98
21) trans-1,2-Dichloroethene	4.03	96	155155	48.441	ug/l	95
22) Diisopropyl ether	4.85	45	668759	61.378	ug/l #	80
23) Vinyl Acetate	4.80	43	426416	67.959	ug/l	98
24) 1,1-Dichloroethane	4.74	63	421847	59.141	ug/l	98
25) 2-Butanone	5.80	43	333369	341.013	ug/l	92
26) 2,2-Dichloropropane	5.75	77	448918	59.731	ug/l	98
27) cis-1,2-Dichloroethene	5.77	96	174553	47.849	ug/l	89
28) Bromochloromethane	6.16	49	152917	54.956	ug/l	99
29) Tetrahydrofuran	6.19	42	141977	302.428	ug/l	99
30) Chloroform	6.39	83	491222	58.266	ug/l	97
31) Cyclohexane	6.69	56	182384	37.581	ug/l	97
32) 1,1,1-Trichloroethane	6.60	97	469217	57.795	ug/l	95
36) 1,1-Dichloropropene	6.87	75	280581	50.800	ug/l	97
37) Ethyl Acetate	5.91	43	103107	41.819	ug/l #	94
38) Carbon Tetrachloride	6.84	117	391585	56.539	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.60	83	129470	27.991	ug/l	95
40) Benzene	7.19	78	568216	52.125	ug/l	97
41) Methacrylonitrile	6.18	41	97861m	62.499	ug/l	
42) 1,2-Dichloroethane	7.31	62	423093	66.810	ug/l	97
43) Isopropyl Acetate	8.98	43	118100	36.726	ug/l	90
44) Trichloroethene	8.27	130	194499	52.632	ug/l	96
45) 1,2-Dichloropropane	8.67	63	147501	49.985	ug/l	99
46) Dibromomethane	8.80	93	148294	64.735	ug/l	91
47) Bromodichloromethane	9.12	83	381771	61.743	ug/l	97
48) Methyl methacrylate	8.86	41	177069	79.850	ug/l	94
49) 1,4-Dioxane	8.83	88	22620	1171.063	ug/l	93
51) 4-Methyl-2-Pentanone	10.05	43	743794	357.170	ug/l	100
52) Toluene	10.26	92	328387	47.491	ug/l	99
53) t-1,3-Dichloropropene	10.66	75	302978	55.706	ug/l	98
54) cis-1,3-Dichloropropene	9.79	75	311965	55.934	ug/l	90
55) 1,1,2-Trichloroethane	10.95	97	142098	60.274	ug/l	99
56) Ethyl methacrylate	10.80	69	128613	45.034	ug/l	94
57) 1,3-Dichloropropane	11.17	76	229493	56.958	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.60	63	461311	307.852	ug/l	94
59) 2-Hexanone	11.29	43	518380	331.063	ug/l	90
60) Dibromochloromethane	11.45	129	249652	58.903	ug/l	94
61) 1,2-Dibromoethane	11.57	107	171709	61.844	ug/l	96
64) Tetrachloroethene	11.02	164	132925	41.722	ug/l	98
65) Chlorobenzene	12.17	112	377946	47.641	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.29	131	206889	60.701	ug/l	98
67) Ethyl Benzene	12.30	91	692600	48.551	ug/l	97
68) m/p-Xylenes	12.44	106	406009	87.481	ug/l	90
69) o-Xylene	12.83	106	213606	46.502	ug/l	89
70) Styrene	12.85	104	324562	42.135	ug/l	91
71) Bromoform	13.02	173	153732	59.866	ug/l	97
73) Isopropylbenzene	13.18	105	575035	53.328	ug/l	96
74) N-amyl acetate	13.05	43	129658	39.113	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	13.49	83	156106	79.509	ug/l	98
76) 1,2,3-Trichloropropane	13.52	75	195992	79.028	ug/l	99
77) Bromobenzene	13.46	156	158798	57.289	ug/l	90
78) n-propylbenzene	13.56	91	661324	48.855	ug/l	96
79) 2-Chlorotoluene	13.63	91	411717	49.866	ug/l	95
80) 1,3,5-Trimethylbenzene	14.03	105	504841	54.384	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.26	75	51188	79.169	ug/l	97
82) 4-Chlorotoluene	13.73	91	469336	51.147	ug/l	93
83) tert-Butylbenzene	13.98	119	491346	50.591	ug/l	93
84) 1,2,4-Trimethylbenzene	14.03	105	504841	54.384	ug/l	98
85) sec-Butylbenzene	14.16	105	422767	38.240	ug/l	98
86) p-Isopropyltoluene	14.29	119	471903	52.575	ug/l	98
87) 1,3-Dichlorobenzene	14.25	146	205794	41.509	ug/l	95
88) 1,4-Dichlorobenzene	14.33	146	218866	45.435	ug/l	96
89) n-Butylbenzene	14.59	91	302782	32.332	ug/l	98
90) Hexachloroethane	14.80	117	105026	39.321	ug/l	81
91) 1,2-Dichlorobenzene	14.60	146	194504	47.265	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.17	75	35079	75.204	ug/l	75

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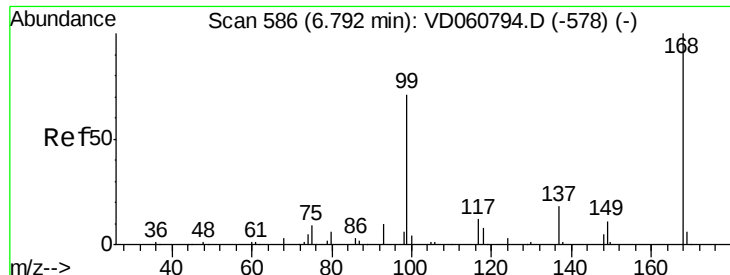
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.74	180	92908	26.074	ug/l	98
94) Hexachlorobutadiene	15.83	225	48253	18.048	ug/l	96
95) Naphthalene	15.92	128	206846	37.782	ug/l	98
96) 1,2,3-Trichlorobenzene	16.07	180	75187	24.266	ug/l	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.76 min Scan# 583

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

Tot Ion:168 Resp: 344927

Ion Ratio Lower Upper

168 100

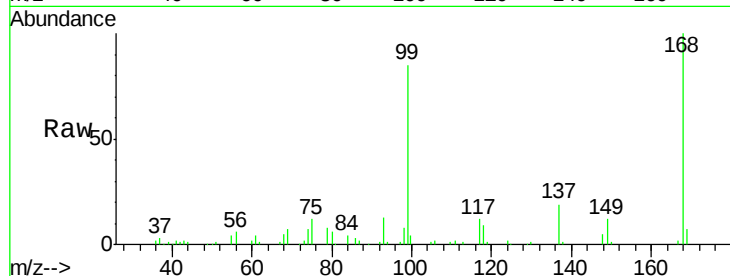
99 84.9 59.2 88.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.76

120000

100000

80000

60000

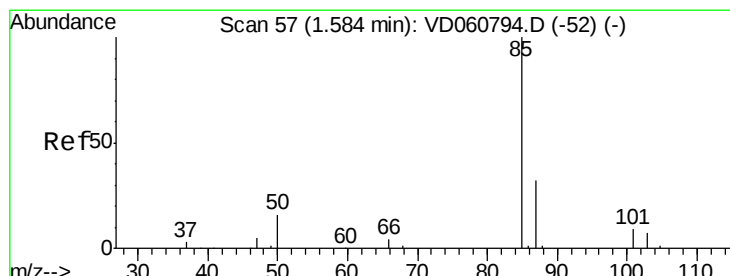
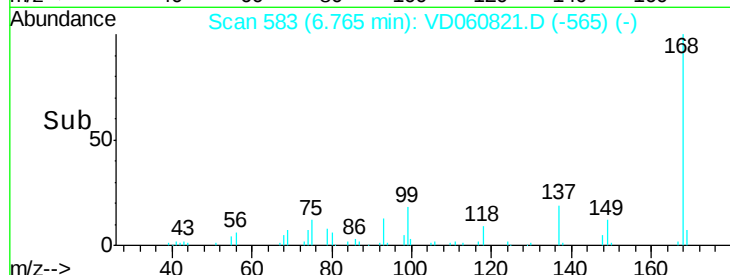
40000

20000

0

6.60 6.70 6.80 6.90 7.00

Time-->



#2

Dichlorodifluoromethane

Concen: 66.637 ug/l

RT: 1.58 min Scan# 56

Delta R.T. -0.01 min

Lab File: VD060821.D

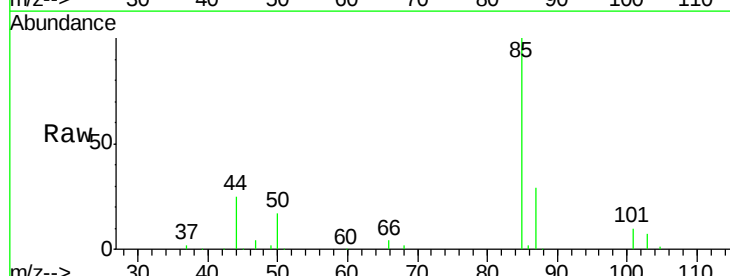
Acq: 1 Feb 2019 16:07

Tgt Ion: 85 Resp: 279459

Ion Ratio Lower Upper

85 100

87 28.6 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

100000

80000

60000

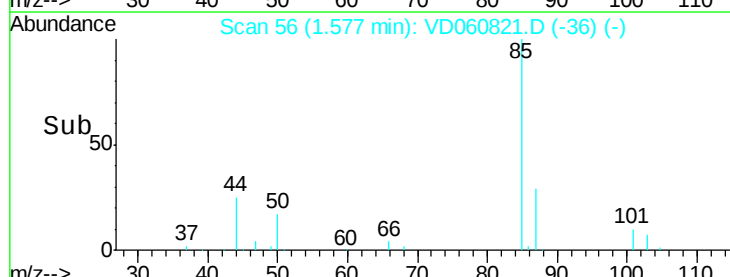
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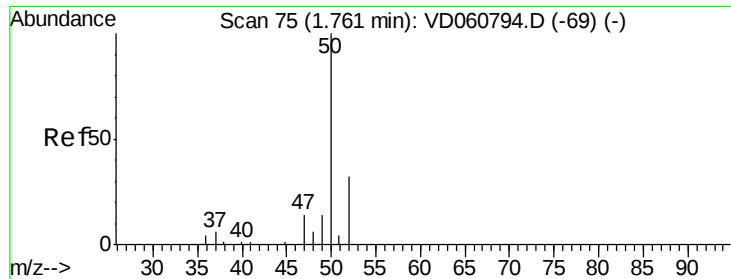
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 57.844 ug/l

RT: 1.74 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Tot Ion: 50 Resp: 145239

Ion Ratio Lower Upper

50 100

52 31.4 25.2 37.8

Instrument :

MSVOA_D

ClientSampleId :

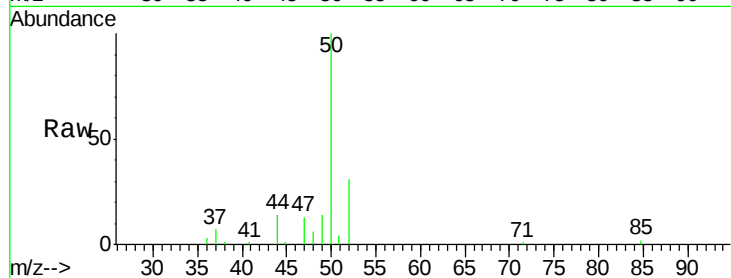
A0C17-SSIMS

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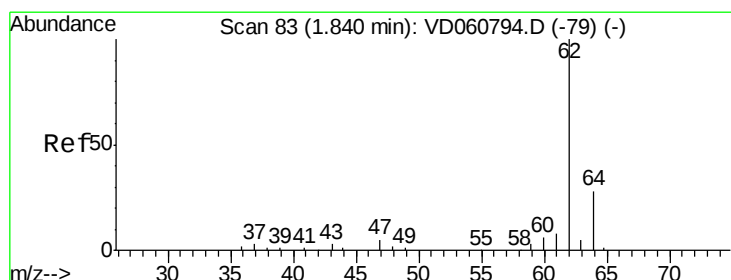
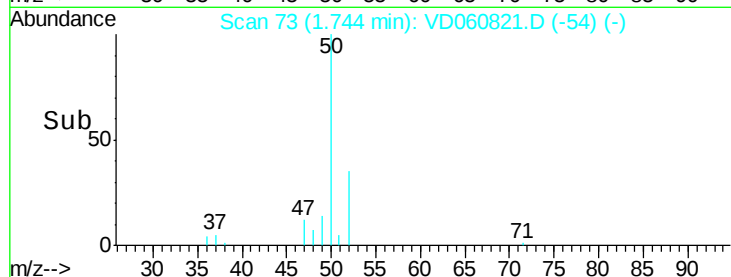
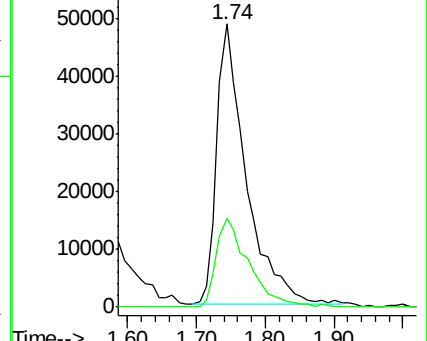
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 61.225 ug/l

RT: 1.83 min Scan# 82

Delta R.T. -0.01 min

Lab File: VD060821.D

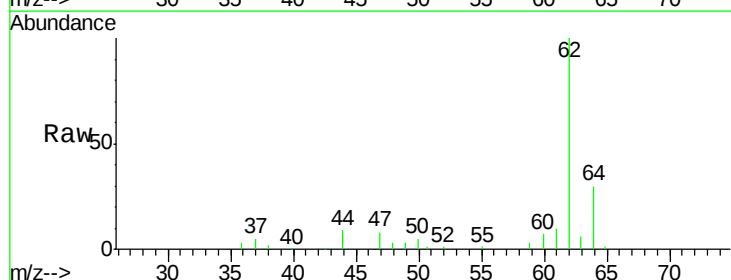
Acq: 1 Feb 2019 16:07

Tgt Ion: 62 Resp: 163178

Ion Ratio Lower Upper

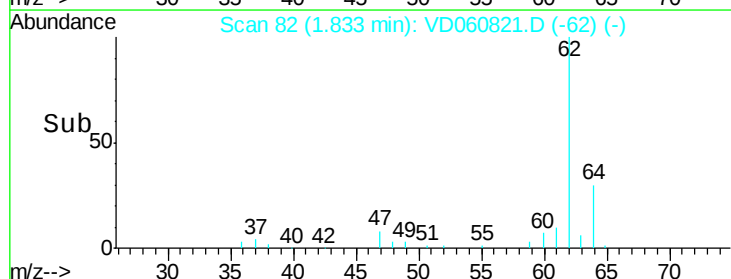
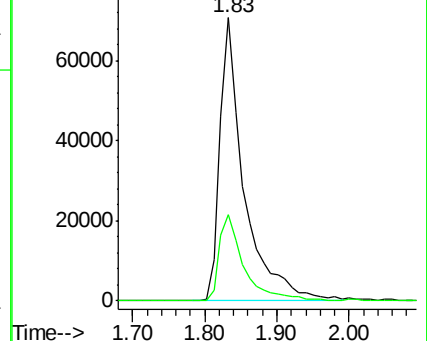
62 100

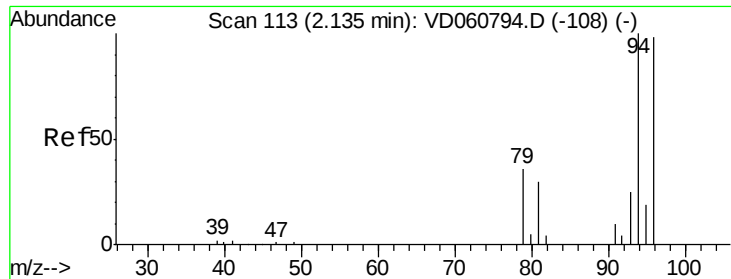
64 30.4 22.1 33.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 69.710 ug/l

RT: 2.12 min Scan# 111

Delta R.T. -0.02 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampled :

A0C17-SSIMS

Tot Ion: 94 Resp: 58690

Ion Ratio Lower Upper

94 100

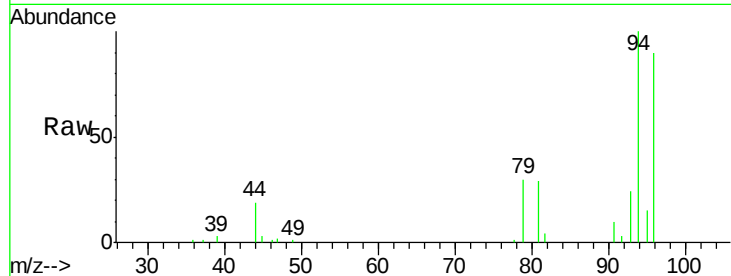
96 90.0 78.0 117.0

Manual Integrations

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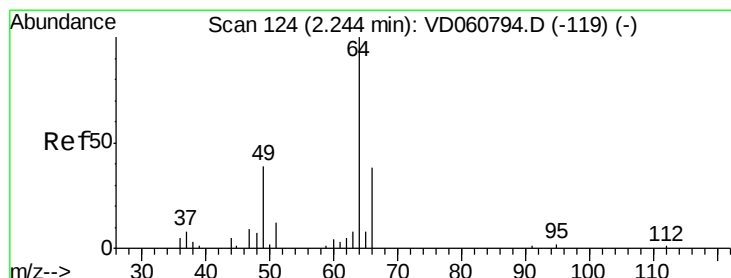
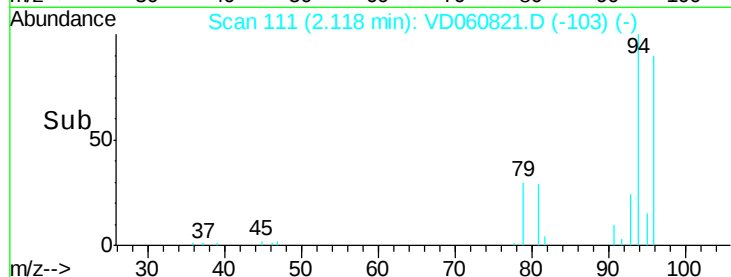
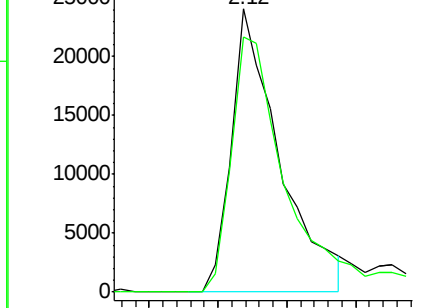
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 103.104 ug/l

RT: 2.23 min Scan# 122

Delta R.T. -0.02 min

Lab File: VD060821.D

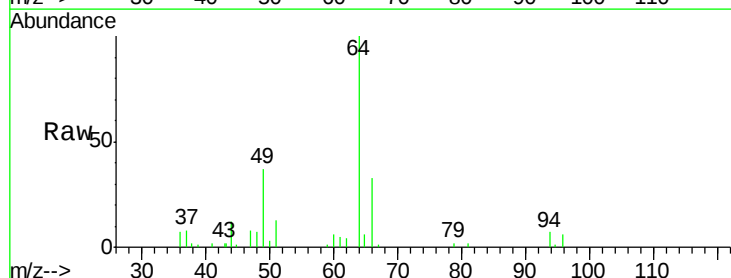
Acq: 1 Feb 2019 16:07

Tgt Ion: 64 Resp: 80693

Ion Ratio Lower Upper

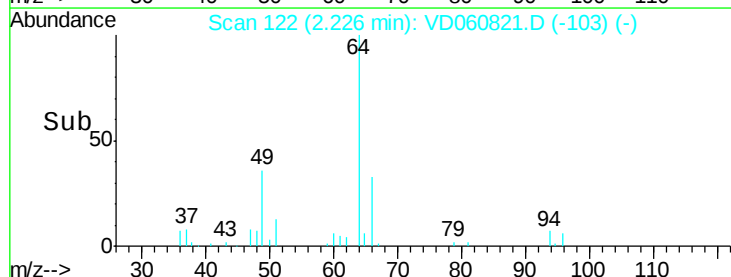
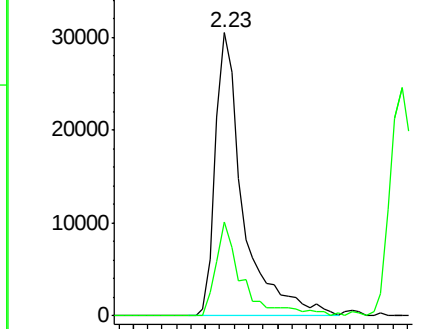
64 100

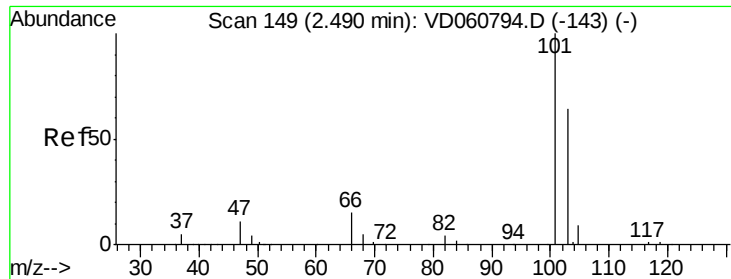
66 33.0 30.2 45.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

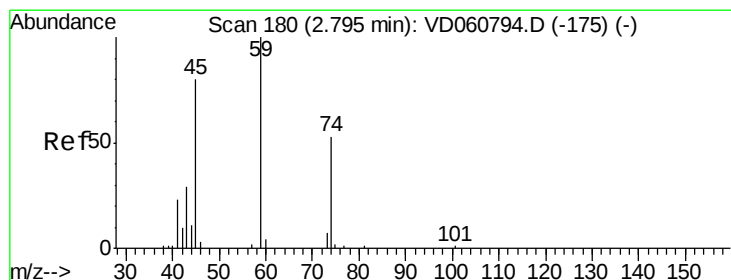
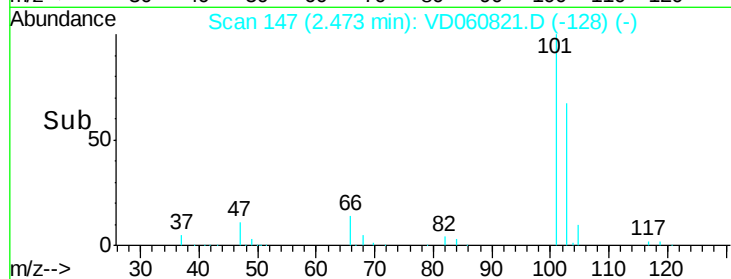
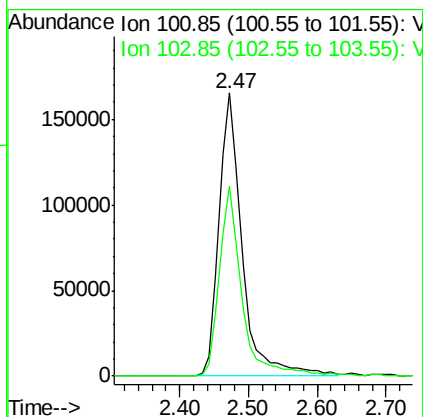
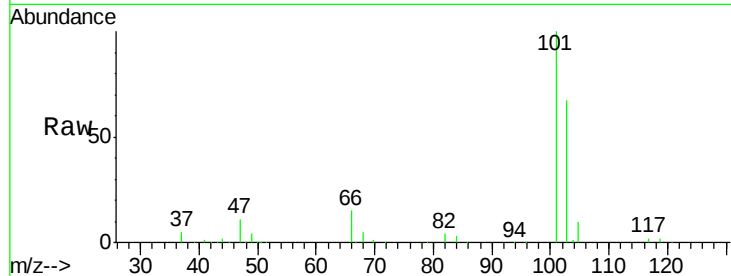
Trichlorofluoromethane
Concen: 73.684 ug/l
RT: 2.47 min Scan# 147
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	386574		
103	67.0	51.3	76.9	

Manual Integrations
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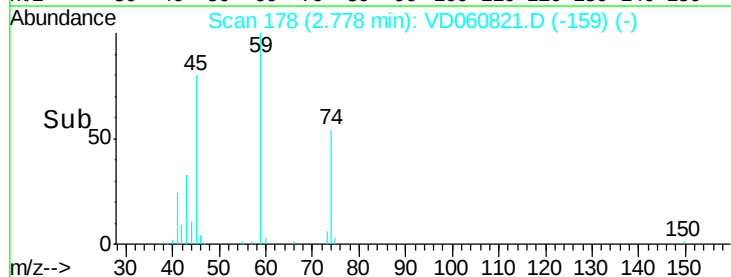
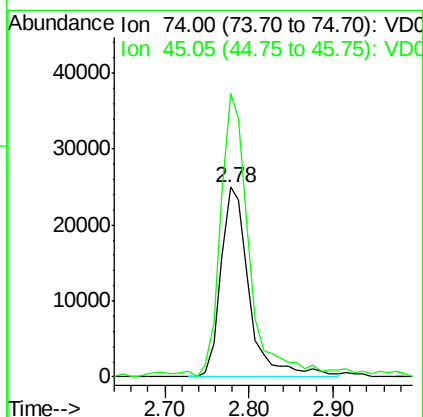
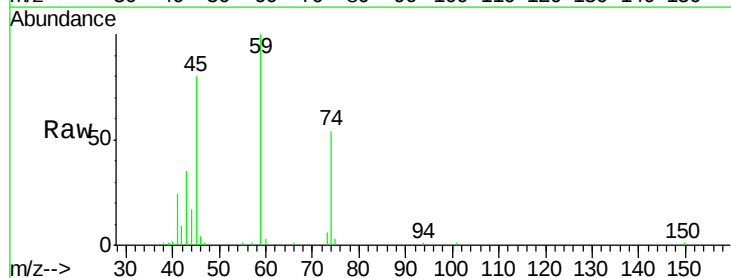
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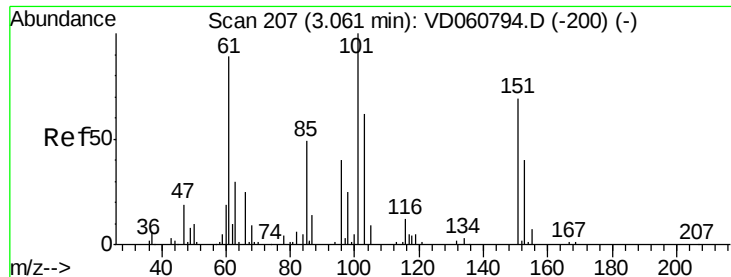


#8

Diethyl Ether
Concen: 74.994 ug/l
RT: 2.78 min Scan# 178
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	57976		
45	149.3	75.6	226.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 60.008 ug/l

RT: 3.04 min Scan# 205

Delta R.T. -0.02 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

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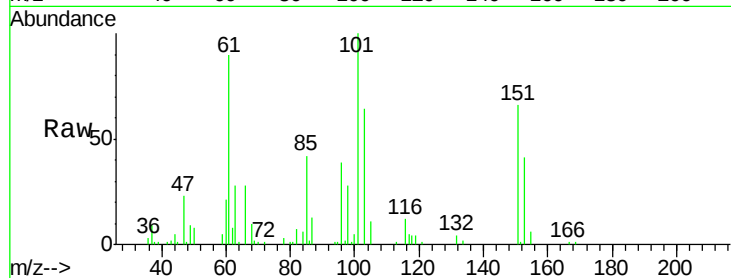
ClientSampleId :

A0C17-SSIMS

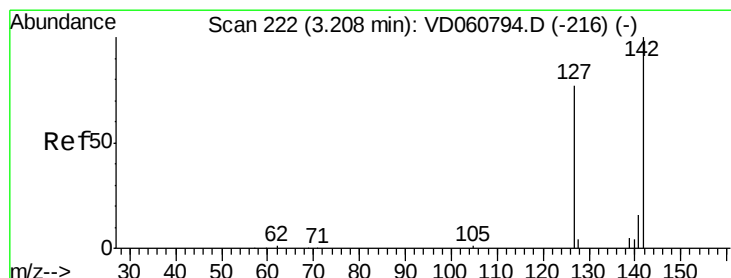
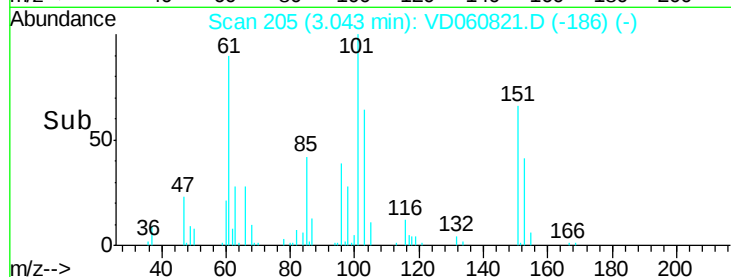
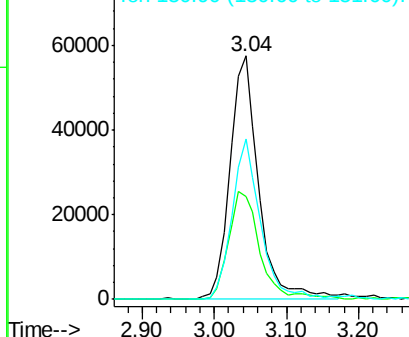
Tot Ion:	101	Resp:	159551
Ion Ratio	Lower	Upper	
101	100		
85	42.3	39.3	58.9
151	65.7	55.1	82.7

Manual Integrations
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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 64.039 ug/l

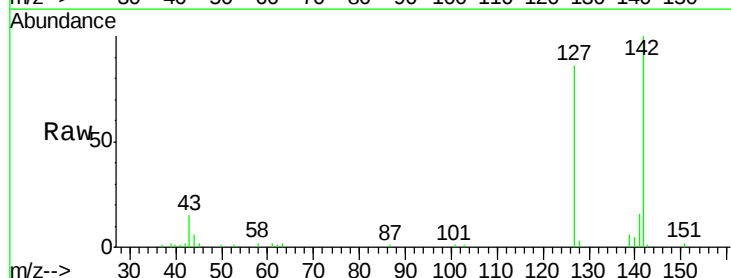
RT: 3.19 min Scan# 220

Delta R.T. -0.02 min

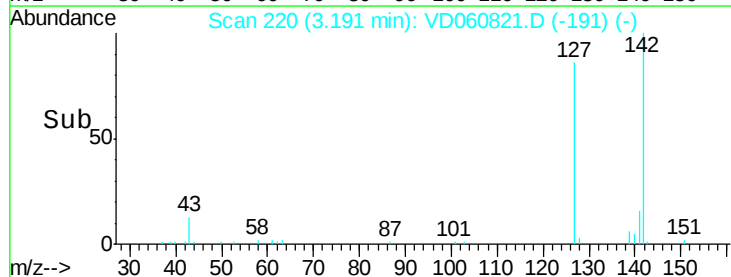
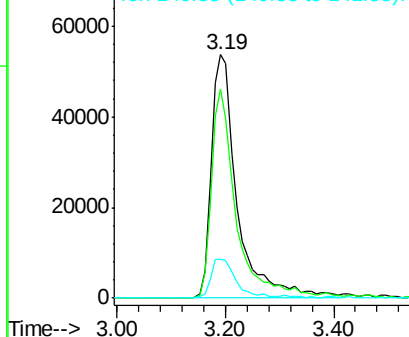
Lab File: VD060821.D

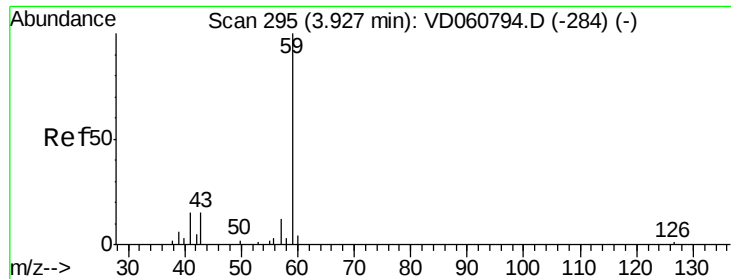
Acq: 1 Feb 2019 16:07

Tgt Ion:	142	Resp:	178266
Ion Ratio	Lower	Upper	
142	100		
127	85.9	61.6	92.4
141	16.2	12.5	18.7



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





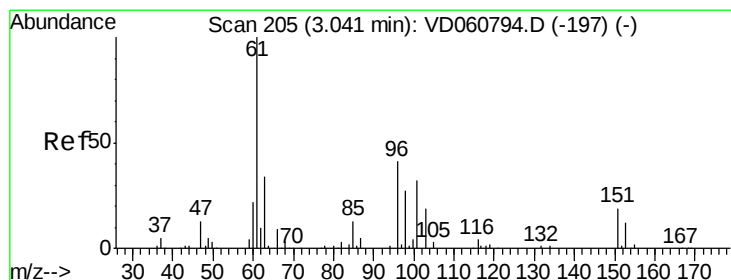
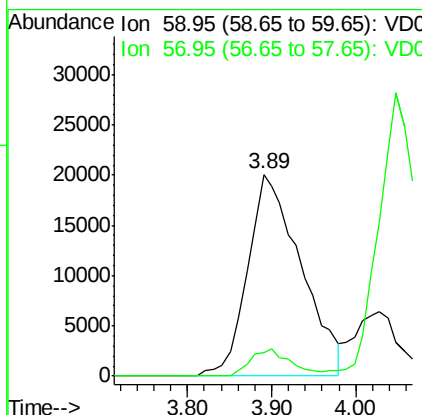
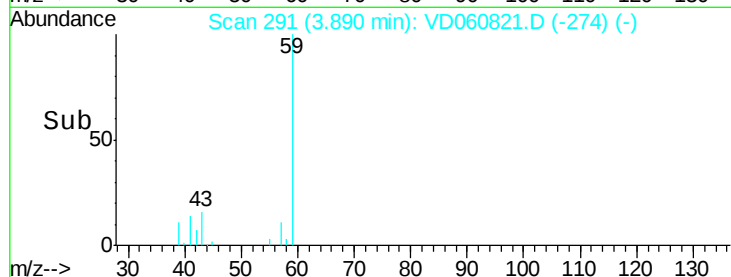
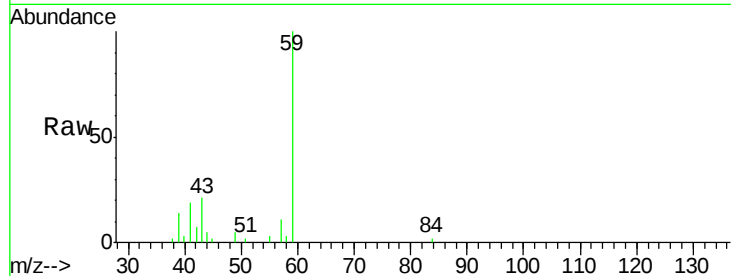
#11
Tert butyl alcohol
Concen: 350.158 ug/l
RT: 3.89 min Scan# 291
Delta R.T. -0.04 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion: 59 Resp: 88488
Ion Ratio Lower Upper
59 100
57 11.4 9.8 14.6

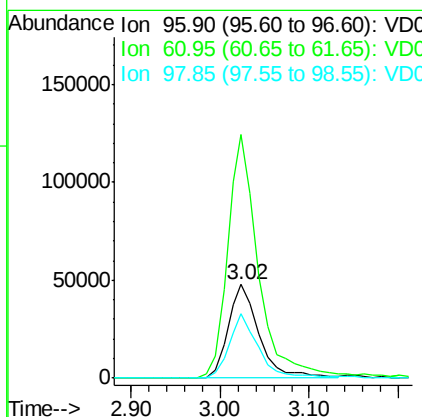
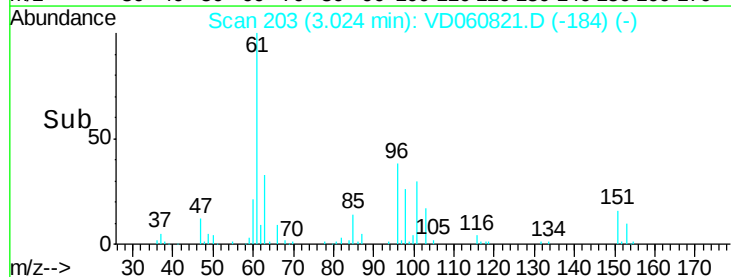
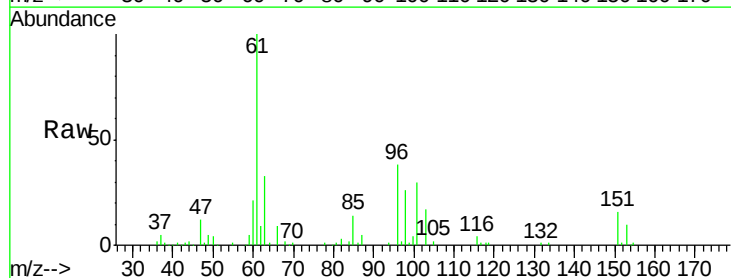
Manual Integrations
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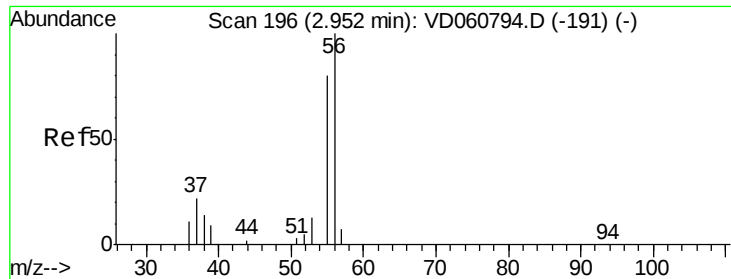
MMDadoda
2/4/2019 4:42:59 PM



#12
1,1-Dichloroethene
Concen: 64.046 ug/l
RT: 3.02 min Scan# 203
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion: 96 Resp: 116367
Ion Ratio Lower Upper
96 100
61 260.1 195.1 292.7
98 68.8 52.5 78.7





#13

Acrolein

Concen: 192.263 ug/l

RT: 2.94 min Scan# 194

Delta R.T. -0.02 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

Tot Ion: 56 Resp: 17074

Ion Ratio Lower Upper

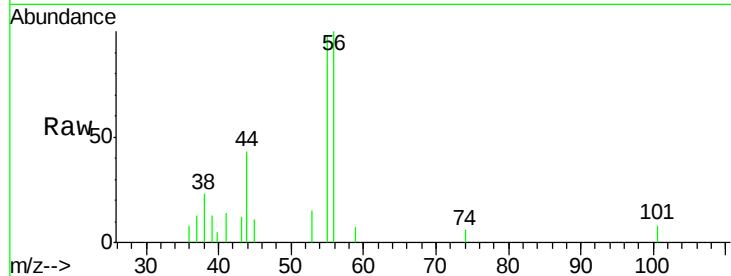
56 100

55 97.6 64.2 96.2#

Manual Integrations
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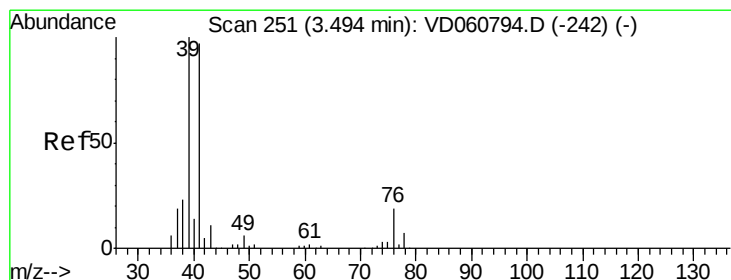
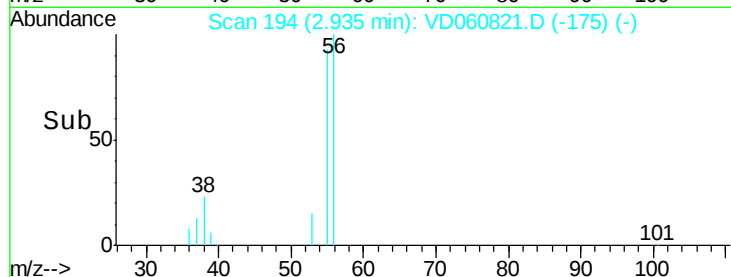
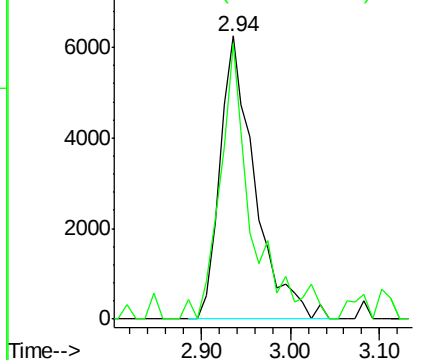
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 65.164 ug/l

RT: 3.48 min Scan# 249

Delta R.T. -0.02 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

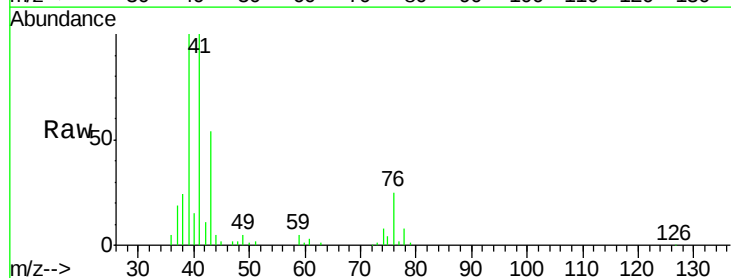
Tgt Ion: 41 Resp: 275533

Ion Ratio Lower Upper

41 100

39 99.7 82.6 123.8

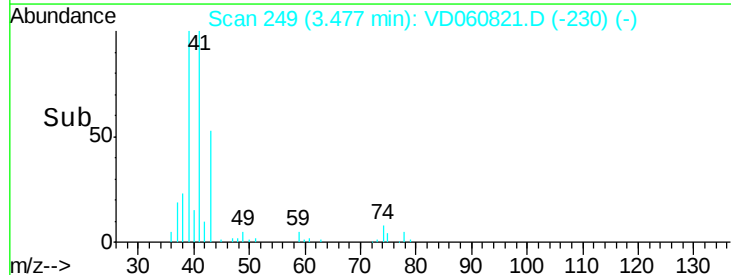
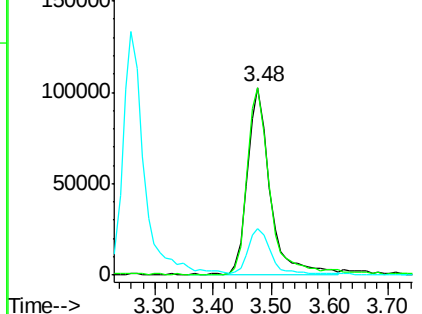
76 24.8 18.9 28.3

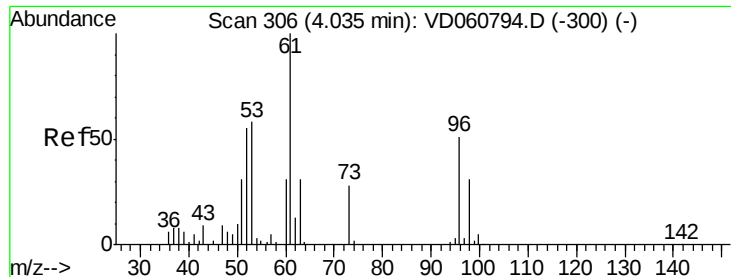


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 293.170 ug/l

RT: 4.01 min Scan# 303

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

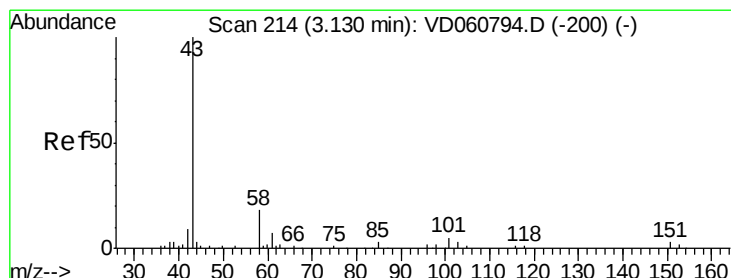
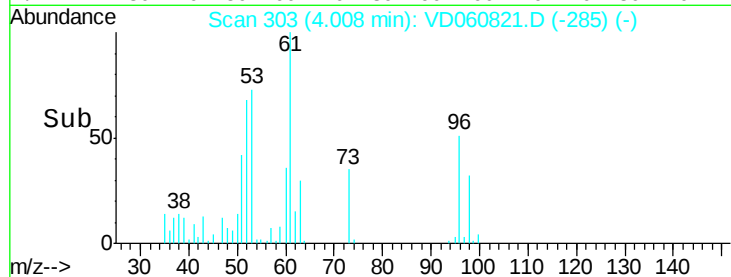
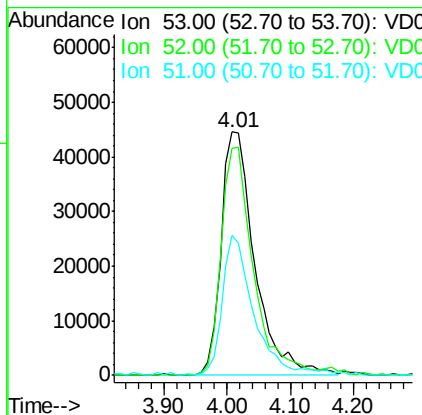
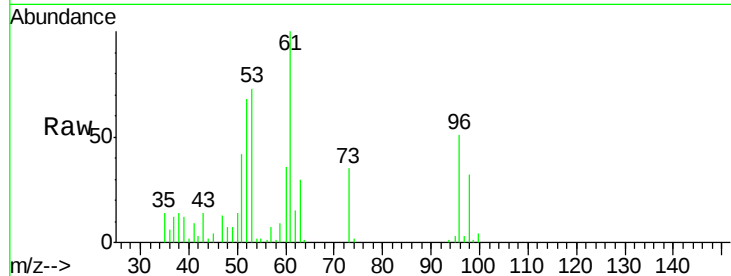
ClientSampleId :

A0C17-SSIMS

Tot Ion:	53	Resp:	166001
Ion	Ratio	Lower	Upper
53	100		
52	93.1	75.4	113.2
51	57.2	42.5	63.7

Manual Integrations
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#16

Acetone

Concen: 390.313 ug/l

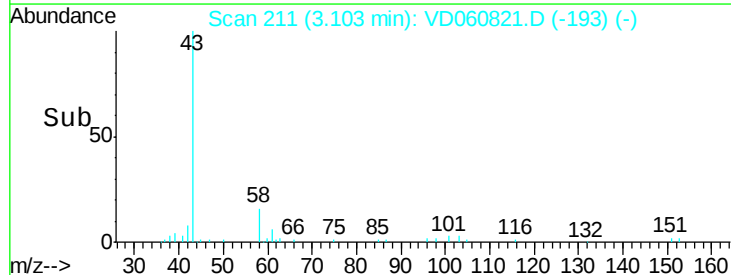
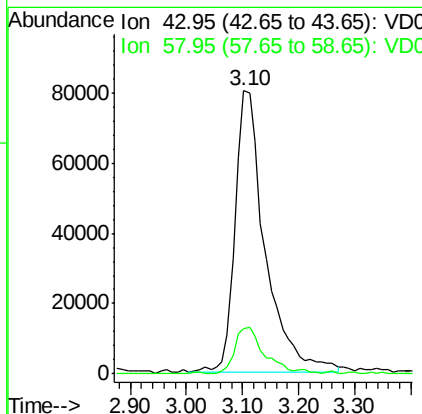
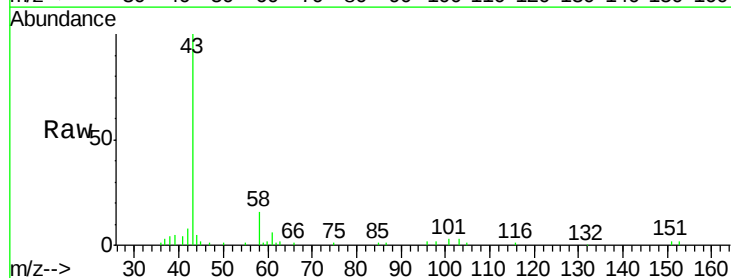
RT: 3.10 min Scan# 211

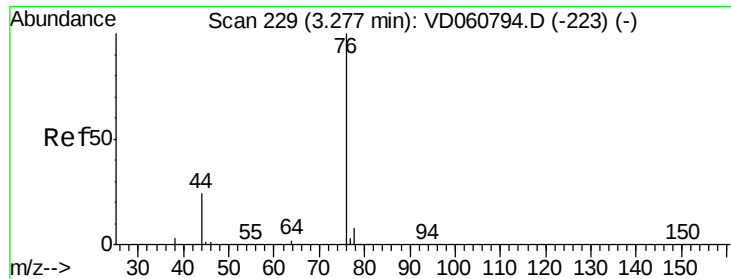
Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Tgt Ion:	43	Resp:	298108
Ion	Ratio	Lower	Upper
43	100		
58	15.9	14.5	21.7





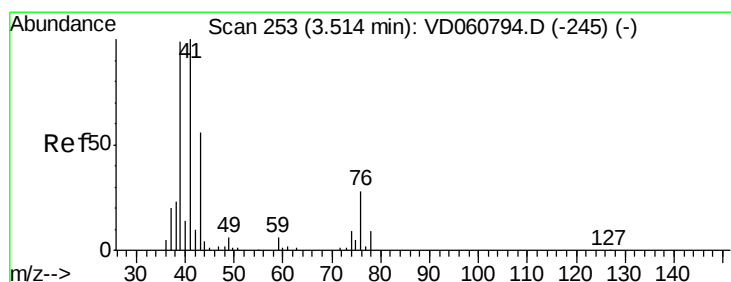
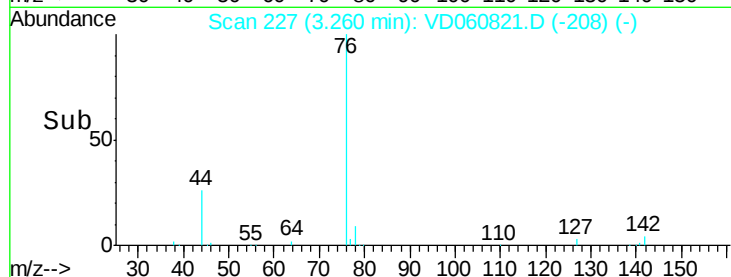
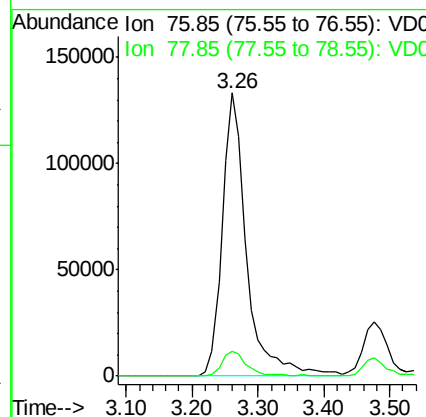
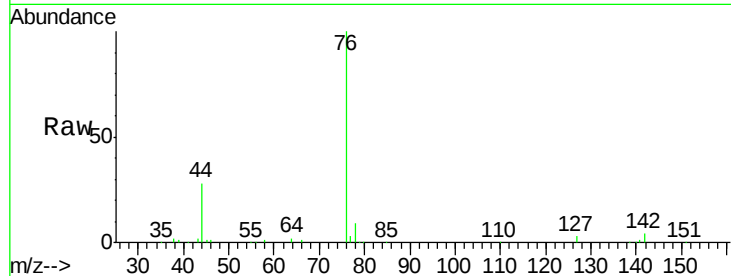
#17
Carbon Disulfide
Concen: 53.235 ug/l
RT: 3.26 min Scan# 227
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.5	9.7

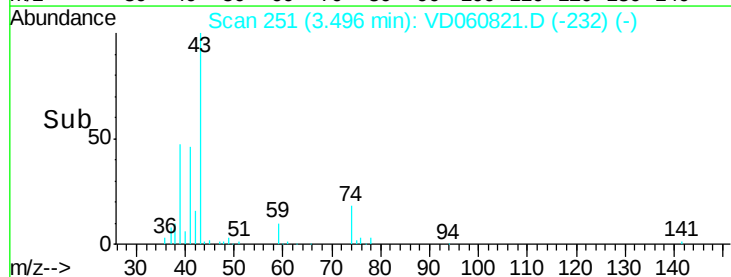
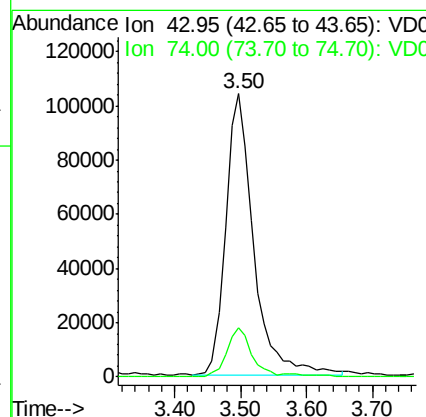
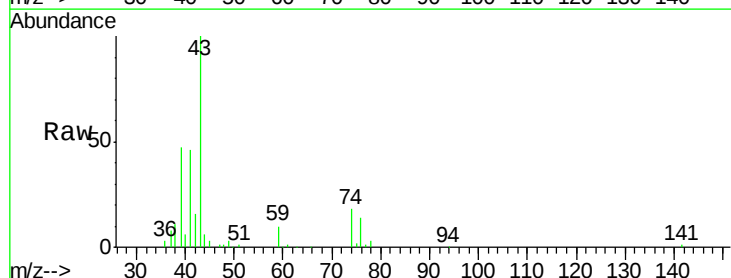
Manual Integrations
APPROVED

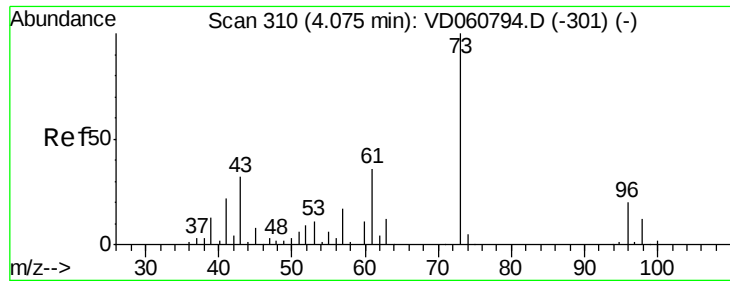
MMDadoda
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#18
Methyl Acetate
Concen: 202.710 ug/l
RT: 3.50 min Scan# 251
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.5	12.5	18.7





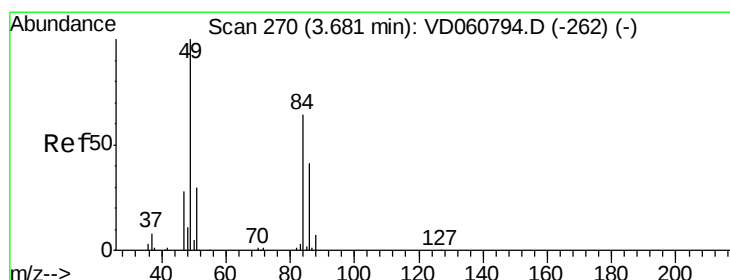
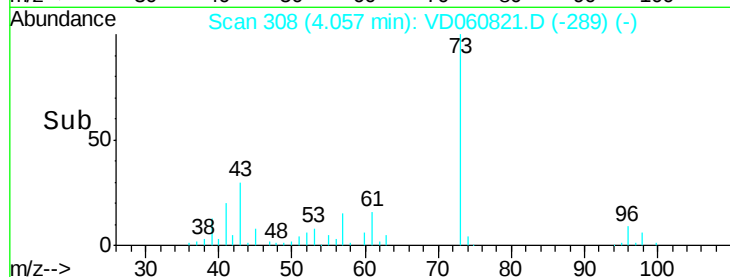
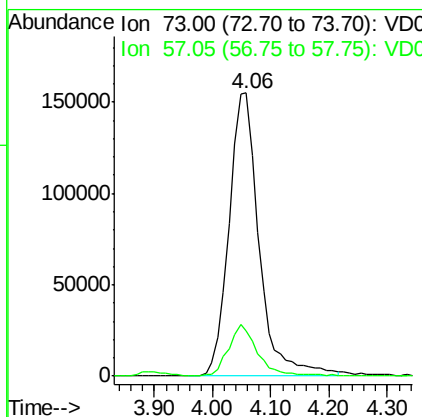
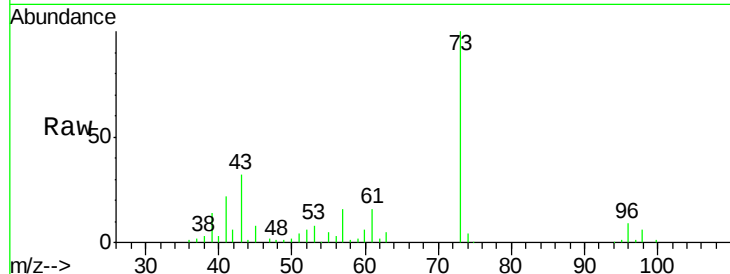
#19
Methvl tert-butvl Ether
Concen: 67.156 ug/l
RT: 4.06 min Scan# 308
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion: 73 Resp: 557062
Ion Ratio Lower Upper
73 100
57 15.9 14.0 21.0

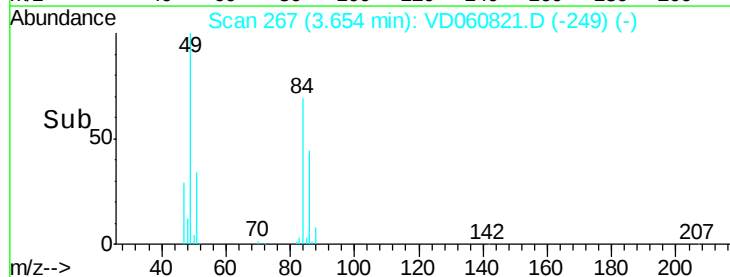
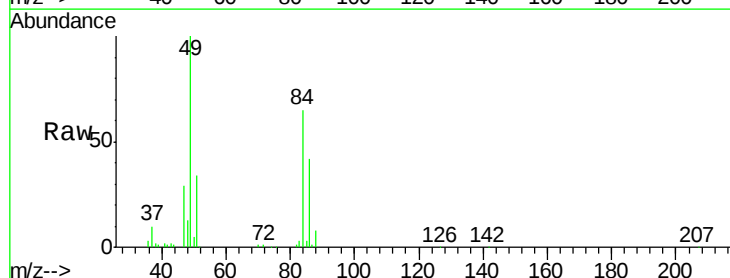
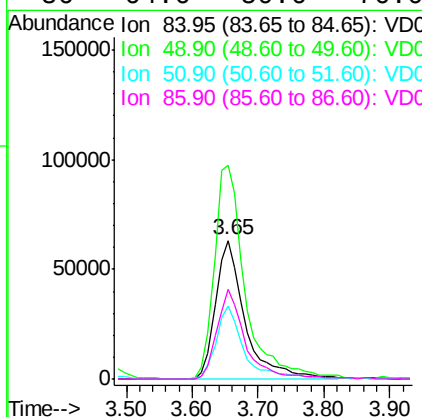
Manual Integrations
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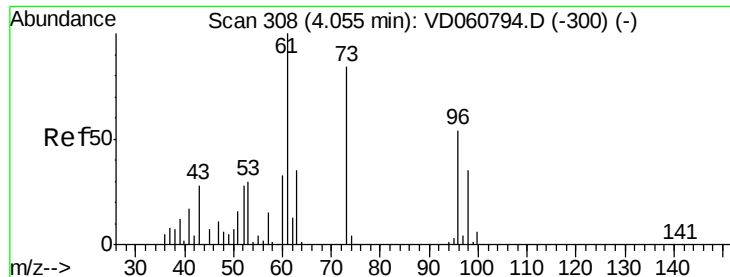
MMDadoda
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#20
Methylene Chloride
Concen: 59.050 ug/l
RT: 3.65 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion: 84 Resp: 195480
Ion Ratio Lower Upper
84 100
49 154.4 124.2 186.2
51 52.4 38.1 57.1
86 64.6 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 48.441 ug/l

RT: 4.03 min Scan# 305

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

Tot Ion: 96 Resp: 155155

Ion Ratio Lower Upper

96 100

61 193.7 147.4 221.2

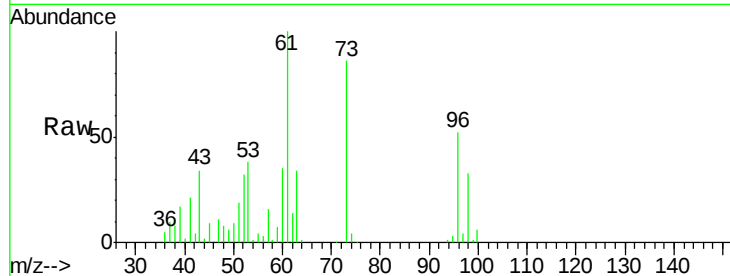
98 63.7 51.5 77.3

Manual Integrations

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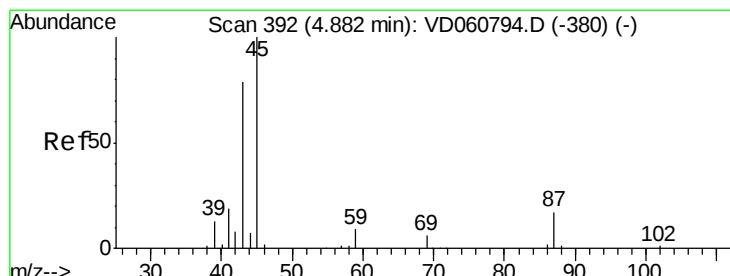
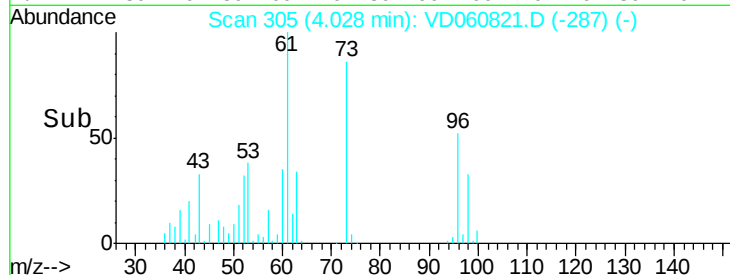
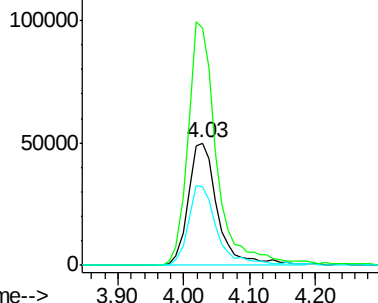
2/4/2019 4:42:59 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 61.378 ug/l

RT: 4.85 min Scan# 389

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Tgt Ion: 45 Resp: 668759

Ion Ratio Lower Upper

45 100

43 57.7 64.3 96.5#

87 19.2 14.3 21.5

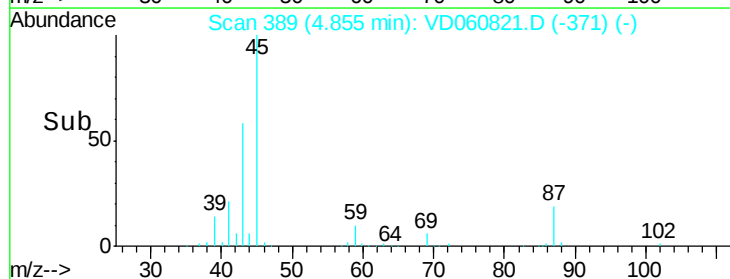
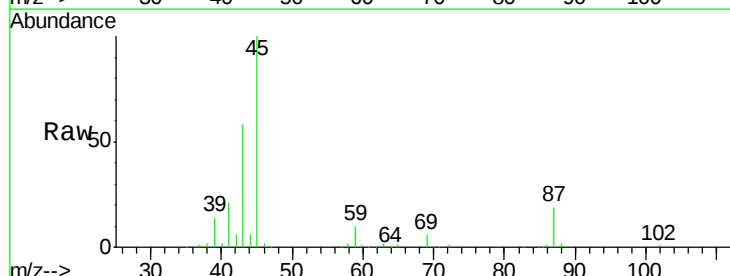
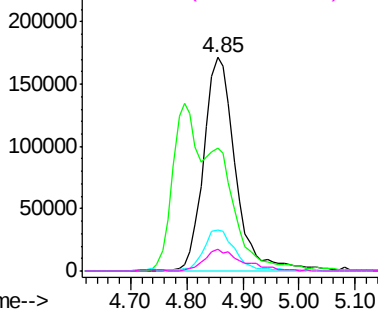
59 10.2 7.8 11.8

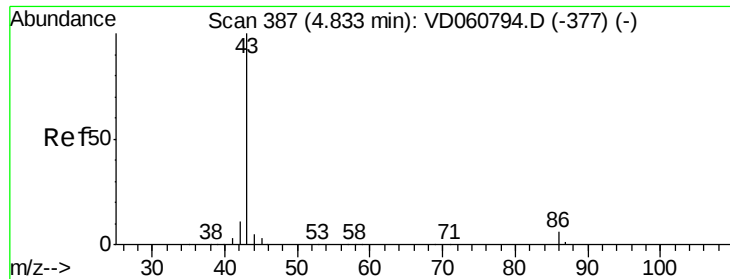
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 67.959 ug/l

RT: 4.80 min Scan# 383

Delta R.T. -0.04 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

Tot Ion: 43 Resp: 426416

Ion Ratio Lower Upper

43 100

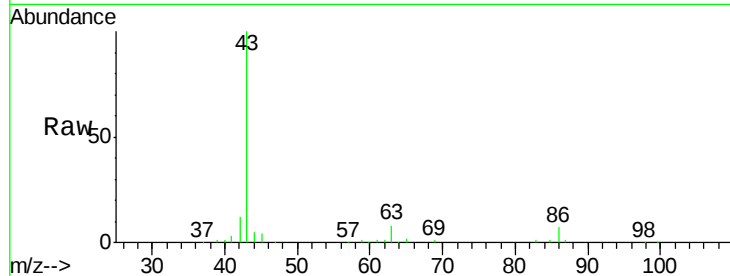
86 6.6 4.7 7.1

Manual Integrations

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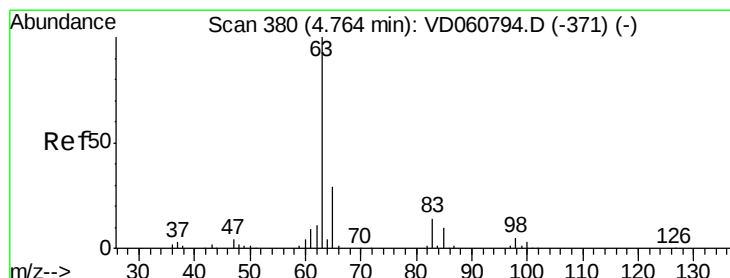
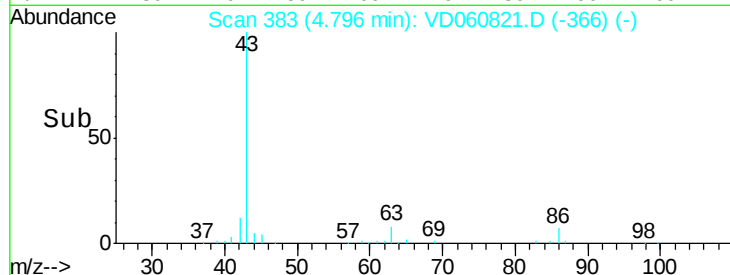
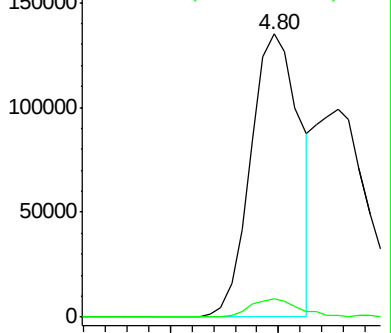
MMDadoda

2/4/2019 4:42:59 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 59.141 ug/l

RT: 4.74 min Scan# 377

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

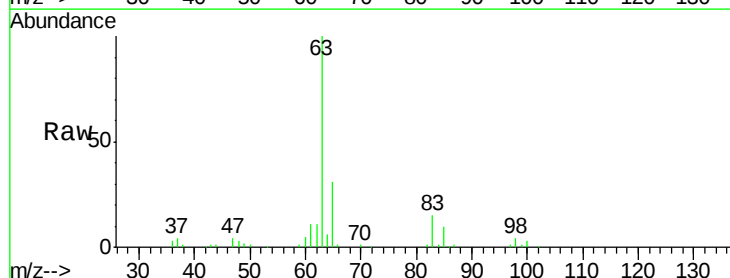
Tgt Ion: 63 Resp: 421847

Ion Ratio Lower Upper

63 100

98 3.7 2.3 6.9

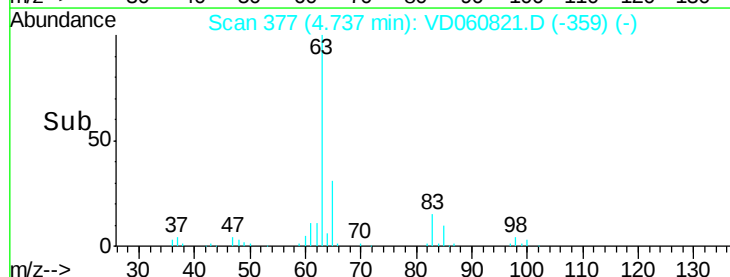
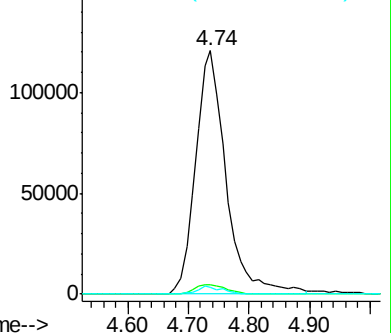
100 2.8 1.3 3.8

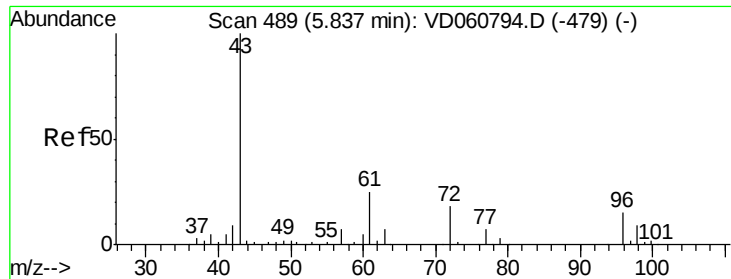


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 341.013 ug/l

RT: 5.80 min Scan# 485

Delta R.T. -0.04 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

Tot Ion: 43 Resp: 333369

Ion Ratio Lower Upper

43 100

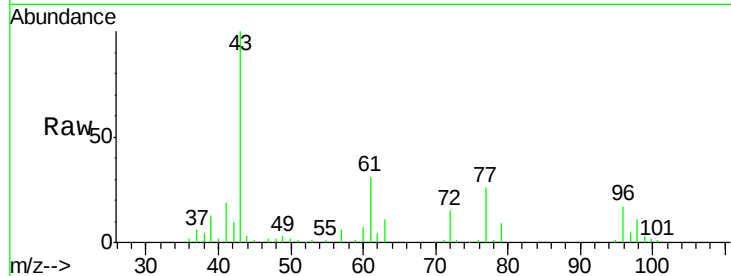
72 14.6 14.4 21.6

Manual Integrations

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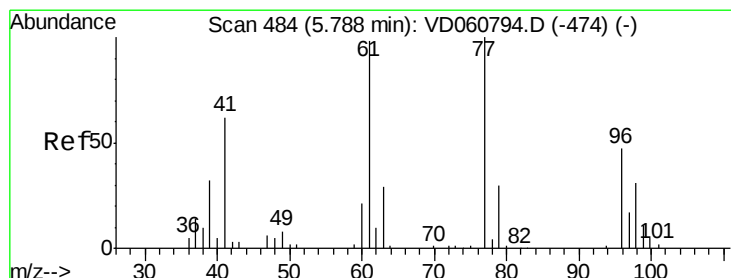
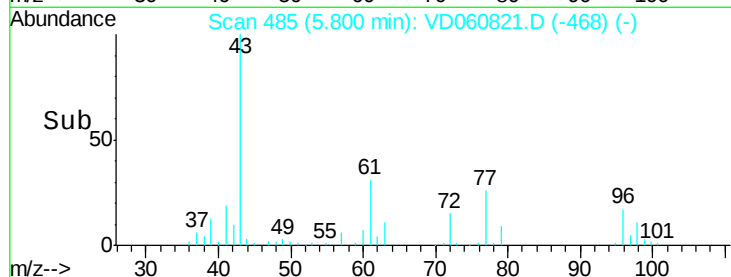
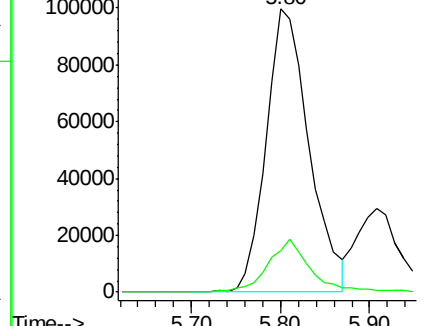
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 59.731 ug/l

RT: 5.75 min Scan# 480

Delta R.T. -0.04 min

Lab File: VD060821.D

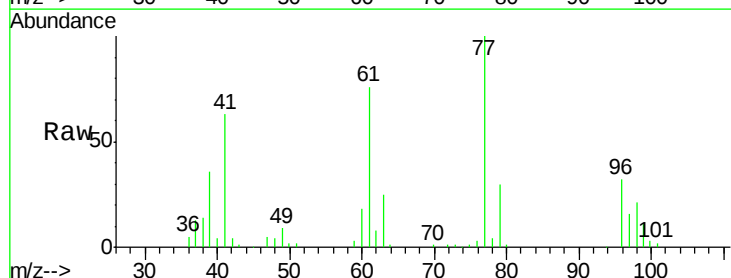
Acq: 1 Feb 2019 16:07

Tgt Ion: 77 Resp: 448918

Ion Ratio Lower Upper

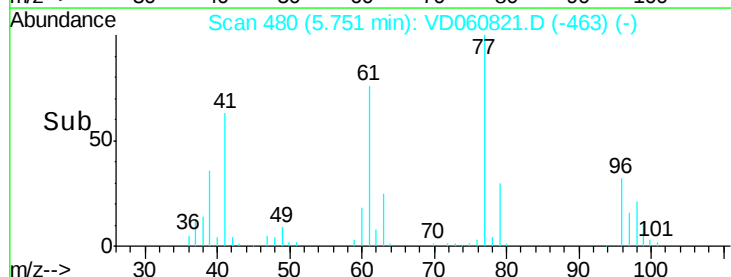
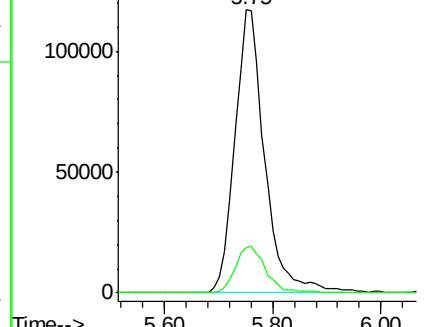
77 100

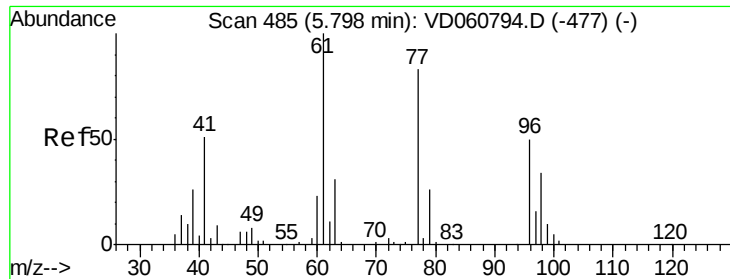
97 15.8 8.3 24.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





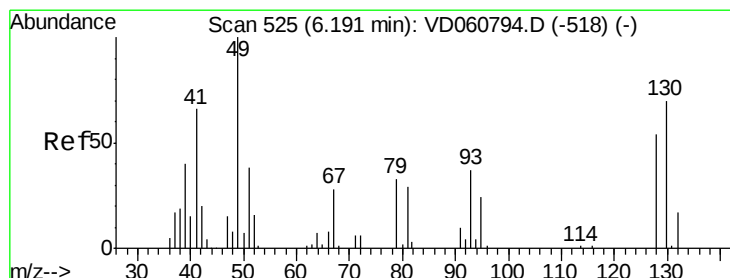
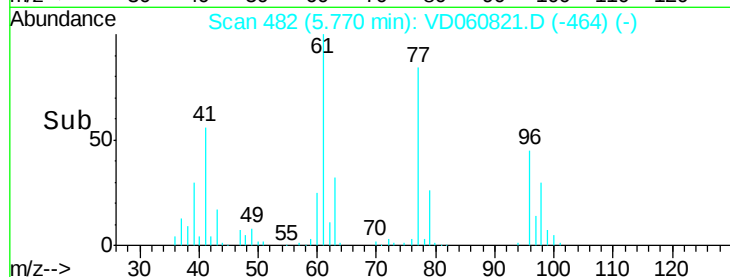
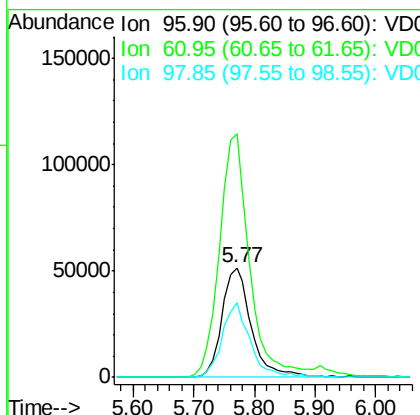
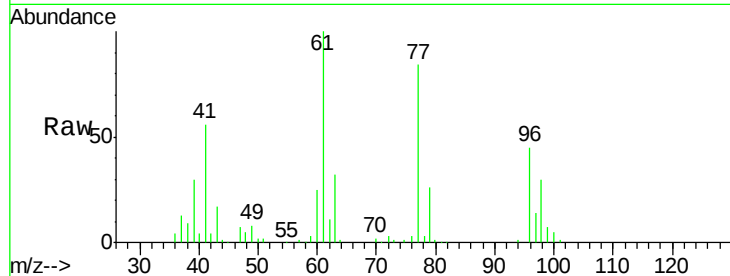
#27
 cis-1,2-Dichloroethene
 Concen: 47.849 ug/l
 RT: 5.77 min Scan# 482
 Delta R.T. -0.03 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	174553		
61	222.0	0.0	400.0	
98	67.7	0.0	136.4	

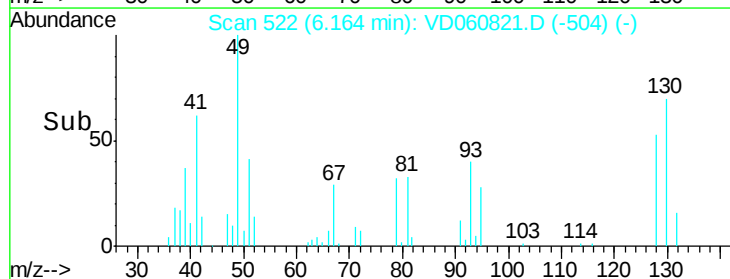
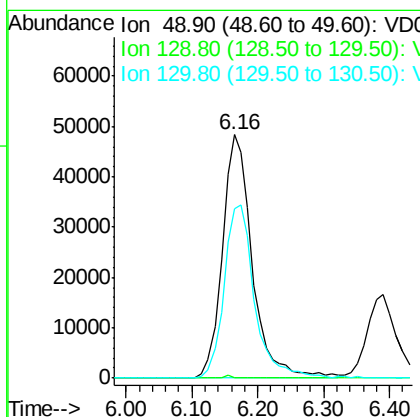
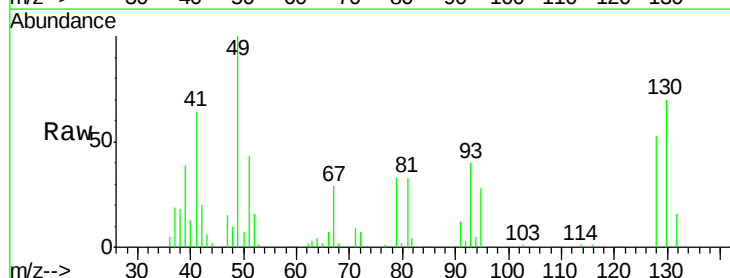
Manual Integrations
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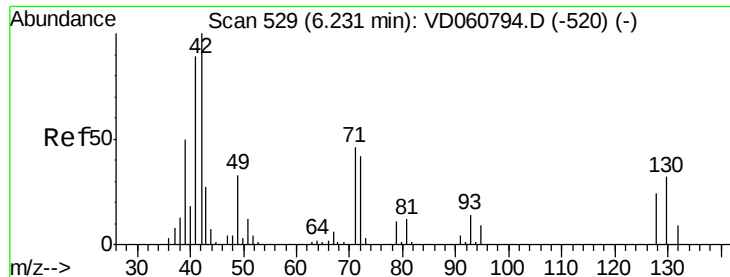
MMDadoda
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#28
 Bromochloromethane
 Concen: 54.956 ug/l
 RT: 6.16 min Scan# 522
 Delta R.T. -0.03 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	152917		
129	0.0	0.0	0.0	
130	69.5	56.1	84.1	





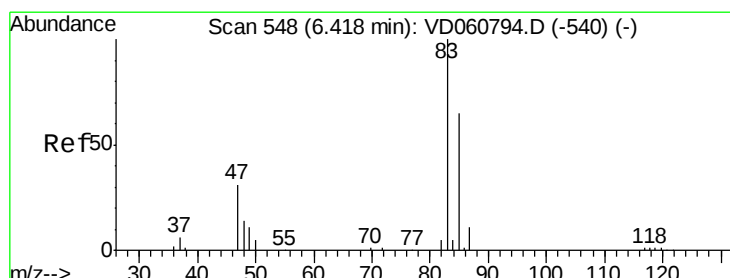
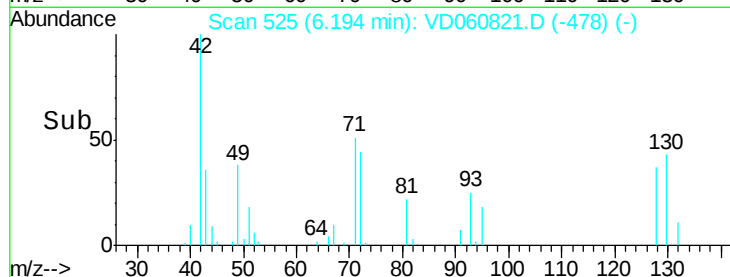
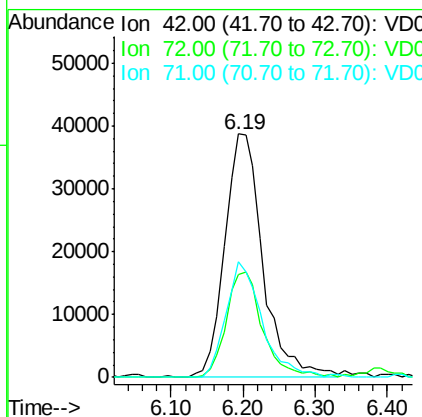
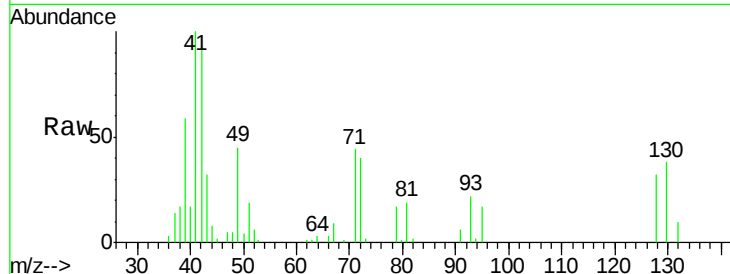
#29
Tetrahydrofuran
Concen: 302.428 ug/l
RT: 6.19 min Scan# 525
Delta R.T. -0.04 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	32.8	49.2
71	44.6	34.6	52.0

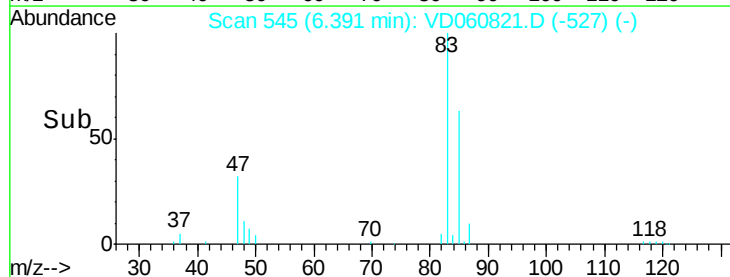
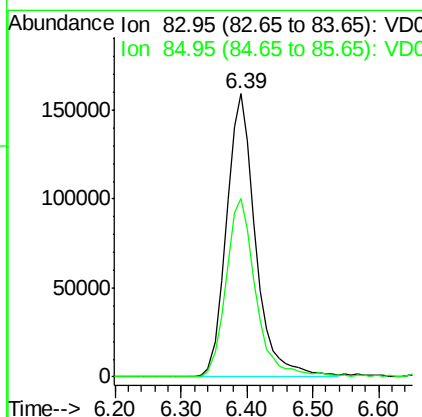
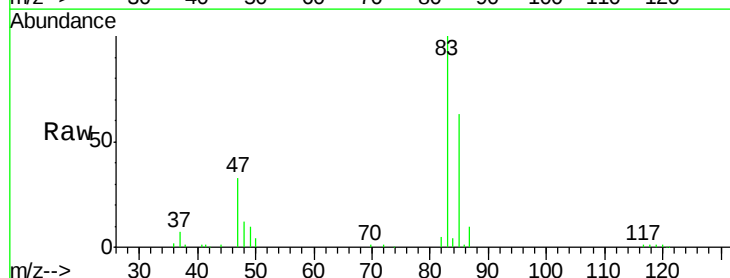
Manual Integrations
APPROVED

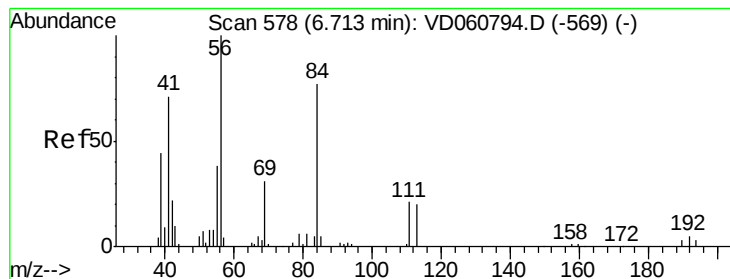
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#30
Chloroform
Concen: 58.266 ug/l
RT: 6.39 min Scan# 545
Delta R.T. -0.03 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.3	78.5





#31

Cyclohexane

Concen: 37.581 ug/l

RT: 6.69 min Scan# 575

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

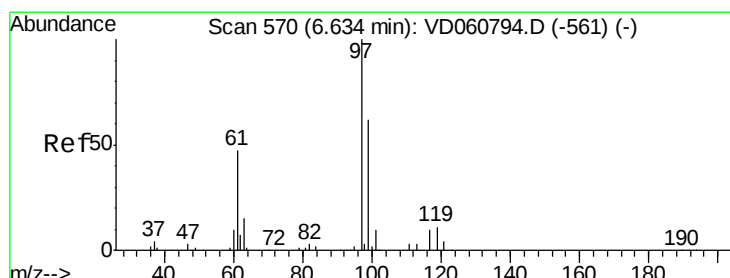
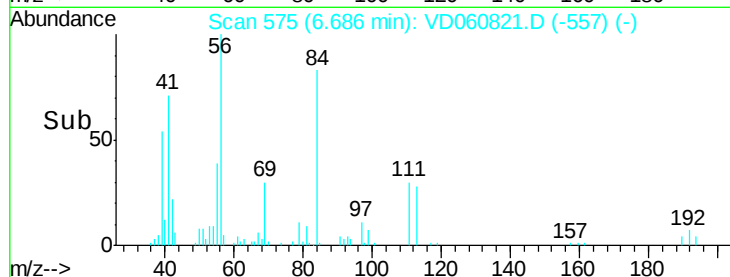
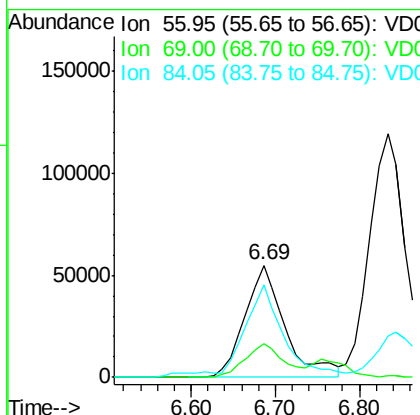
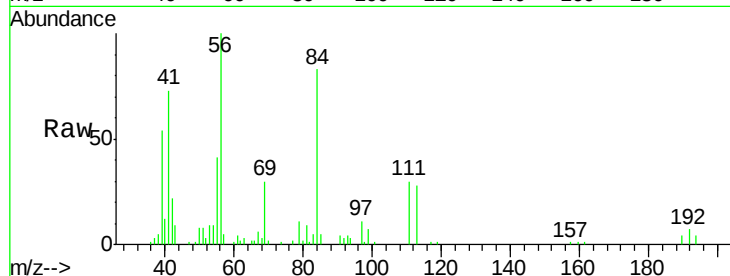
ClientSampleId :

A0C17-SSIMS

Tot Ion:	56	Resp:	182384
Ion	Ratio	Lower	Upper
56	100		
69	30.0	25.1	37.7
84	82.9	63.9	95.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 57.795 ug/l

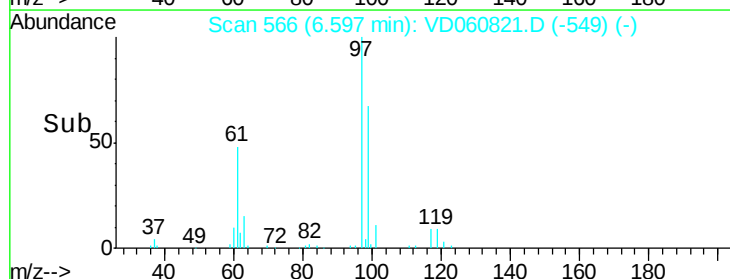
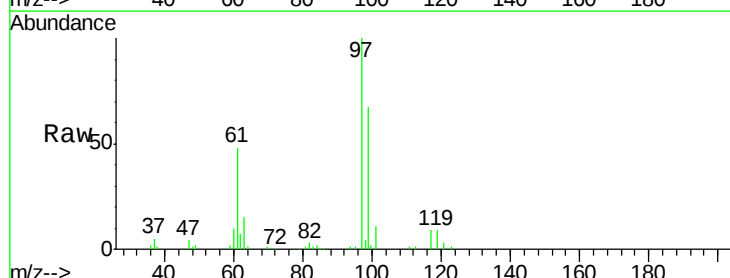
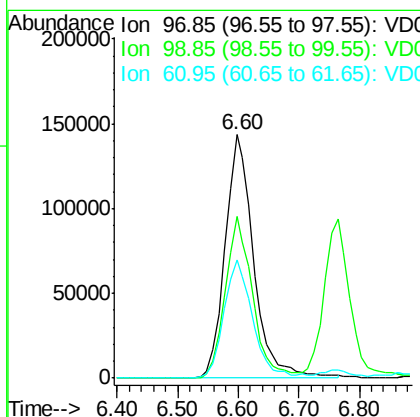
RT: 6.60 min Scan# 566

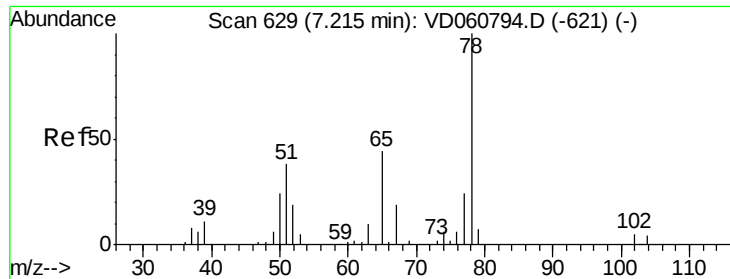
Delta R.T. -0.04 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Tgt Ion:	97	Resp:	469217
Ion	Ratio	Lower	Upper
97	100		
99	66.6	49.6	74.4
61	48.5	37.4	56.2





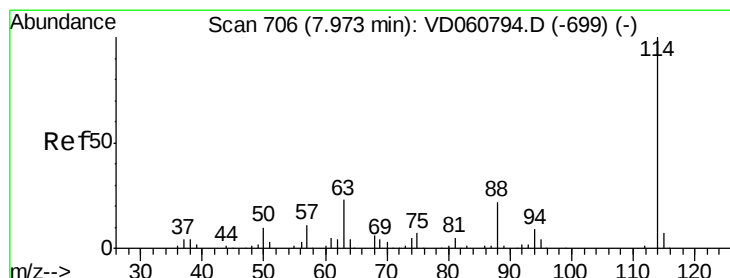
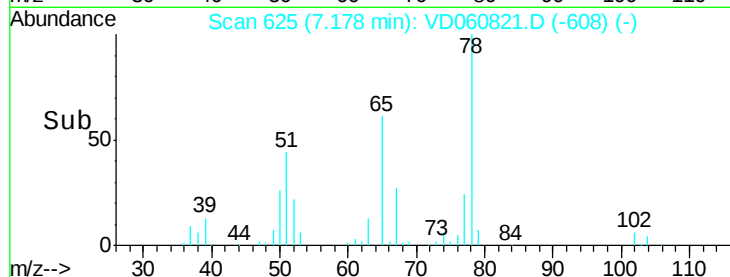
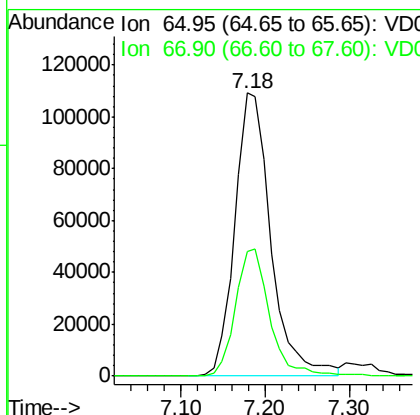
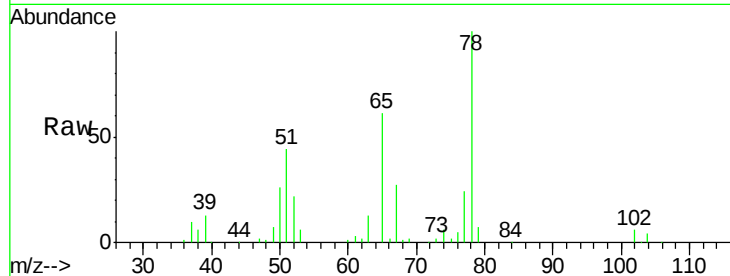
#33
 1,2-Dichloroethane-d4
 Concen: 57.795 ug/l
 RT: 7.18 min Scan# 625
 Delta R.T. -0.04 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMS

Tot Ion: 65 Resp: 325720
 Ion Ratio Lower Upper
 65 100
 67 44.2 0.0 85.8

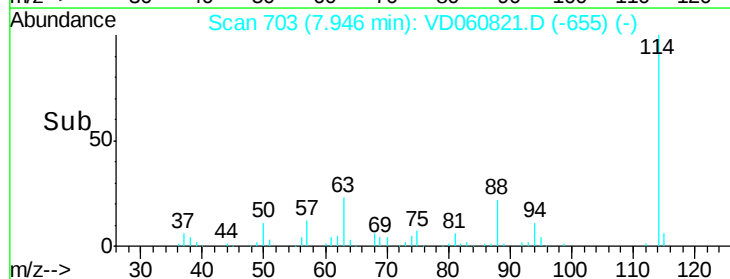
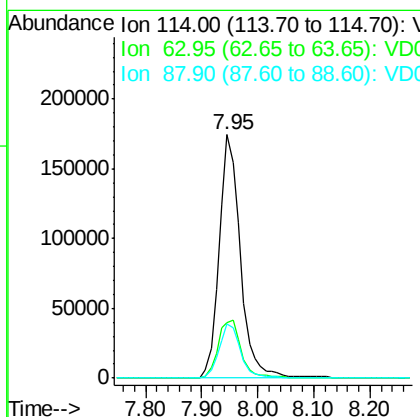
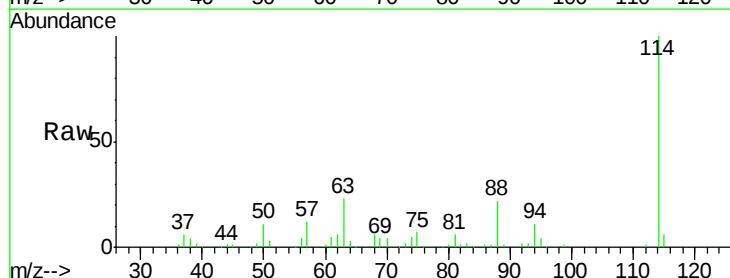
Manual Integrations
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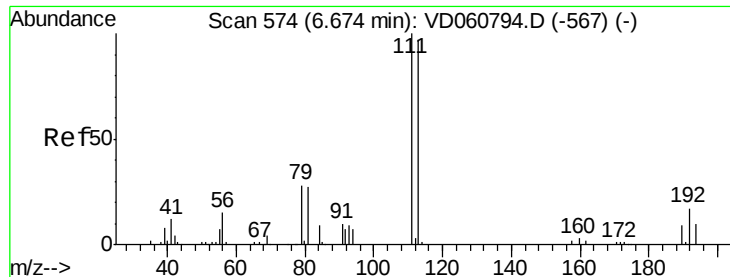
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 703
 Delta R.T. -0.03 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Tgt Ion: 114 Resp: 462591
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 46.6
 88 22.4 0.0 44.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.65 min Scan# 571

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

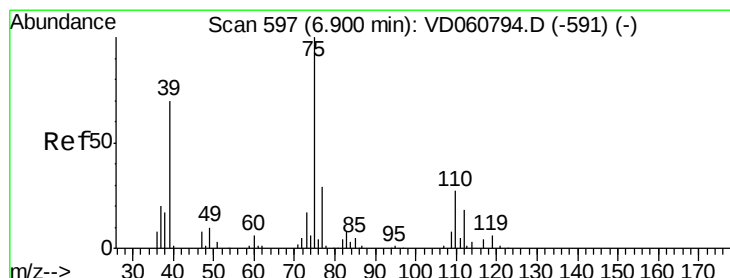
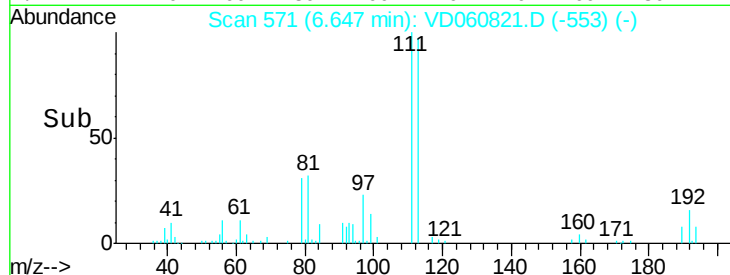
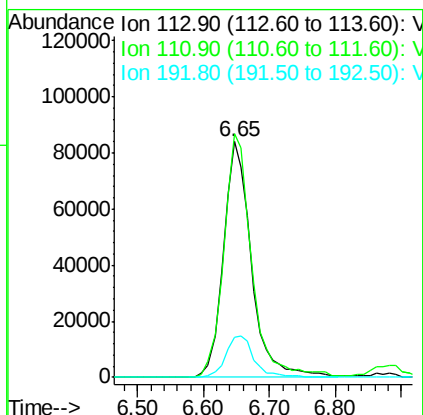
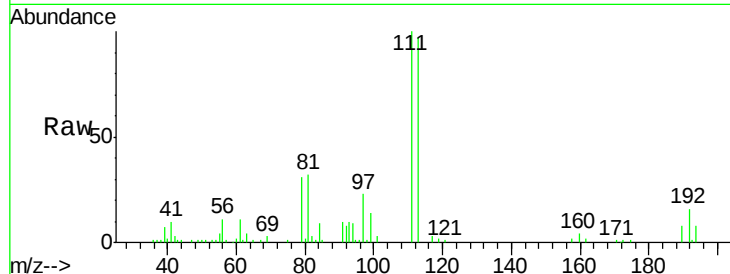
ClientSampleId :

A0C17-SSIMS

Tot Ion:	113	Resp:	249786
Ion Ratio	Lower	Upper	
113	100		
111	103.3	82.3	123.5
192	16.8	14.4	21.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.800 ug/l

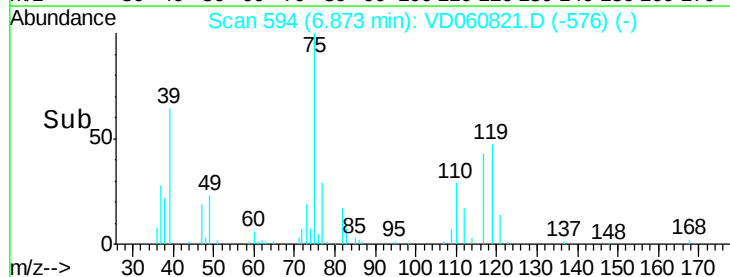
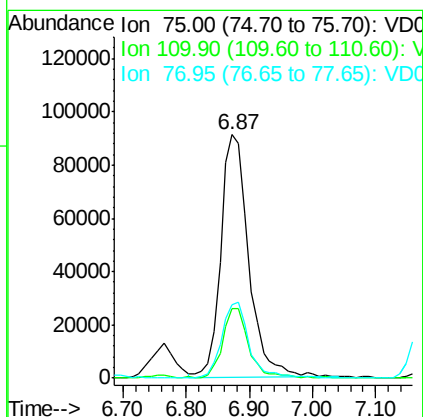
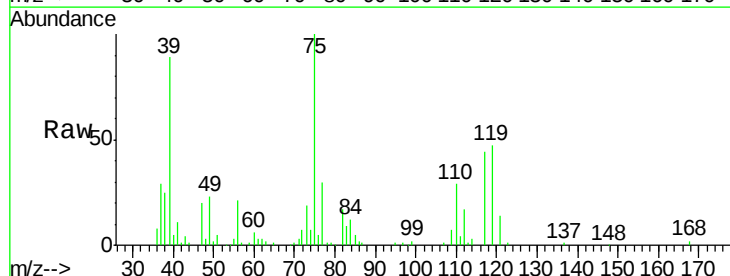
RT: 6.87 min Scan# 594

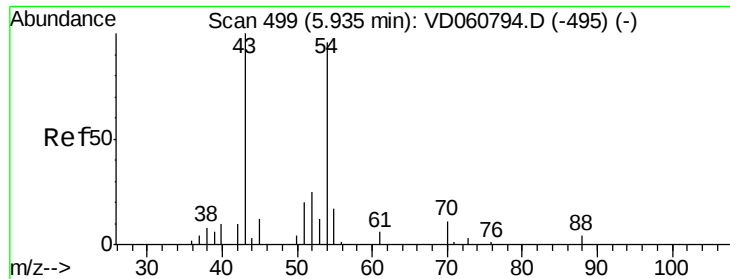
Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Tgt Ion:	75	Resp:	280581
Ion Ratio	Lower	Upper	
75	100		
110	28.8	13.5	40.4
77	30.1	23.4	35.2





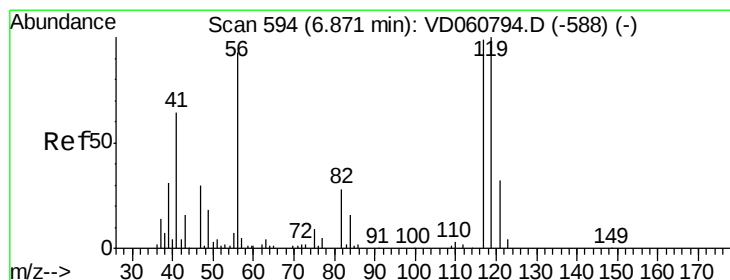
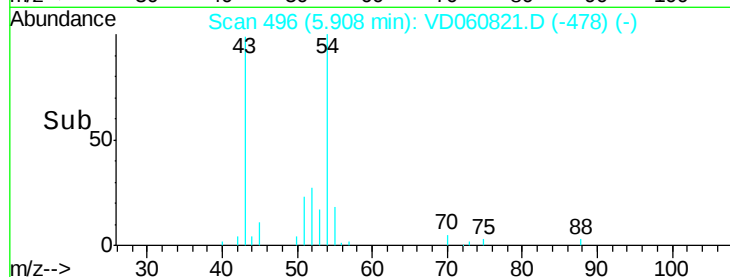
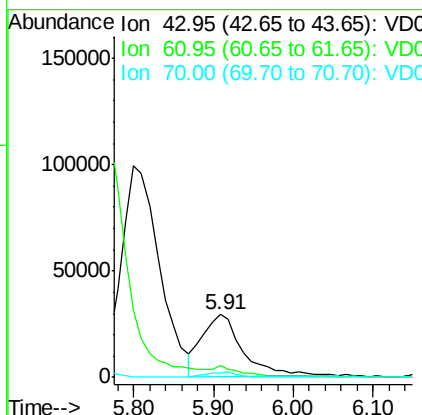
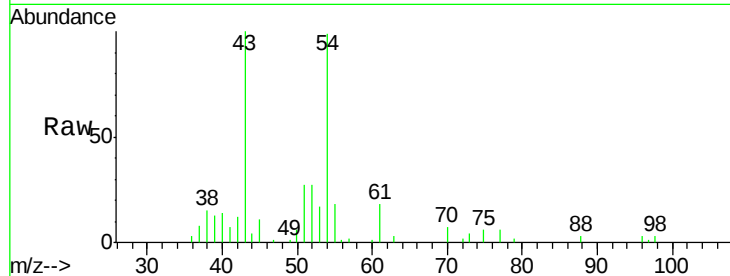
#37
Ethyl Acetate
Concen: 41.819 ug/l
RT: 5.91 min Scan# 496
Delta R.T. -0.03 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	12.3	18.5
70	7.2	7.4	11.0

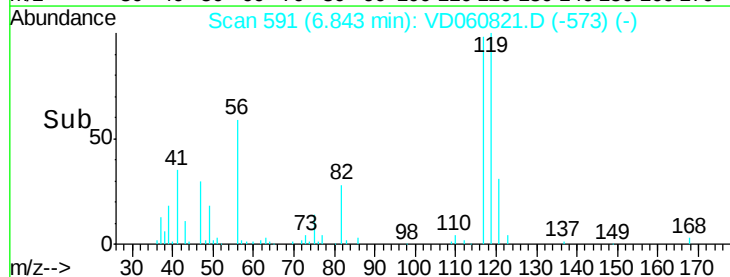
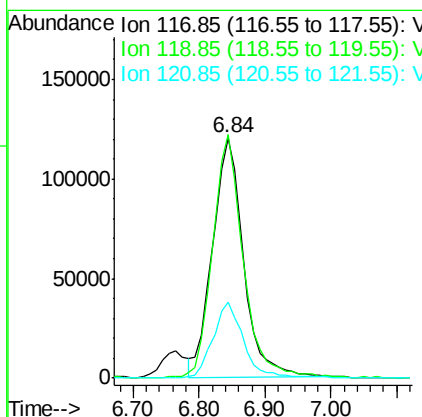
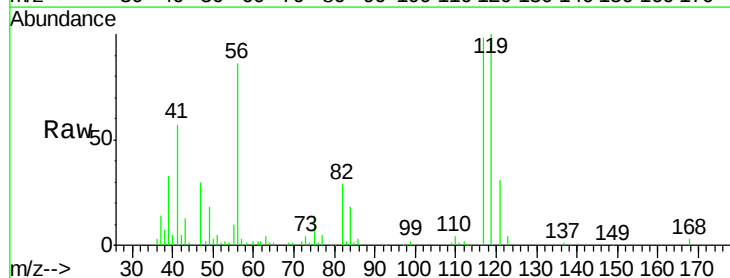
Manual Integrations
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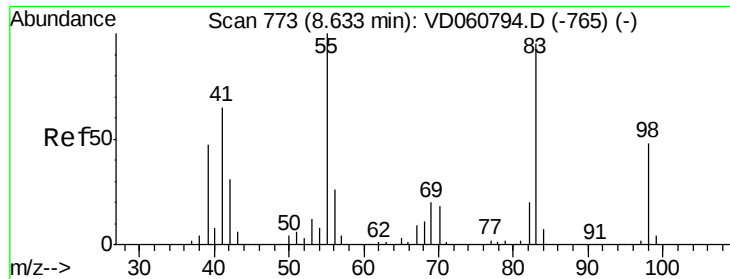
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#38
Carbon Tetrachloride
Concen: 56.539 ug/l
RT: 6.84 min Scan# 591
Delta R.T. -0.03 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.5	75.6	113.4
121	31.4	23.4	35.2





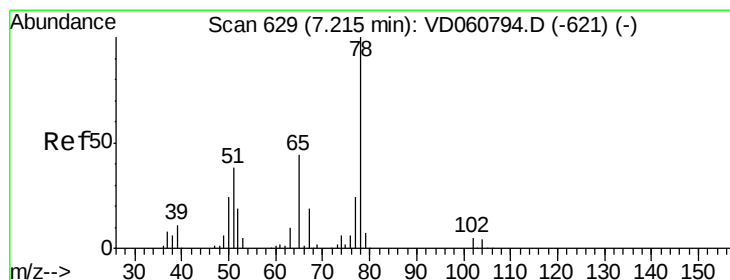
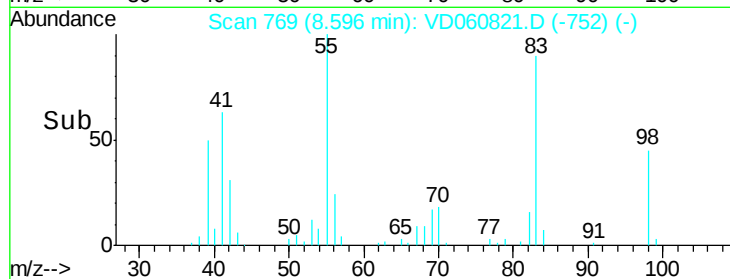
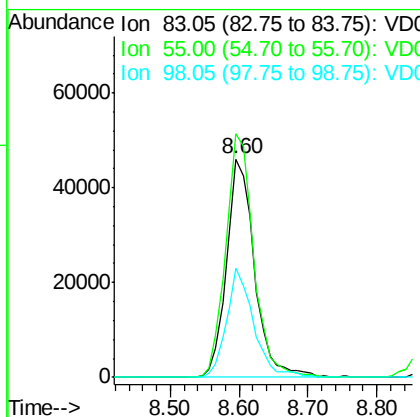
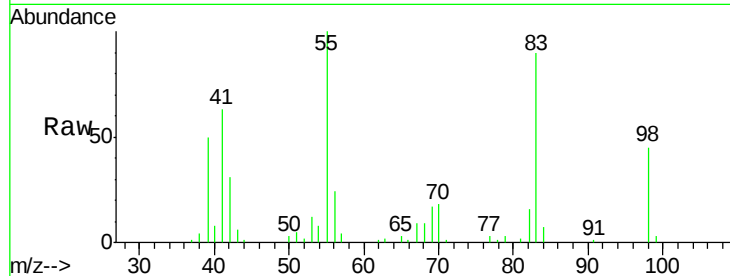
#39
Methvlcvclohexane
Concen: 27.991 ug/l
RT: 8.60 min Scan# 769
Delta R.T. -0.04 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion	83	Resp	129470
Ion Ratio	Lower	Upper	
83	100		
55	111.7	83.8	125.8
98	49.8	39.8	59.8

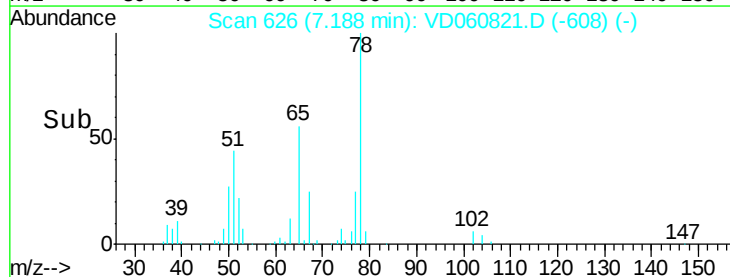
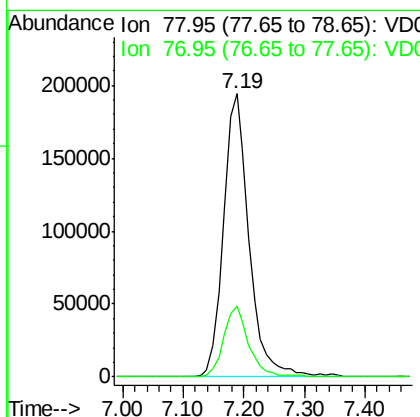
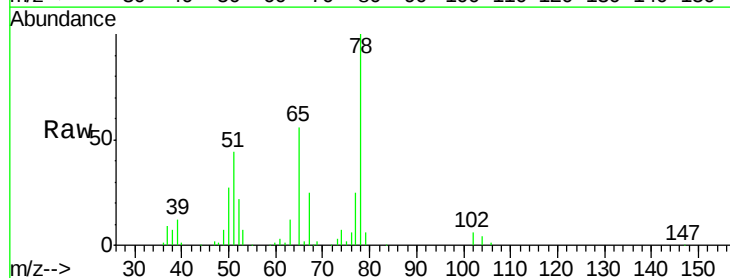
Manual Integrations
APPROVED

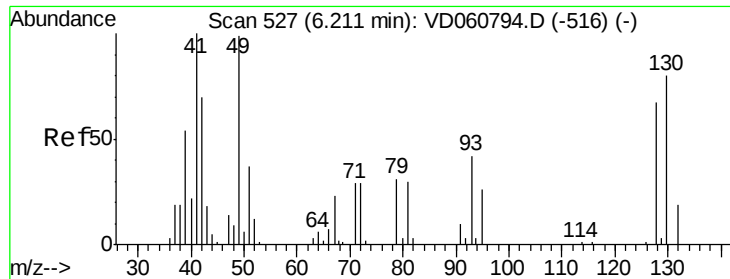
MMDadoda
2/4/2019 4:42:59 PM



#40
Benzene
Concen: 52.125 ug/l
RT: 7.19 min Scan# 626
Delta R.T. -0.03 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion	78	Resp	568216
Ion Ratio	Lower	Upper	
78	100		
77	24.9	18.9	28.3





#41

Methacrylonitrile

Concen: 62.499 ug/l m

RT: 6.18 min Scan# 524

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

Tot Ion: 41 Resp: 97861

Ion Ratio Lower Upper

41 100

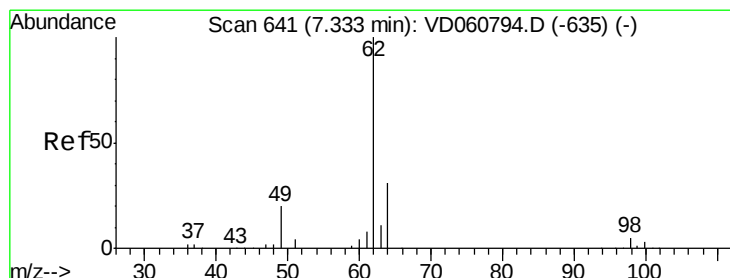
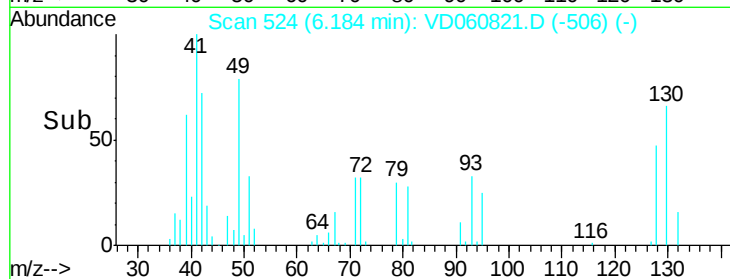
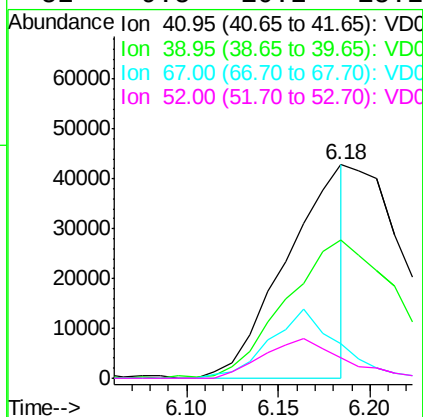
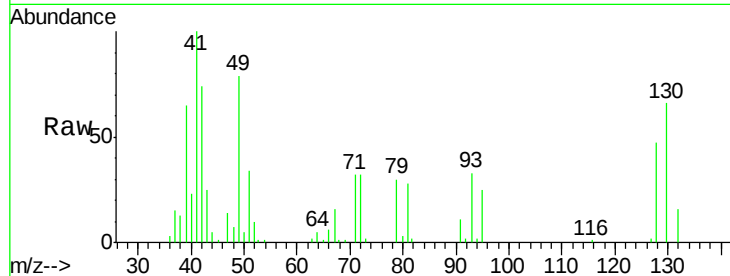
39 64.8 43.6 65.4

67 15.9 18.5 27.7#

52 9.5 10.2 15.2#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 66.810 ug/l

RT: 7.31 min Scan# 638

Delta R.T. -0.03 min

Lab File: VD060821.D

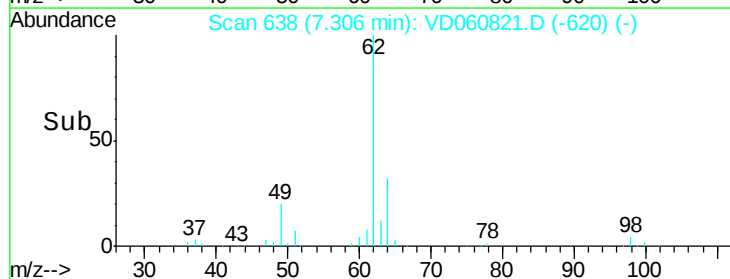
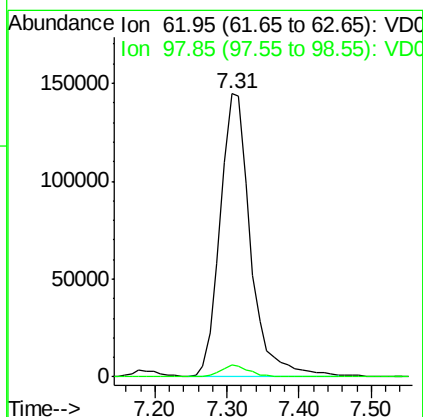
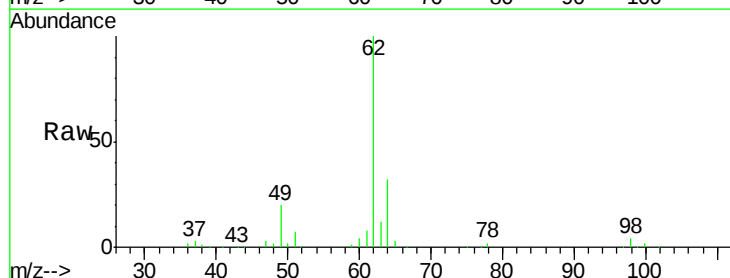
Acq: 1 Feb 2019 16:07

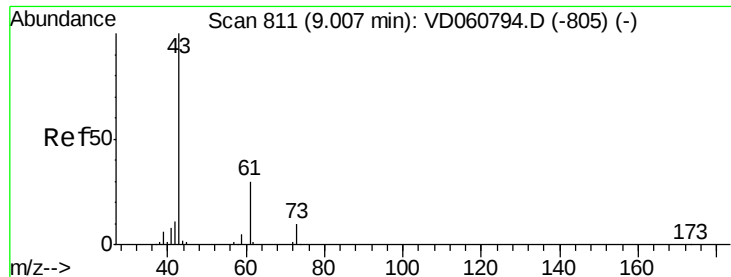
Tgt Ion: 62 Resp: 423093

Ion Ratio Lower Upper

62 100

98 4.0 0.0 10.2





#43

Isopropyl Acetate

Concen: 36.726 ug/l

RT: 8.98 min Scan# 808

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

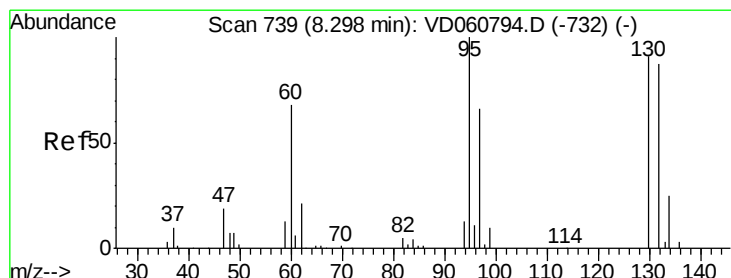
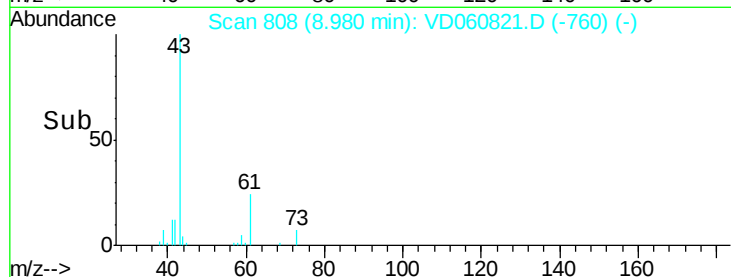
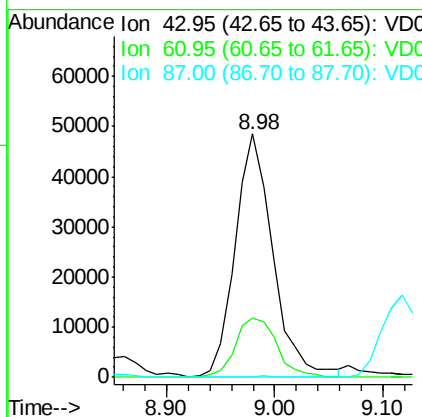
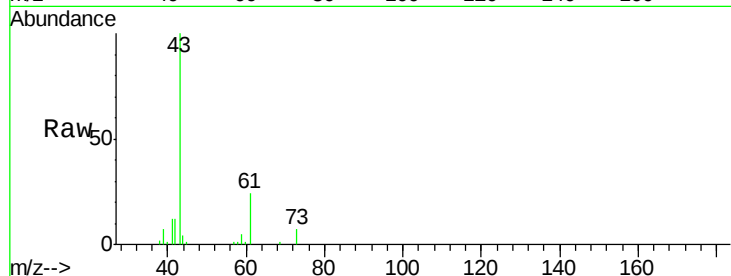
ClientSampleId :

A0C17-SSIMS

Tot Ion:	43	Resp:	118100
Ion	Ratio	Lower	Upper
43	100		
61	24.4	24.1	36.1
87	0.0	0.0	0.0

Manual Integrations
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#44

Trichloroethene

Concen: 52.632 ug/l

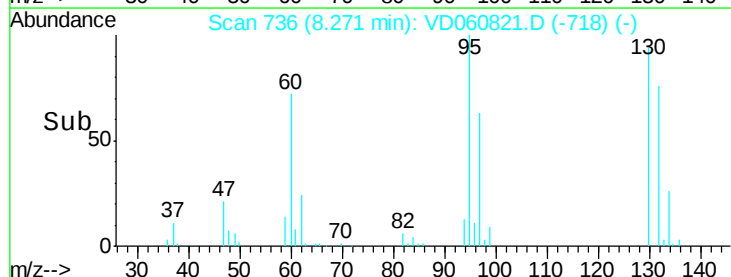
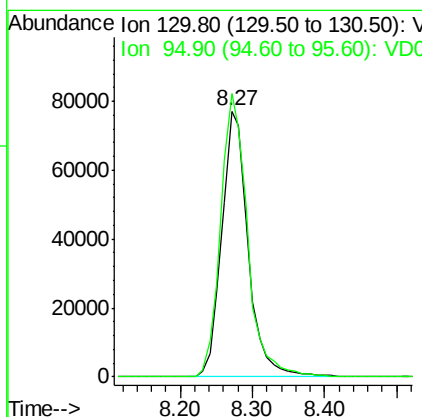
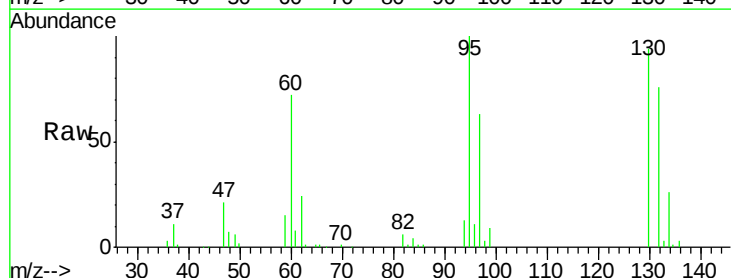
RT: 8.27 min Scan# 736

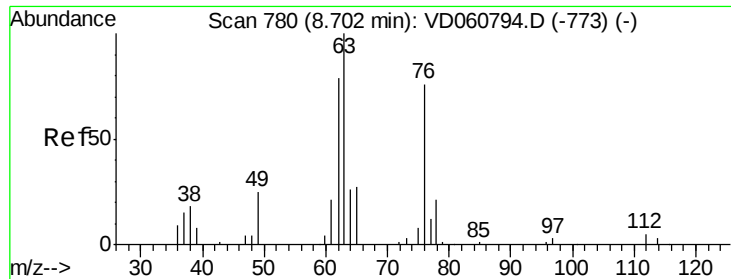
Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Tgt Ion:	130	Resp:	194499
Ion	Ratio	Lower	Upper
130	100		
95	106.6	0.0	221.0





#45

1,2-Dichloropropane

Concen: 49.985 ug/l

RT: 8.67 min Scan# 777

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

Tot Ion: 63 Resp: 147501

Ion Ratio Lower Upper

63 100

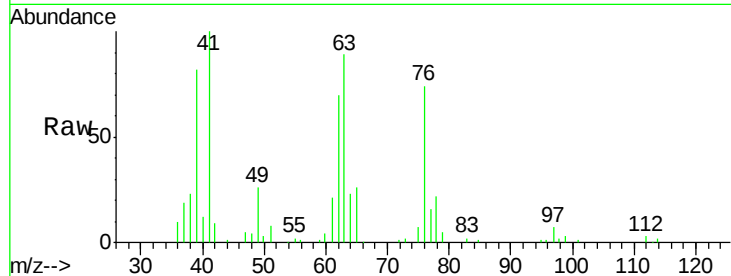
65 29.5 24.1 36.1

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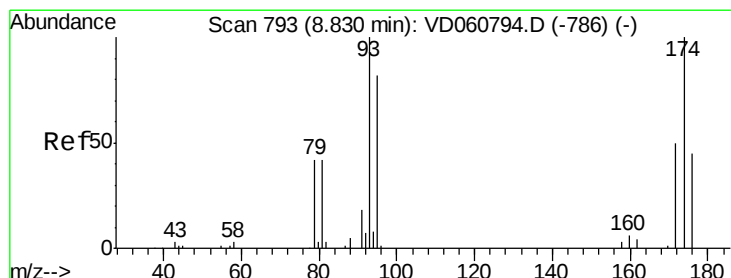
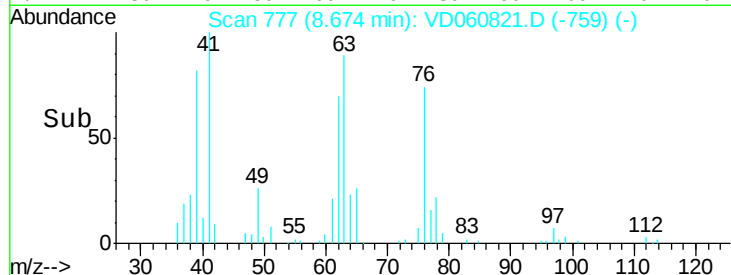
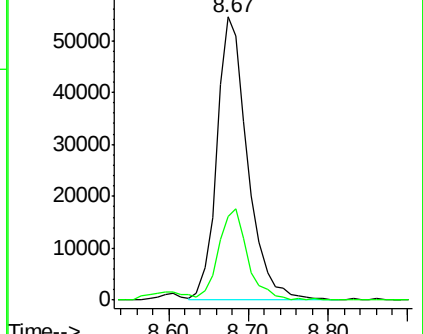
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 64.735 ug/l

RT: 8.80 min Scan# 790

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

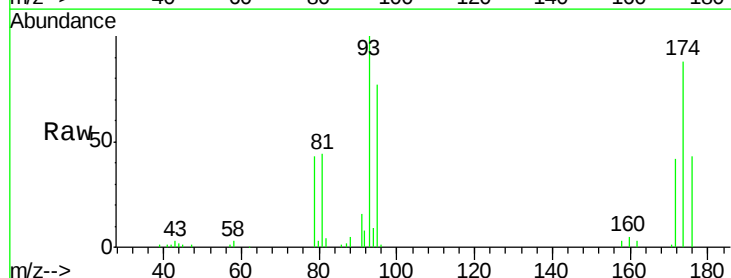
Tgt Ion: 93 Resp: 148294

Ion Ratio Lower Upper

93 100

95 76.5 65.8 98.8

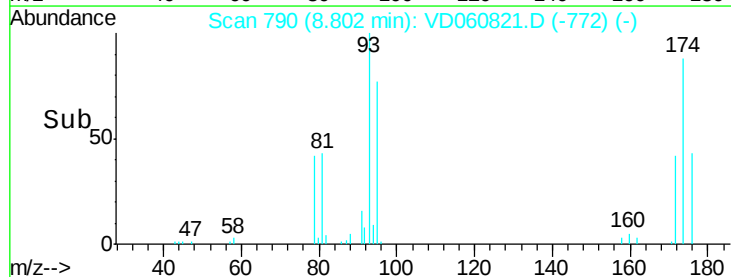
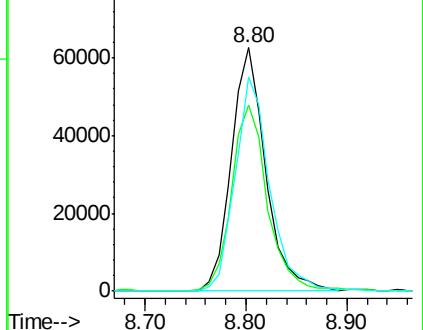
174 87.8 79.8 119.6

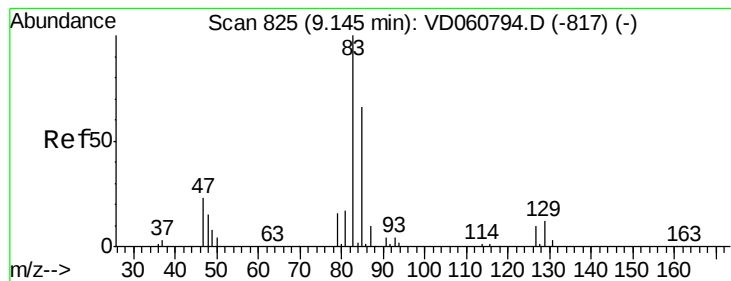


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 61.743 ug/l

RT: 9.12 min Scan# 822

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

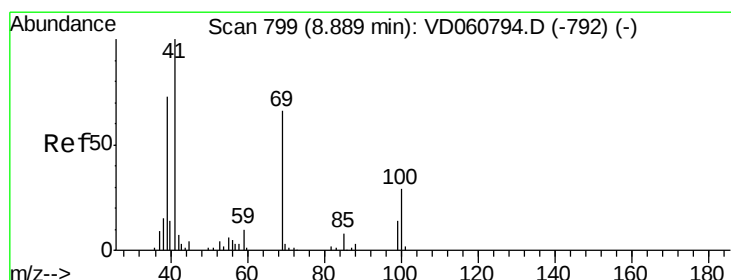
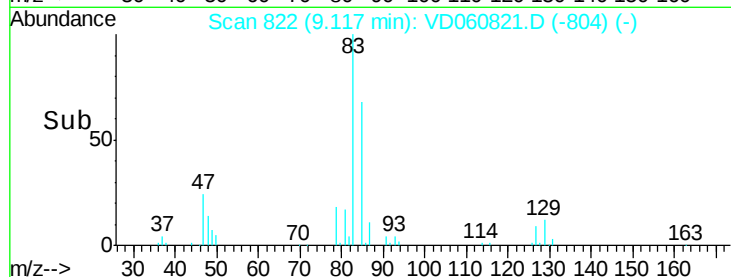
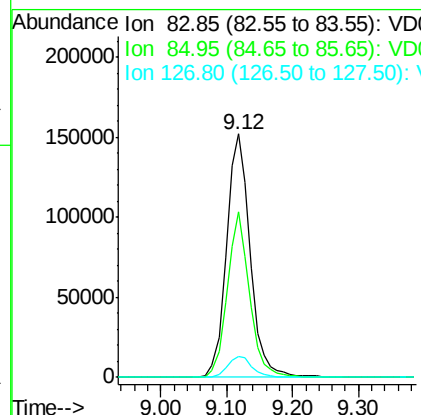
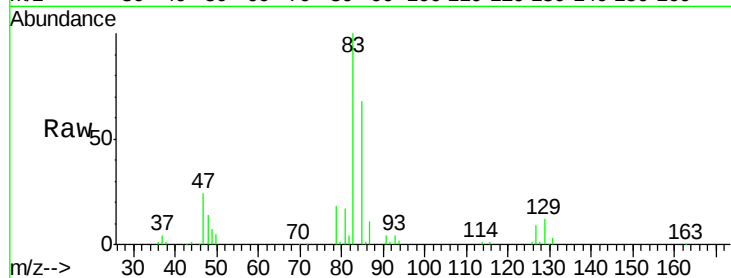
ClientSampleId :

A0C17-SSIMS

Tot Ion:	83	Resp:	381771
Ion Ratio	Lower	Upper	
83	100		
85	67.9	52.6	79.0
127	8.6	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 79.850 ug/l

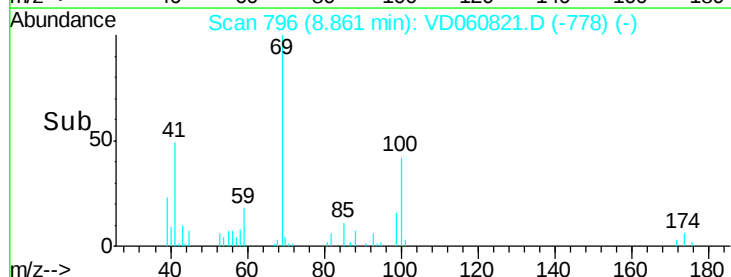
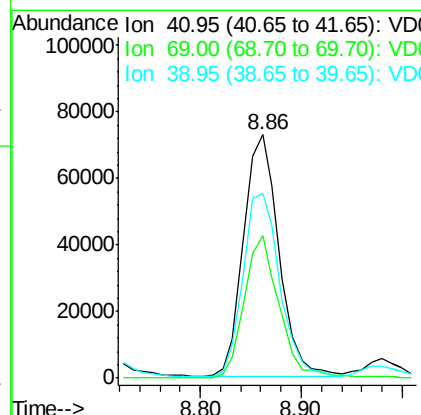
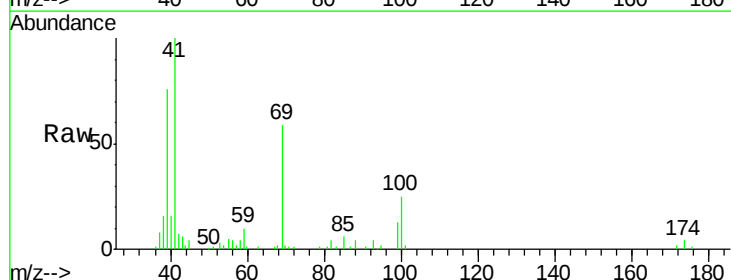
RT: 8.86 min Scan# 796

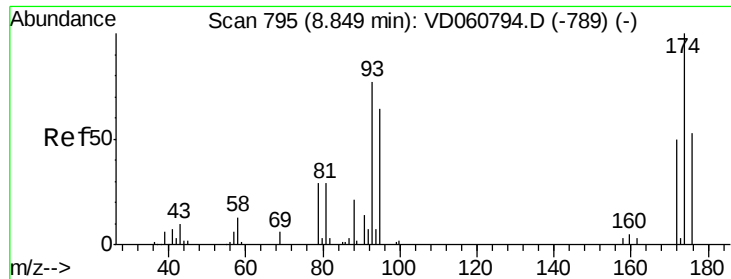
Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Tgt Ion:	41	Resp:	177069
Ion Ratio	Lower	Upper	
41	100		
69	58.6	52.5	78.7
39	76.0	59.0	88.6





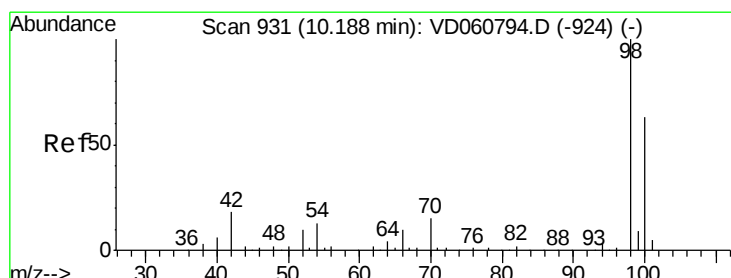
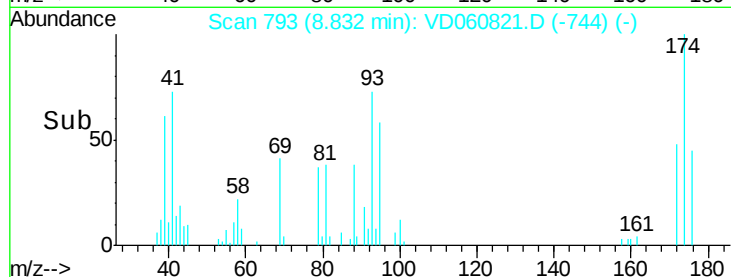
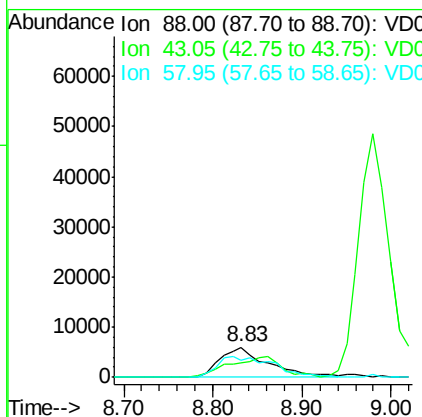
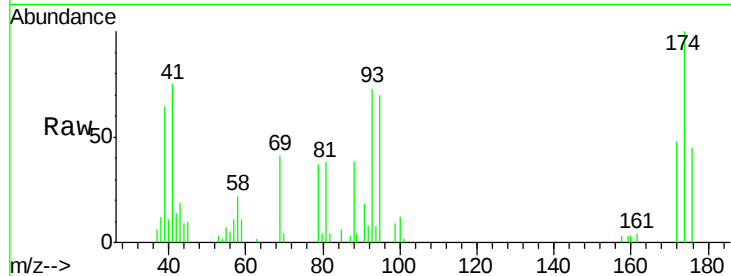
#49
1,4-Dioxane
Concen: 1171.063 ug/l
RT: 8.83 min Scan# 793
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion	Ratio	Lower	Upper
88	100		
43	48.8	40.9	61.3
58	57.6	52.2	78.4

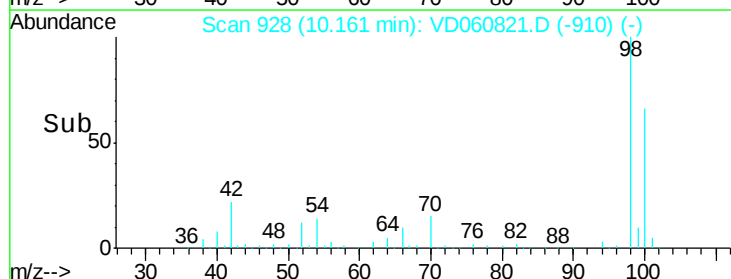
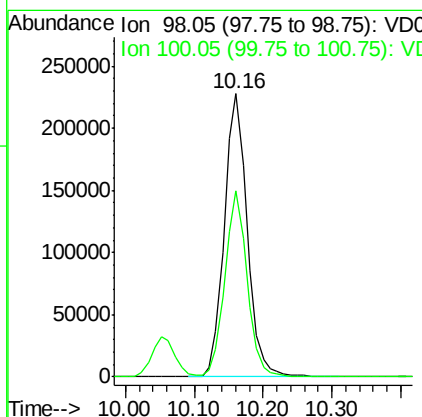
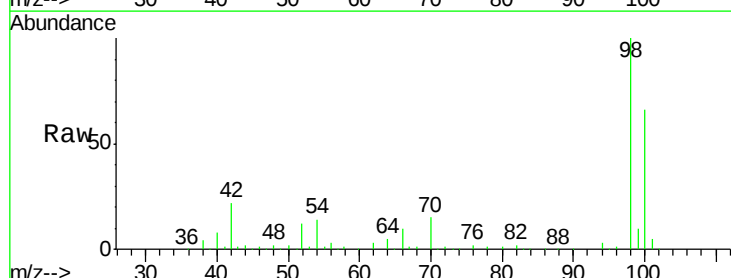
Manual Integrations
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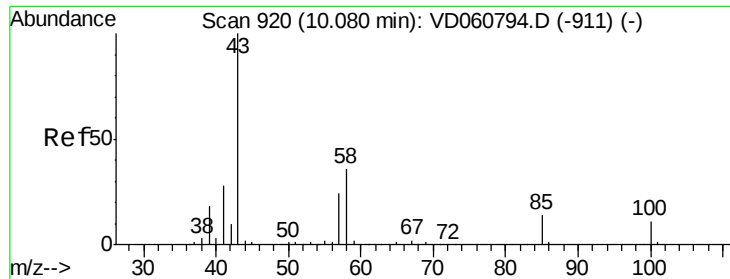
MMDadoda
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#50
Toluene-d8
Concen: 1171.063 ug/l
RT: 10.16 min Scan# 928
Delta R.T. -0.03 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 357.170 ug/l

RT: 10.05 min Scan# 917

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

Tot Ion: 43 Resp: 743794

Ion Ratio Lower Upper

43 100

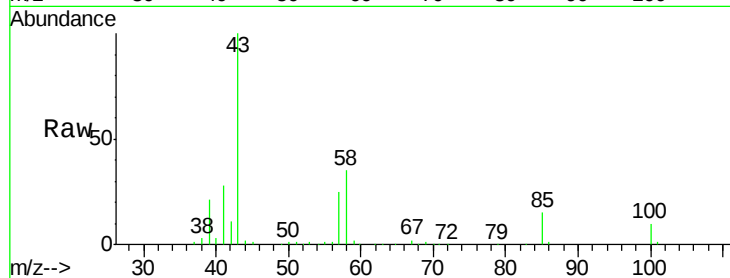
58 35.2 28.4 42.6

Manual Integrations

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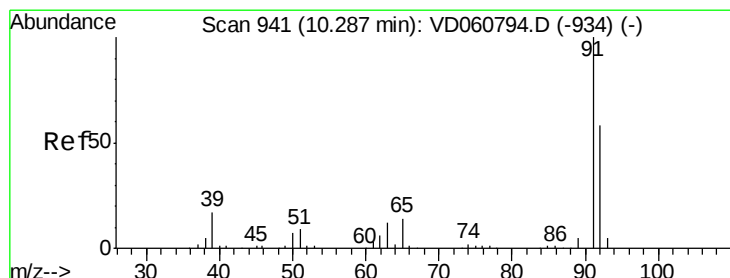
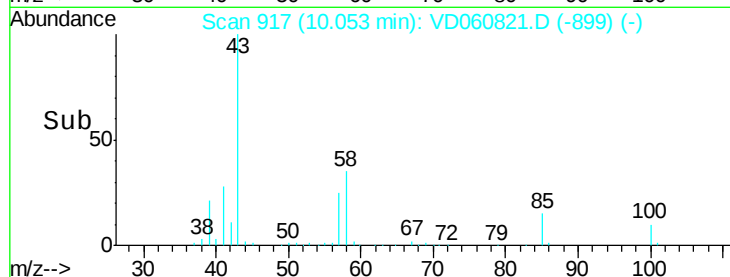
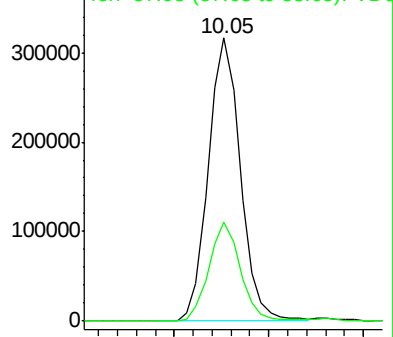
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 47.491 ug/l

RT: 10.26 min Scan# 938

Delta R.T. -0.03 min

Lab File: VD060821.D

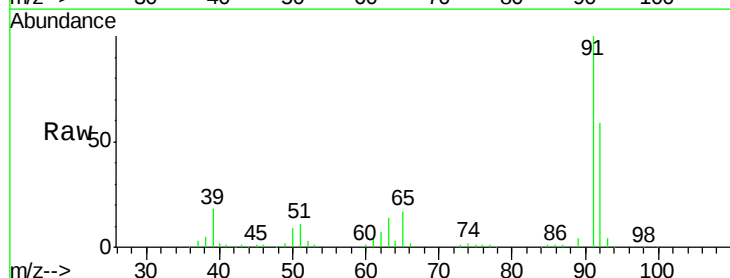
Acq: 1 Feb 2019 16:07

Tgt Ion: 92 Resp: 328387

Ion Ratio Lower Upper

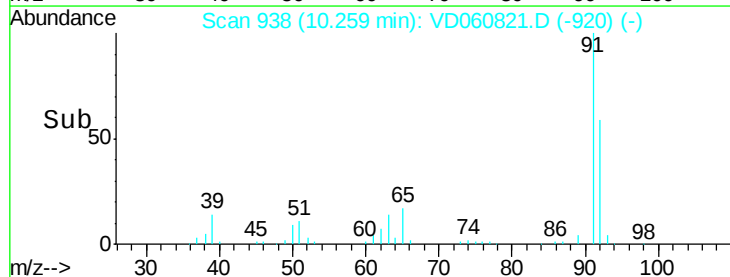
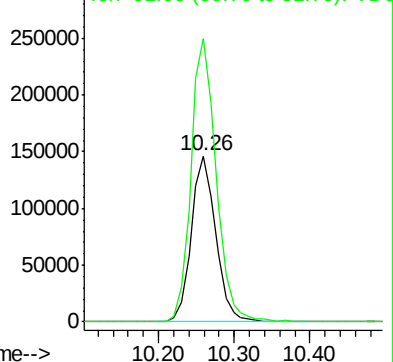
92 100

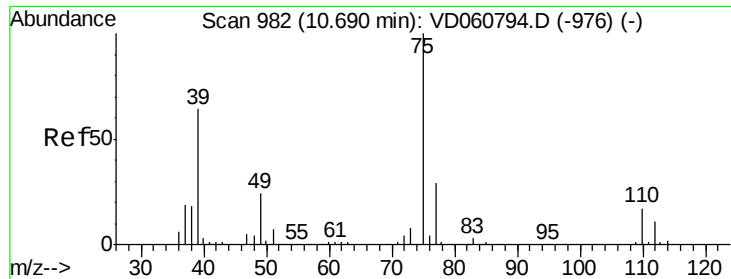
91 170.3 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 55.706 ug/l

RT: 10.66 min Scan# 979

Delta R.T. -0.03 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

Tot Ion: 75 Resp: 302978

Ion Ratio Lower Upper

75 100

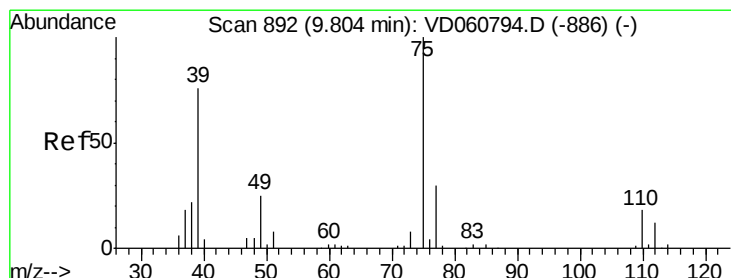
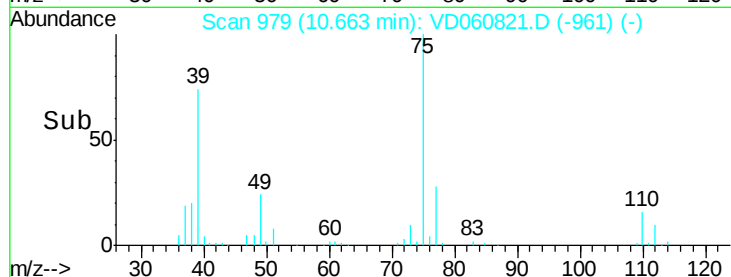
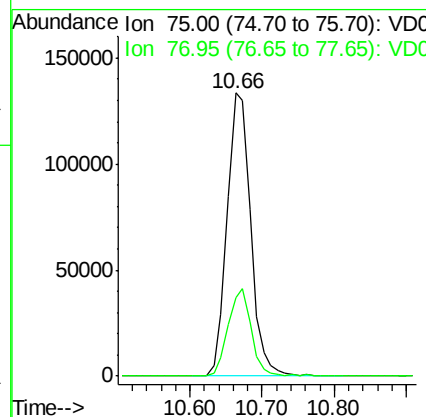
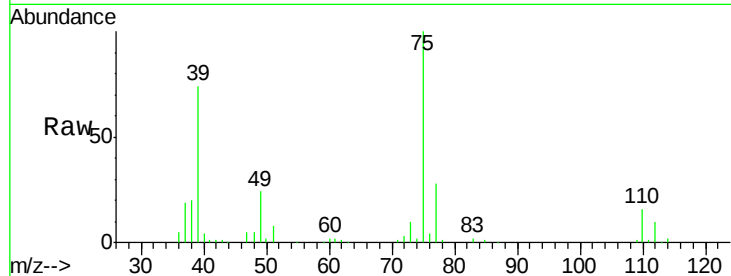
77 27.5 23.0 34.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 55.934 ug/l

RT: 9.79 min Scan# 890

Delta R.T. -0.02 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

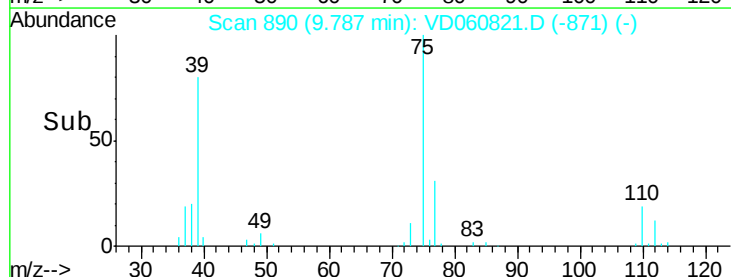
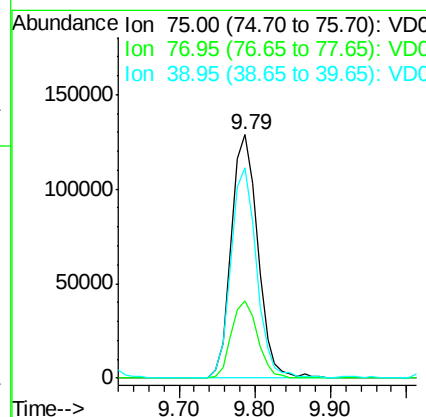
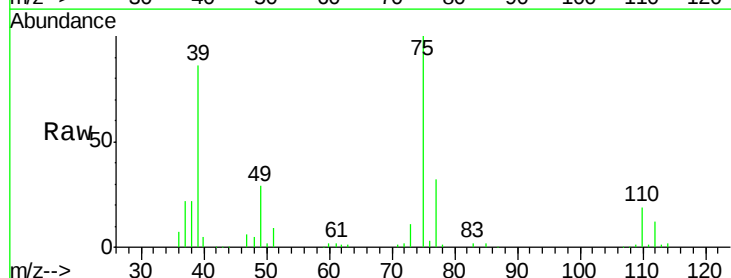
Tgt Ion: 75 Resp: 311965

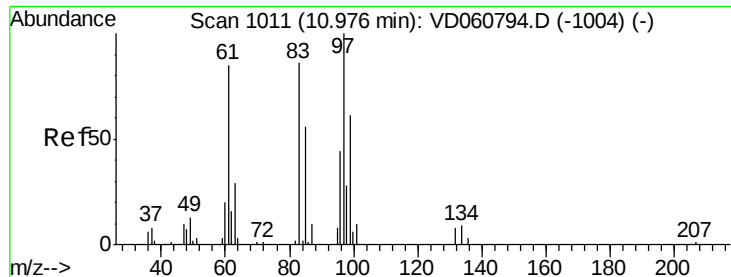
Ion Ratio Lower Upper

75 100

77 31.9 23.9 35.9

39 86.2 60.4 90.6





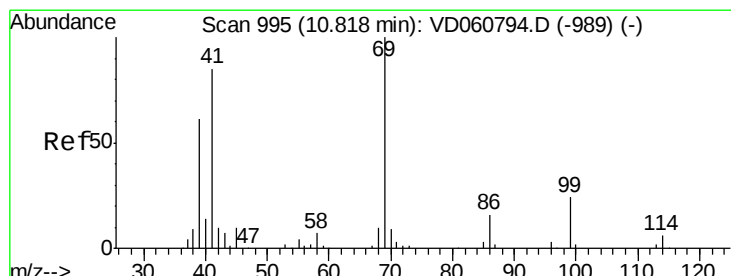
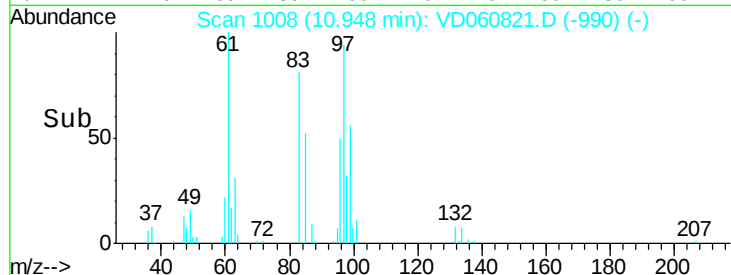
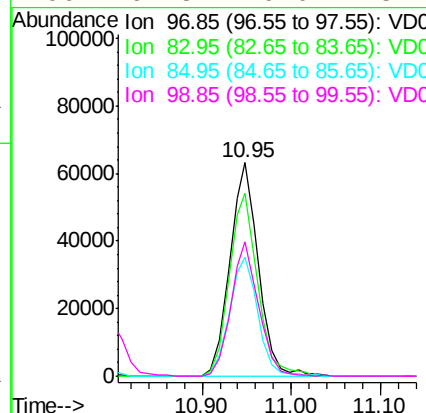
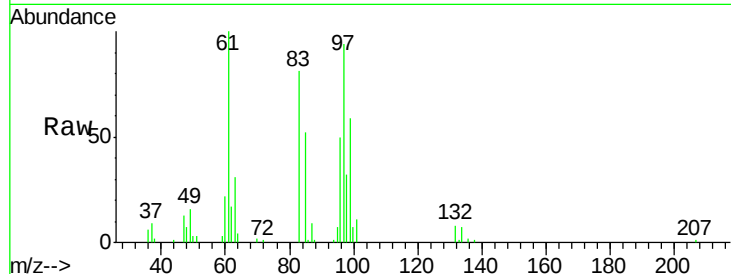
#55
1,1,2-Trichloroethane
Concen: 60.274 ug/l
RT: 10.95 min Scan# 1008
Delta R.T. -0.03 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion	Ratio	Resp	Lower	Upper
97	100	142098		
83	85.8	68.5	102.7	
85	55.5	45.0	67.6	
99	62.8	49.0	73.4	

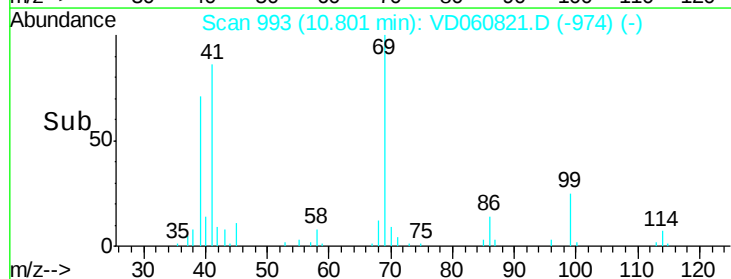
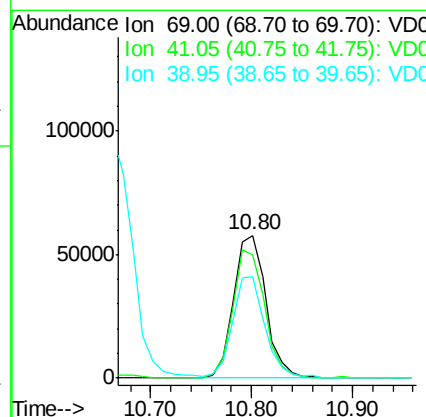
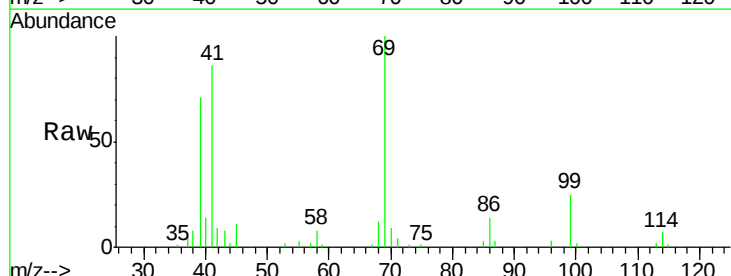
Manual Integrations
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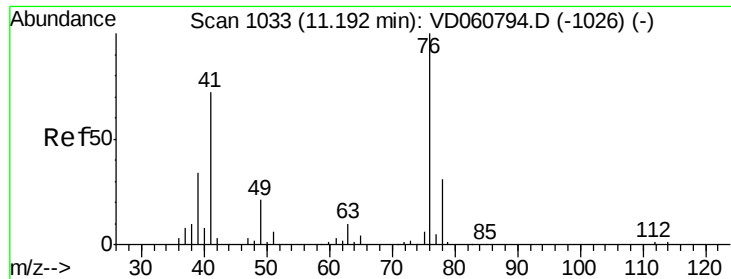
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#56
Ethyl methacrylate
Concen: 45.034 ug/l
RT: 10.80 min Scan# 993
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	128613		
41	86.4	68.2	102.2	
39	71.2	49.4	74.0	





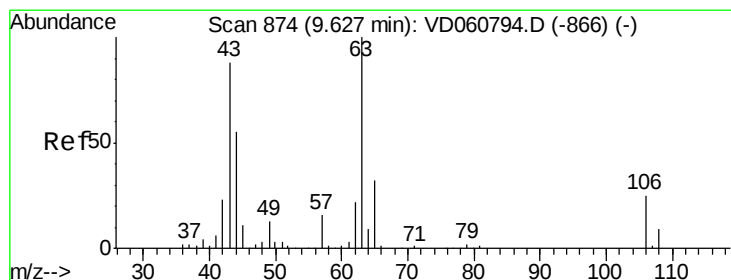
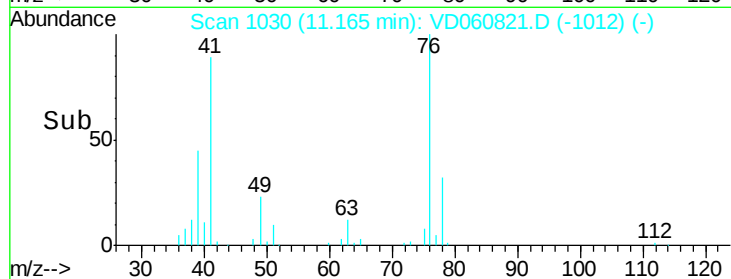
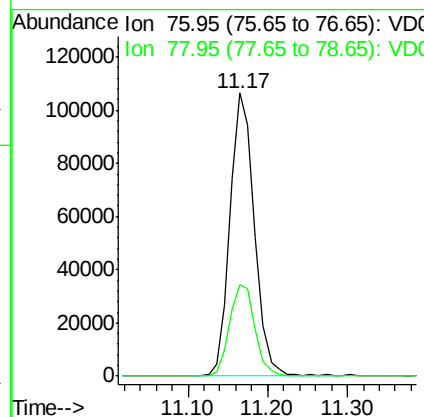
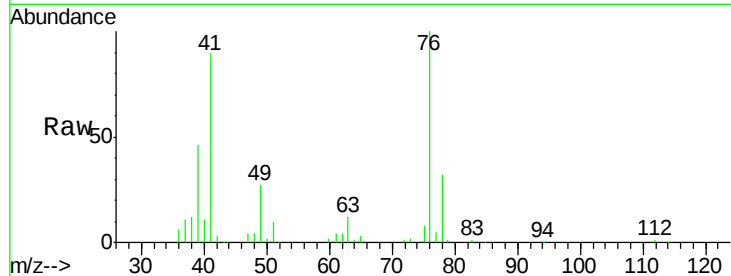
#57
 1,3-Dichloropropane
 Concen: 56.958 ug/l
 RT: 11.17 min Scan# 1030
 Delta R.T. -0.03 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMS

Tot Ion: 76 Resp: 229493
 Ion Ratio Lower Upper
 76 100
 78 32.1 24.5 36.7

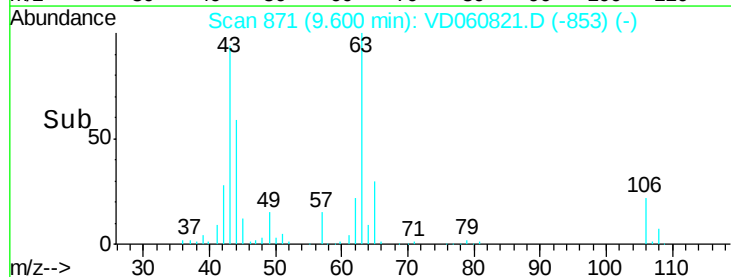
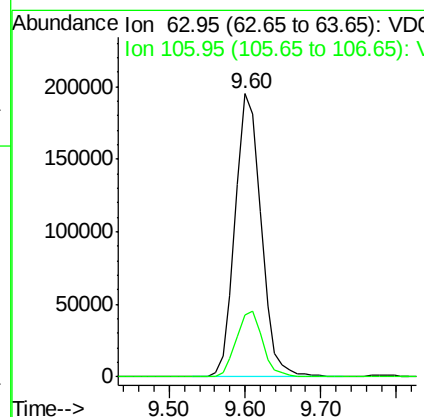
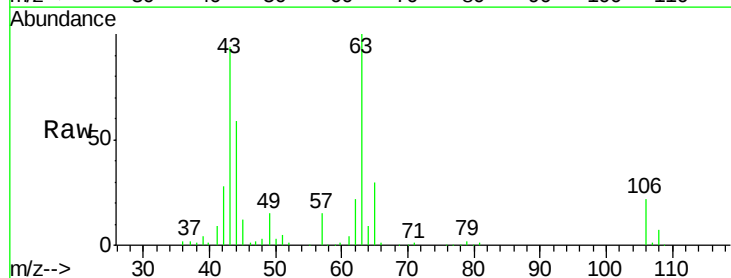
Manual Integrations
 APPROVED

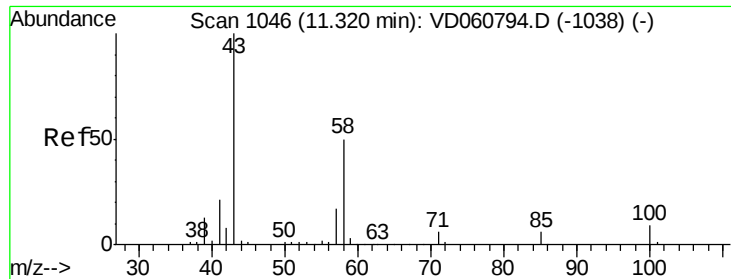
MMDadoda
 2/4/2019 4:42:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 307.852 ug/l
 RT: 9.60 min Scan# 871
 Delta R.T. -0.03 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Tgt Ion: 63 Resp: 461311
 Ion Ratio Lower Upper
 63 100
 106 22.0 19.9 29.9





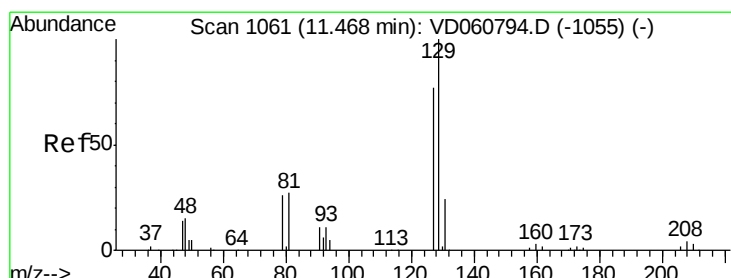
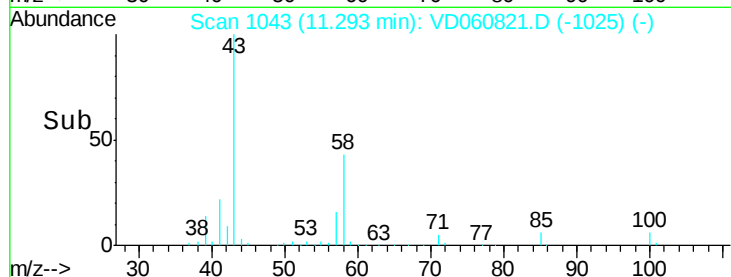
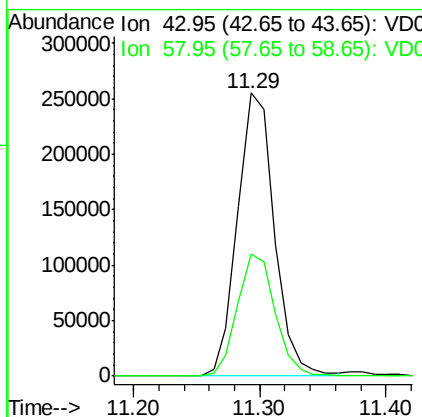
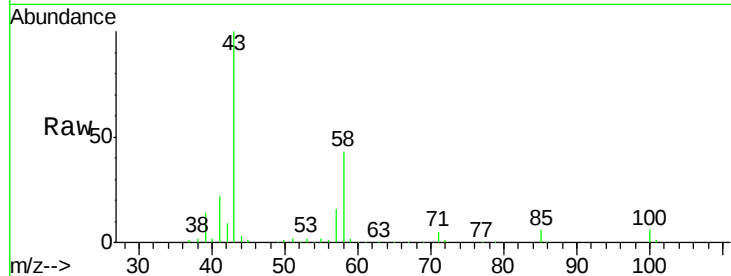
#59
2-Hexanone
Concen: 331.063 ug/l
RT: 11.29 min Scan# 1043
Delta R.T. -0.03 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion: 43 Resp: 518380
Ion Ratio Lower Upper
43 100
58 43.4 25.0 75.0

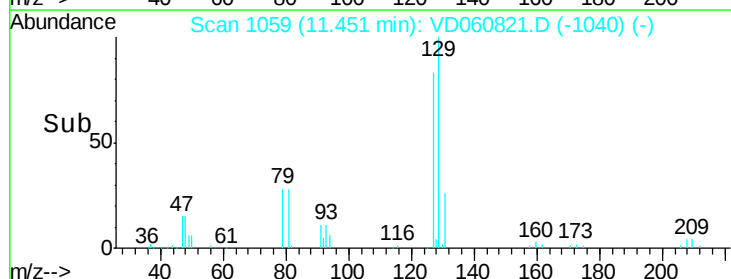
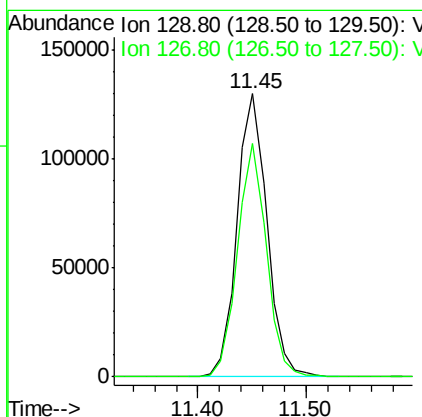
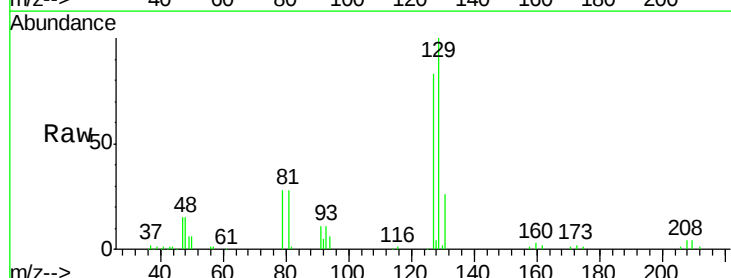
Manual Integrations
APPROVED

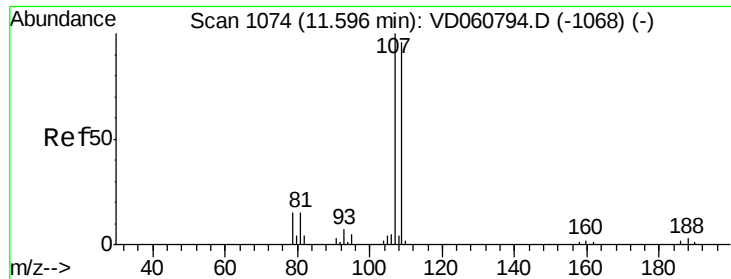
MMDadoda
2/4/2019 4:42:59 PM



#60
Dibromochloromethane
Concen: 58.903 ug/l
RT: 11.45 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion: 129 Resp: 249652
Ion Ratio Lower Upper
129 100
127 82.6 38.6 115.7





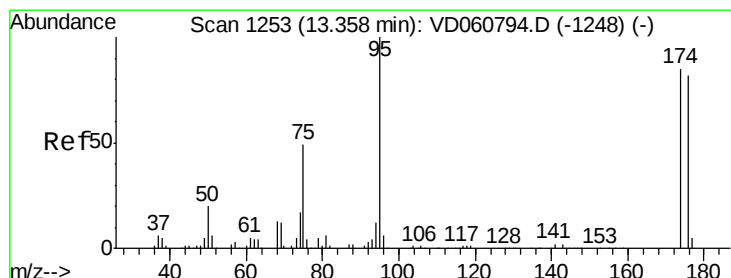
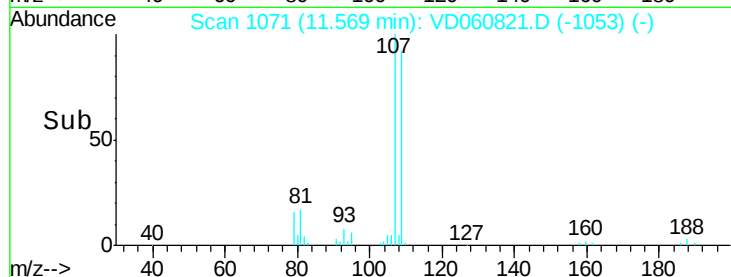
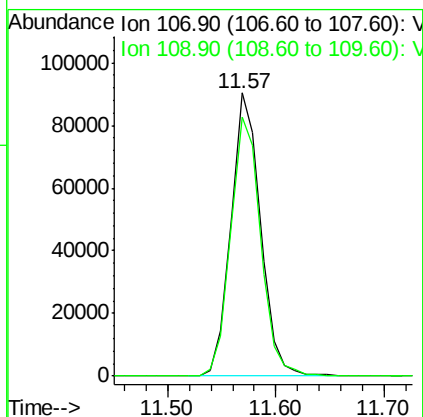
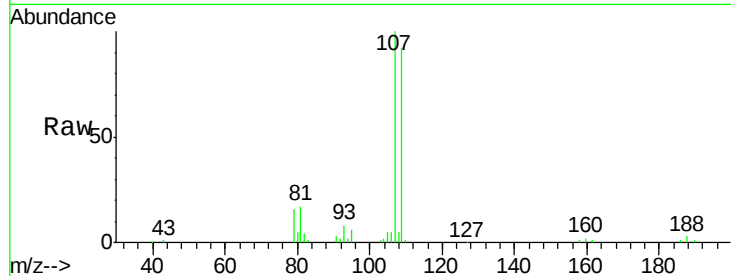
#61
 1,2-Dibromoethane
 Concen: 61.844 ug/l
 RT: 11.57 min Scan# 1071
 Delta R.T. -0.03 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMS

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.7	76.6	114.8

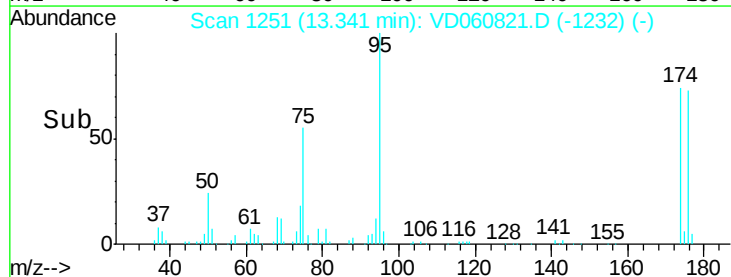
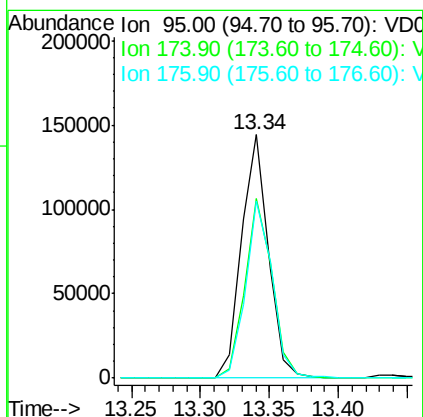
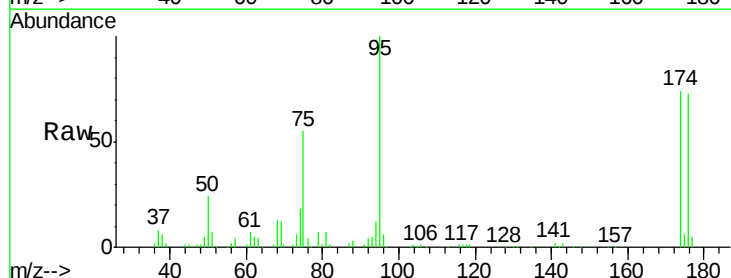
Manual Integrations
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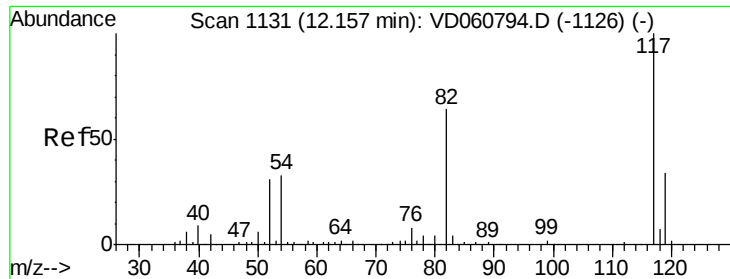
MMDadoda
 2/4/2019 4:42:59 PM



#62
 4-Bromofluorobenzene
 Concen: 61.844 ug/l
 RT: 13.34 min Scan# 1251
 Delta R.T. -0.02 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	169.6
176	72.5	0.0	163.8





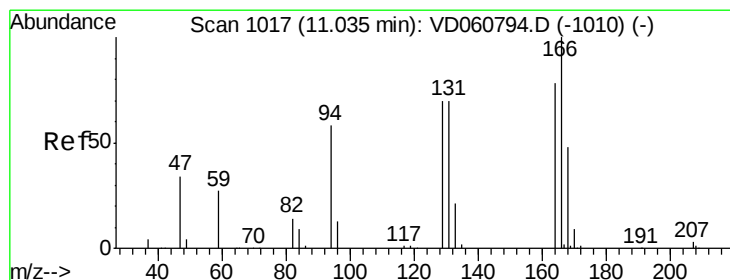
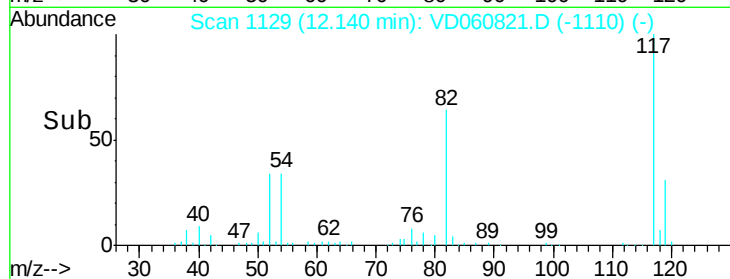
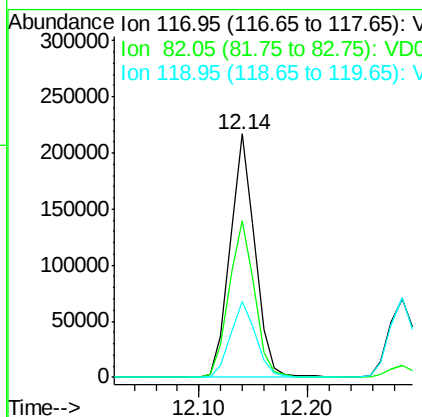
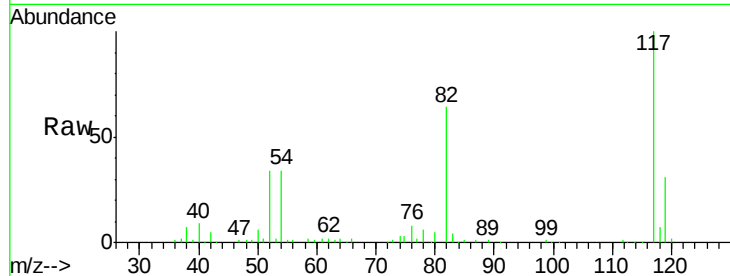
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.14 min Scan# 1129
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	347149		
82	64.1	51.5	77.3	
119	31.1	27.1	40.7	

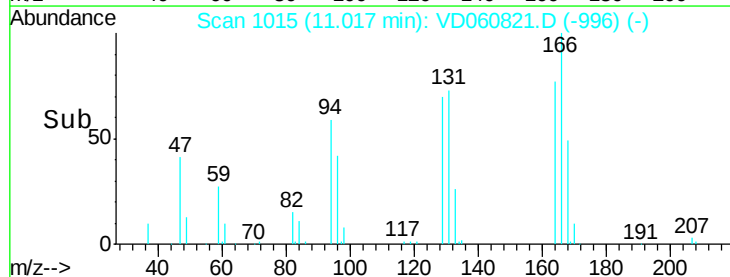
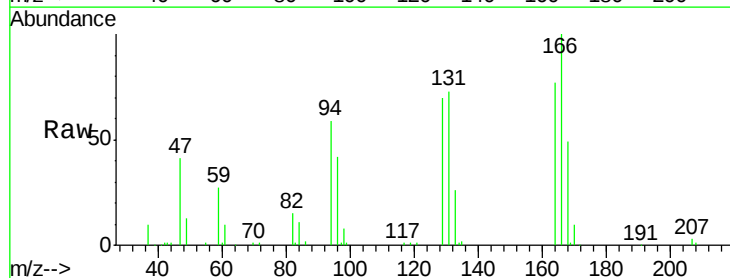
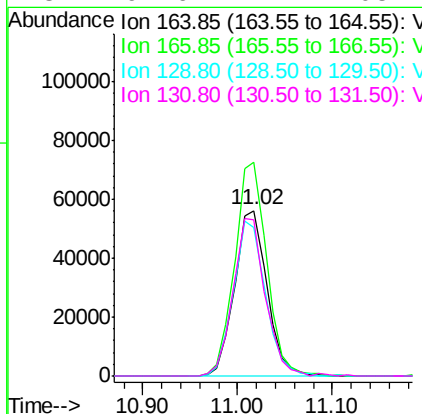
Manual Integrations
APPROVED

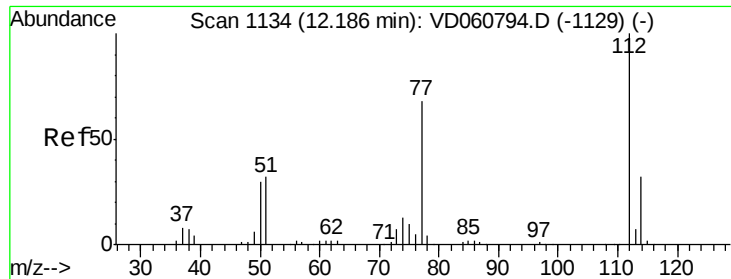
MMDadoda
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#64
Tetrachloroethene
Concen: 41.722 ug/l
RT: 11.02 min Scan# 1015
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	132925		
166	129.3	102.6	154.0	
129	89.9	72.3	108.5	
131	94.6	72.1	108.1	





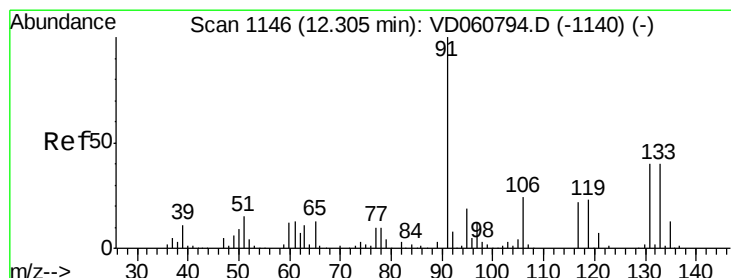
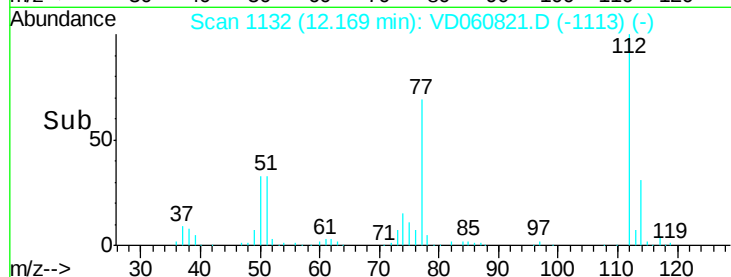
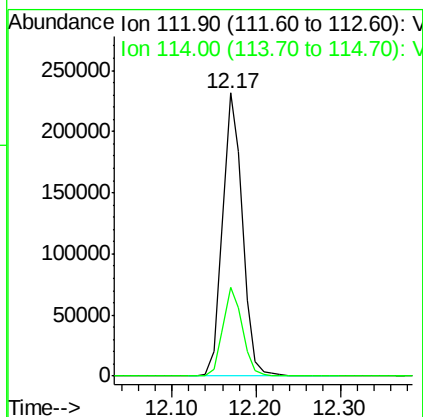
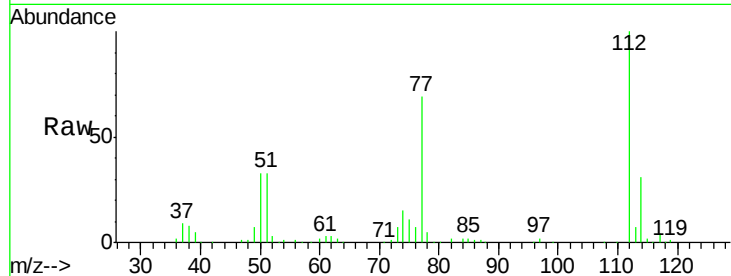
#65
Chlorobenzene
Concen: 47.641 ug/l
RT: 12.17 min Scan# 1132
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampled :
A0C17-SSIMS

Tot Ion:112 Resp: 377946
Ion Ratio Lower Upper
112 100
114 31.3 25.2 37.8

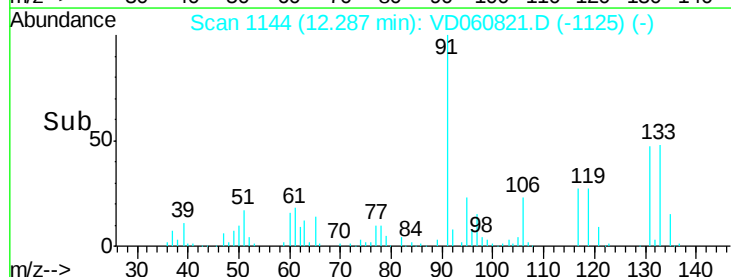
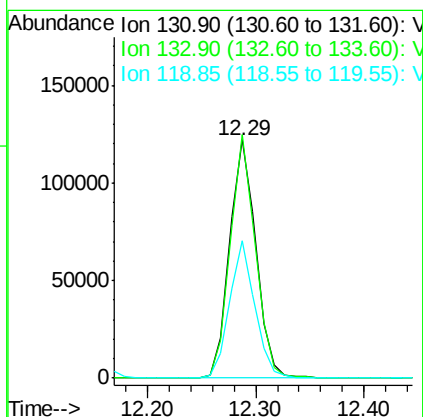
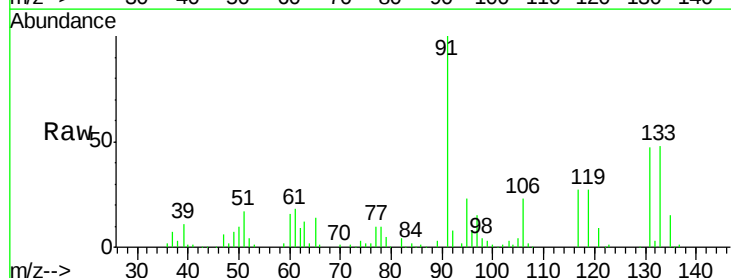
Manual Integrations
APPROVED

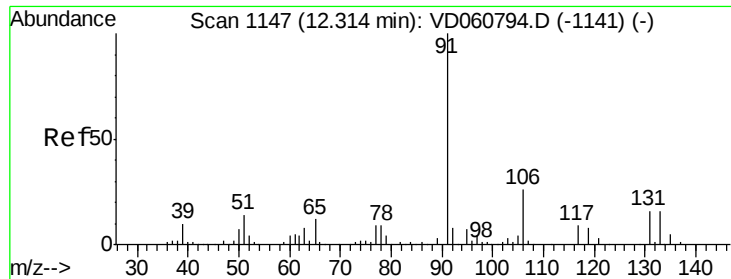
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 60.701 ug/l
RT: 12.29 min Scan# 1144
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion:131 Resp: 206889
Ion Ratio Lower Upper
131 100
133 102.2 49.9 149.7
119 57.8 28.5 85.5





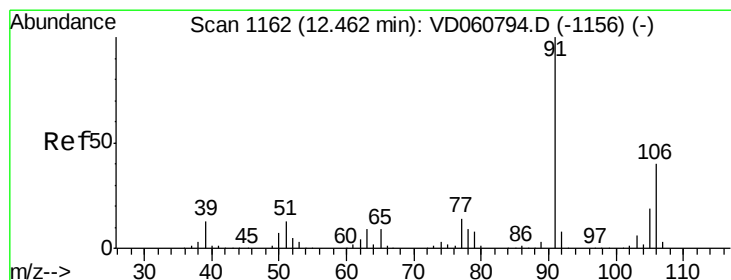
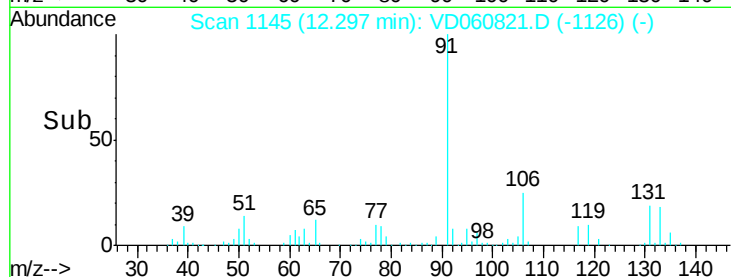
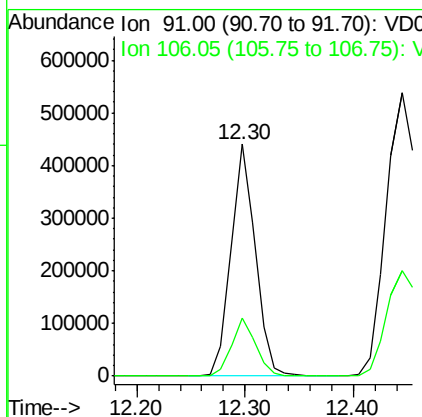
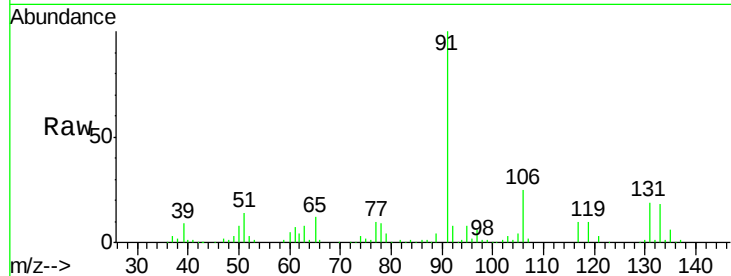
#67
Ethyl Benzene
Concen: 48.551 ug/l
RT: 12.30 min Scan# 1145
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion: 91 Resp: 692600
Ion Ratio Lower Upper
91 100
106 25.0 21.0 31.6

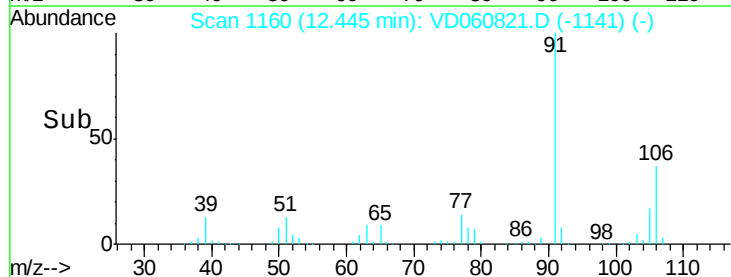
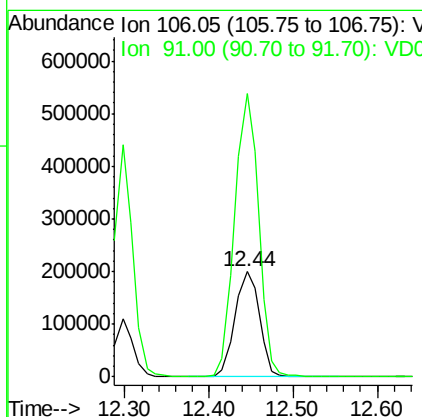
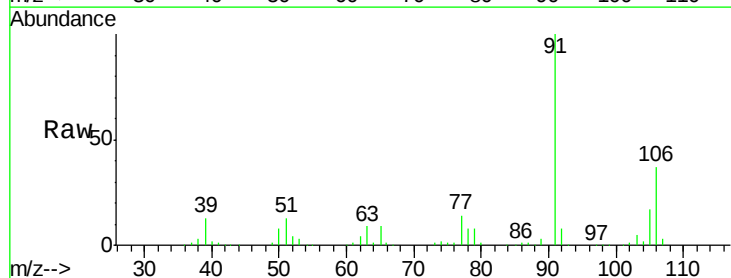
Manual Integrations
APPROVED

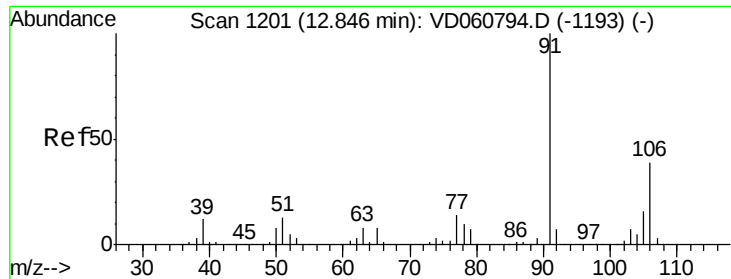
MMDadoda
2/4/2019 4:42:59 PM



#68
m/p-Xylenes
Concen: 87.481 ug/l
RT: 12.44 min Scan# 1160
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion: 106 Resp: 406009
Ion Ratio Lower Upper
106 100
91 268.9 200.5 300.7





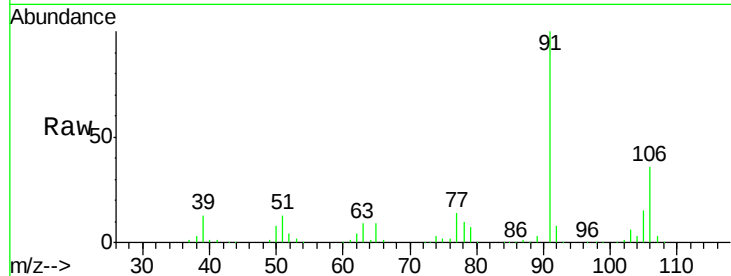
#69
o-Xylene
Concen: 46.502 ug/l
RT: 12.83 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

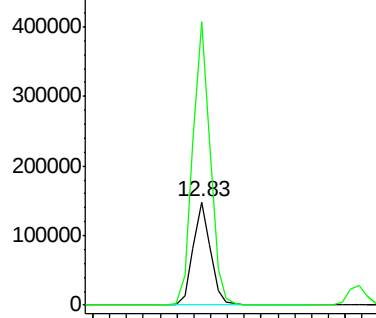
Tot Ion:106 Resp: 213606
Ion Ratio Lower Upper
106 100
91 274.7 127.6 382.7

Manual Integrations
APPROVED

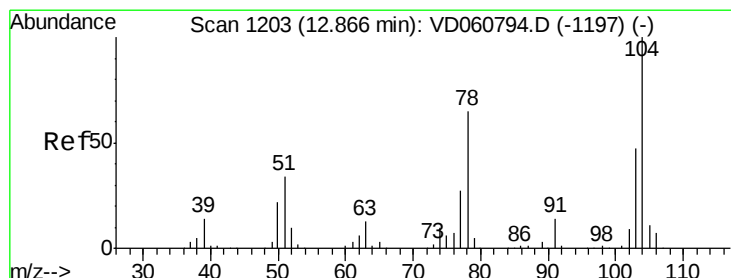
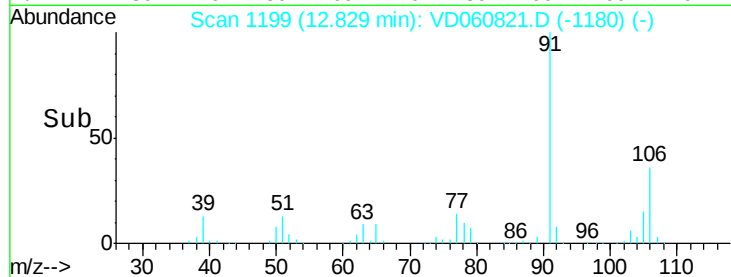
MMDadoda
2/4/2019 4:42:59 PM



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

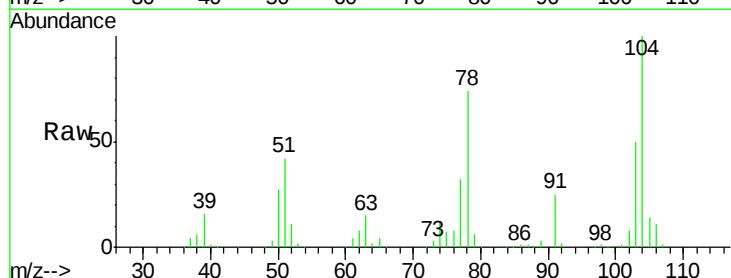


Time--> 12.70 12.80 12.90 13.00

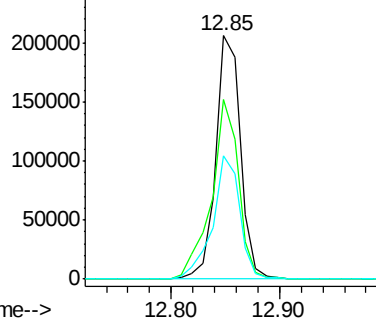


#70
Styrene
Concen: 42.135 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

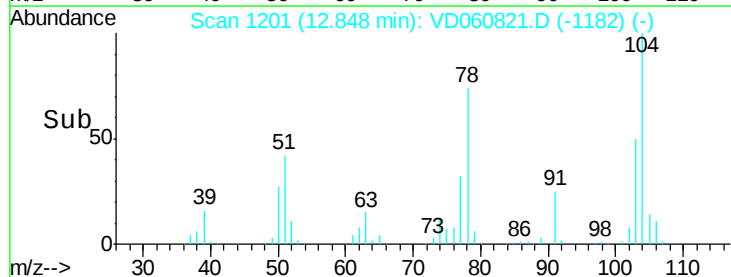
Tgt Ion:104 Resp: 324562
Ion Ratio Lower Upper
104 100
78 73.9 52.0 78.0
103 50.4 37.7 56.5

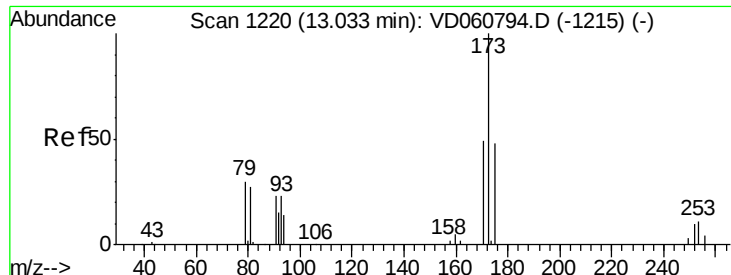


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time--> 12.80 12.90





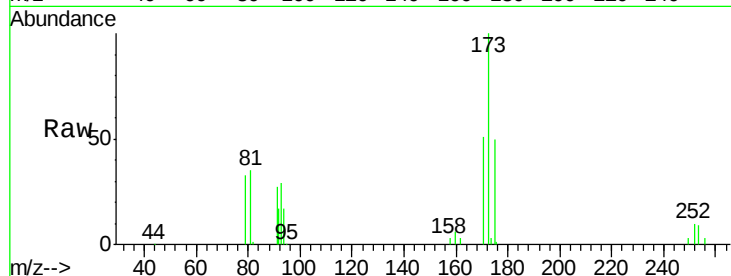
#71
Bromoform
Concen: 59.866 ug/l
RT: 13.02 min Scan# 1218
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

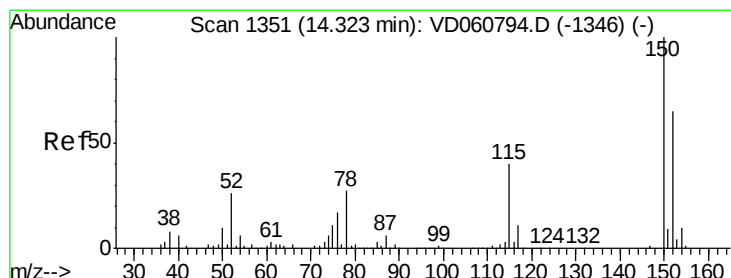
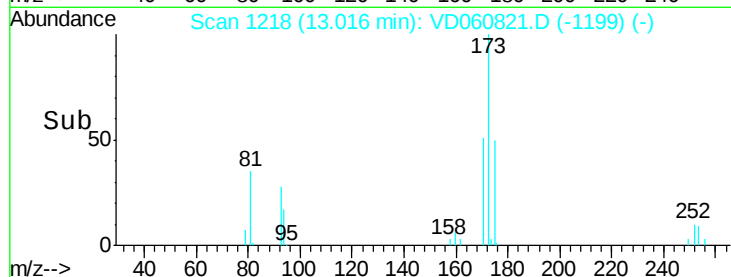
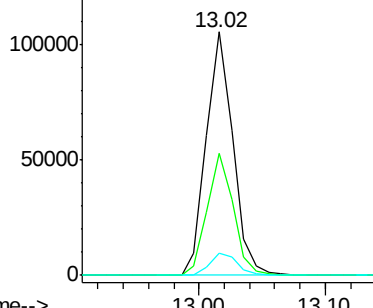
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.1	72.4
254	9.3	9.1	13.7

Manual Integrations
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2/4/2019 4:42:59 PM

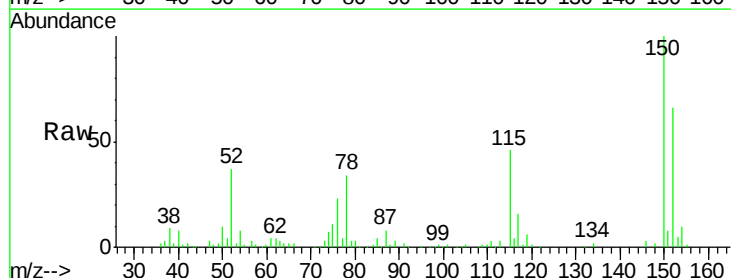


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

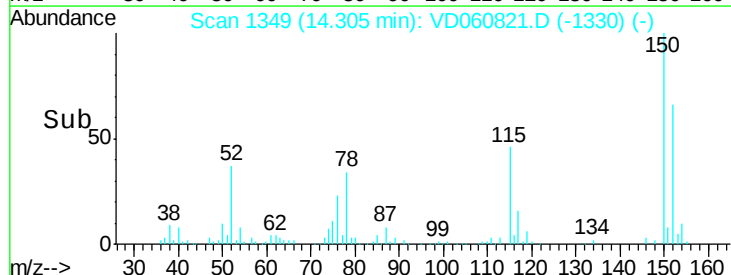
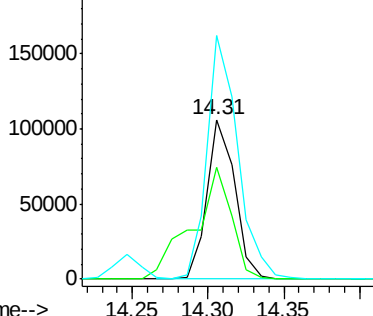


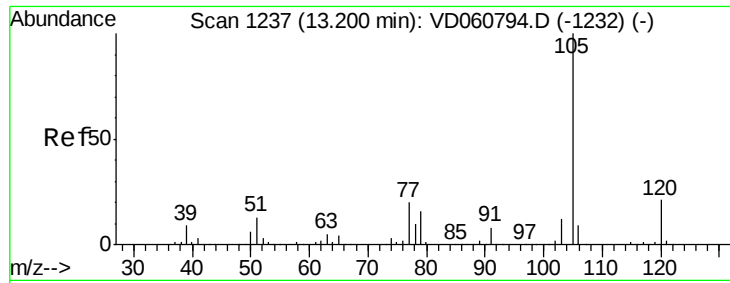
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.31 min Scan# 1349
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	70.0	31.6	95.0
150	152.5	0.0	317.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





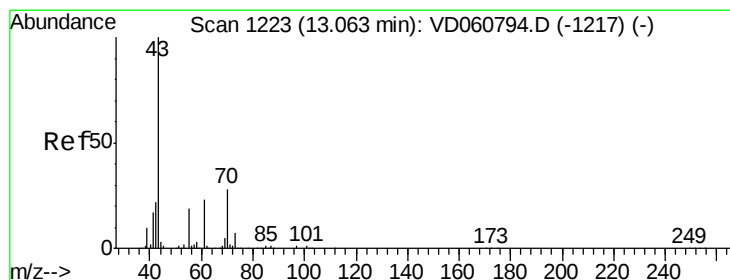
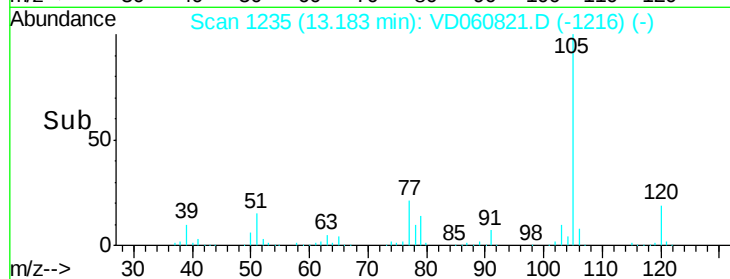
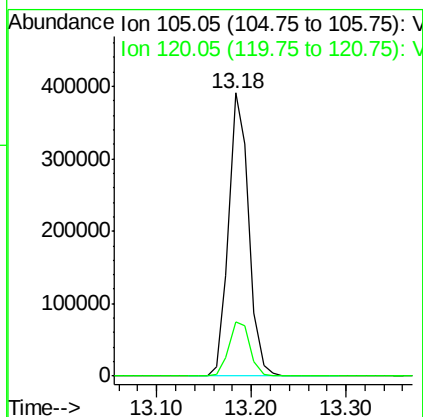
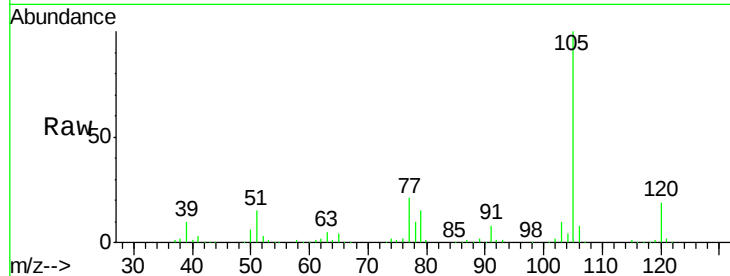
#73
Isopropylbenzene
Concen: 53.328 ug/l
RT: 13.18 min Scan# 1235
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion: 105 Resp: 575035
Ion Ratio Lower Upper
105 100
120 19.3 10.7 32.1

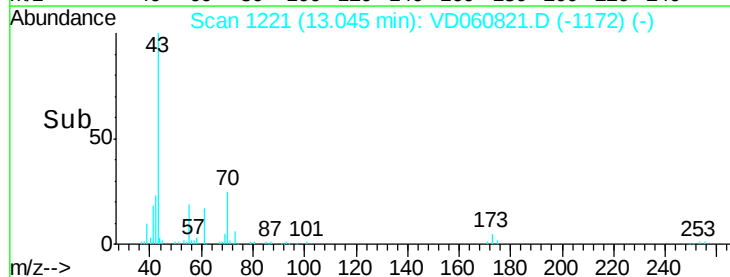
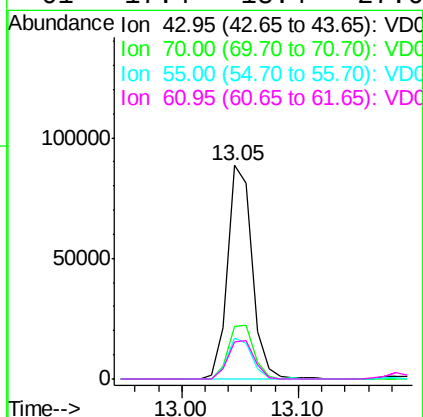
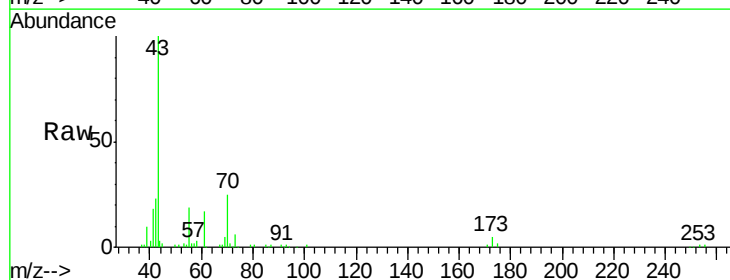
Manual Integrations
APPROVED

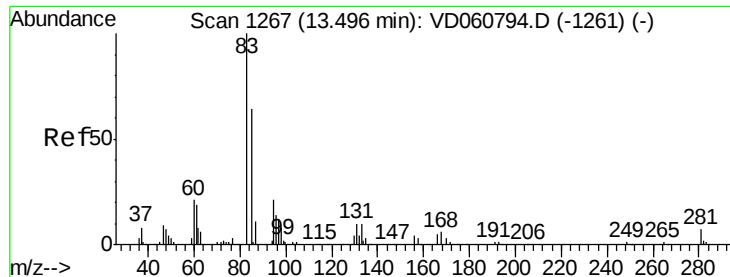
MMDadoda
2/4/2019 4:42:59 PM



#74
N-ethyl acetate
Concen: 39.113 ug/l
RT: 13.05 min Scan# 1221
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion: 43 Resp: 129658
Ion Ratio Lower Upper
43 100
70 24.8 22.2 33.4
55 19.0 15.5 23.3
61 17.4 18.4 27.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 79.509 ug/l

RT: 13.49 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

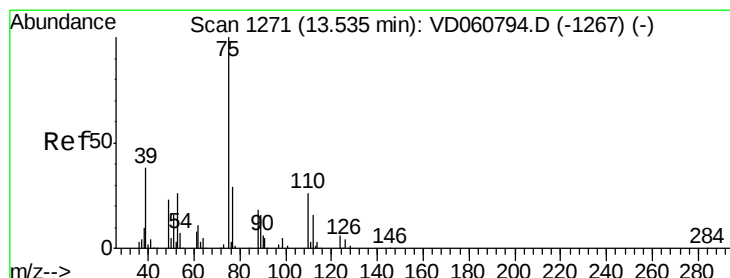
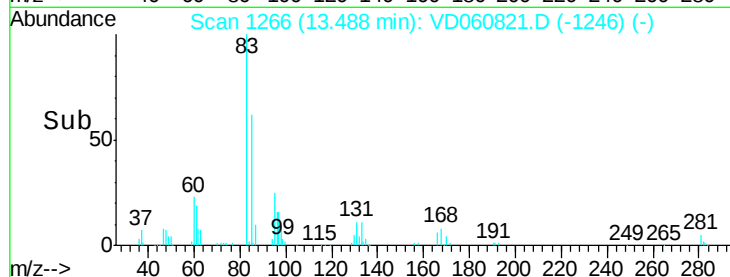
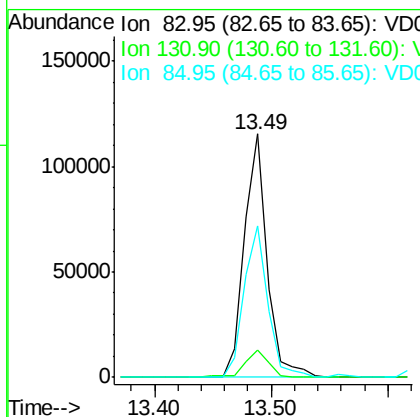
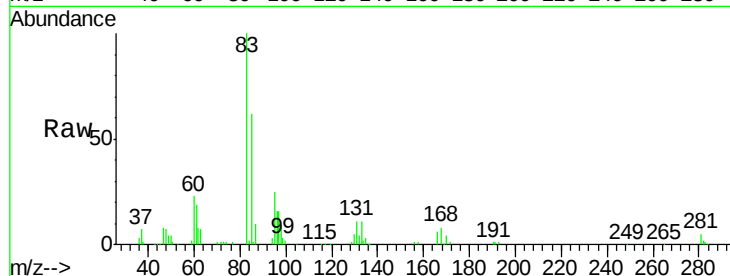
ClientSampleId :

A0C17-SSIMS

Tot Ion:	83	Resp:	156106
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.0	15.0
85	62.4	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 79.028 ug/l

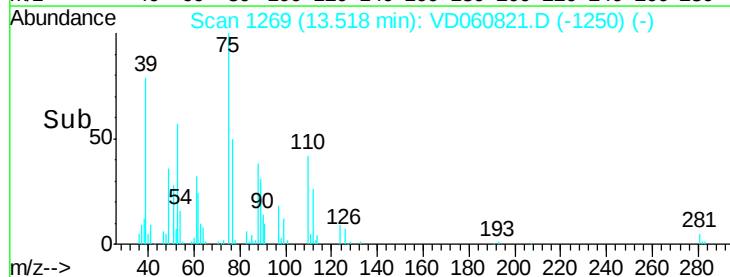
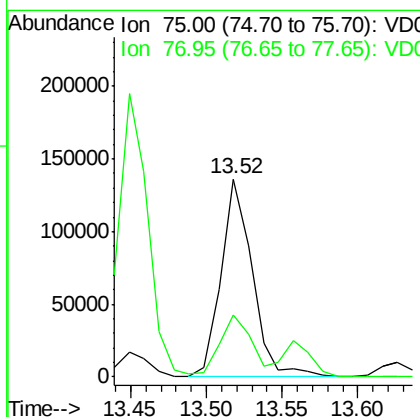
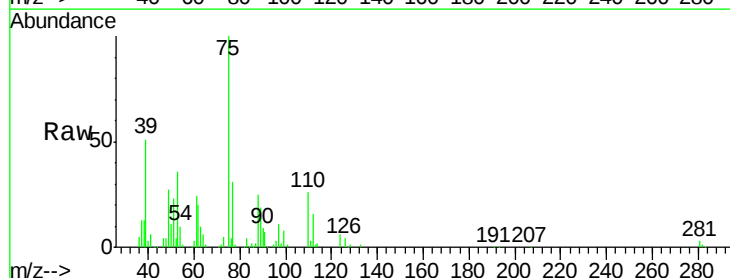
RT: 13.52 min Scan# 1269

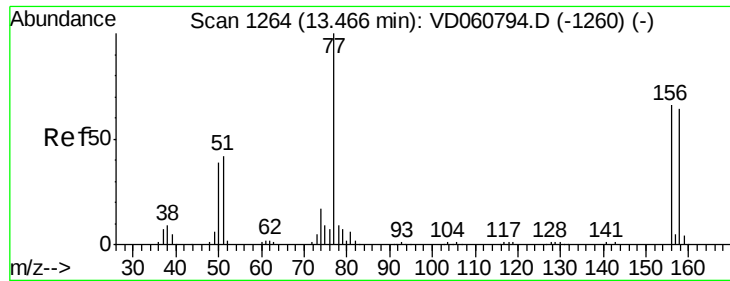
Delta R.T. -0.02 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Tgt Ion:	75	Resp:	195992
Ion Ratio	Lower	Upper	
75	100		
77	31.1	15.9	47.7





#77

Bromobenzene

Concen: 57.289 ug/l

RT: 13.46 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

Tot Ion:156 Resp: 158798

Ion Ratio Lower Upper

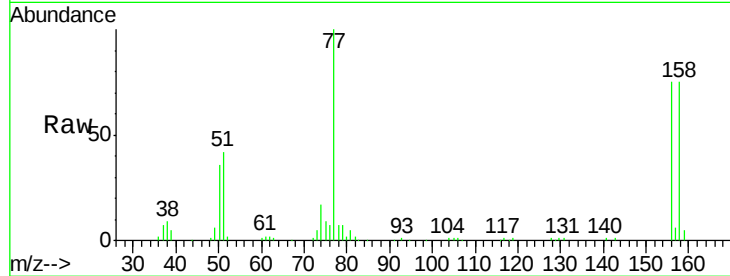
156 100

77 133.6 76.0 228.0

158 99.9 48.4 145.0

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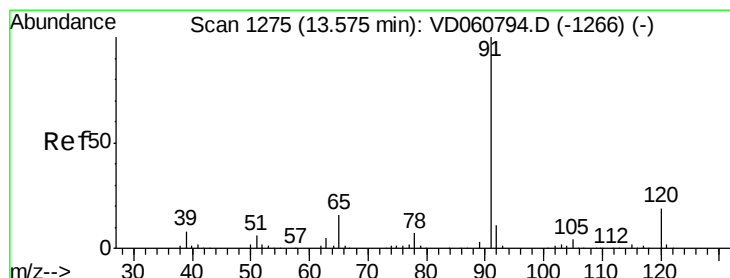
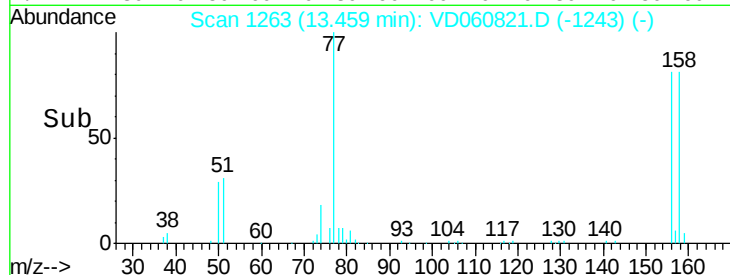
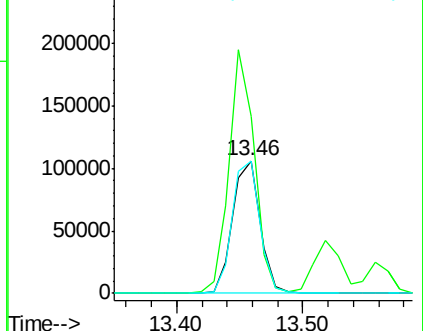
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 48.855 ug/l

RT: 13.56 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VD060821.D

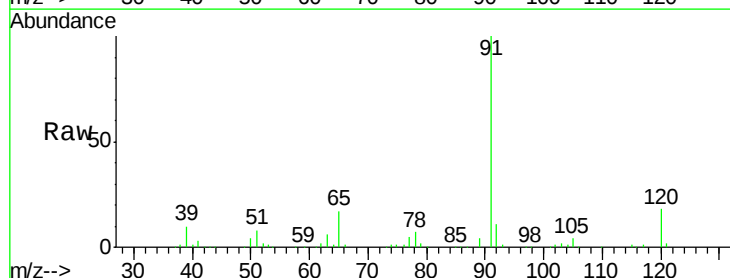
Acq: 1 Feb 2019 16:07

Tgt Ion: 91 Resp: 661324

Ion Ratio Lower Upper

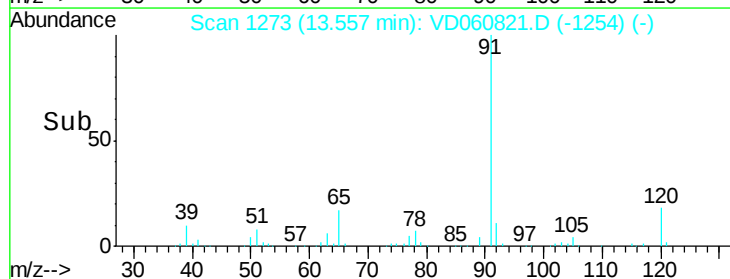
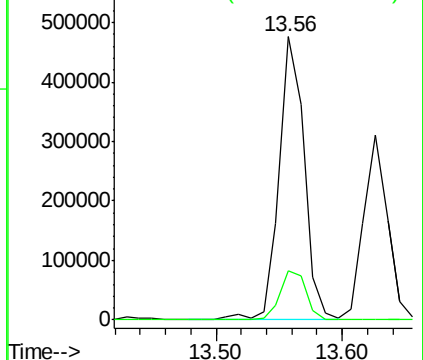
91 100

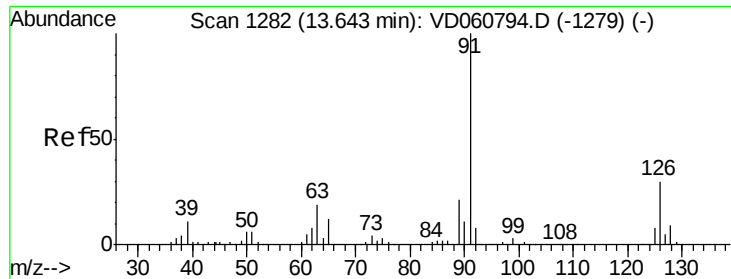
120 17.5 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





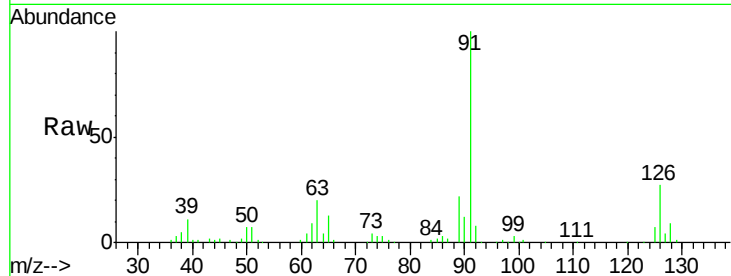
#79
2-Chlorotoluene
Concen: 49.866 ug/l
RT: 13.63 min Scan# 1280
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

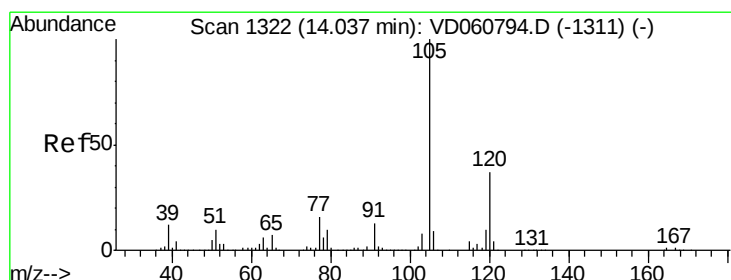
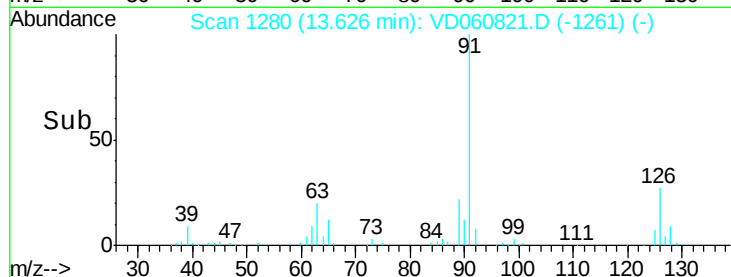
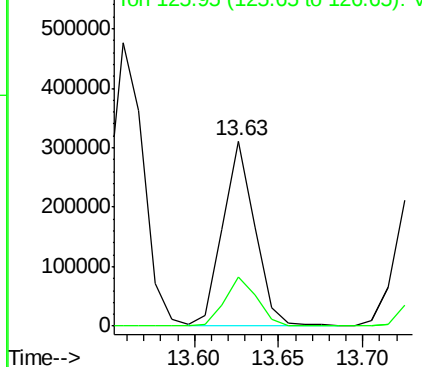
Tot Ion: 91 Resp: 411717
Ion Ratio Lower Upper
91 100
126 26.8 14.7 44.1

Manual Integrations
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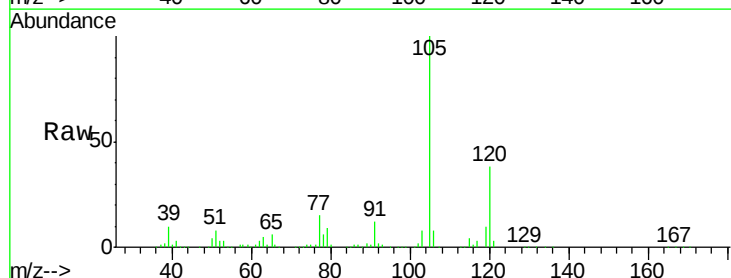


Abundance Ion 91.00 (90.70 to 91.70): VD060794.D (-1279) (-)
Ion 125.95 (125.65 to 126.65): VD060821.D (-1261) (-)

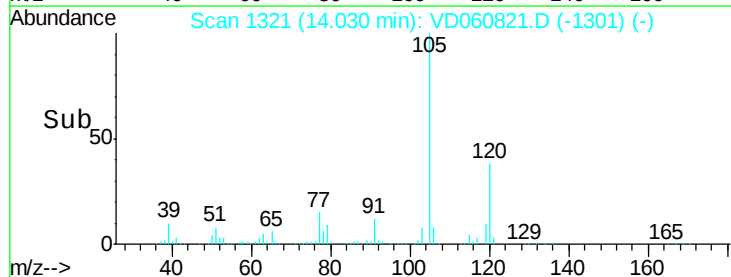
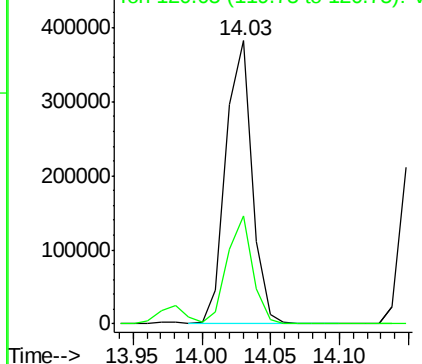


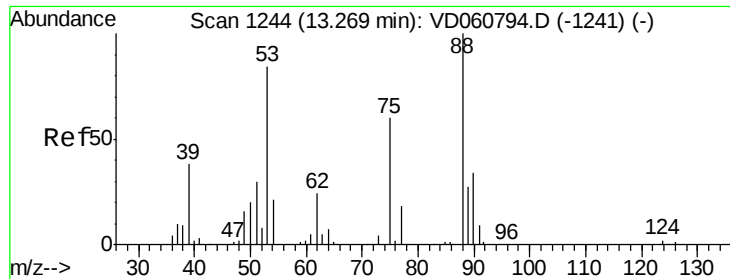
#80
1,3,5-Trimethylbenzene
Concen: 54.384 ug/l
RT: 14.03 min Scan# 1321
Delta R.T. -0.01 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion: 105 Resp: 504841
Ion Ratio Lower Upper
105 100
120 38.0 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): VD060794.D (-1311) (-)
Ion 120.05 (119.75 to 120.75): VD060821.D (-1301) (-)





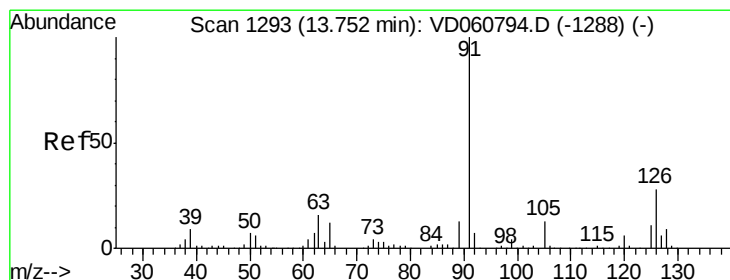
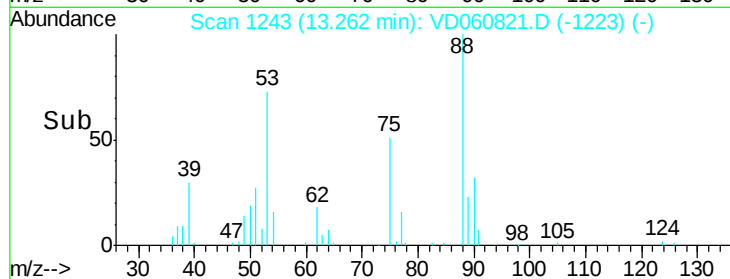
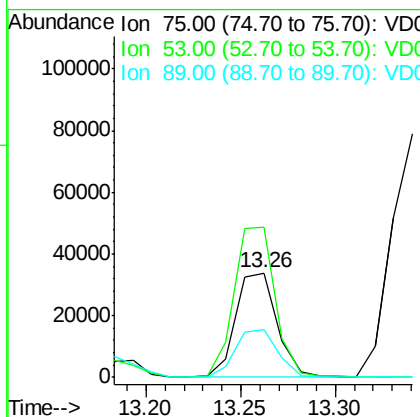
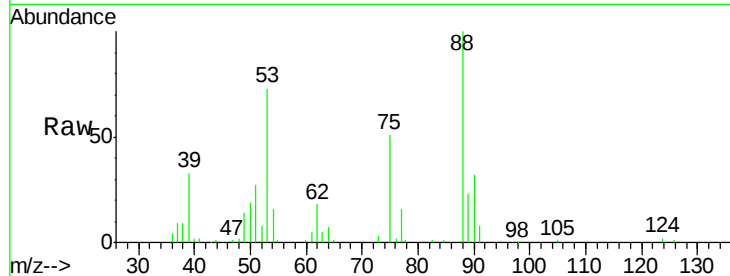
#81
trans-1,4-Dichloro-2-butene
Concen: 79.169 ug/l
RT: 13.26 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion	Ratio	Lower	Upper
75	100		
53	143.6	111.6	167.4
89	45.8	35.9	53.9

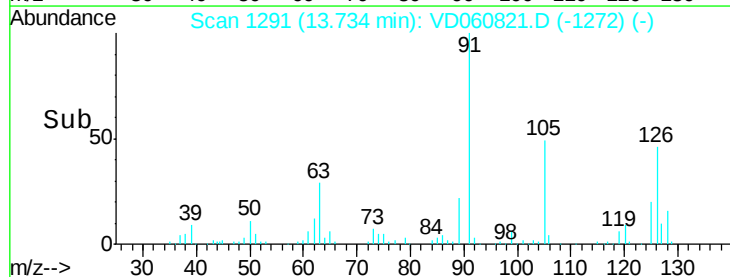
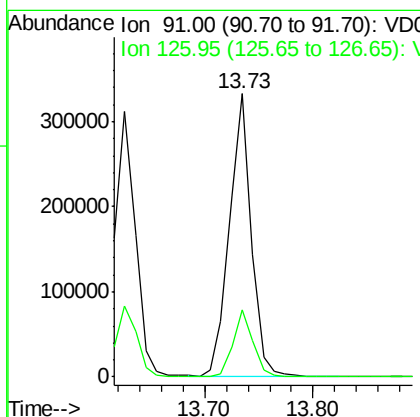
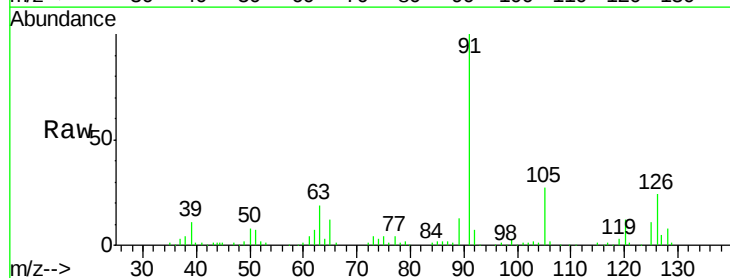
Manual Integrations
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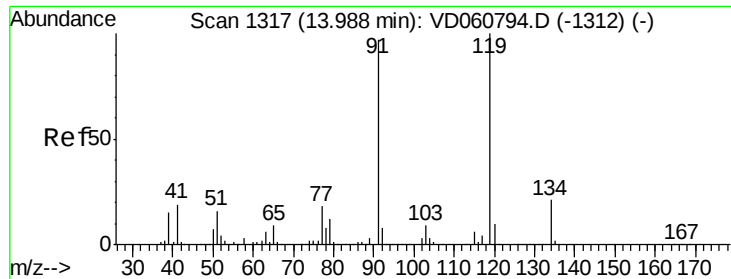
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#82
4-Chlorotoluene
Concen: 51.147 ug/l
RT: 13.73 min Scan# 1291
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	23.9	13.9	41.7





#83

tert-Butylbenzene

Concen: 50.591 ug/l

RT: 13.98 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

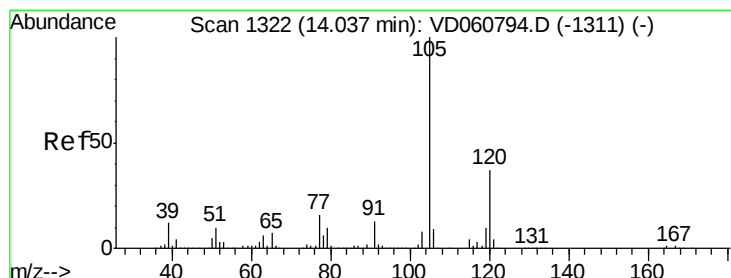
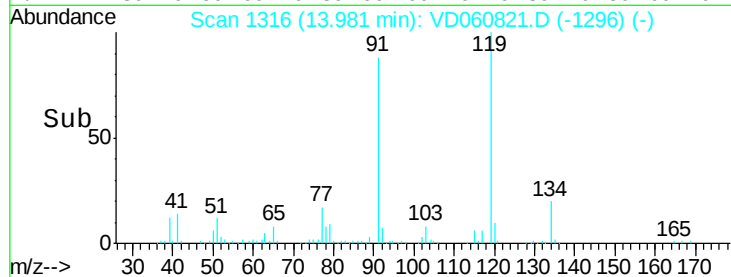
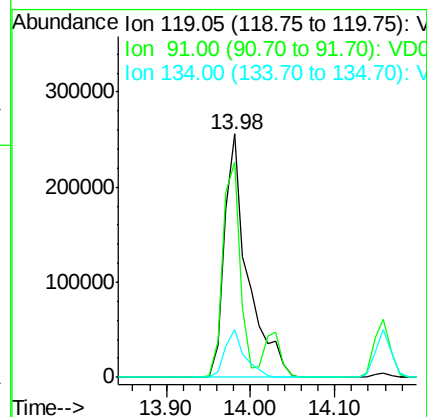
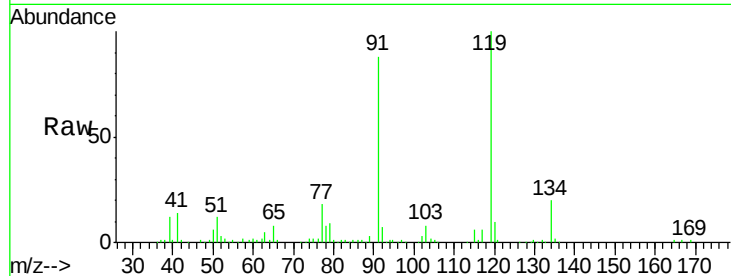
ClientSampleId :

A0C17-SSIMS

Tot Ion	Ratio	Lower	Upper
119	100		
91	88.5	48.5	145.5
134	19.8	10.3	30.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 54.384 ug/l

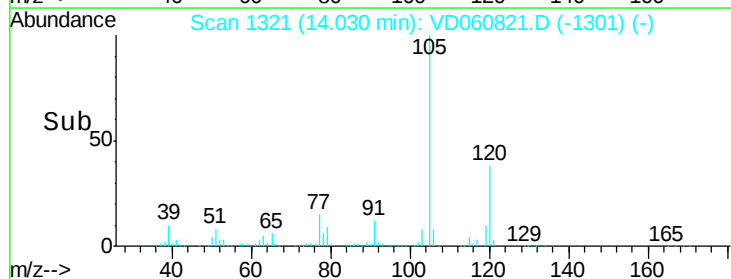
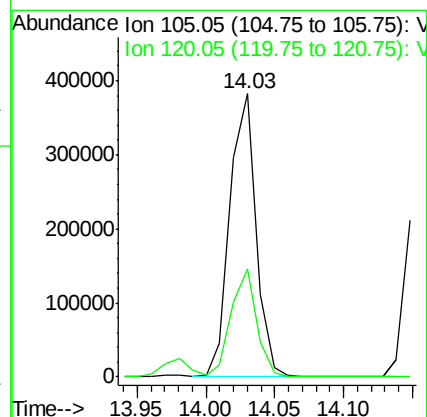
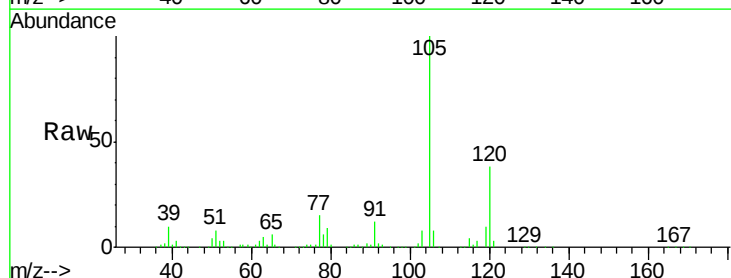
RT: 14.03 min Scan# 1321

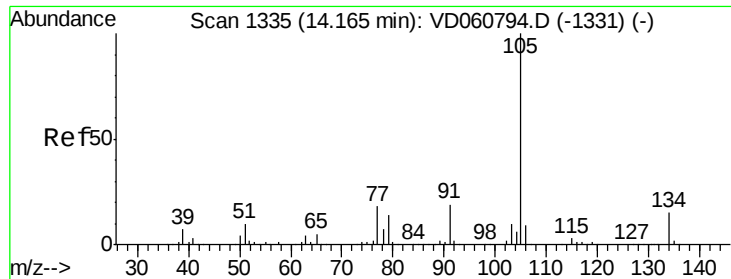
Delta R.T. -0.01 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	38.0	18.4	55.2





#85

sec-Butylbenzene

Concen: 38.240 ug/l

RT: 14.16 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

Instrument :

MSVOA_D

ClientSampleId :

A0C17-SSIMS

Tot Ion:105 Resp: 422767

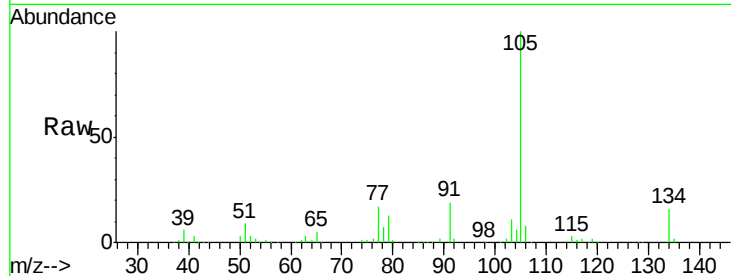
Ion Ratio Lower Upper

105 100

134 15.5 7.4 22.2

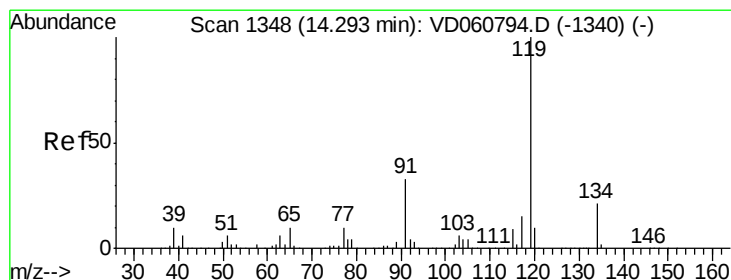
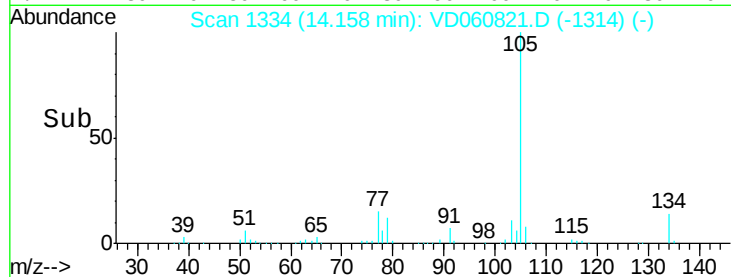
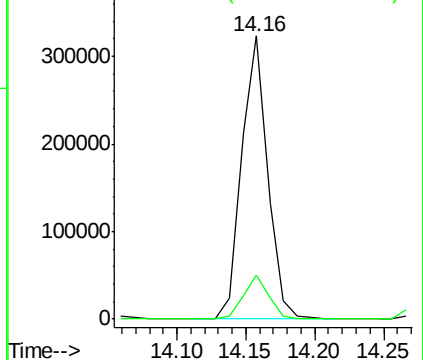
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.575 ug/l

RT: 14.29 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VD060821.D

Acq: 1 Feb 2019 16:07

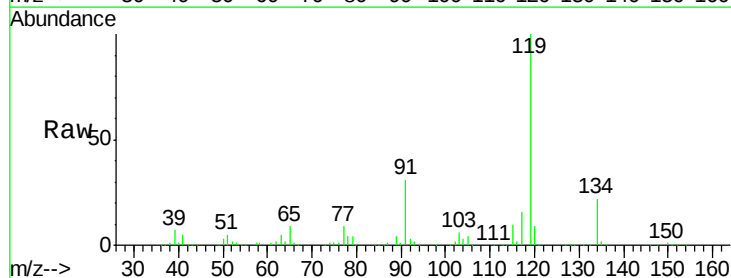
Tgt Ion:119 Resp: 471903

Ion Ratio Lower Upper

119 100

134 21.6 10.8 32.3

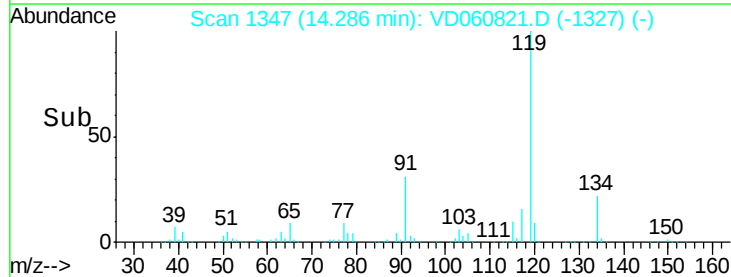
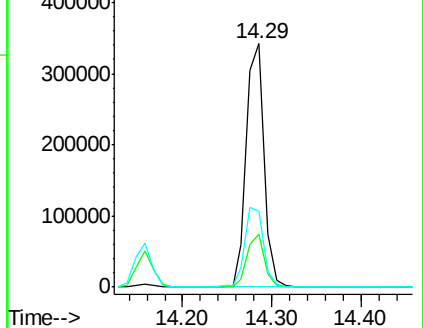
91 31.3 16.7 50.0

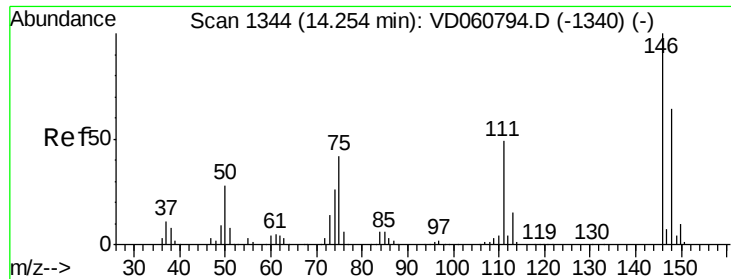


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





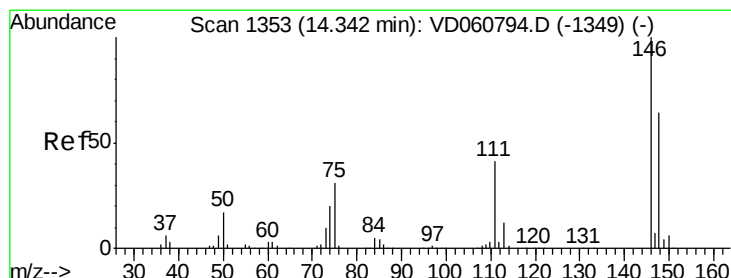
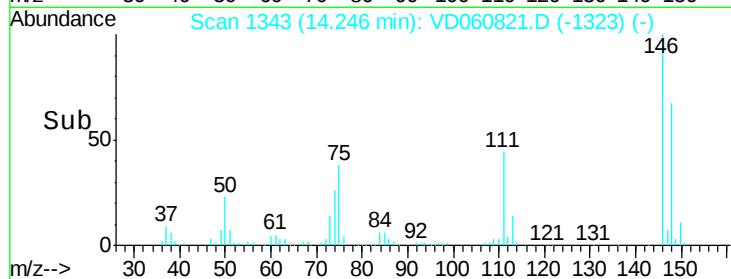
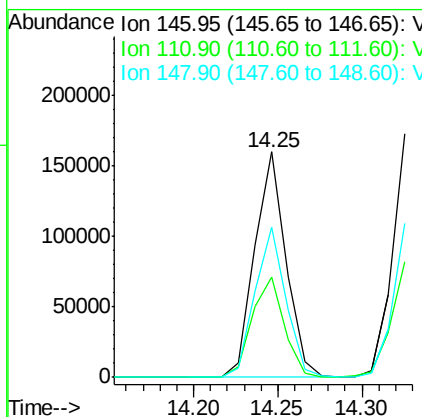
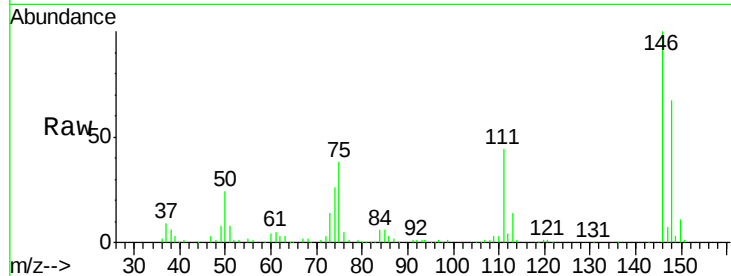
#87
 1,3-Dichlorobenzene
 Concen: 41.509 ug/l
 RT: 14.25 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMS

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	24.3	73.0
148	66.8	32.1	96.5

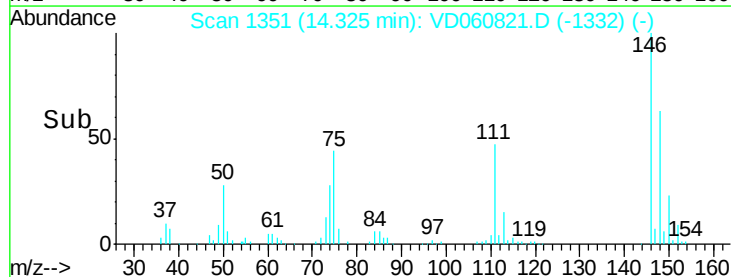
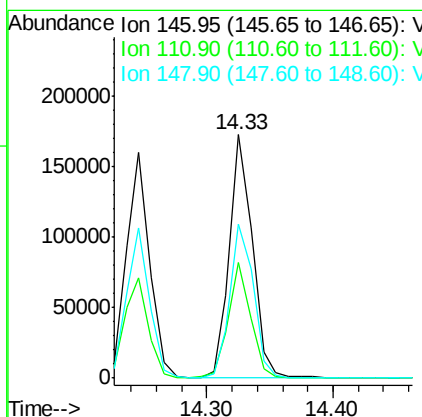
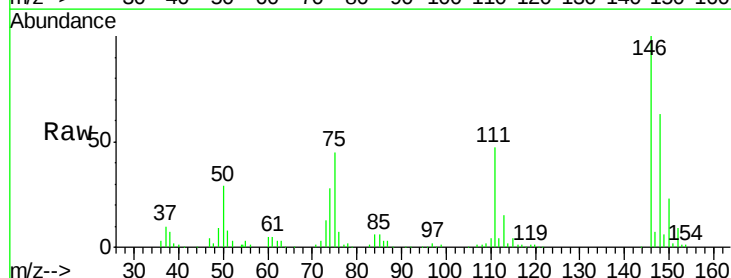
Manual Integrations
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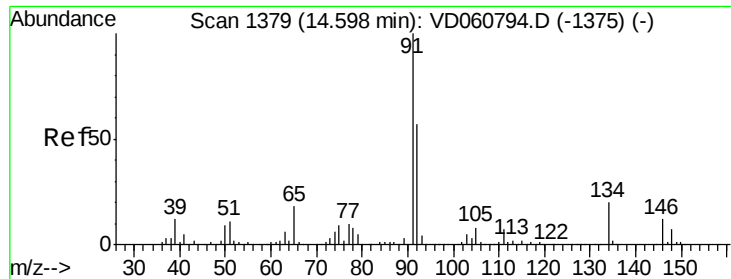
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#88
 1,4-Dichlorobenzene
 Concen: 45.435 ug/l
 RT: 14.33 min Scan# 1351
 Delta R.T. -0.02 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.4	20.6	61.8
148	63.3	31.9	95.7





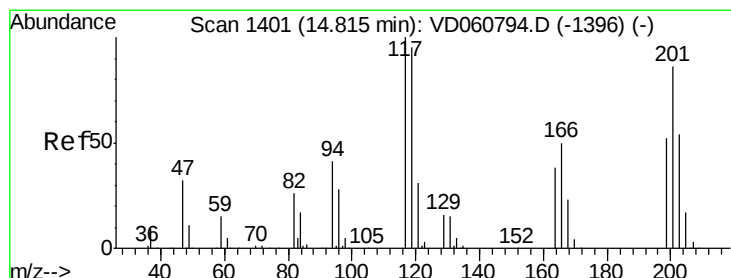
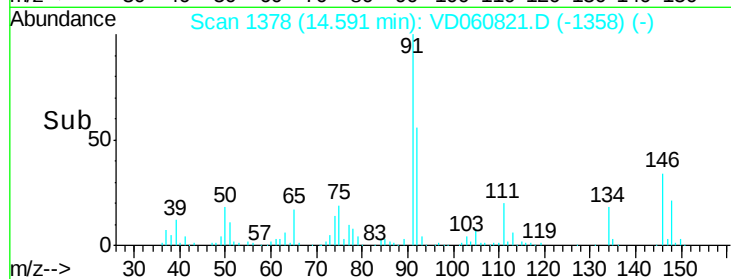
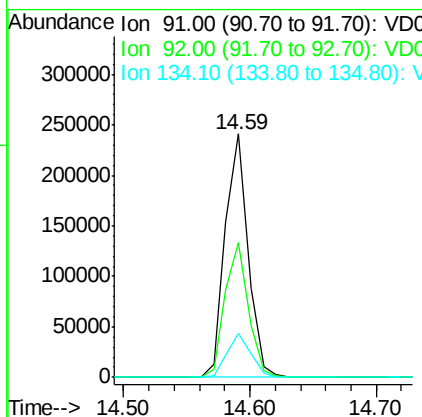
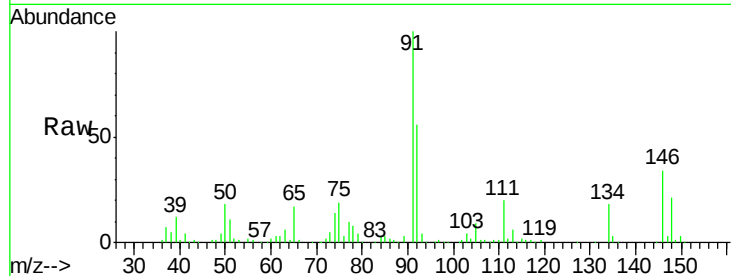
#89
n-Butylbenzene
Concen: 32.332 ug/l
RT: 14.59 min Scan# 1378
Delta R.T. -0.01 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	28.5	85.5
134	18.1	10.0	29.8

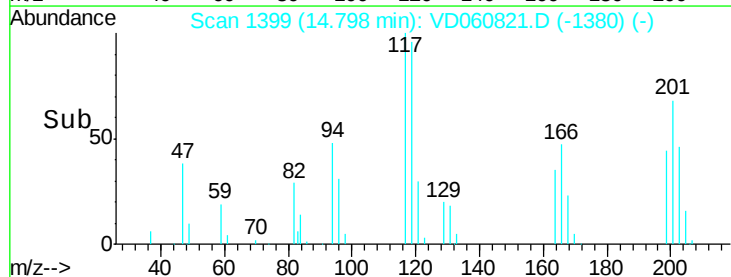
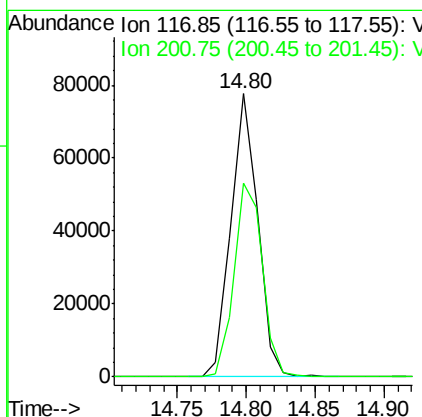
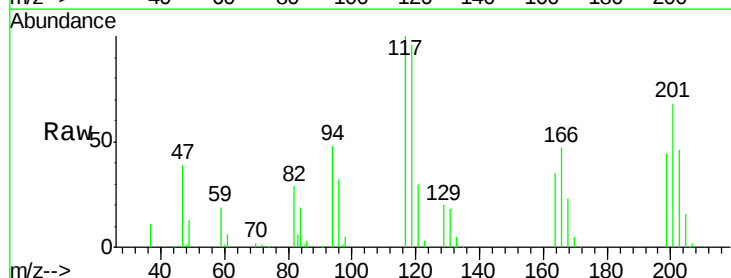
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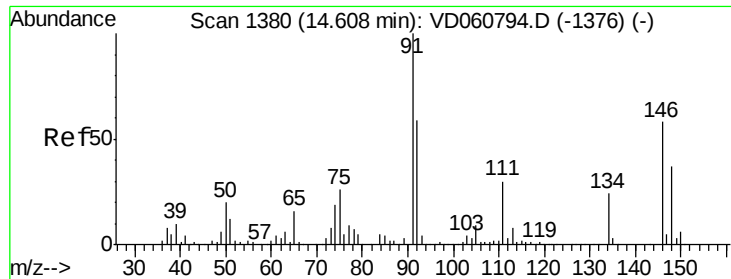
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#90
Hexachloroethane
Concen: 39.321 ug/l
RT: 14.80 min Scan# 1399
Delta R.T. -0.02 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.4	43.0	128.8





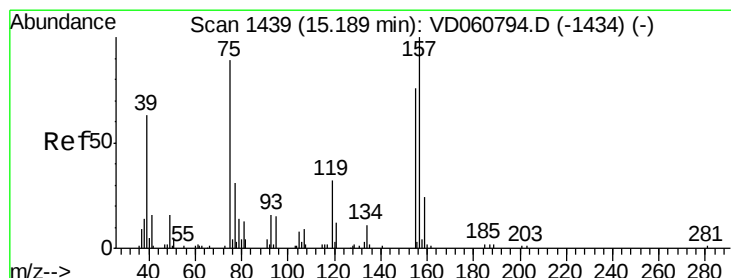
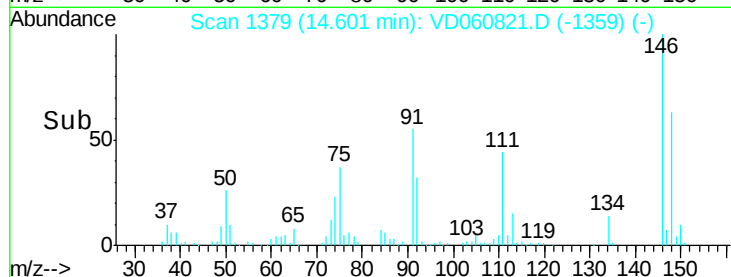
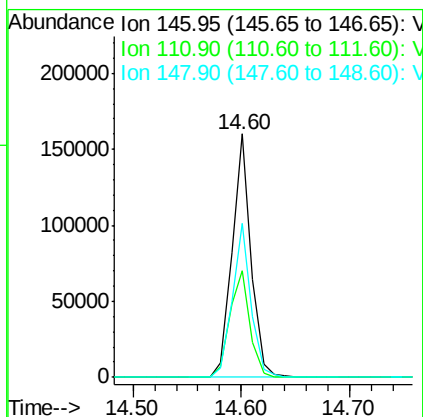
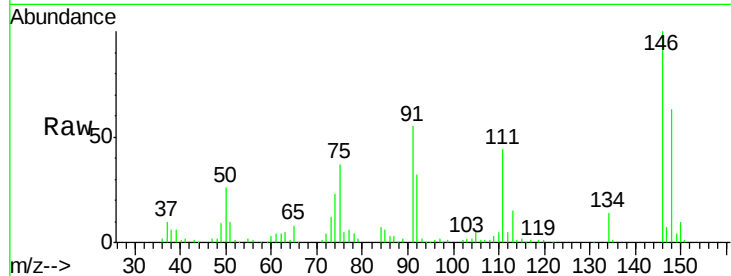
#91
 1,2-Dichlorobenzene
 Concen: 47.265 ug/l
 RT: 14.60 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMS

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	25.6	76.8
148	63.2	31.4	94.3

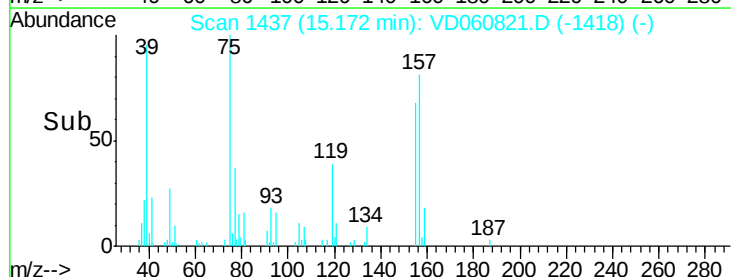
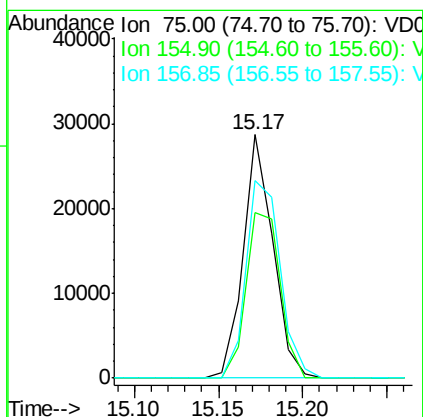
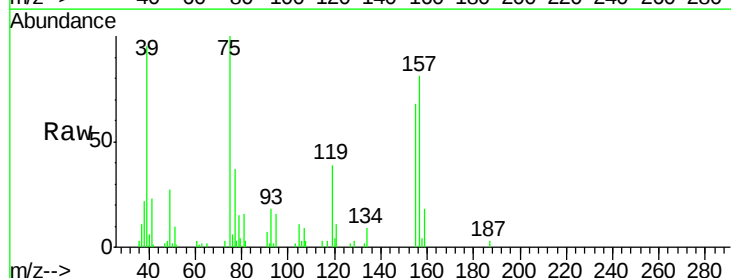
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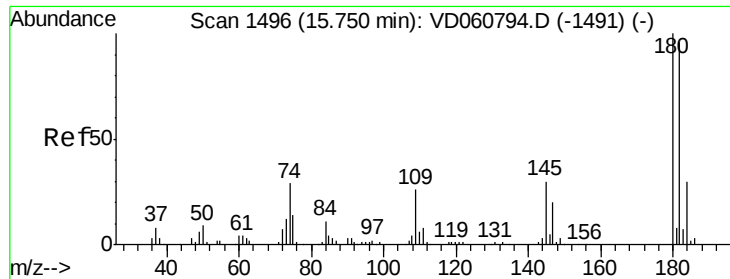
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 75.204 ug/l
 RT: 15.17 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.0	43.0	129.0
157	81.2	56.3	168.9





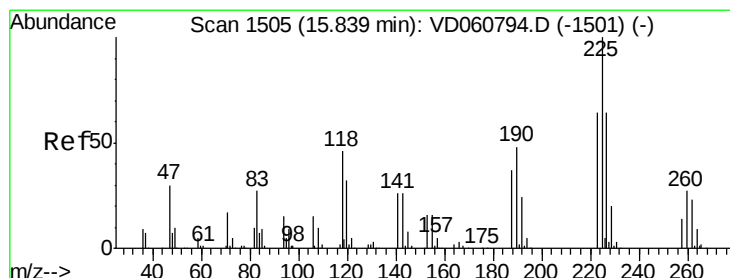
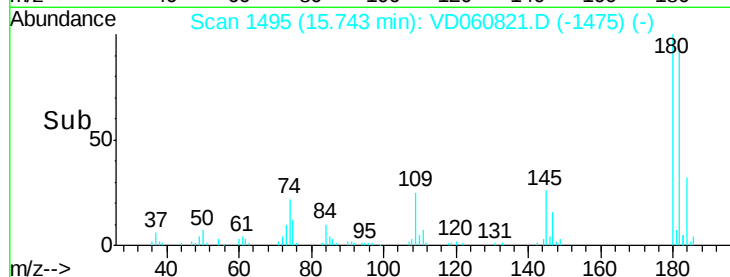
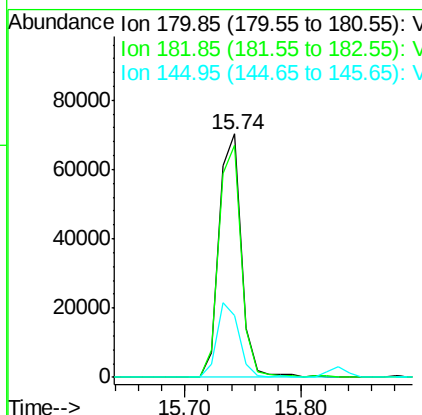
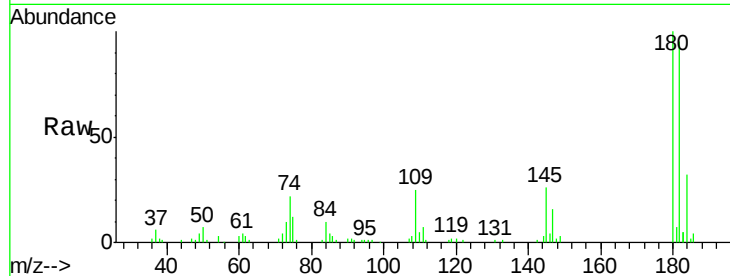
#93
 1,2,4-Trichlorobenzene
 Concen: 26.074 ug/l
 RT: 15.74 min Scan# 1495
 Delta R.T. -0.01 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 A0C17-SSIMS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	92908		
182	95.3	47.9	143.7	
145	25.6	15.0	45.1	

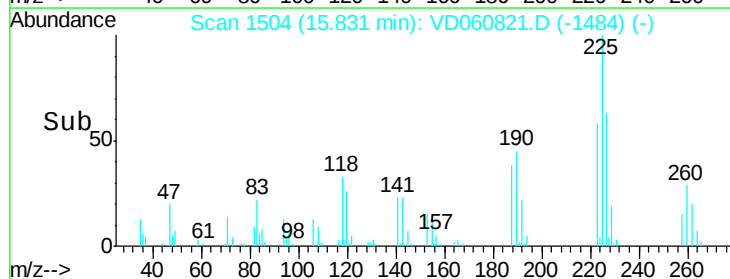
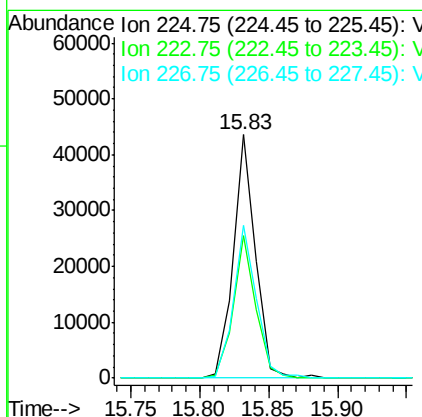
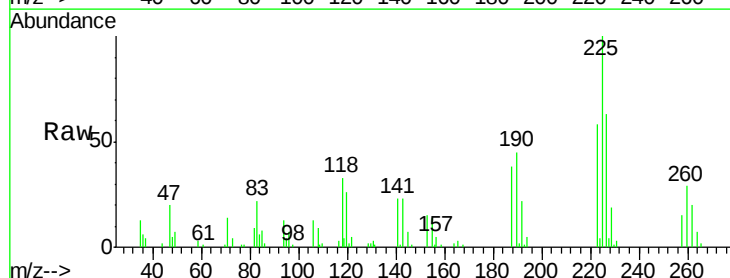
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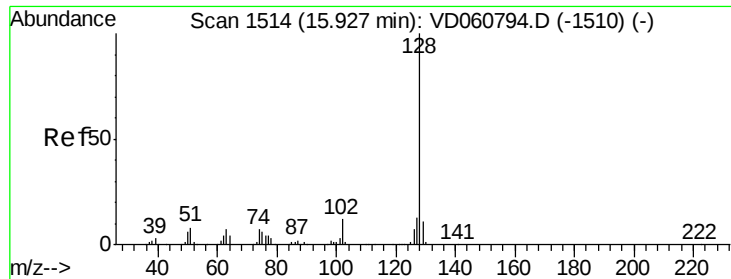
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#94
 Hexachlorobutadiene
 Concen: 18.048 ug/l
 RT: 15.83 min Scan# 1504
 Delta R.T. -0.01 min
 Lab File: VD060821.D
 Acq: 1 Feb 2019 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48253		
223	58.3	31.8	95.4	
227	62.6	31.9	95.5	





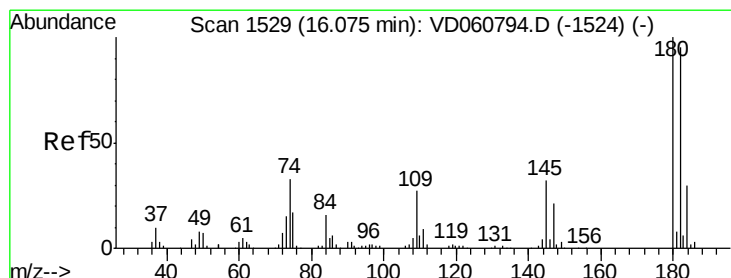
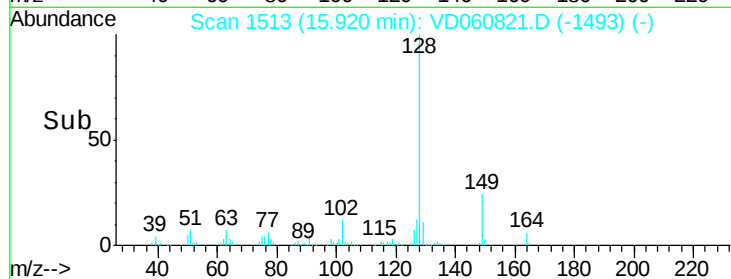
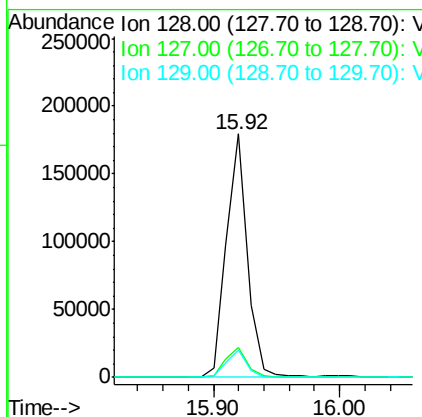
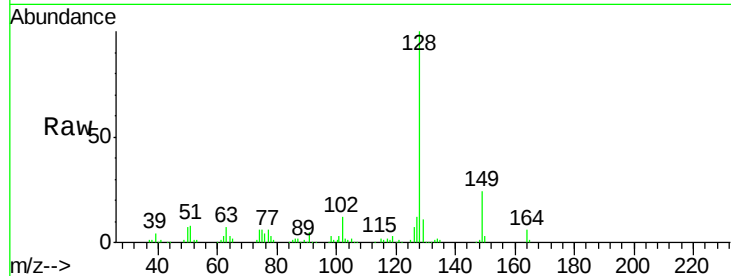
#95
Naphthalene
Concen: 37.782 ug/l
RT: 15.92 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Instrument :
MSVOA_D
ClientSampleId :
A0C17-SSIMS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	206846		
127	12.0		10.4	15.6
129	11.3		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 24.266 ug/l
RT: 16.07 min Scan# 1528
Delta R.T. -0.01 min
Lab File: VD060821.D
Acq: 1 Feb 2019 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	75187		
182	103.7		47.4	142.3
145	33.8		15.8	47.4

