

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060814.D
 Acq On : 1 Feb 2019 12:49
 Operator : VA/AP
 Sample : VD0201SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 4:42:48 PM

Quant Time: Feb 02 01:03:03 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	463483	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.94	114	673522	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.14	117	545712	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.30	152	261244	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.18	65	408781	57.53	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	115.06%	
35) Dibromofluoromethane	6.65	113	337805	52.30	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.60%	
50) Toluene-d8	10.16	98	761424	50.48	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	13.34	95	370596	48.88	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	106677	18.931	ug/l	100
3) Chloromethane	1.74	50	68574	20.325	ug/l	98
4) Vinyl Chloride	1.83	62	74044	20.675	ug/l	99
5) Bromomethane	2.12	94	24394	21.563	ug/l	99
6) Chloroethane	2.22	64	23565	16.583	ug/l	90
7) Trichlorofluoromethane	2.46	101	167397	23.745	ug/l	94
8) Diethyl Ether	2.78	74	23374	22.501	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.03	101	85626	23.967	ug/l	96
10) Methyl Iodide	3.19	142	75375	20.151	ug/l	97
11) Tert butyl alcohol	3.91	59	27975	82.384	ug/l #	87
12) 1,1-Dichloroethene	3.02	96	56345	23.079	ug/l	96
13) Acrolein	2.93	56	18712	150.268	ug/l #	79
14) Allyl chloride	3.48	41	127835	22.500	ug/l #	94
15) Acrylonitrile	4.02	53	66855	87.869	ug/l	96
16) Acetone	3.10	43	107685	104.927	ug/l	99
17) Carbon Disulfide	3.25	76	191569	22.151	ug/l	100
18) Methyl Acetate	3.49	43	40148	19.734	ug/l	96
19) Methyl tert-butyl Ether	4.05	73	230190	20.652	ug/l	95
20) Methylene Chloride	3.65	84	89968	16.841	ug/l	95
21) trans-1,2-Dichloroethene	4.02	96	83981	19.513	ug/l	94
22) Diisopropyl ether	4.85	45	268722	18.354	ug/l	90
23) Vinyl Acetate	4.79	43	841142	99.765	ug/l	99
24) 1,1-Dichloroethane	4.73	63	199125	20.776	ug/l	97
25) 2-Butanone	5.80	43	123033	93.661	ug/l	93
26) 2,2-Dichloropropane	5.75	77	211552	20.948	ug/l	97
27) cis-1,2-Dichloroethene	5.76	96	91173	18.600	ug/l	94
28) Bromochloromethane	6.16	49	75683	20.242	ug/l	86
29) Tetrahydrofuran	6.18	42	57469	91.103	ug/l	98
30) Chloroform	6.38	83	232049	20.484	ug/l	98
31) Cyclohexane	6.68	56	126900	19.460	ug/l	100
32) 1,1,1-Trichloroethane	6.59	97	242760	22.253	ug/l	93
36) 1,1-Dichloropropene	6.87	75	165000	20.518	ug/l	96
37) Ethyl Acetate	5.91	43	64671	18.015	ug/l	96
38) Carbon Tetrachloride	6.83	117	210430	20.868	ug/l	98

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Quant Time: Feb 02 01:03:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.59	83	127180	18.885	ug/l	95
40) Benzene	7.18	78	300396	18.927	ug/l	99
41) Methacrylonitrile	6.16	41	34517m	15.140	ug/l	
42) 1,2-Dichloroethane	7.31	62	196818	21.346	ug/l	96
43) Isopropyl Acetate	8.98	43	85641	18.291	ug/l	95
44) Trichloroethene	8.27	130	101816	18.923	ug/l	90
45) 1,2-Dichloropropane	8.67	63	74557	17.353	ug/l	99
46) Dibromomethane	8.79	93	65802	19.729	ug/l #	83
47) Bromodichloromethane	9.11	83	180200	20.016	ug/l	96
48) Methyl methacrylate	8.85	41	59992	18.581	ug/l	92
49) 1,4-Dioxane	8.82	88	8717	334.023	ug/l #	81
51) 4-Methyl-2-Pentanone	10.05	43	279938	92.327	ug/l	99
52) Toluene	10.26	92	185732	18.448	ug/l	98
53) t-1,3-Dichloropropene	10.66	75	159476	20.139	ug/l	99
54) cis-1,3-Dichloropropene	9.79	75	155977	19.208	ug/l	94
55) 1,1,2-Trichloroethane	10.95	97	60452	17.611	ug/l	97
56) Ethyl methacrylate	10.79	69	76462	18.388	ug/l	95
57) 1,3-Dichloropropane	11.16	76	104066	17.739	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.60	63	205407	94.148	ug/l	95
59) 2-Hexanone	11.29	43	210375	92.279	ug/l	93
60) Dibromochloromethane	11.45	129	117861	19.099	ug/l	96
61) 1,2-Dibromoethane	11.57	107	74077	18.325	ug/l	96
64) Tetrachloroethene	11.01	164	89573	17.885	ug/l	95
65) Chlorobenzene	12.17	112	237427	19.039	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.29	131	102802	19.187	ug/l	99
67) Ethyl Benzene	12.30	91	437633	19.516	ug/l	98
68) m/p-Xylenes	12.44	106	278023	38.107	ug/l	95
69) o-Xylene	12.83	106	134875	18.678	ug/l	83
70) Styrene	12.85	104	217366	17.951	ug/l	92
71) Bromoform	13.01	173	73246	18.145	ug/l	92
73) Isopropylbenzene	13.18	105	452597	21.729	ug/l	98
74) N-amyl acetate	13.04	43	117734	18.386	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.49	83	72161	19.027	ug/l	96
76) 1,2,3-Trichloropropane	13.52	75	93537	19.525	ug/l	99
77) Bromobenzene	13.45	156	111603	20.844	ug/l	88
78) n-propylbenzene	13.56	91	572509	21.895	ug/l	95
79) 2-Chlorotoluene	13.63	91	357789	22.434	ug/l	97
80) 1,3,5-Trimethylbenzene	14.03	105	387920	21.633	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.26	75	20225	16.194	ug/l	96
82) 4-Chlorotoluene	13.73	91	365852	20.640	ug/l	97
83) tert-Butylbenzene	13.98	119	418212	22.292	ug/l	90
84) 1,2,4-Trimethylbenzene	14.03	105	387920	21.633	ug/l	96
85) sec-Butylbenzene	14.16	105	474887	22.237	ug/l	97
86) p-Isopropyltoluene	14.27	119	394486	22.752	ug/l	99
87) 1,3-Dichlorobenzene	14.25	146	207013	21.616	ug/l	97
88) 1,4-Dichlorobenzene	14.32	146	183851	19.758	ug/l	97
89) n-Butylbenzene	14.59	91	368400	20.365	ug/l	97
90) Hexachloroethane	14.80	117	107933	20.919	ug/l	84
91) 1,2-Dichlorobenzene	14.60	146	153389	19.296	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.17	75	17280	19.178	ug/l	66

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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)
93) 1,2,4-Trichlorobenzene	15.74	180	155198	22.548	ug/l	98
94) Hexachlorobutadiene	15.83	225	113736	22.023	ug/l	99
95) Naphthalene	15.92	128	201085	19.014	ug/l	98
96) 1,2,3-Trichlorobenzene	16.07	180	118197	19.748	ug/l	99

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

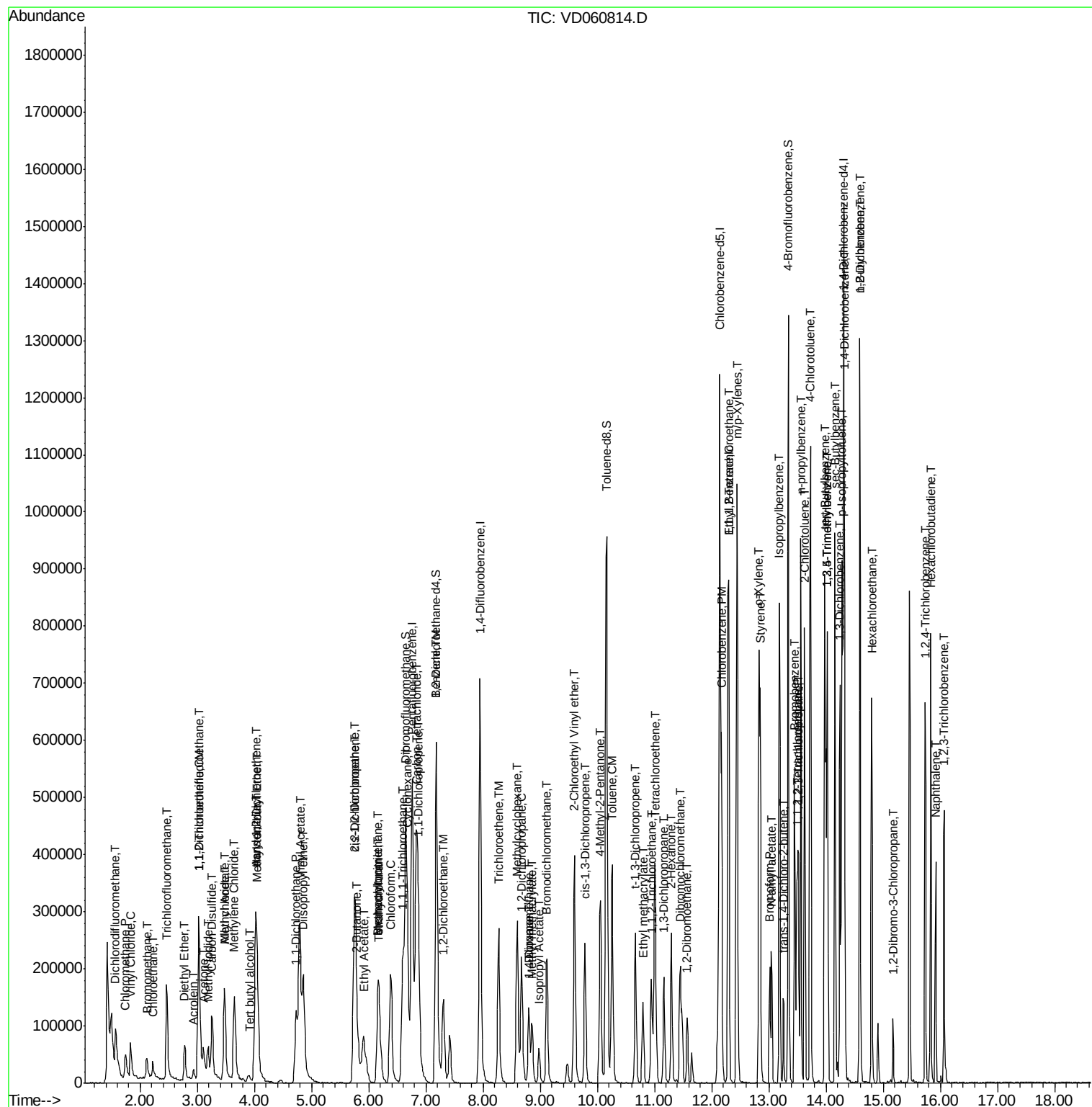
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020119\
Data File : VD060814.D
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Operator : VA/AP
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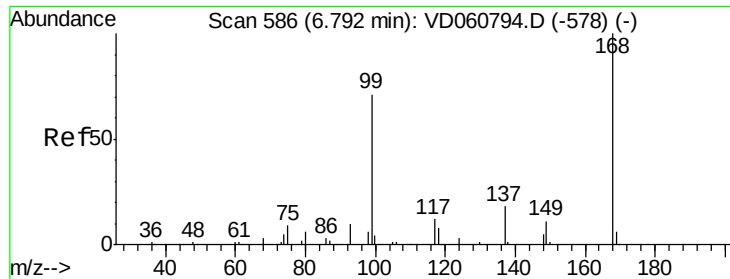
Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.76 min Scan# 583

Delta R.T. -0.03 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

Tot Ion:168 Resp: 463483

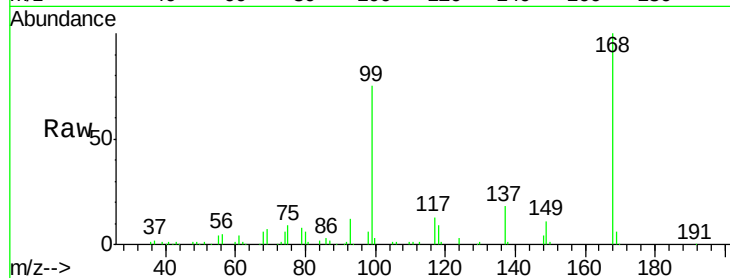
Ion Ratio Lower Upper

168 100

99 75.2 59.2 88.8

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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

150000

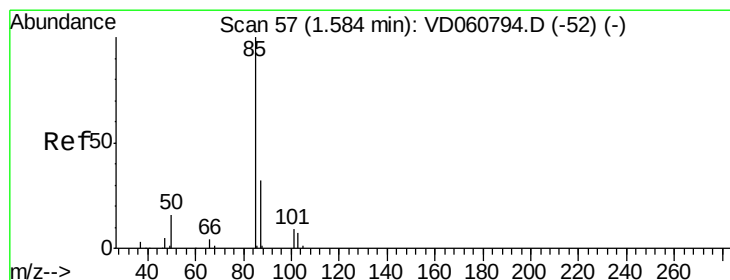
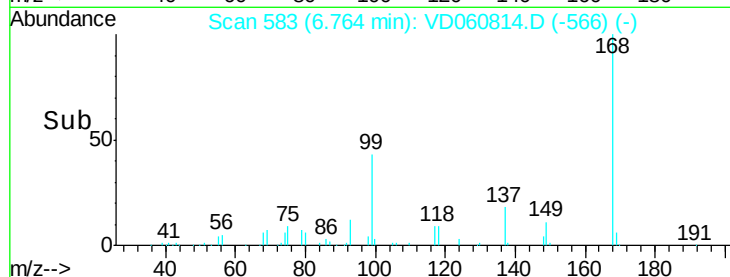
100000

50000

0

Time-->

6.60 6.70 6.80 6.90 7.00



#2

Dichlorodifluoromethane

Concen: 18.931 ug/l

RT: 1.58 min Scan# 56

Delta R.T. -0.01 min

Lab File: VD060814.D

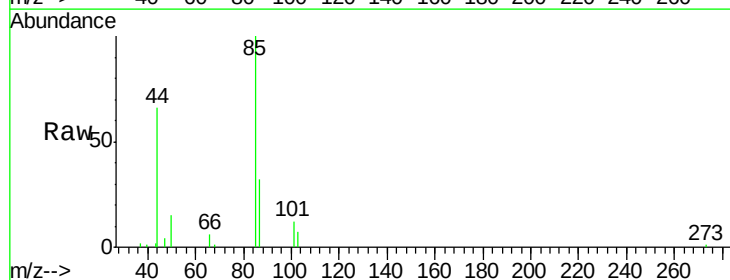
Acq: 1 Feb 2019 12:49

Tgt Ion: 85 Resp: 106677

Ion Ratio Lower Upper

85 100

87 32.2 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

30000

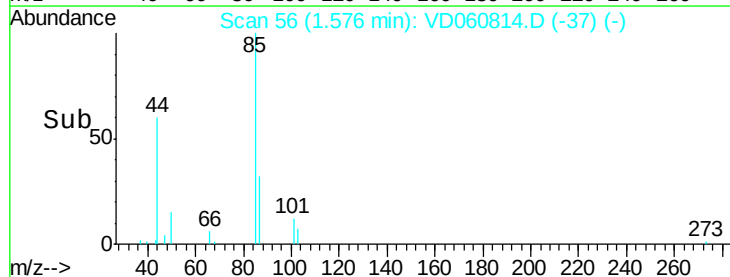
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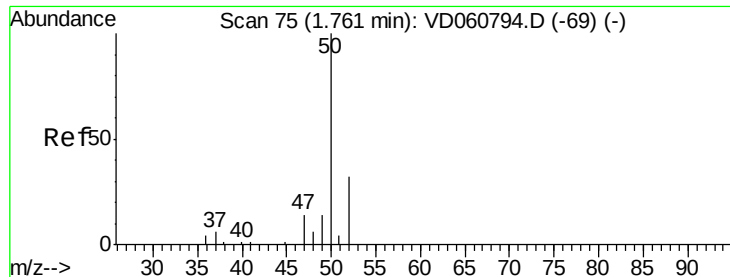
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Time-->

1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 20.325 ug/l

RT: 1.74 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

Tot Ion: 50 Resp: 68574

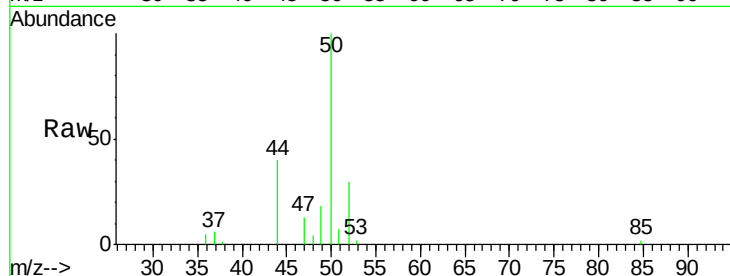
Ion Ratio Lower Upper

50 100

52 30.3 25.2 37.8

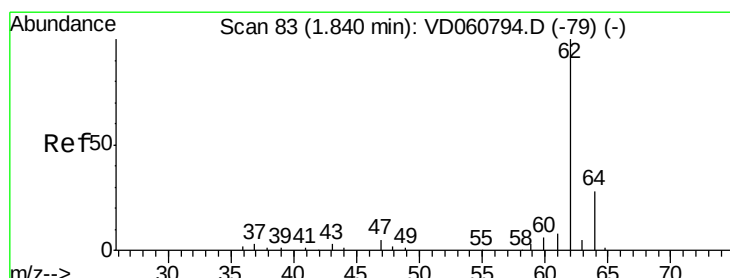
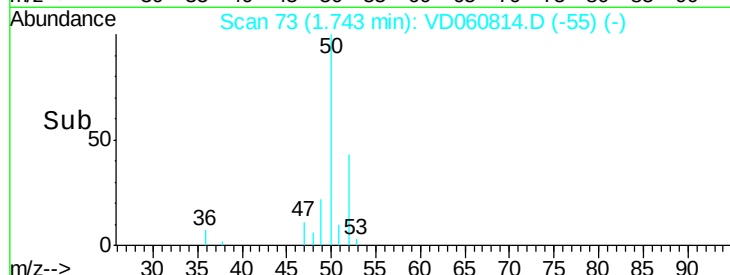
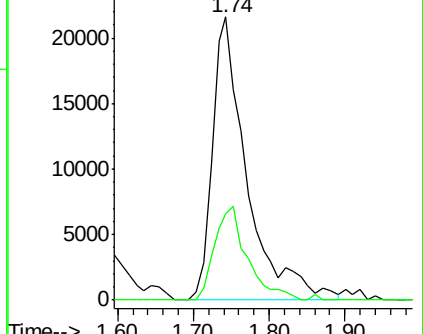
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.675 ug/l

RT: 1.83 min Scan# 82

Delta R.T. -0.01 min

Lab File: VD060814.D

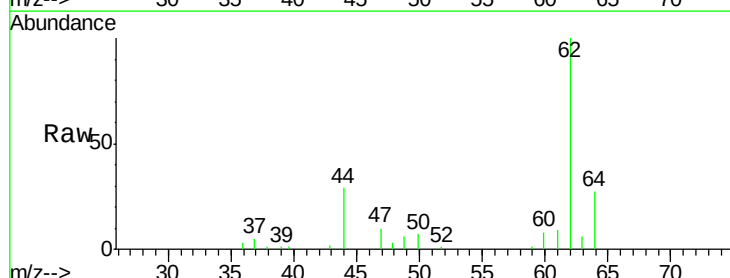
Acq: 1 Feb 2019 12:49

Tgt Ion: 62 Resp: 74044

Ion Ratio Lower Upper

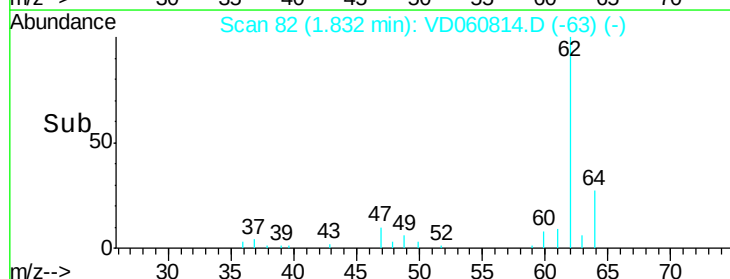
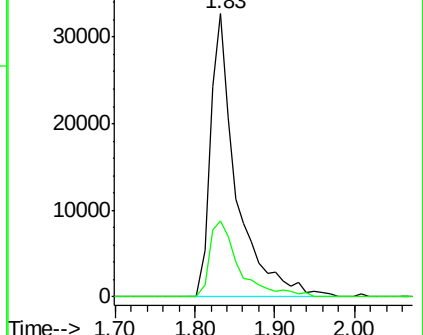
62 100

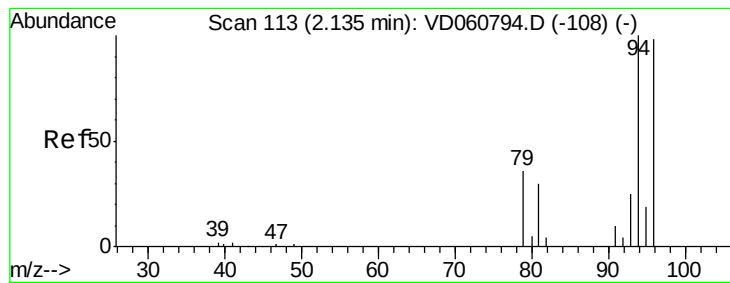
64 26.9 22.1 33.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 21.563 ug/l

RT: 2.12 min Scan# 111

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

Tot Ion: 94 Resp: 24394

Ion Ratio Lower Upper

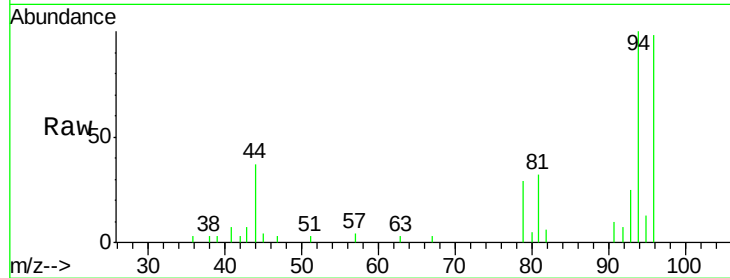
94 100

96 98.2 78.0 117.0

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

12000

10000

8000

6000

4000

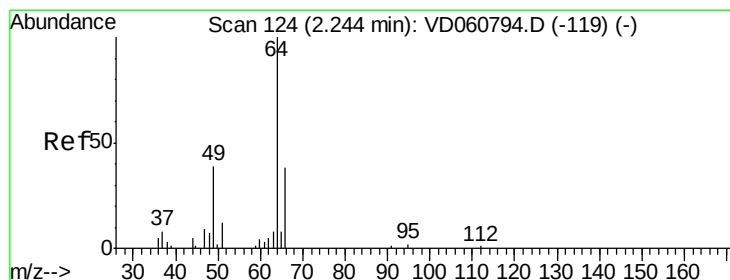
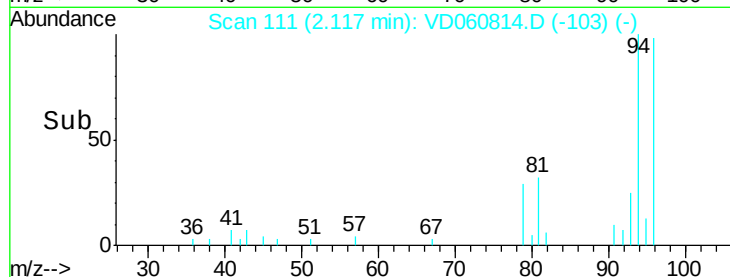
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Time-->

2.05 2.10 2.15 2.20

2.12



#6

Chloroethane

Concen: 16.583 ug/l

RT: 2.22 min Scan# 121

Delta R.T. -0.03 min

Lab File: VD060814.D

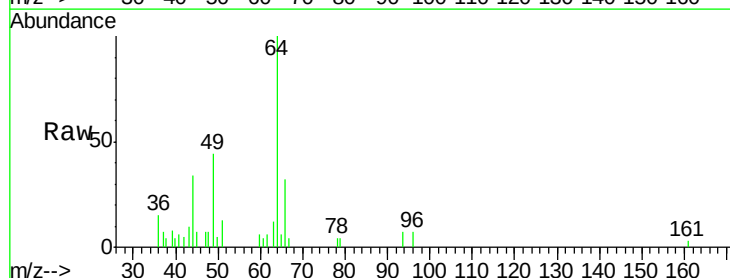
Acq: 1 Feb 2019 12:49

Tgt Ion: 64 Resp: 23565

Ion Ratio Lower Upper

64 100

66 31.6 30.2 45.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

12000

10000

8000

6000

4000

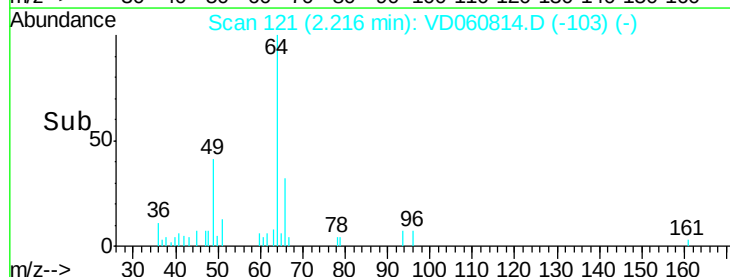
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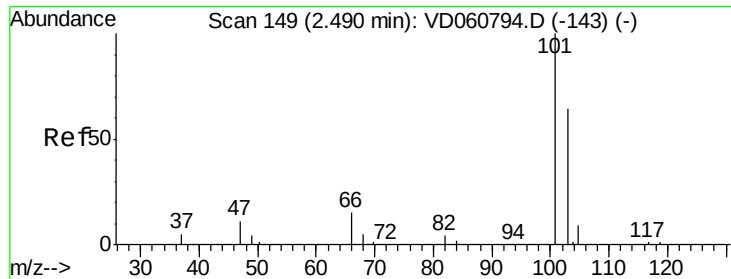
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Time-->

2.15 2.20 2.25 2.30

2.22





#7

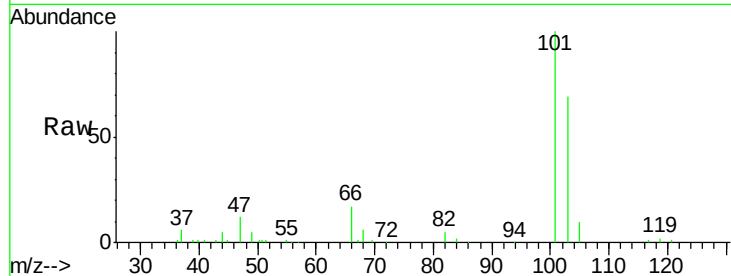
Trichlorofluoromethane
Concen: 23.745 ug/l
RT: 2.46 min Scan# 146
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

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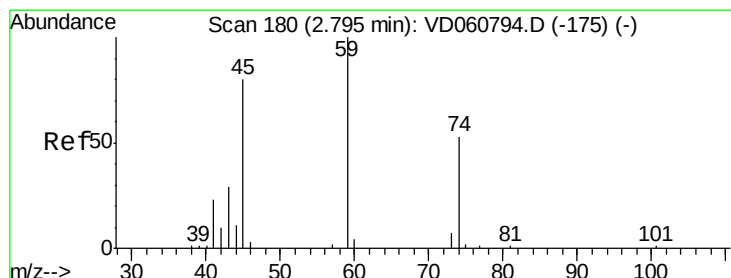
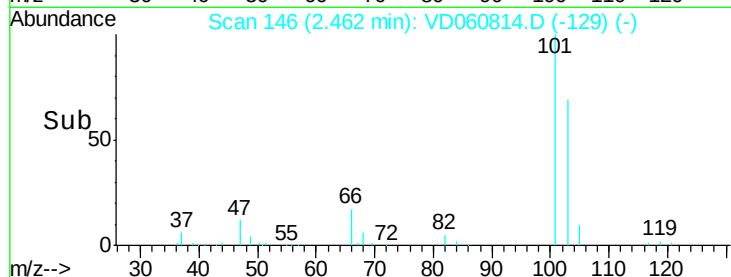
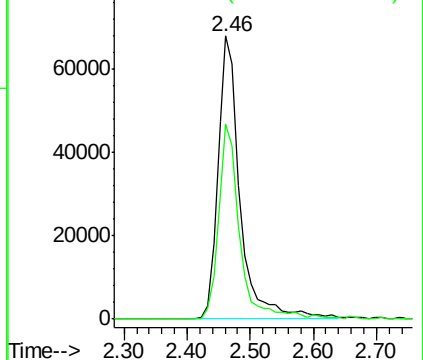
Tot Ion	Ratio	Resp	Lower	Upper
101	100	167397		
103	68.9	51.3	76.9	

Manual Integrations
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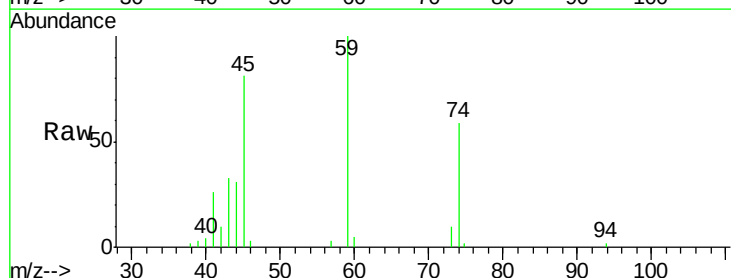
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



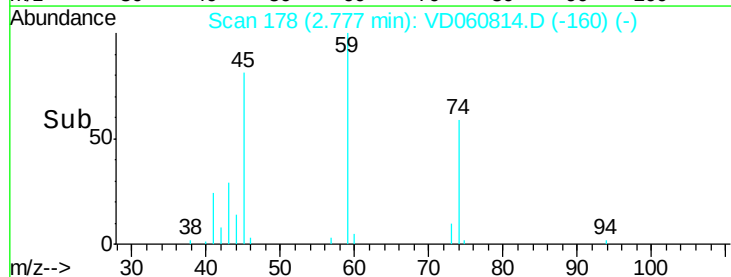
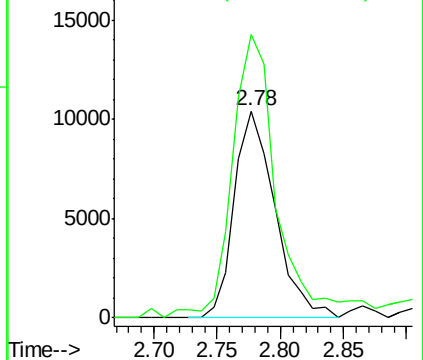
#8

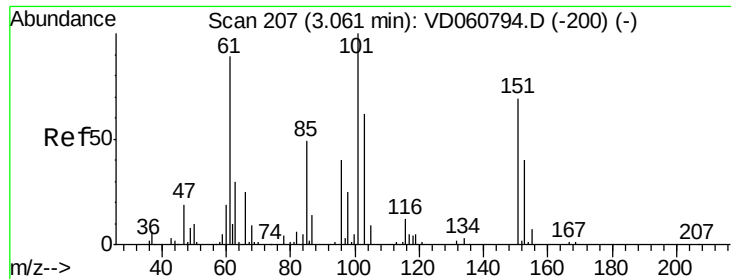
Diethyl Ether
Concen: 22.501 ug/l
RT: 2.78 min Scan# 178
Delta R.T. -0.02 min
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	23374		
45	136.7	75.6	226.8	



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.967 ug/l

RT: 3.03 min Scan# 204

Delta R.T. -0.03 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

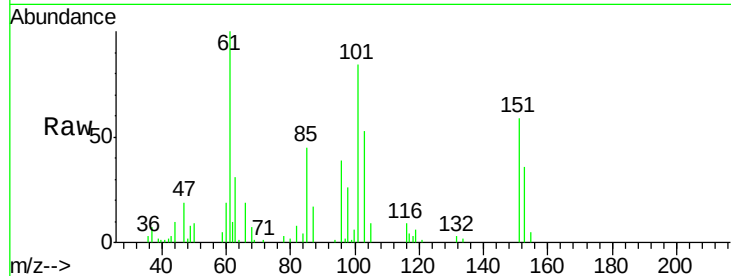
ClientSampleId :

VD0201SBS01

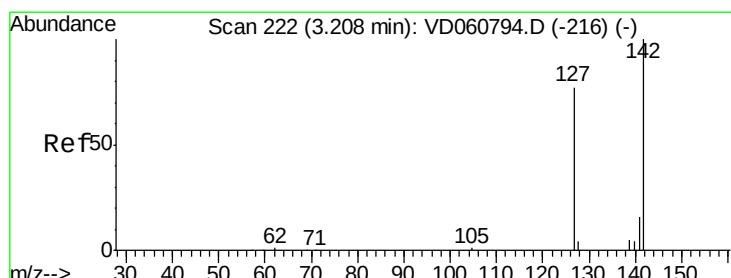
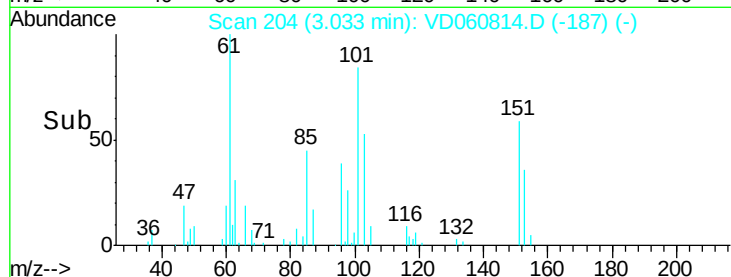
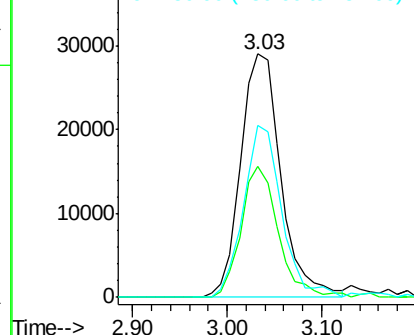
Tot Ion:	101	Resp:	85626
Ion Ratio	Lower	Upper	
101	100		
85	53.8	39.3	58.9
151	70.4	55.1	82.7

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: 20.151 ug/l

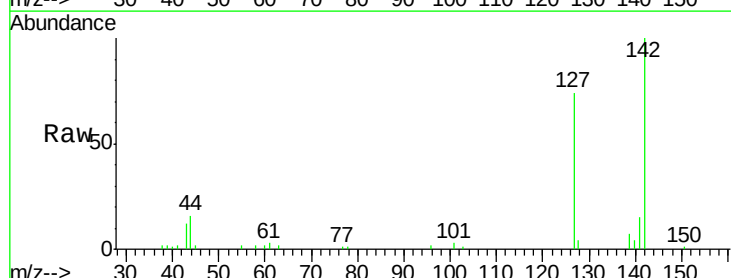
RT: 3.19 min Scan# 220

Delta R.T. -0.02 min

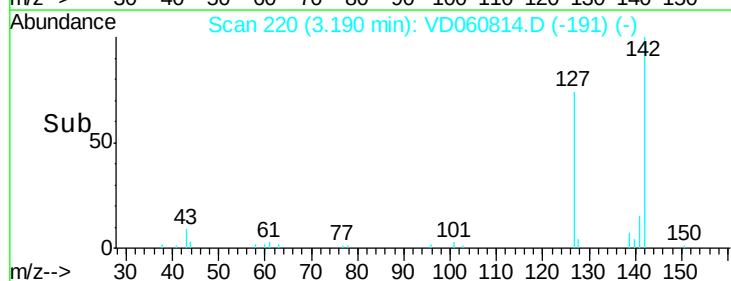
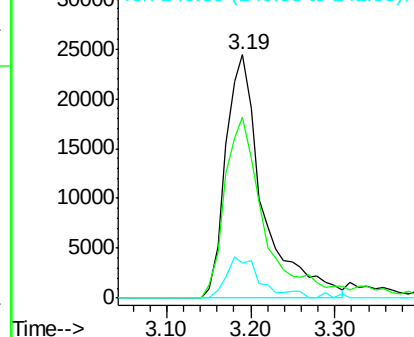
Lab File: VD060814.D

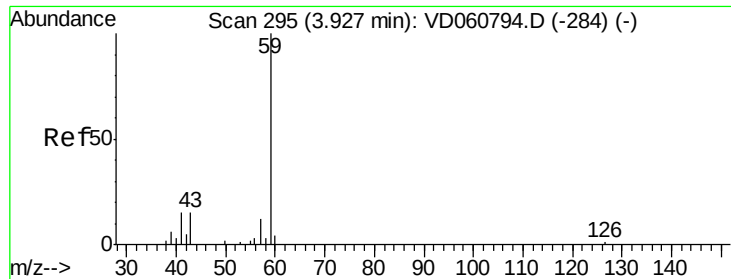
Acq: 1 Feb 2019 12:49

Tgt Ion:	142	Resp:	75375
Ion Ratio	Lower	Upper	
142	100		
127	74.3	61.6	92.4
141	14.6	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

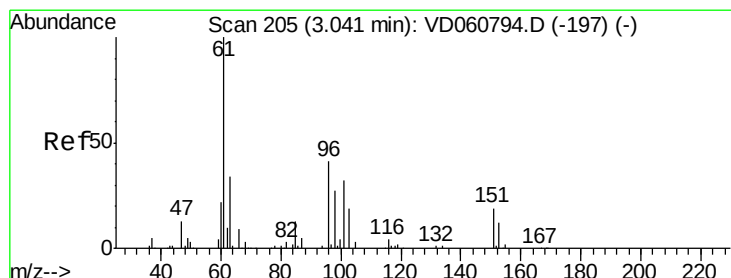
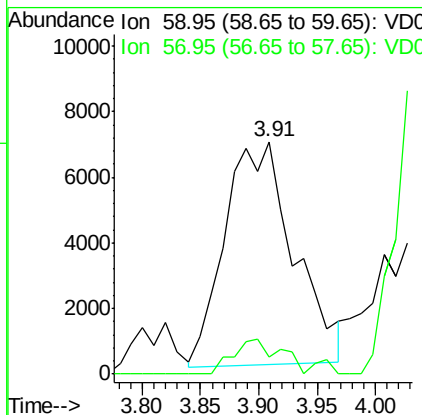
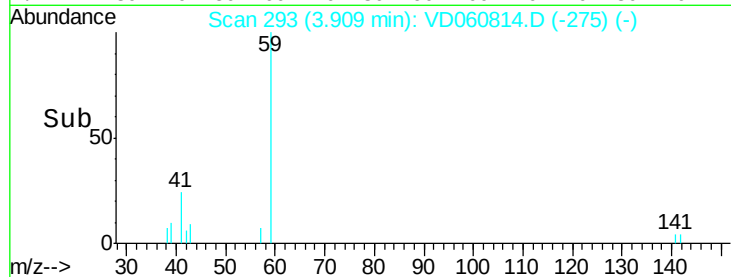
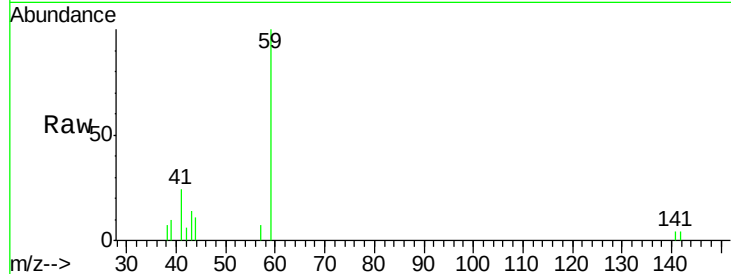
Tert butyl alcohol
 Concen: 82.384 ug/l
 RT: 3.91 min Scan# 293
 Delta R.T. -0.02 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.2	9.8	14.6#

Manual Integrations
 APPROVED

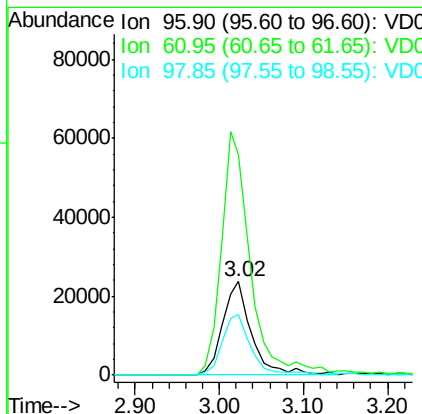
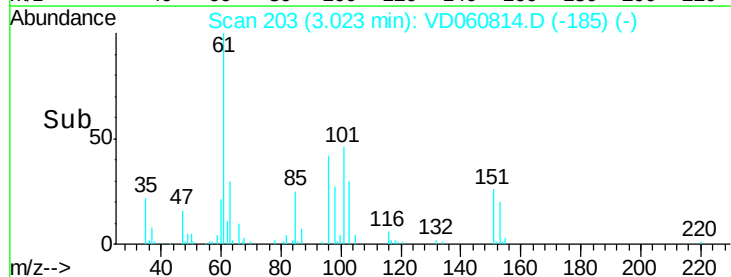
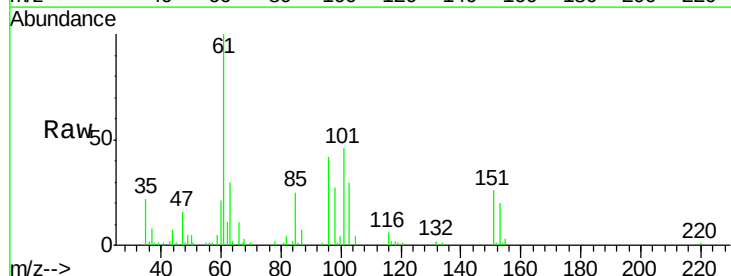
MMDadoda
 2/4/2019 4:42:48 PM

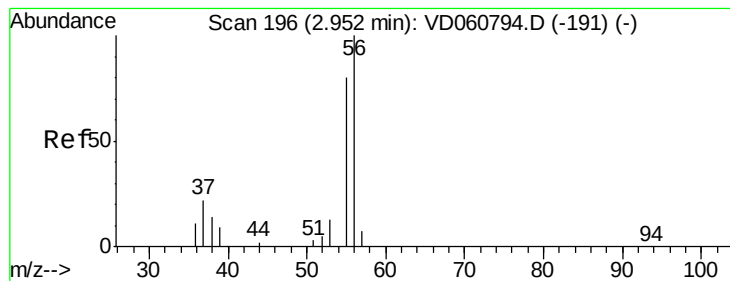


#12

1,1-Dichloroethene
 Concen: 23.079 ug/l
 RT: 3.02 min Scan# 203
 Delta R.T. -0.02 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	236.0	195.1	292.7
98	64.6	52.5	78.7





#13

Acrolein

Concen: 150.268 ug/l

RT: 2.93 min Scan# 194

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

Tot Ion: 56 Resp: 18712

Ion Ratio Lower Upper

56 100

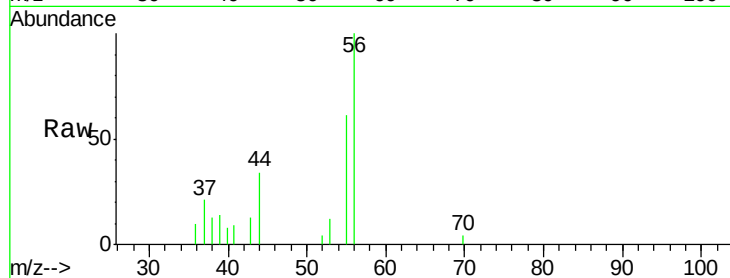
55 61.4 64.2 96.2#

Manual Integrations

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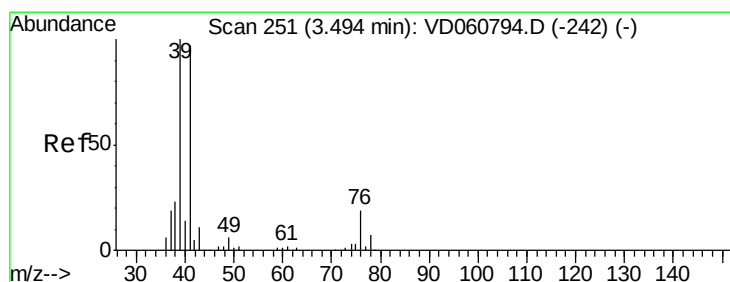
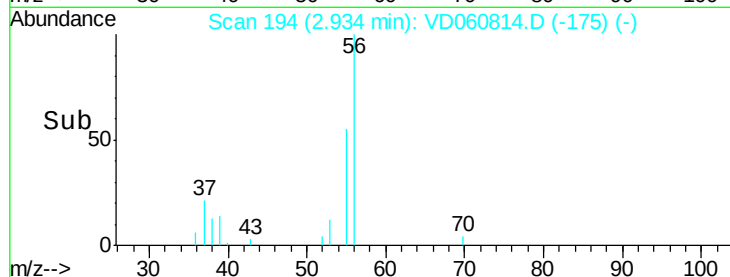
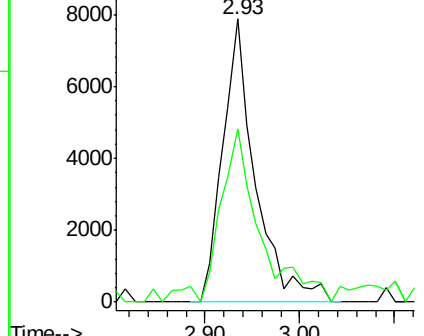
MMDadoda

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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: 22.500 ug/l

RT: 3.48 min Scan# 249

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

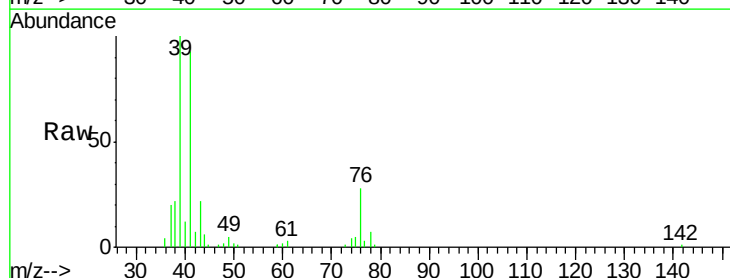
Tgt Ion: 41 Resp: 127835

Ion Ratio Lower Upper

41 100

39 107.3 82.6 123.8

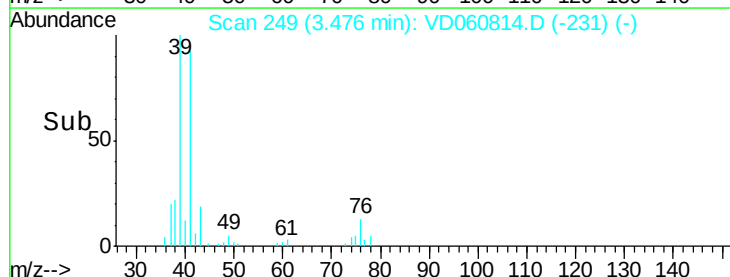
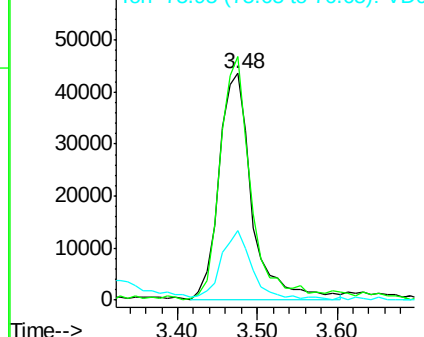
76 30.5 18.9 28.3#

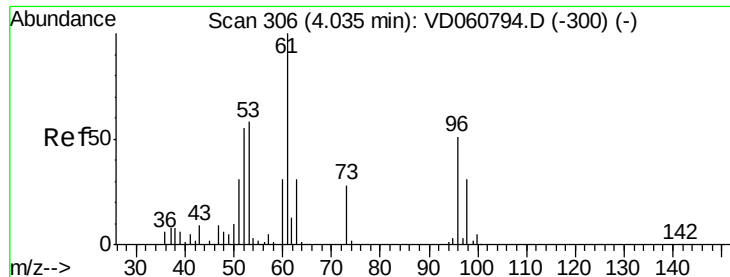


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 87.869 ug/l

RT: 4.02 min Scan# 304

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

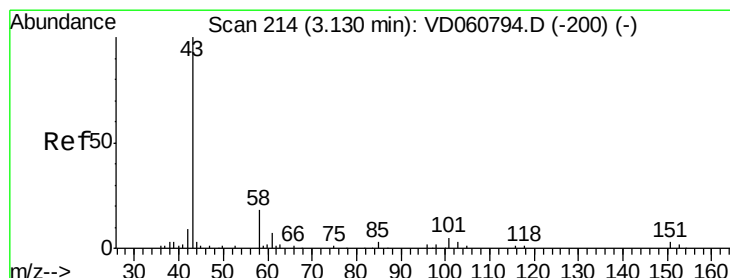
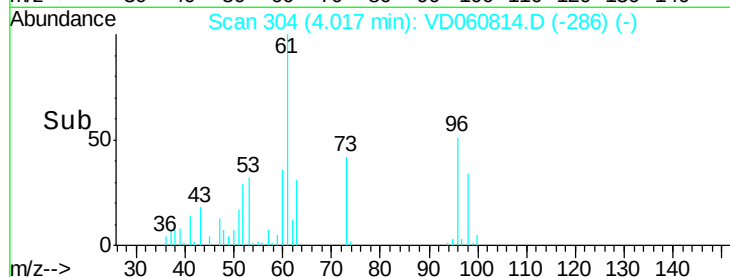
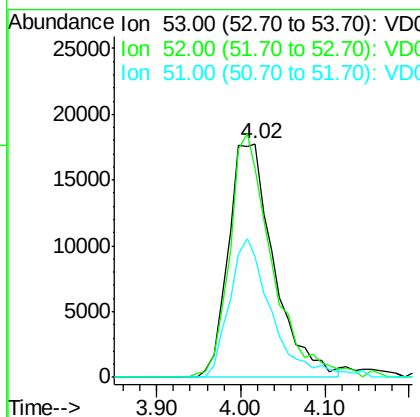
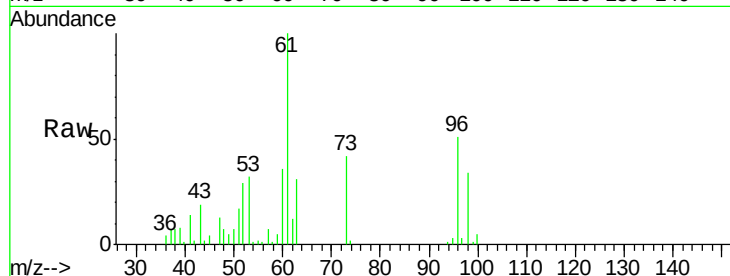
ClientSampleId :

VD0201SBS01

Tot Ion:	53	Resp:	66855
Ion	Ratio	Lower	Upper
53	100		
52	89.6	75.4	113.2
51	51.9	42.5	63.7

Manual Integrations
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#16

Acetone

Concen: 104.927 ug/l

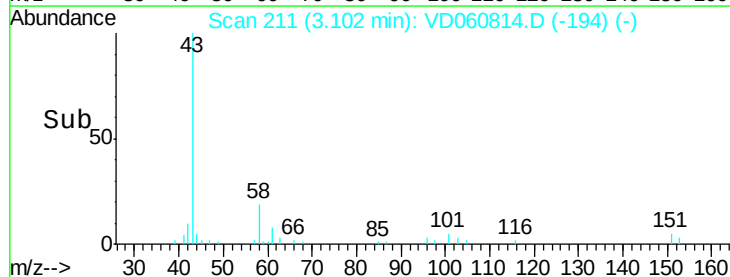
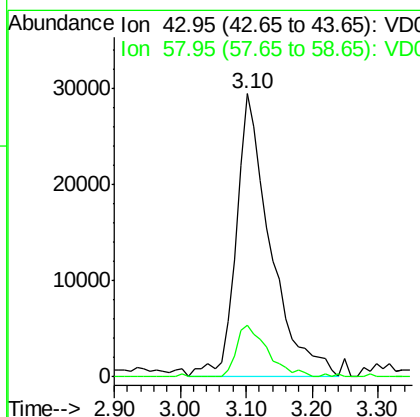
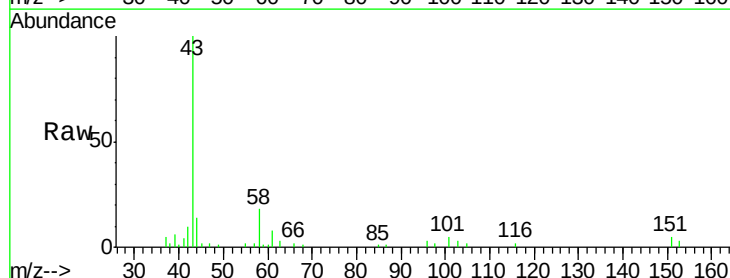
RT: 3.10 min Scan# 211

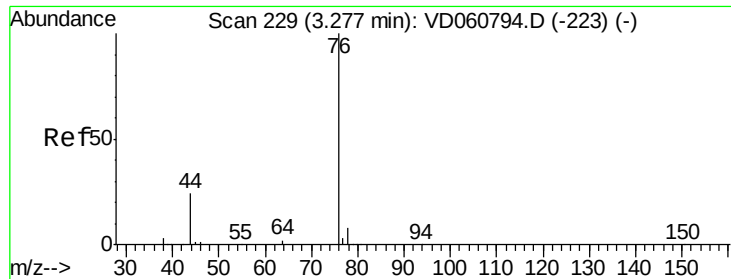
Delta R.T. -0.03 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Tgt Ion:	43	Resp:	107685
Ion	Ratio	Lower	Upper
43	100		
58	18.4	14.5	21.7





#17

Carbon Disulfide

Concen: 22.151 ug/l

RT: 3.25 min Scan# 226

Delta R.T. -0.03 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

Tot Ion: 76 Resp: 191569

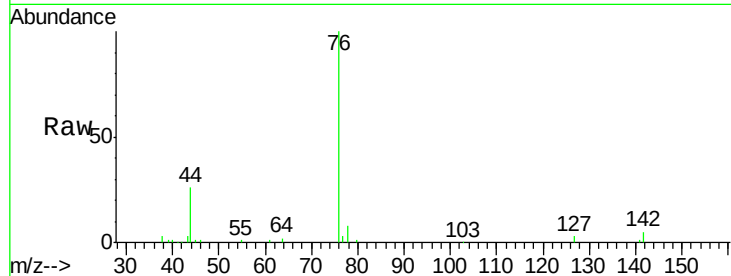
Ion Ratio Lower Upper

76 100

78 8.1 6.5 9.7

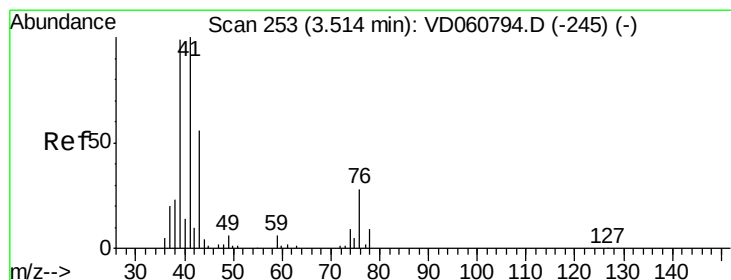
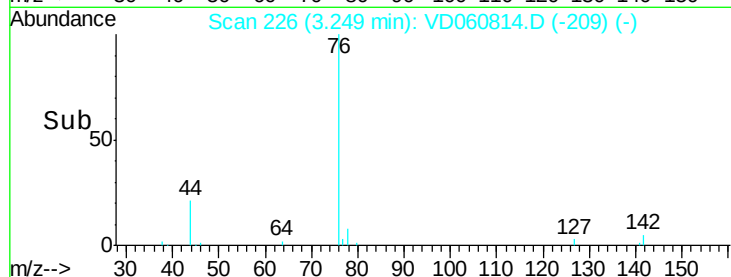
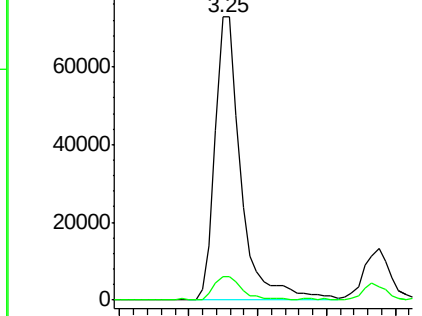
Manual Integrations
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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 19.734 ug/l

RT: 3.49 min Scan# 250

Delta R.T. -0.03 min

Lab File: VD060814.D

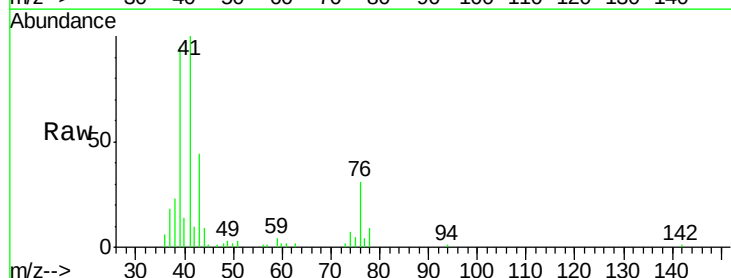
Acq: 1 Feb 2019 12:49

Tgt Ion: 43 Resp: 40148

Ion Ratio Lower Upper

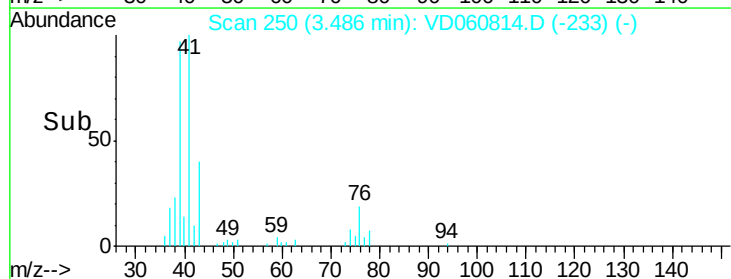
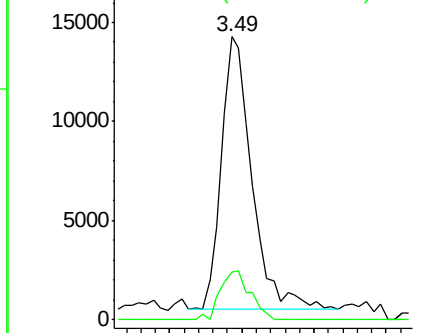
43 100

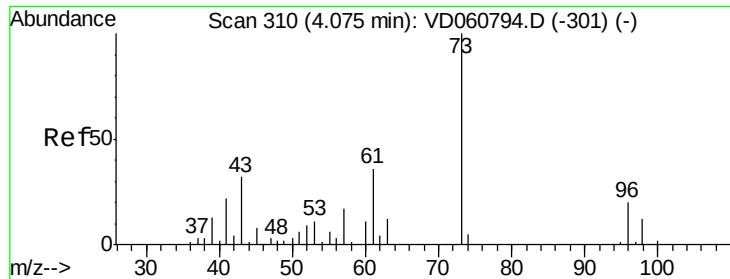
74 17.1 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





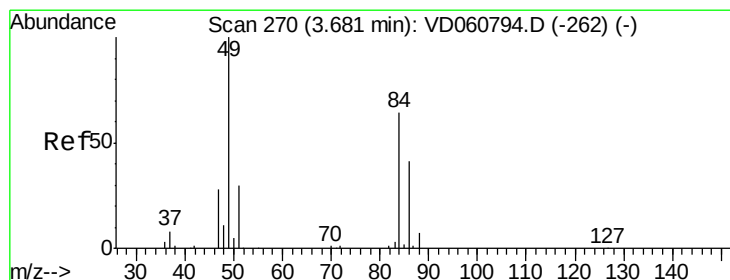
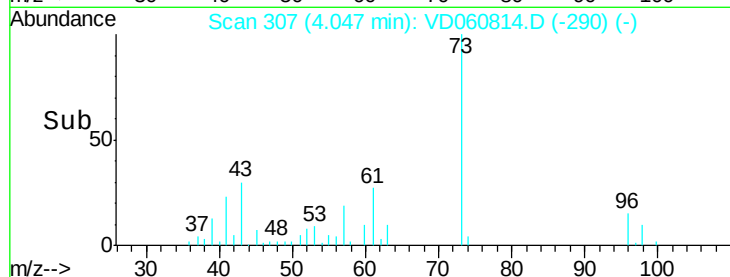
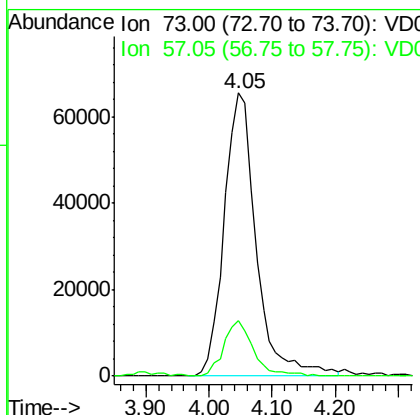
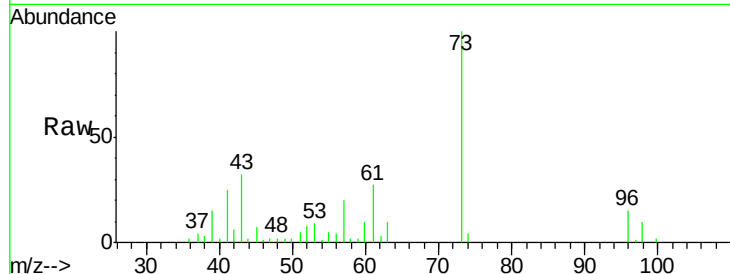
#19
Methyl tert-butyl Ether
Concen: 20.652 ug/l
RT: 4.05 min Scan# 307
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion: 73 Resp: 230190
Ion Ratio Lower Upper
73 100
57 19.7 14.0 21.0

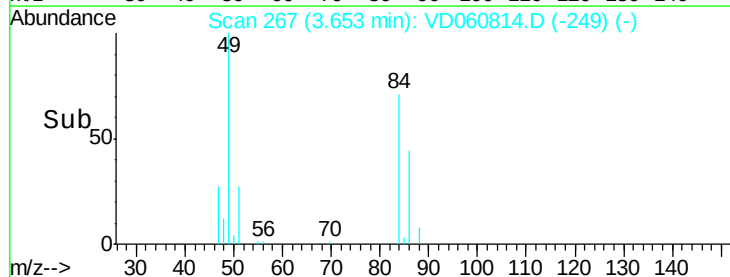
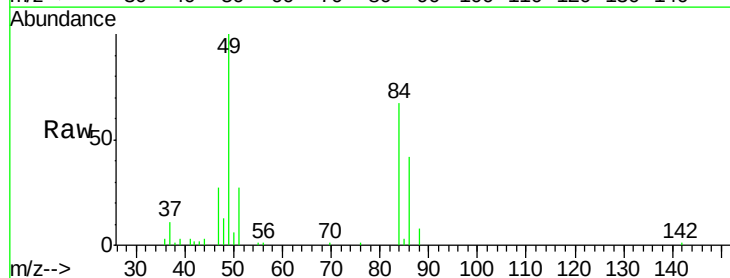
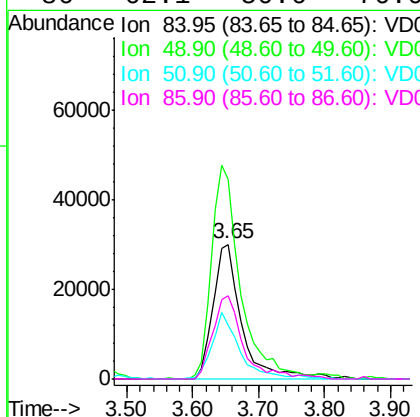
Manual Integrations
APPROVED

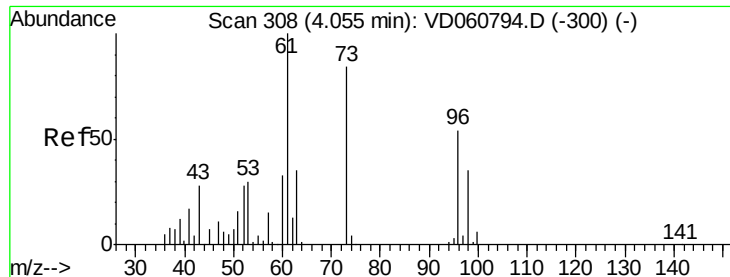
MMDadoda
2/4/2019 4:42:48 PM



#20
Methylene Chloride
Concen: 16.841 ug/l
RT: 3.65 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion: 84 Resp: 89968
Ion Ratio Lower Upper
84 100
49 148.1 124.2 186.2
51 40.5 38.1 57.1
86 62.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.513 ug/l

RT: 4.02 min Scan# 304

Delta R.T. -0.04 min

Lab File: VD060814.D

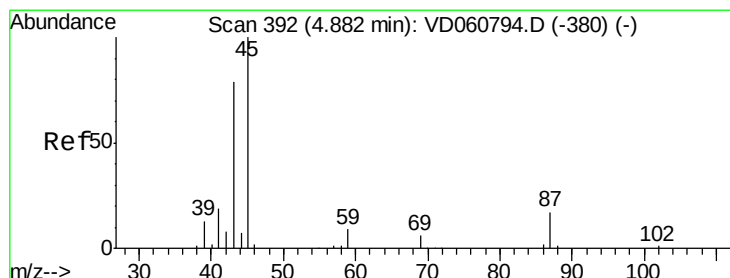
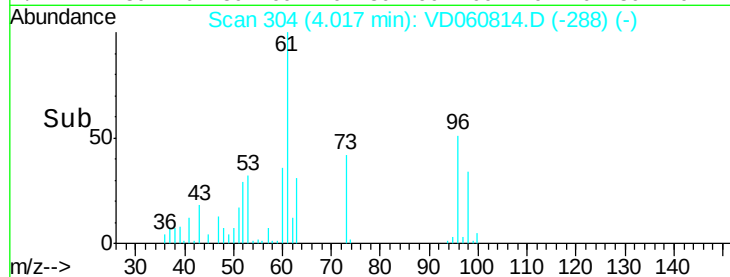
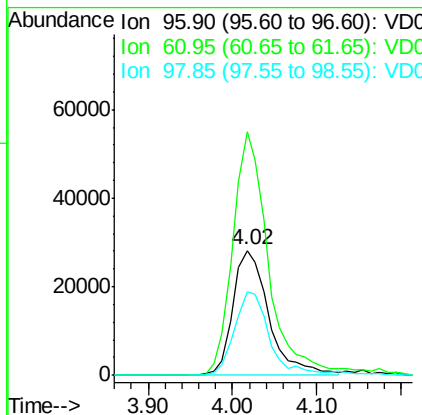
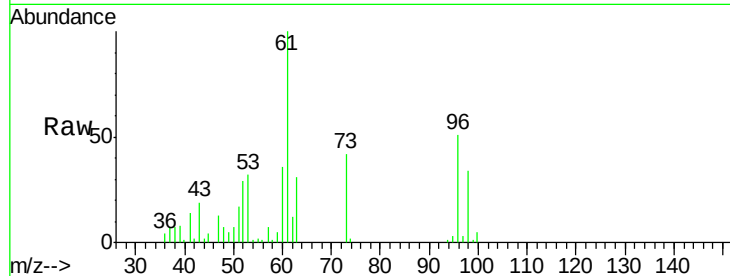
Acq: 1 Feb 2019 12:49

Tot Ion:	96	Resp:	83981
Ion	Ratio	Lower	Upper
96	100		
61	194.5	147.4	221.2
98	66.7	51.5	77.3

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Manual Integrations
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2/4/2019 4:42:48 PM



#22

Diisopropyl ether

Concen: 18.354 ug/l

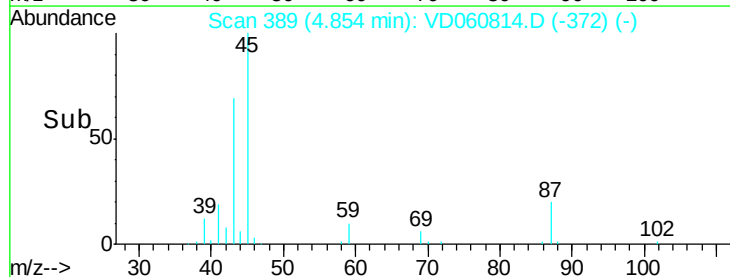
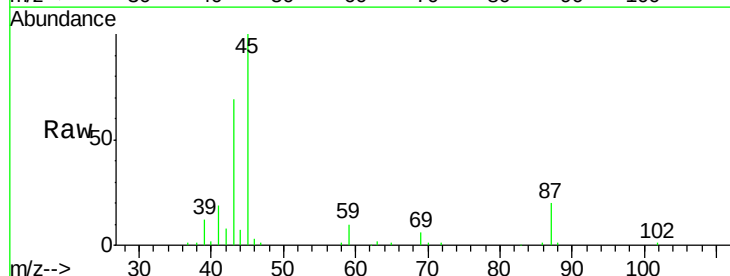
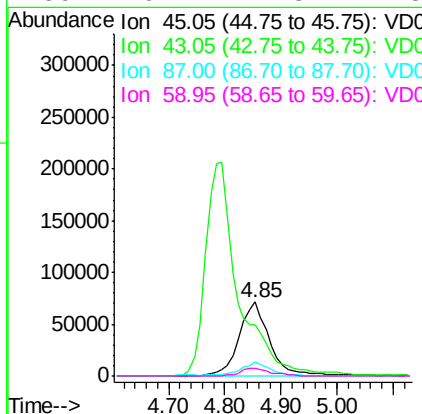
RT: 4.85 min Scan# 389

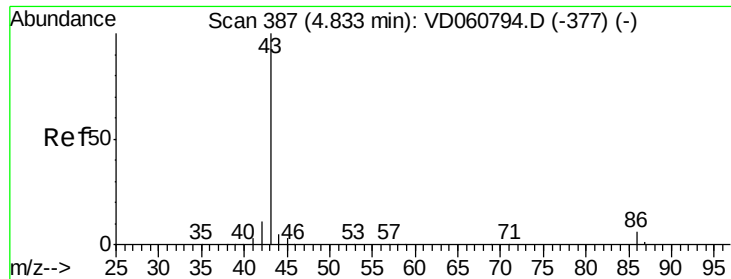
Delta R.T. -0.03 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Tgt Ion:	45	Resp:	268722
Ion	Ratio	Lower	Upper
45	100		
43	69.3	64.3	96.5
87	19.6	14.3	21.5
59	10.1	7.8	11.8





#23

Vinyl Acetate

Concen: 99.765 ug/l

RT: 4.79 min Scan# 383

Delta R.T. -0.04 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

Tot Ion: 43 Resp: 841142

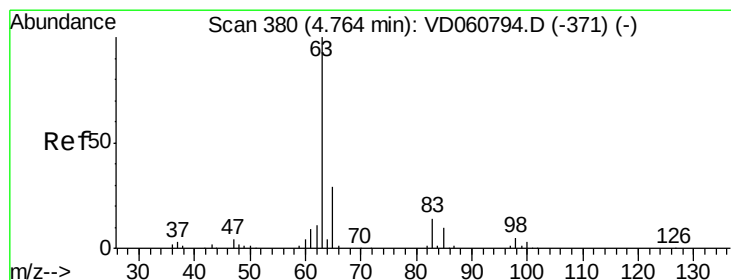
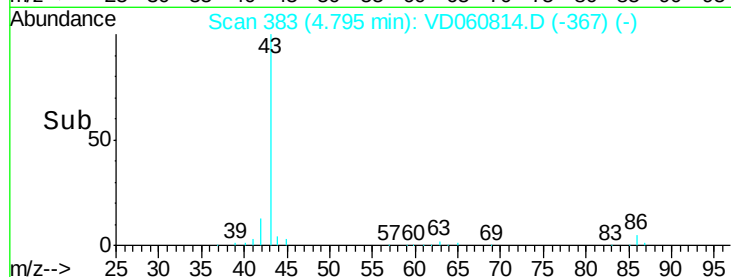
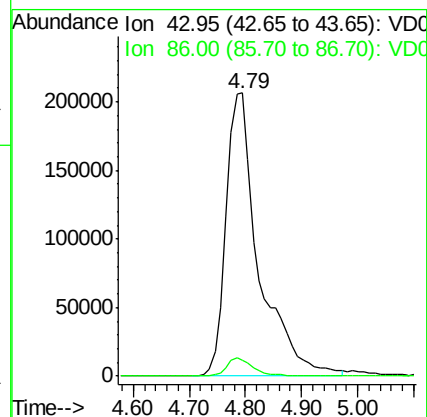
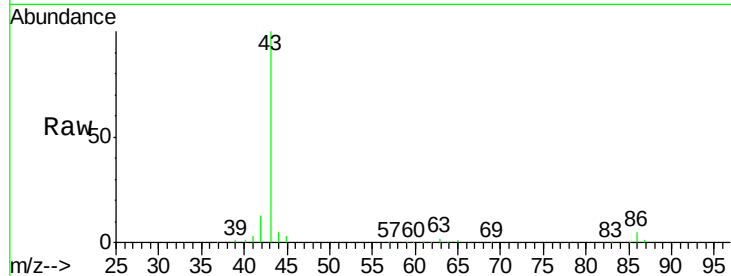
Ion Ratio Lower Upper

43 100

86 5.5 4.7 7.1

Manual Integrations
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2/4/2019 4:42:48 PM



#24

1,1-Dichloroethane

Concen: 20.776 ug/l

RT: 4.73 min Scan# 376

Delta R.T. -0.04 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

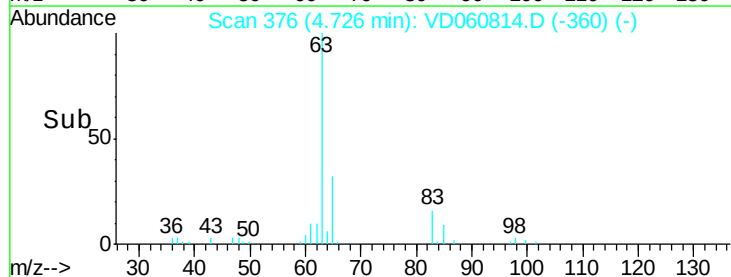
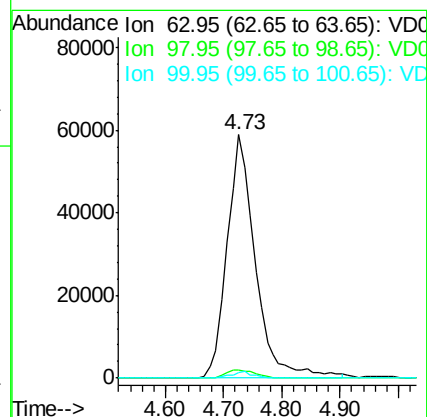
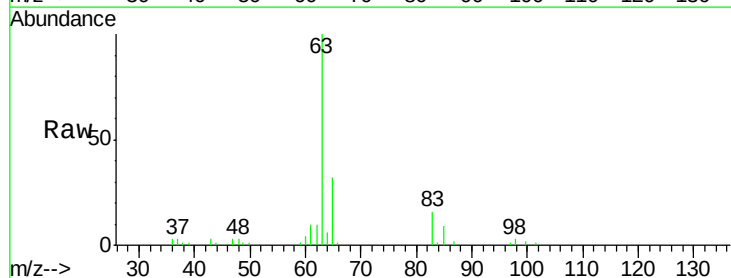
Tgt Ion: 63 Resp: 199125

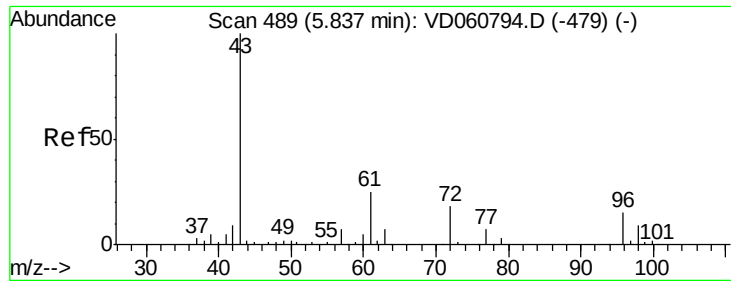
Ion Ratio Lower Upper

63 100

98 3.2 2.3 6.9

100 2.3 1.3 3.8





#25

2-Butanone

Concen: 93.661 ug/l

RT: 5.80 min Scan# 485

Delta R.T. -0.04 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

Tot Ion: 43 Resp: 123033

Ion Ratio Lower Upper

43 100

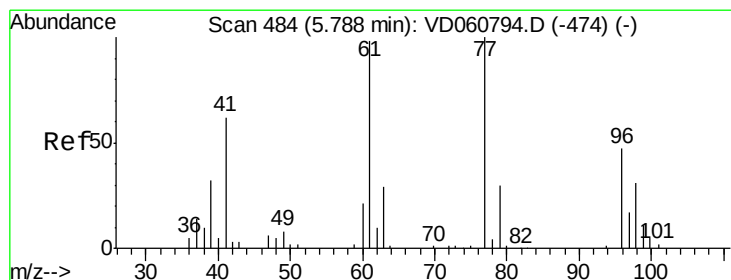
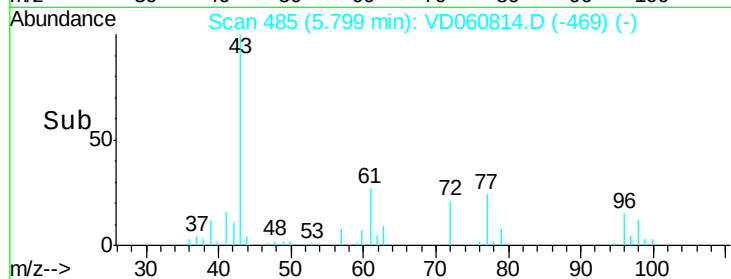
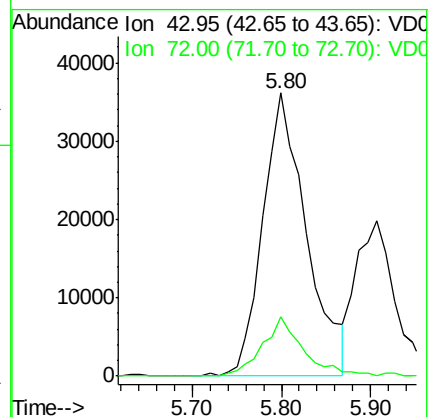
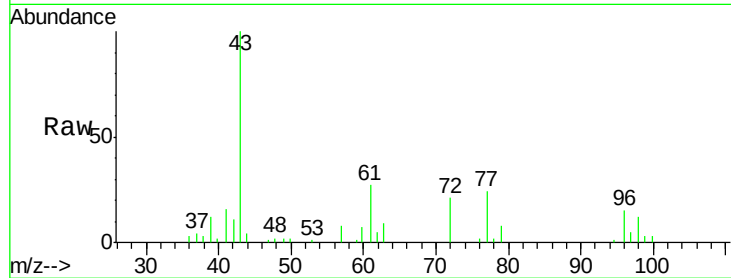
72 21.0 14.4 21.6

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#26

2,2-Dichloropropane

Concen: 20.948 ug/l

RT: 5.75 min Scan# 480

Delta R.T. -0.04 min

Lab File: VD060814.D

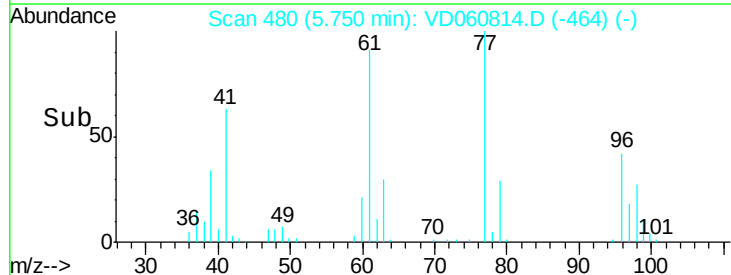
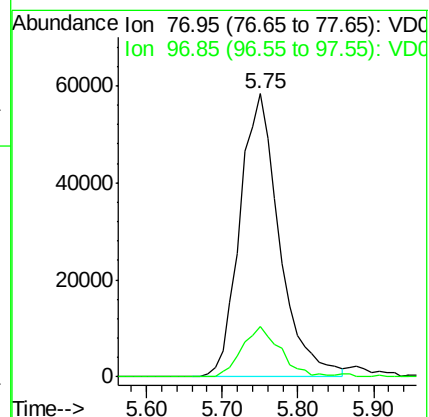
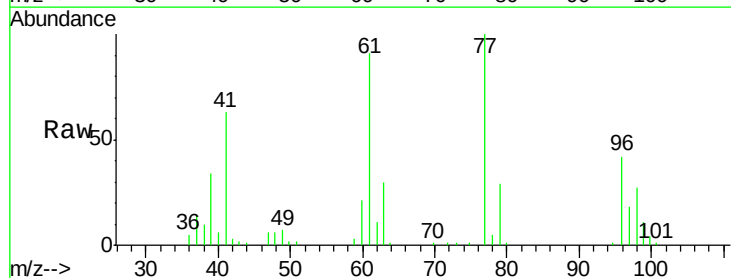
Acq: 1 Feb 2019 12:49

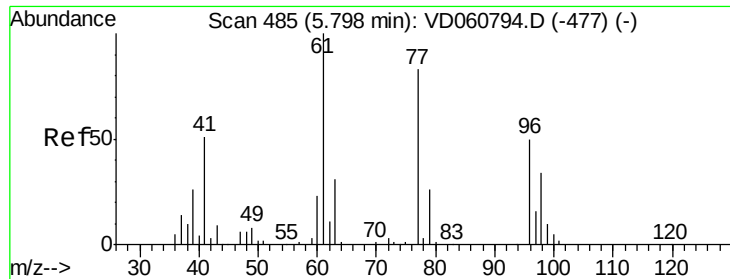
Tgt Ion: 77 Resp: 211552

Ion Ratio Lower Upper

77 100

97 17.7 8.3 24.9





#27

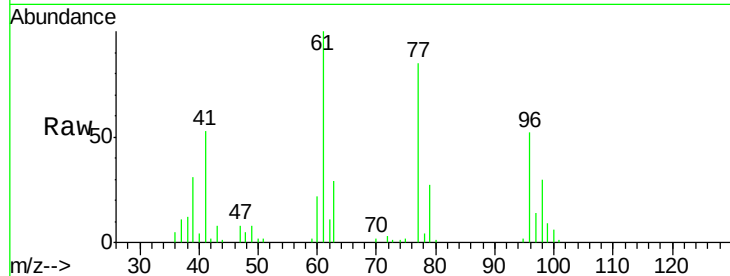
cis-1,2-Dichloroethene
Concen: 18.600 ug/l
RT: 5.76 min Scan# 481
Delta R.T. -0.04 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

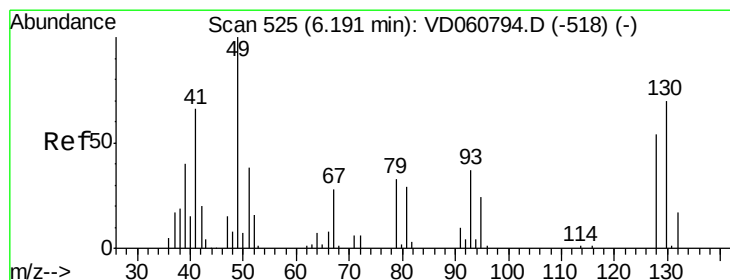
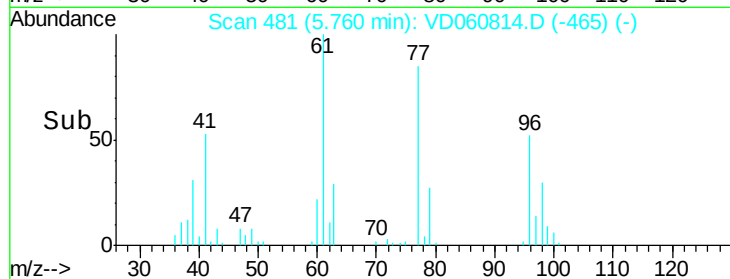
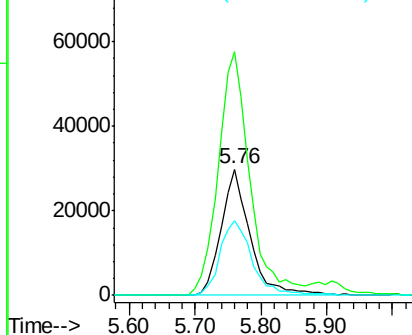
Tot Ion	Ratio	Lower	Upper
96	100		
61	193.0	0.0	400.0
98	58.7	0.0	136.4

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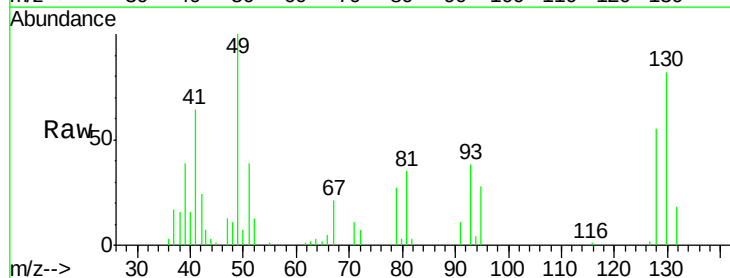
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



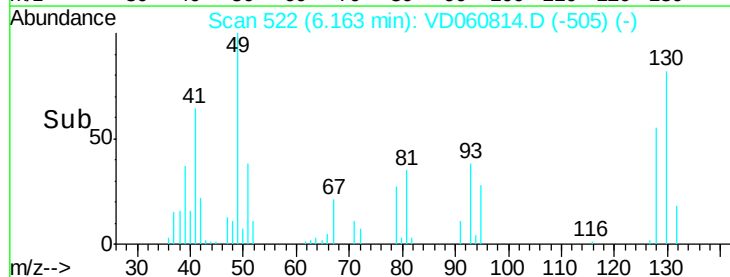
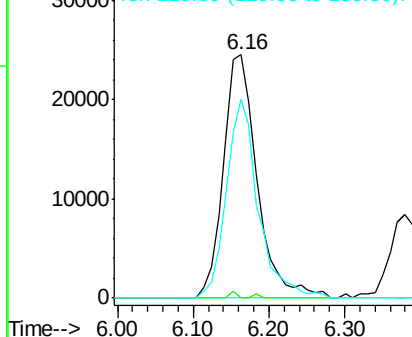
#28

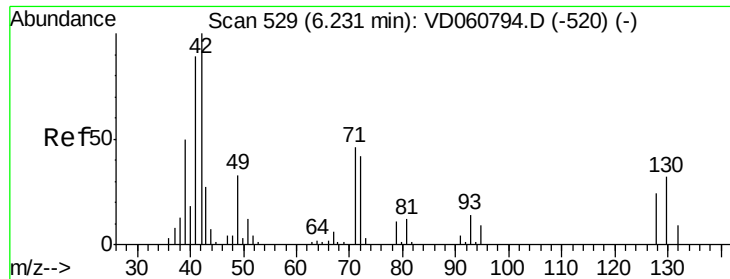
Bromochloromethane
Concen: 20.242 ug/l
RT: 6.16 min Scan# 522
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	81.5	56.1	84.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





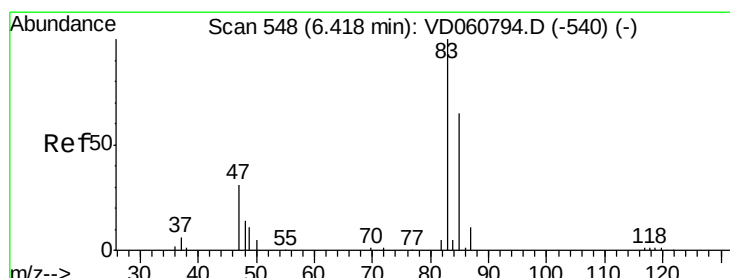
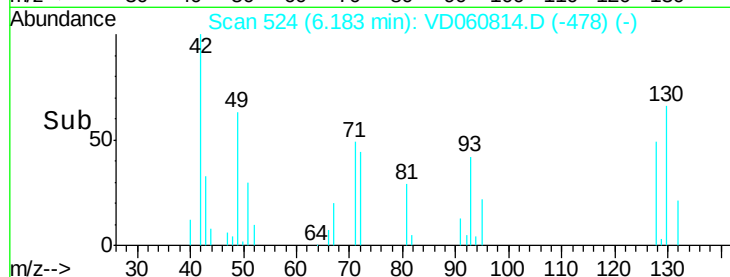
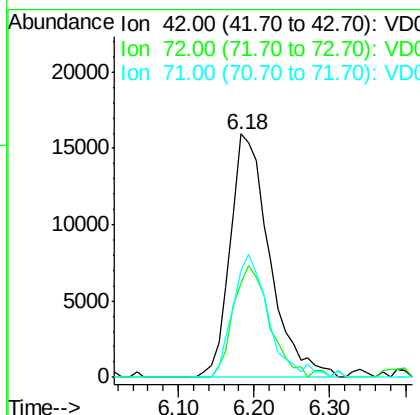
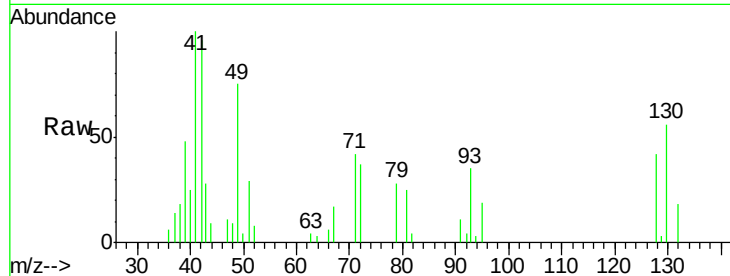
#29
Tetrahydrofuran
Concen: 91.103 ug/l
RT: 6.18 min Scan# 524
Delta R.T. -0.05 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.8	49.2
71	45.3	34.6	52.0

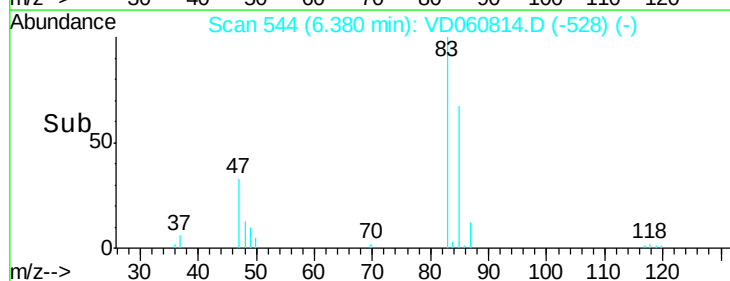
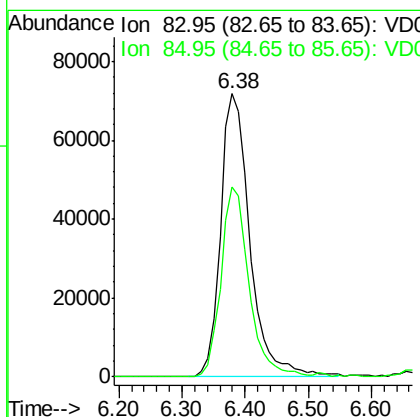
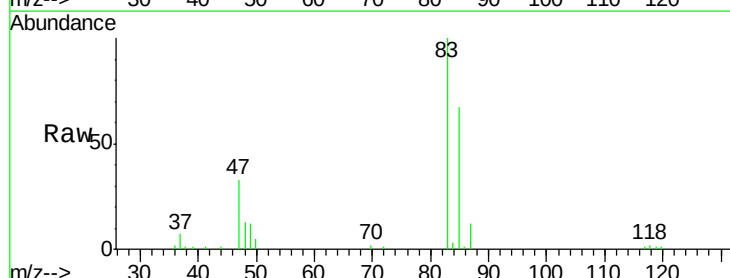
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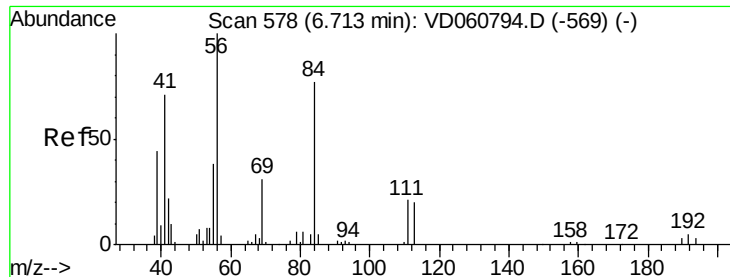
MMDadoda
2/4/2019 4:42:48 PM



#30
Chloroform
Concen: 20.484 ug/l
RT: 6.38 min Scan# 544
Delta R.T. -0.04 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.3	78.5





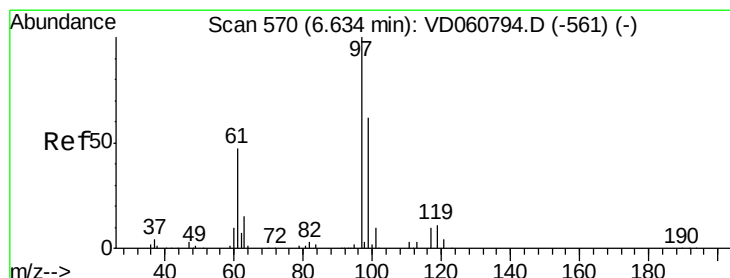
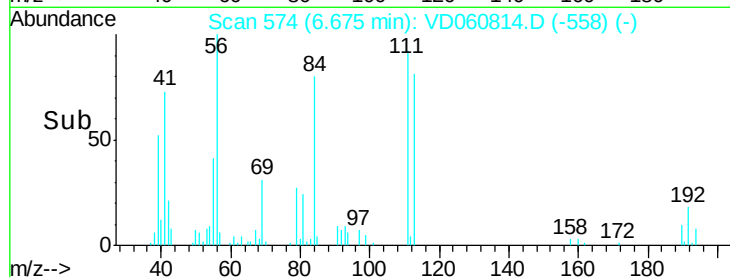
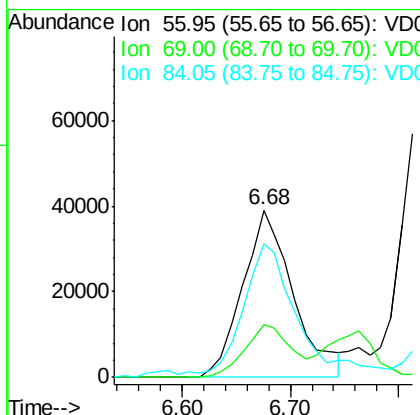
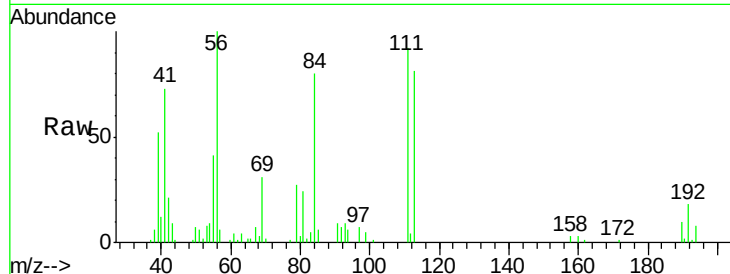
#31
Cyclohexane
Concen: 19.460 ug/l
RT: 6.68 min Scan# 574
Delta R.T. -0.04 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.1	37.7
84	79.8	63.9	95.9

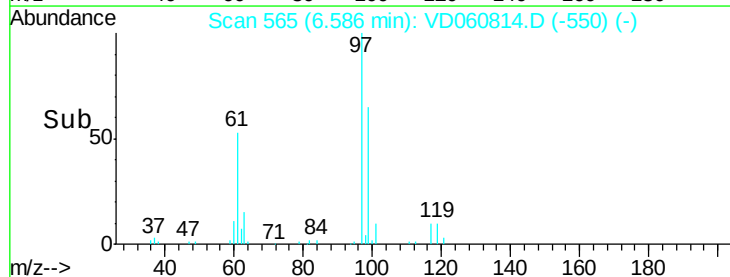
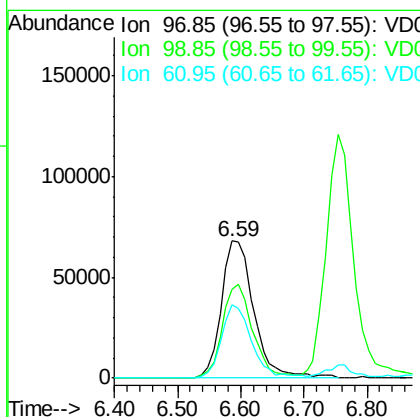
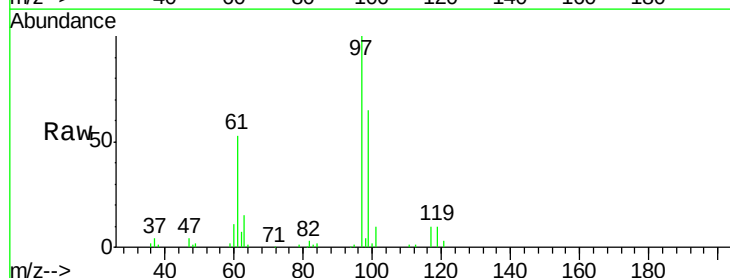
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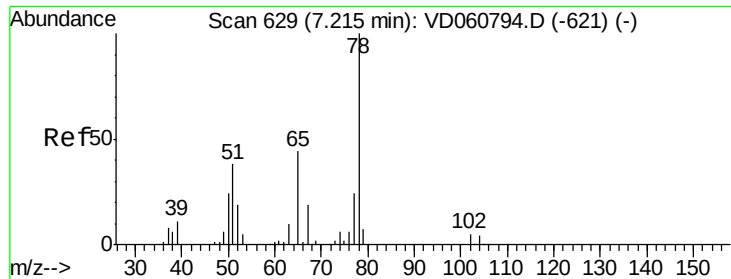
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#32
1,1,1-Trichloroethane
Concen: 22.253 ug/l
RT: 6.59 min Scan# 565
Delta R.T. -0.05 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	49.6	74.4
61	53.3	37.4	56.2





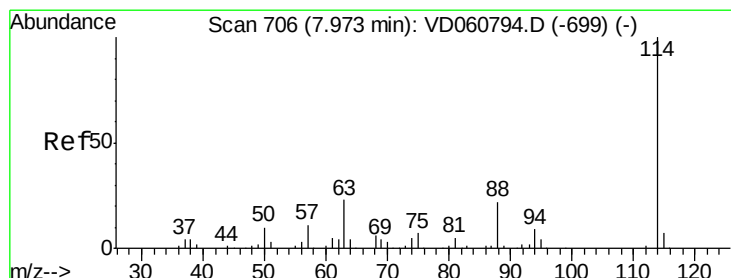
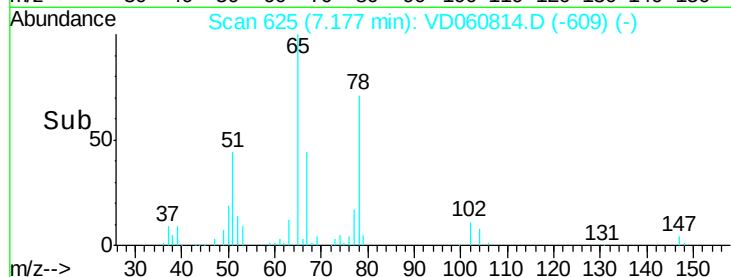
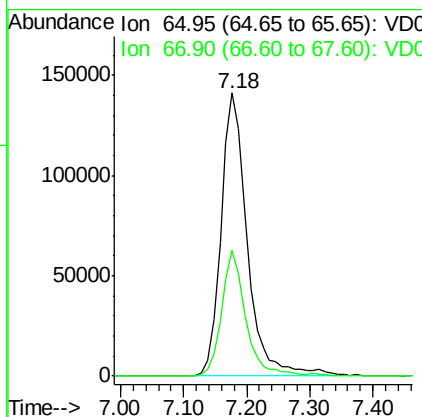
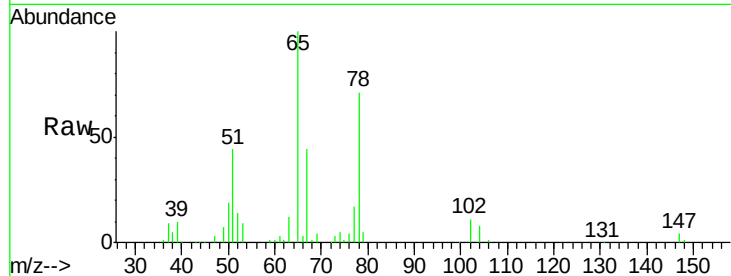
#33
 1,2-Dichloroethane-d4
 Concen: 22.253 ug/l
 RT: 7.18 min Scan# 625
 Delta R.T. -0.04 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	44.3	0.0	85.8	

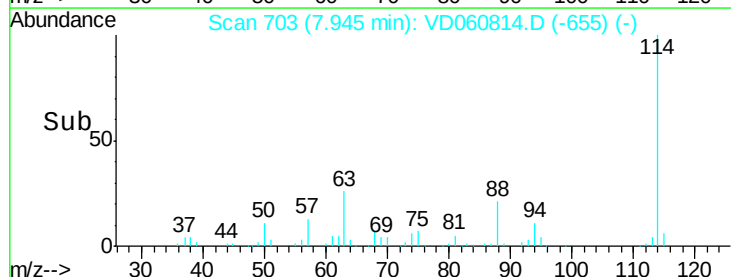
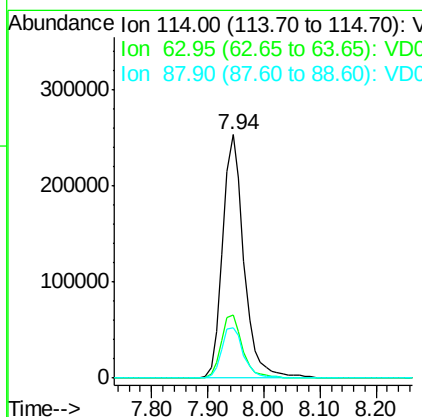
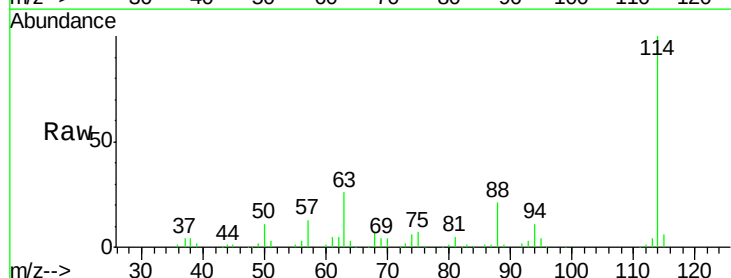
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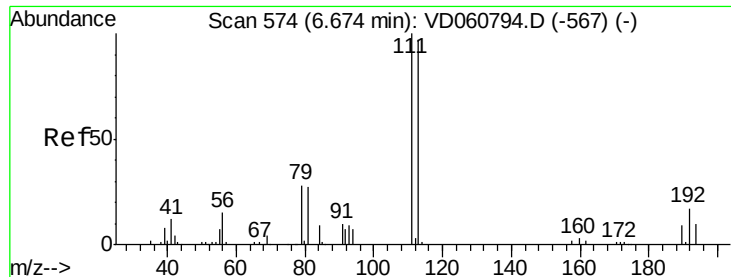
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.94 min Scan# 703
 Delta R.T. -0.03 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	25.9	0.0	46.6	
88	20.8	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: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

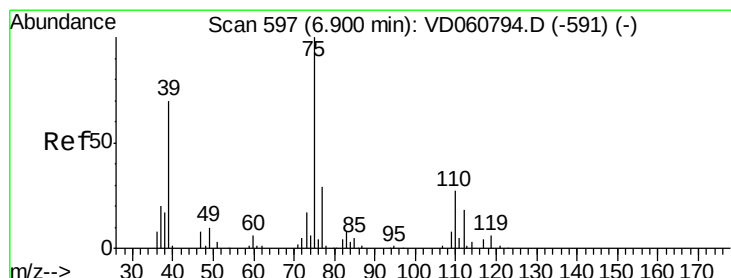
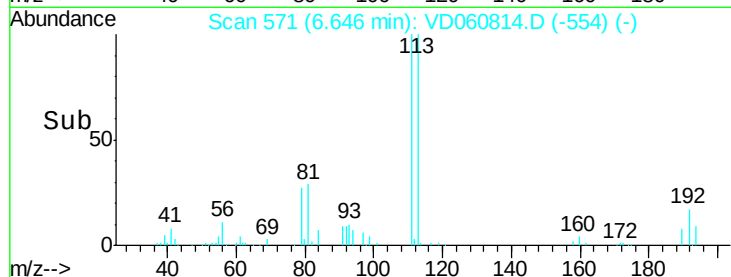
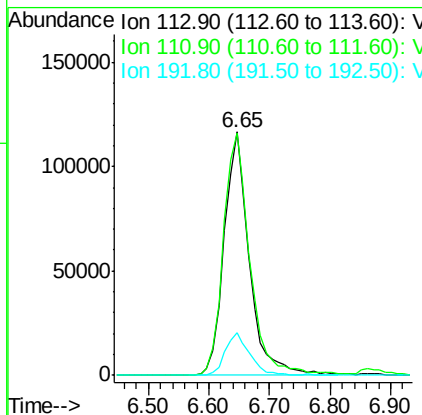
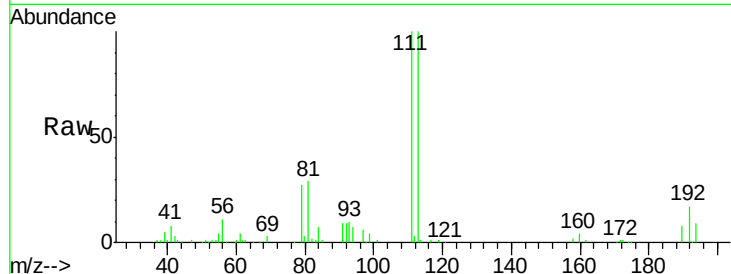
ClientSampleId :

VD0201SBS01

Tot Ion:	113	Resp:	337805
Ion Ratio	Lower	Upper	
113	100		
111	99.8	82.3	123.5
192	17.5	14.4	21.6

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#36

1,1-Dichloropropene

Concen: 20.518 ug/l

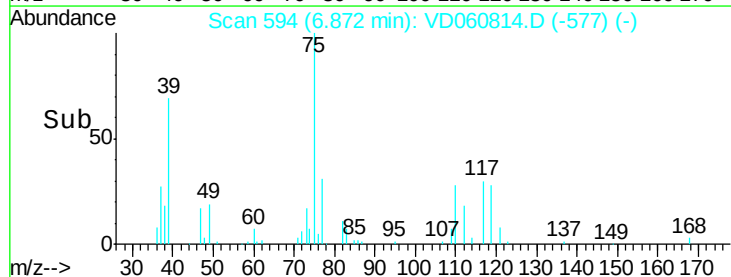
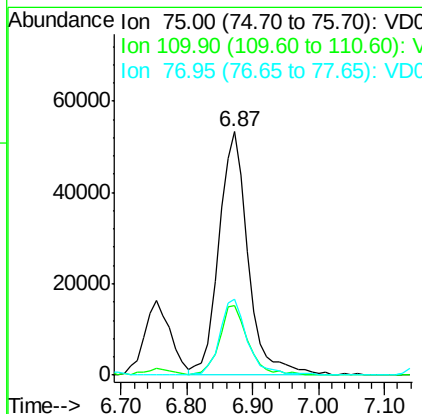
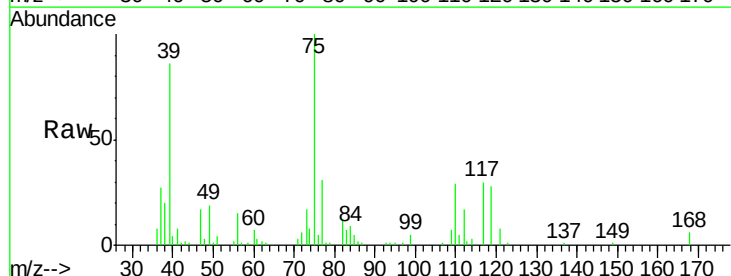
RT: 6.87 min Scan# 594

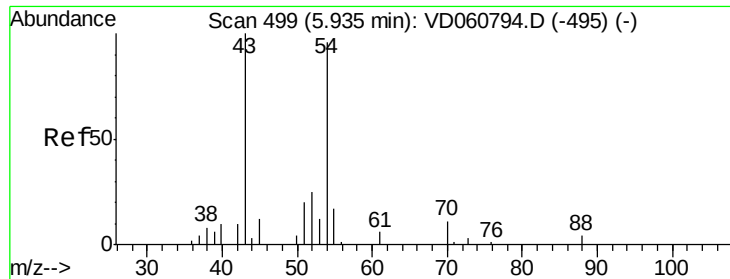
Delta R.T. -0.03 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Tgt Ion:	75	Resp:	165000
Ion Ratio	Lower	Upper	
75	100		
110	28.7	13.5	40.4
77	31.3	23.4	35.2





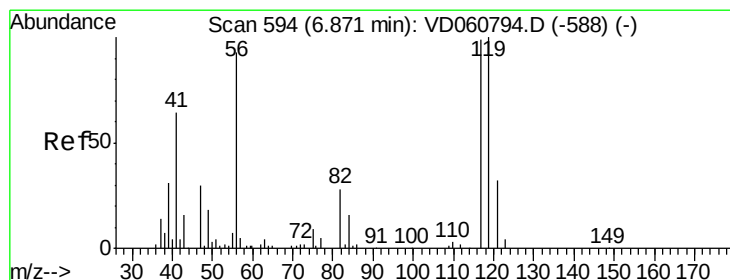
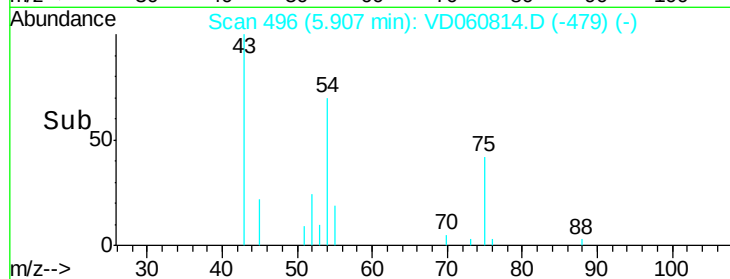
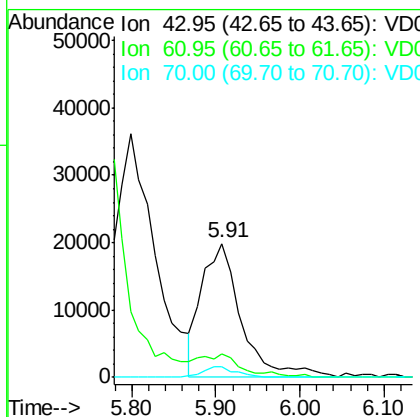
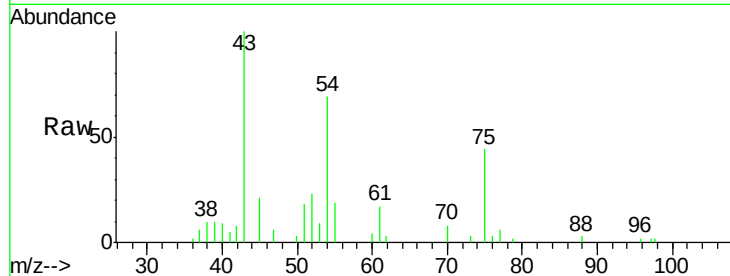
#37
Ethyl Acetate
Concen: 18.015 ug/l
RT: 5.91 min Scan# 496
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.2	12.3	18.5
70	8.1	7.4	11.0

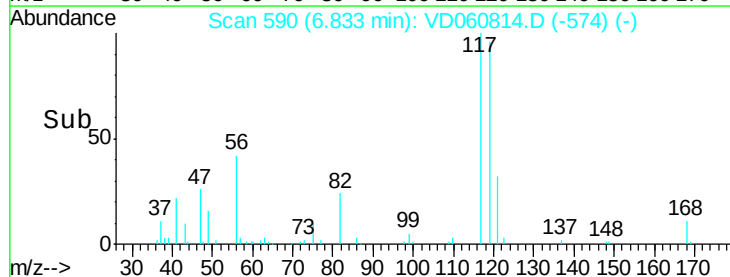
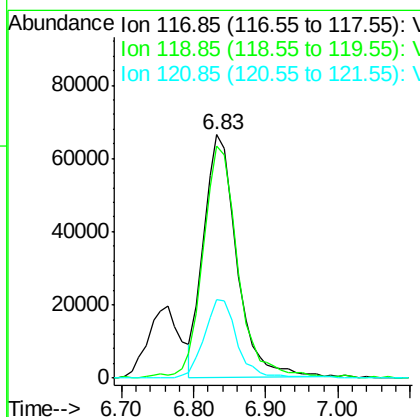
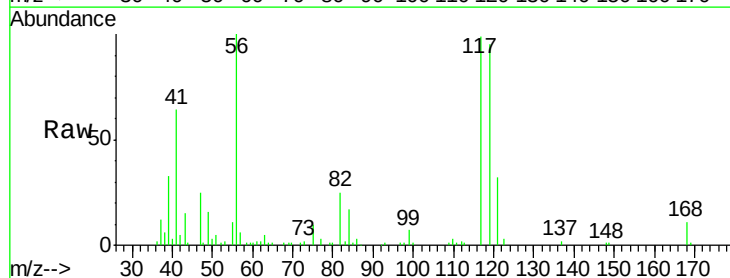
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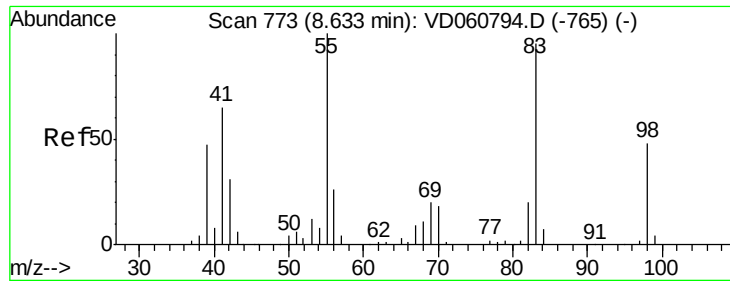
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#38
Carbon Tetrachloride
Concen: 20.868 ug/l
RT: 6.83 min Scan# 590
Delta R.T. -0.04 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.6	113.4
121	32.5	23.4	35.2





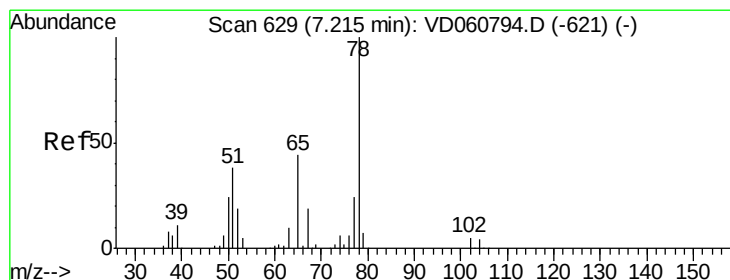
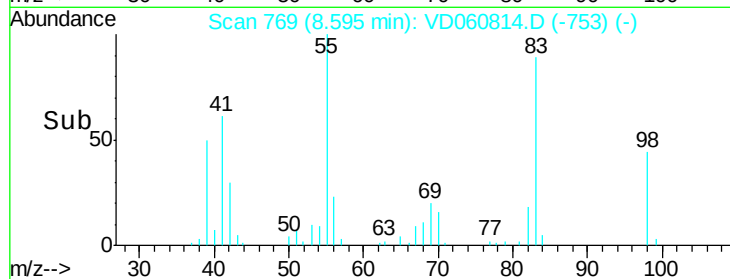
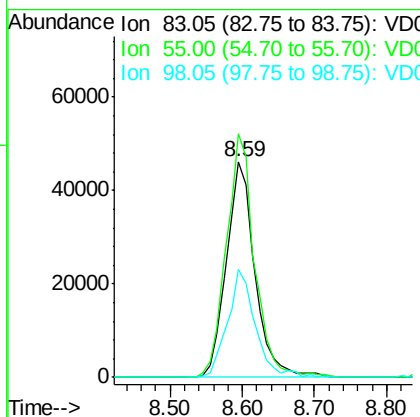
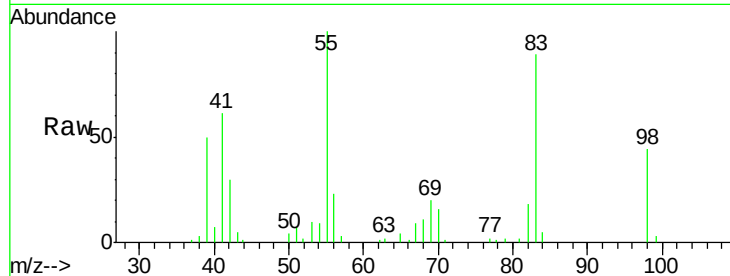
#39
Methylvlcyclohexane
Concen: 18.885 ug/l
RT: 8.59 min Scan# 769
Delta R.T. -0.04 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion	83	Resp	127180
Ion Ratio	100	Lower	Upper
83	100		
55	112.9	83.8	125.8
98	50.1	39.8	59.8

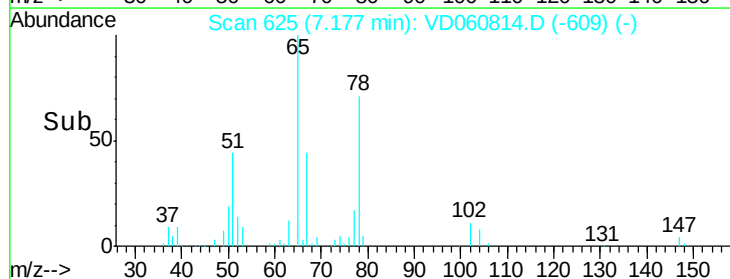
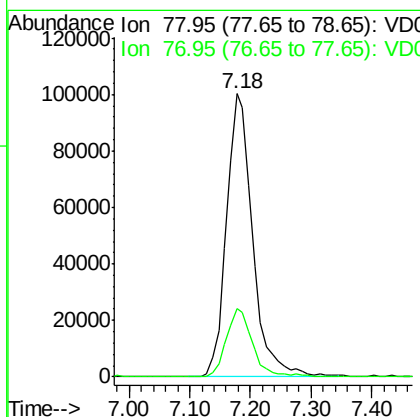
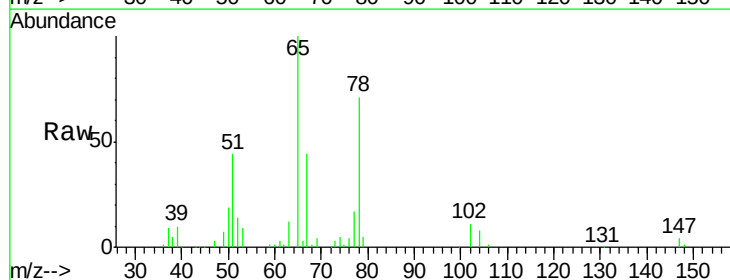
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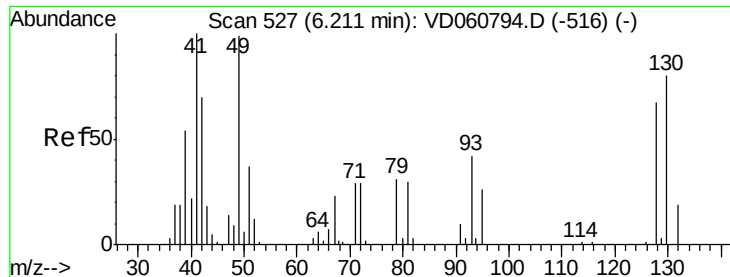
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#40
Benzene
Concen: 18.927 ug/l
RT: 7.18 min Scan# 625
Delta R.T. -0.04 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion	78	Resp	300396
Ion Ratio	100	Lower	Upper
78	100		
77	24.3	18.9	28.3





#41

Methacrylonitrile

Concen: 15.140 ug/l m

RT: 6.16 min Scan# 522

Delta R.T. -0.05 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

Tot Ion: 41 Resp: 34517

Ion Ratio Lower Upper

41 100

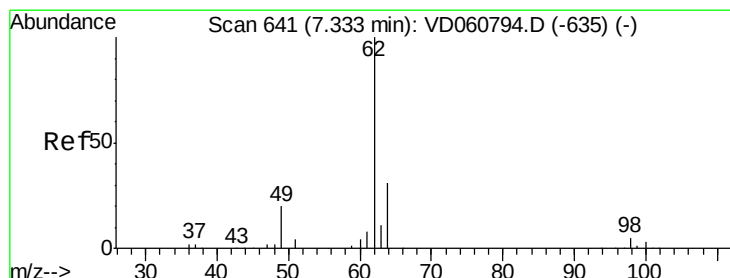
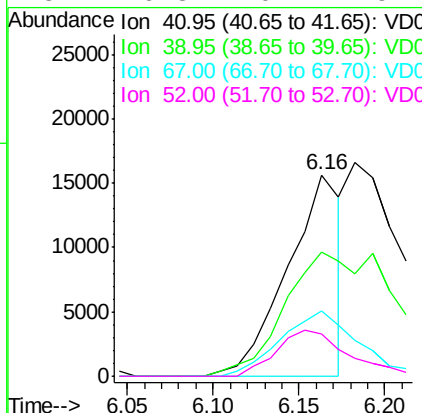
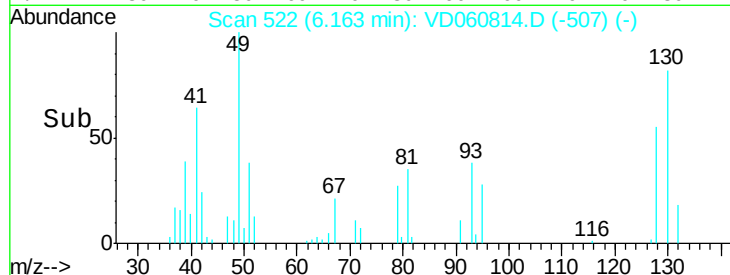
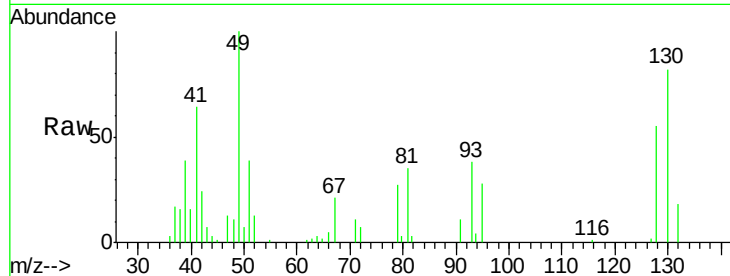
39 62.0 43.6 65.4

67 32.5 18.5 27.7#

52 20.8 10.2 15.2#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.346 ug/l

RT: 7.31 min Scan# 638

Delta R.T. -0.03 min

Lab File: VD060814.D

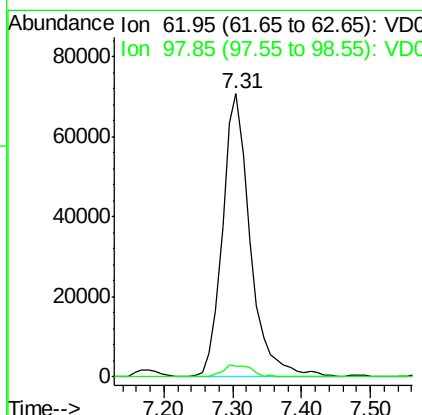
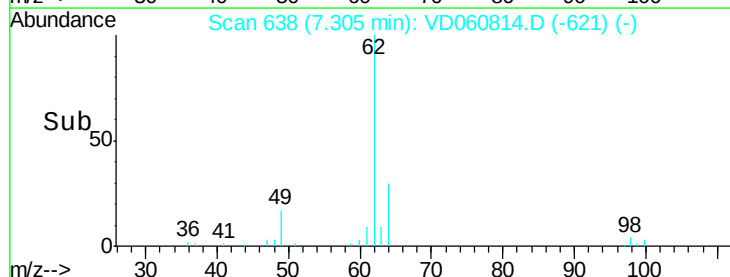
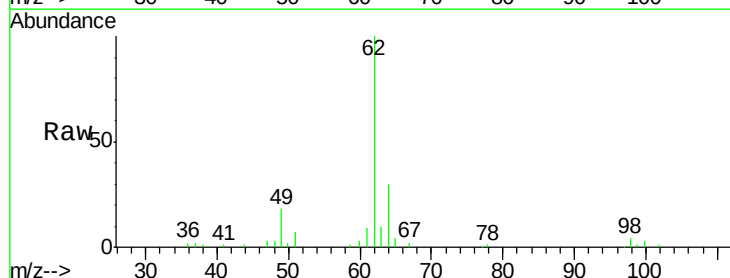
Acq: 1 Feb 2019 12:49

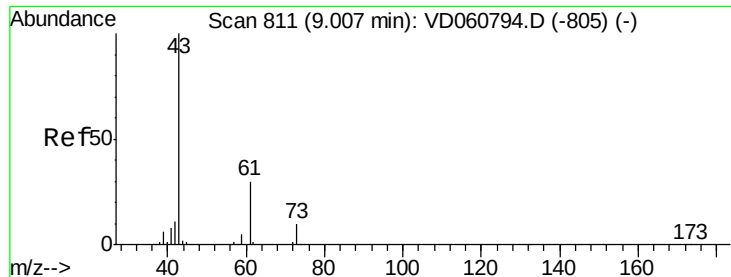
Tgt Ion: 62 Resp: 196818

Ion Ratio Lower Upper

62 100

98 3.7 0.0 10.2





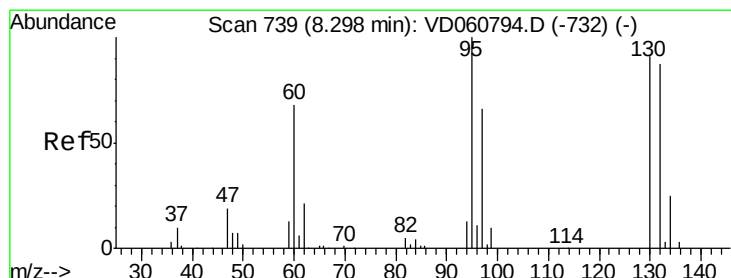
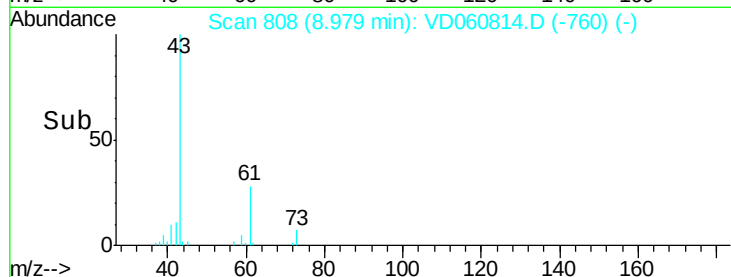
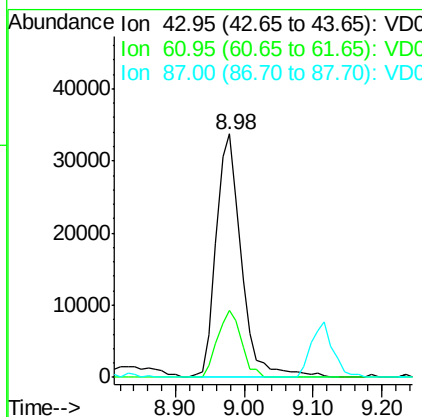
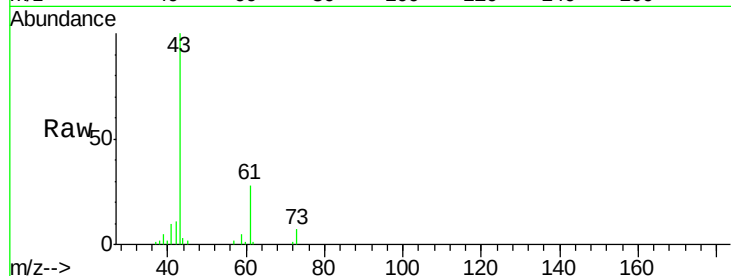
#43
Isopropyl Acetate
Concen: 18.291 ug/l
RT: 8.98 min Scan# 808
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.5	24.1	36.1
87	0.0	0.0	0.0

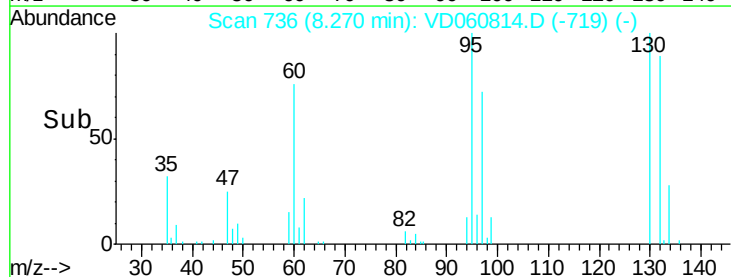
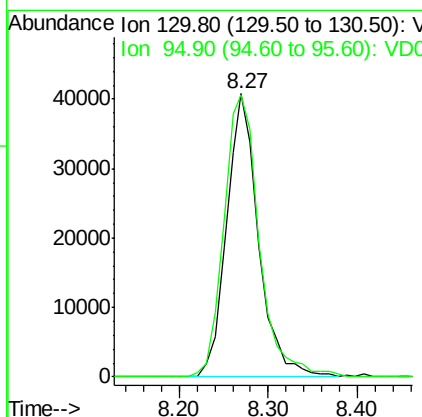
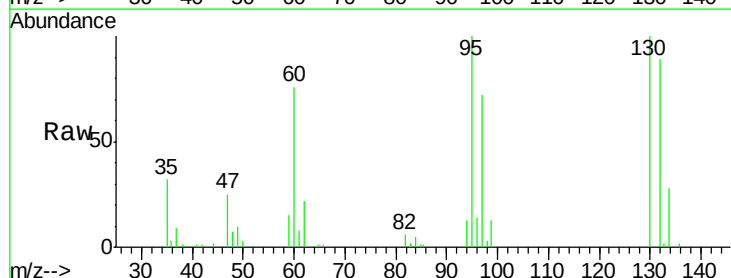
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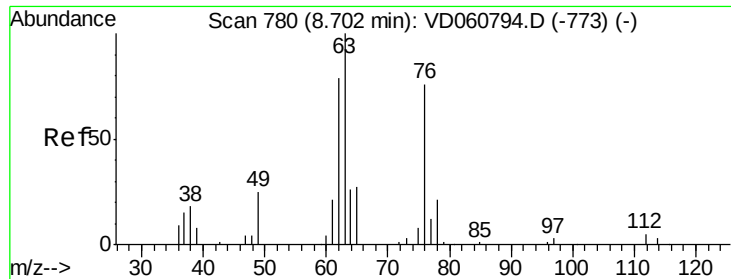
MMDadoda
2/4/2019 4:42:48 PM



#44
Trichloroethene
Concen: 18.923 ug/l
RT: 8.27 min Scan# 736
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	221.0





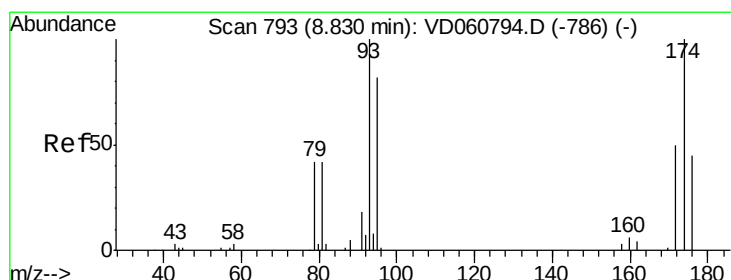
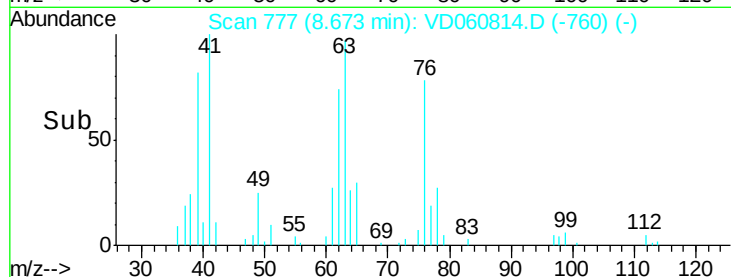
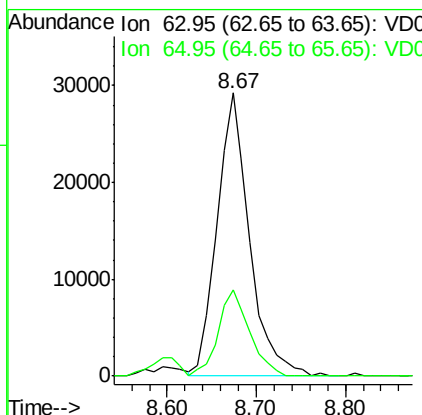
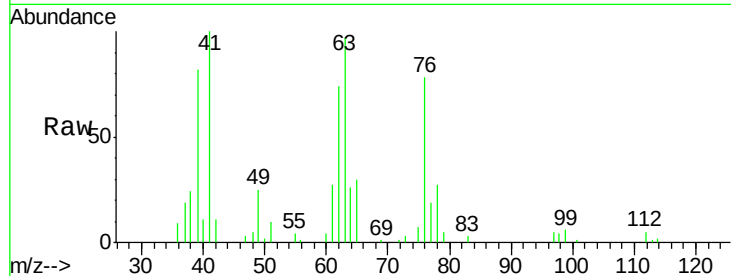
#45
 1,2-Dichloropropane
 Concen: 17.353 ug/l
 RT: 8.67 min Scan# 777
 Delta R.T. -0.03 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

Tot Ion: 63 Resp: 74557
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.1 36.1

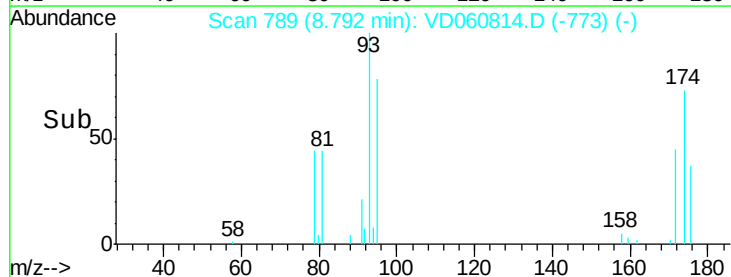
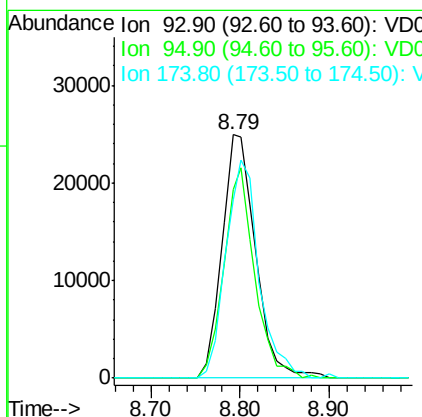
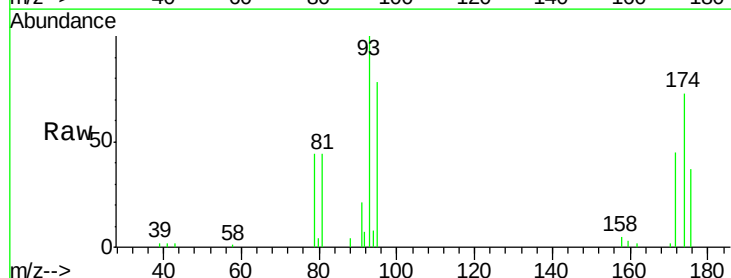
Manual Integrations
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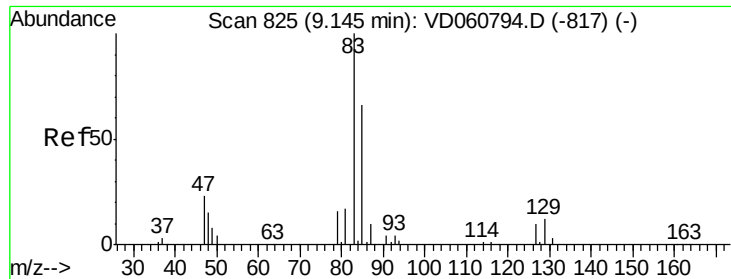
MMDadoda
 2/4/2019 4:42:48 PM



#46
 Dibromomethane
 Concen: 19.729 ug/l
 RT: 8.79 min Scan# 789
 Delta R.T. -0.04 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Tgt Ion: 93 Resp: 65802
 Ion Ratio Lower Upper
 93 100
 95 77.7 65.8 98.8
 174 73.2 79.8 119.6#





#47

Bromodichloromethane

Concen: 20.016 ug/l

RT: 9.11 min Scan# 821

Delta R.T. -0.04 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

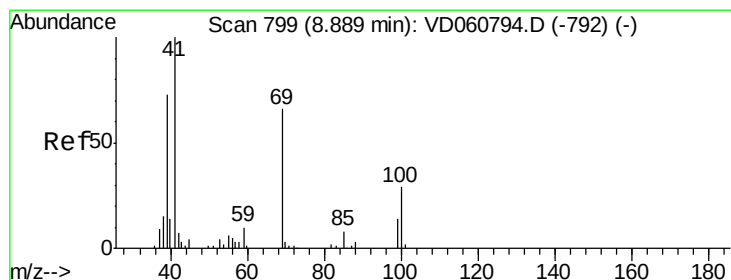
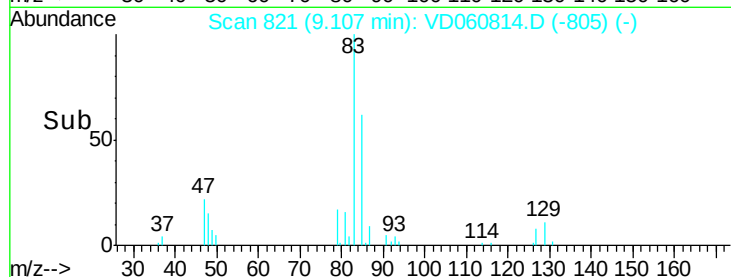
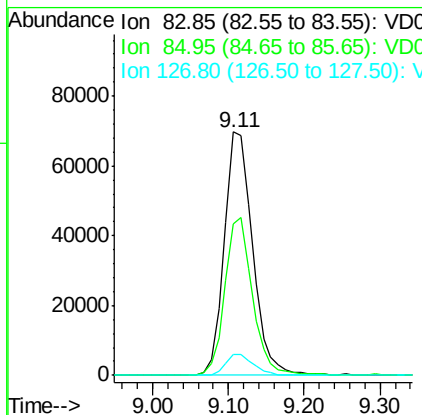
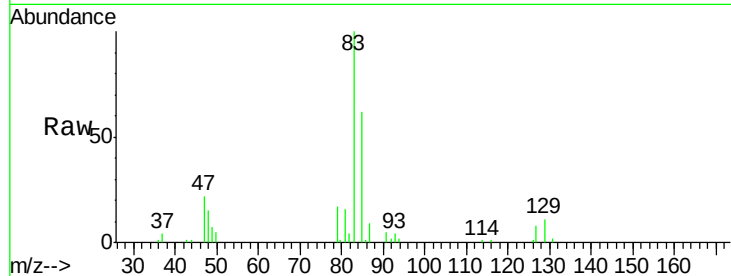
ClientSampleId :

VD0201SBS01

Tot Ion:	83	Resp:	180200
Ion Ratio	Lower	Upper	
83	100		
85	62.2	52.6	79.0
127	8.3	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.581 ug/l

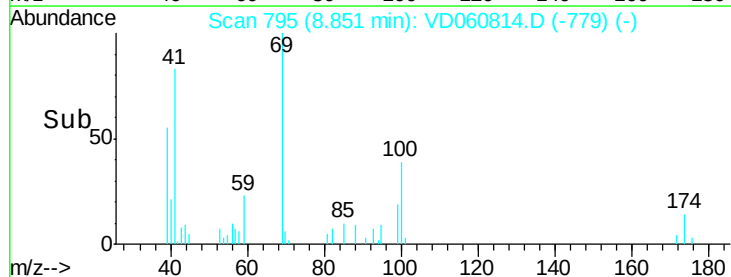
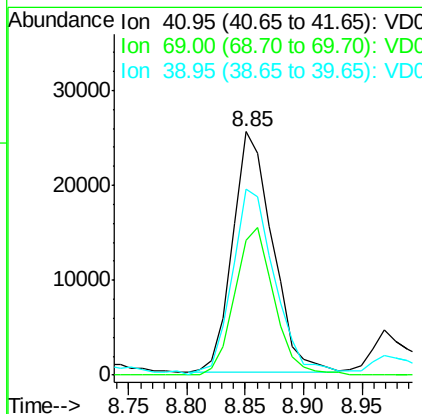
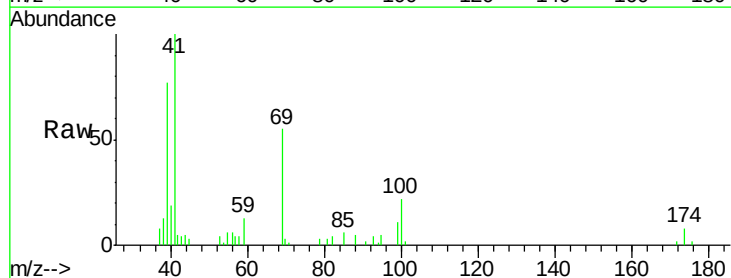
RT: 8.85 min Scan# 795

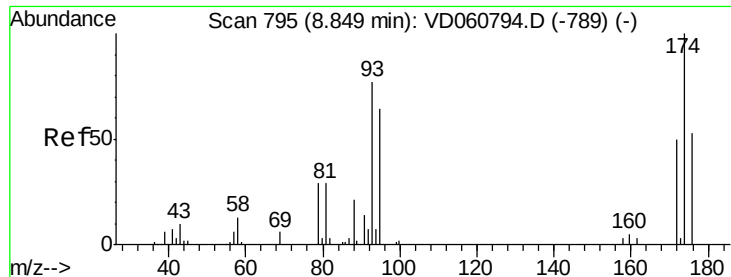
Delta R.T. -0.04 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Tgt Ion:	41	Resp:	59992
Ion Ratio	Lower	Upper	
41	100		
69	55.3	52.5	78.7
39	76.6	59.0	88.6





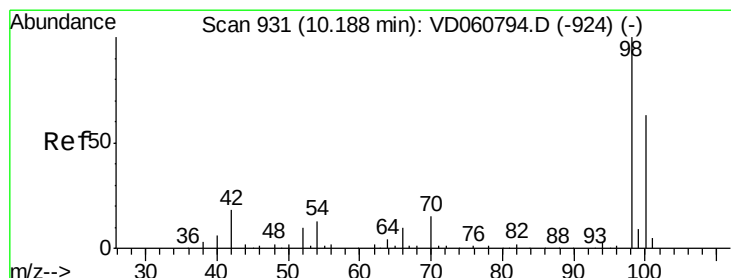
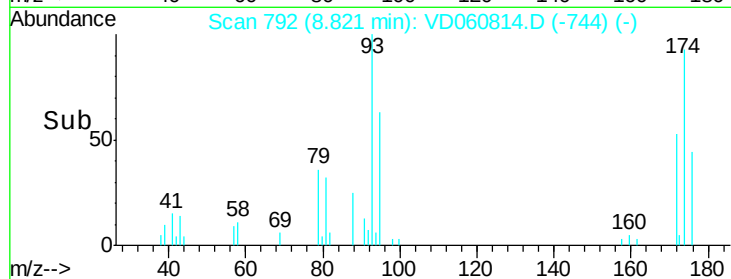
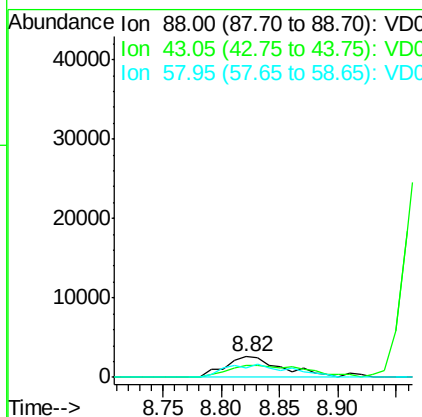
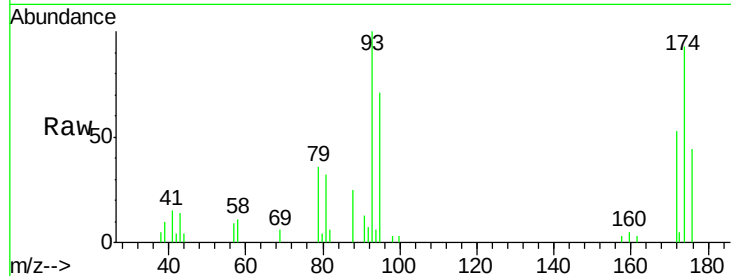
#49
1,4-Dioxane
Concen: 334.023 ug/l
RT: 8.82 min Scan# 792
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion	88	Resp	7817
Ion Ratio	100	Lower	Upper
88	100		
43	57.7	40.9	61.3
58	44.4	52.2	78.4

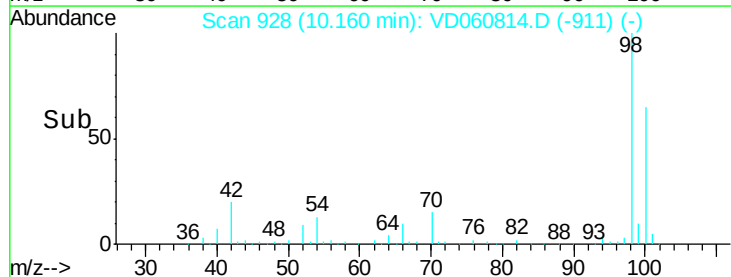
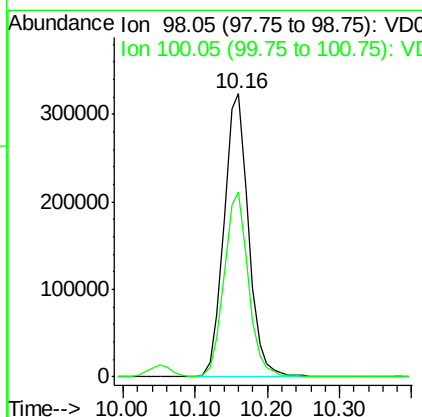
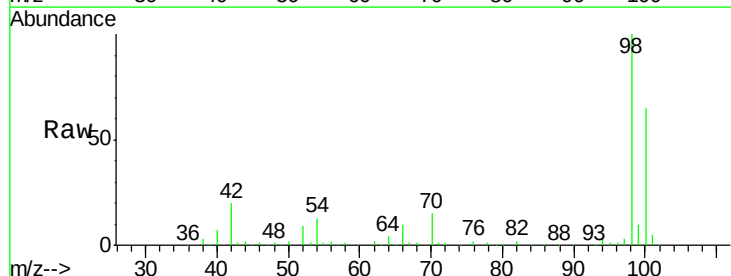
Manual Integrations
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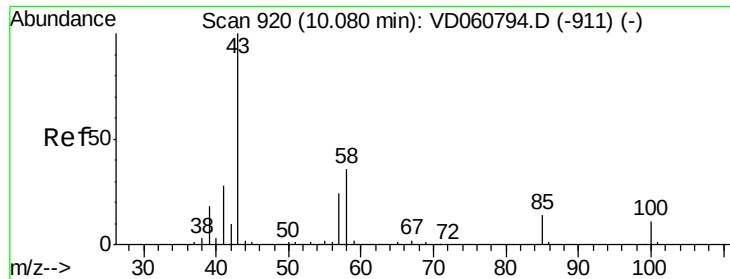
MMDadoda
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#50
Toluene-d8
Concen: 334.023 ug/l
RT: 10.16 min Scan# 928
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion	98	Resp	761424
Ion Ratio	100	Lower	Upper
98	100		
100	65.4	51.0	76.6





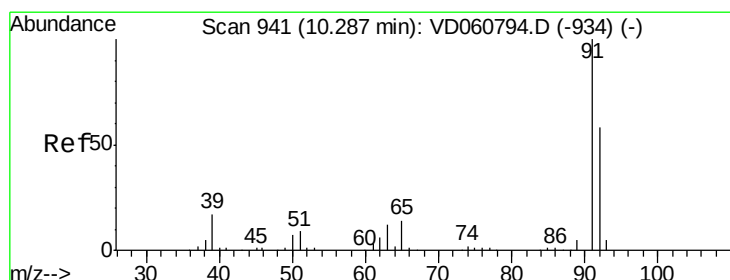
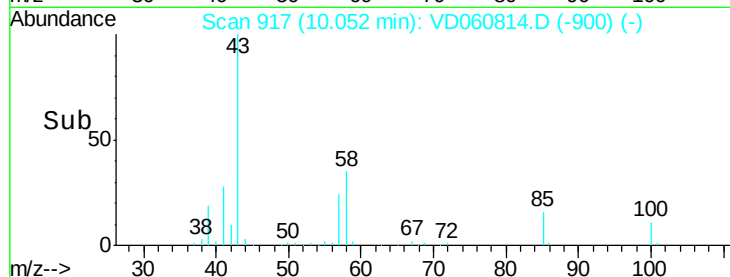
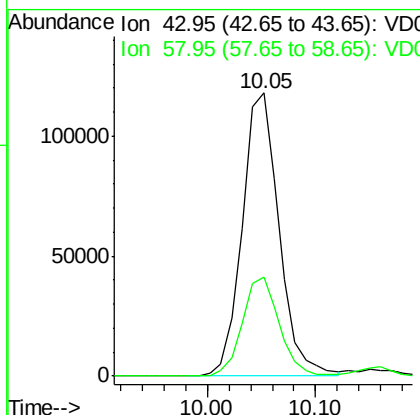
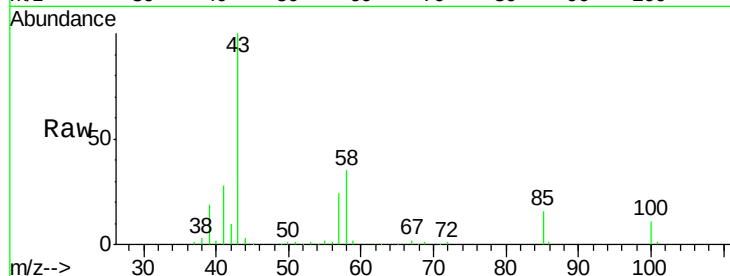
#51
4-Methyl-2-Pentanone
Concen: 92.327 ug/l
RT: 10.05 min Scan# 917
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion: 43 Resp: 279938
Ion Ratio Lower Upper
43 100
58 35.1 28.4 42.6

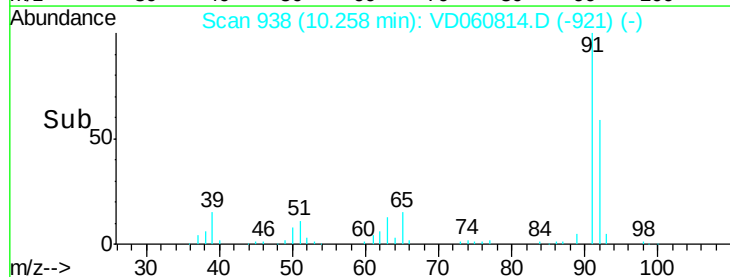
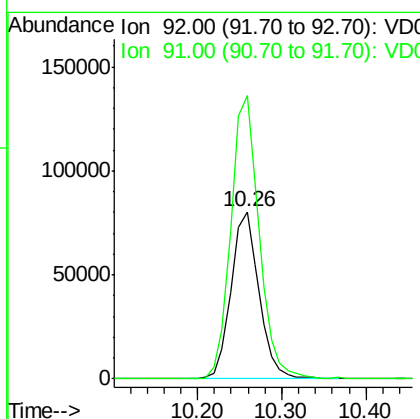
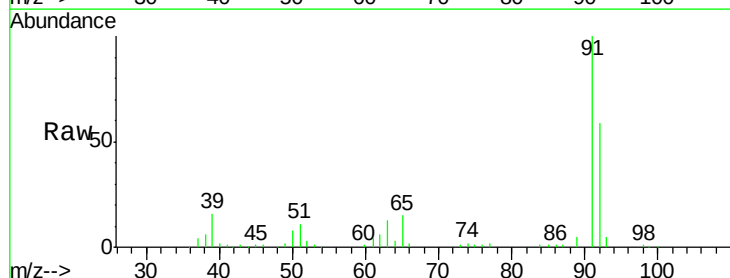
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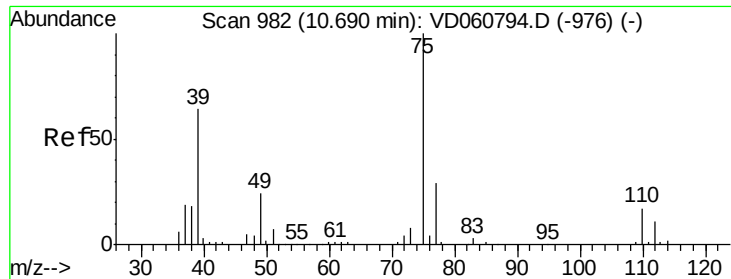
MMDadoda
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#52
Toluene
Concen: 18.448 ug/l
RT: 10.26 min Scan# 938
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion: 92 Resp: 185732
Ion Ratio Lower Upper
92 100
91 169.1 137.7 206.5





#53

t-1,3-Dichloropropene

Concen: 20.139 ug/l

RT: 10.66 min Scan# 979

Delta R.T. -0.03 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

Tot Ion: 75 Resp: 159476

Ion Ratio Lower Upper

75 100

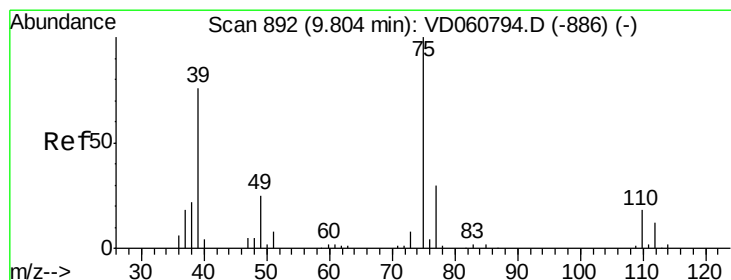
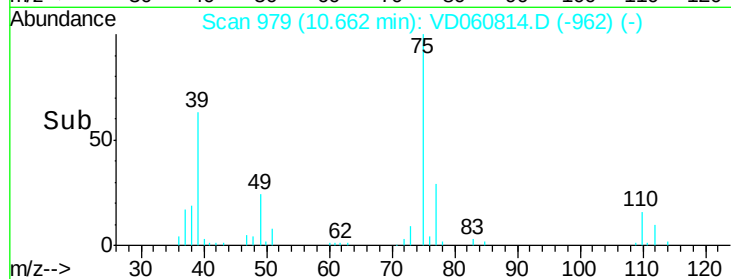
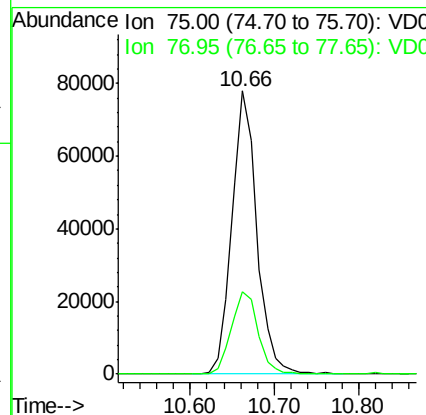
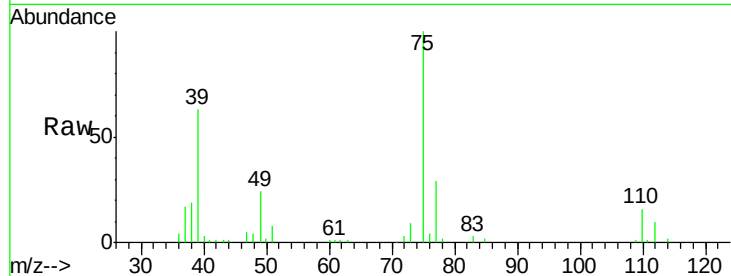
77 29.3 23.0 34.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.208 ug/l

RT: 9.79 min Scan# 890

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

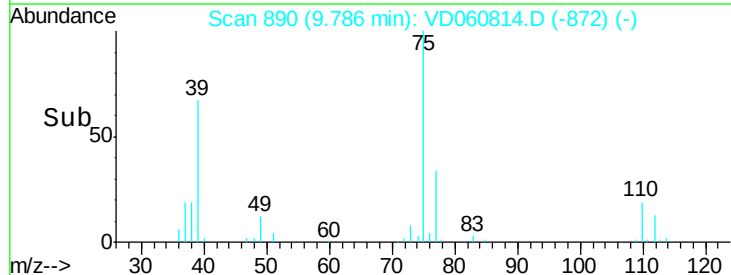
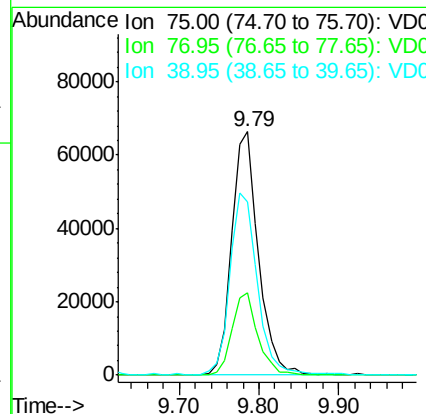
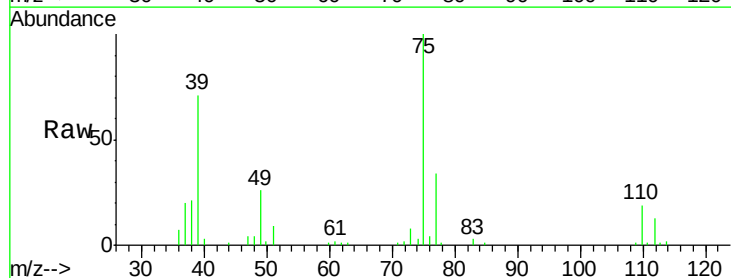
Tgt Ion: 75 Resp: 155977

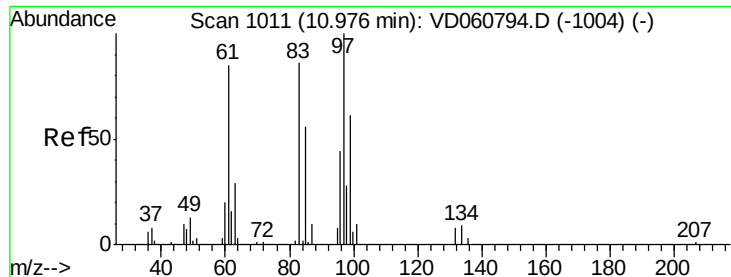
Ion Ratio Lower Upper

75 100

77 34.0 23.9 35.9

39 71.1 60.4 90.6





#55

1,1,2-Trichloroethane

Concen: 17.611 ug/l

RT: 10.95 min Scan# 1008

Delta R.T. -0.03 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

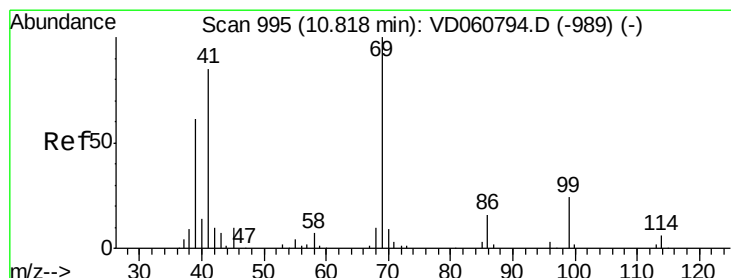
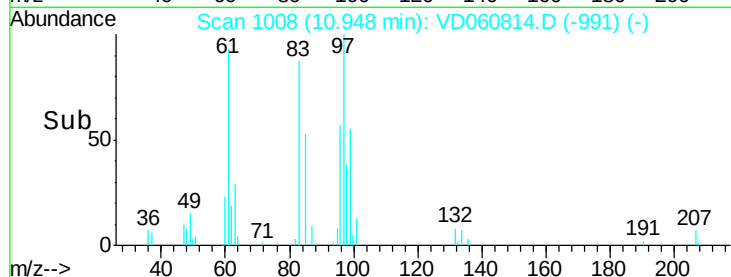
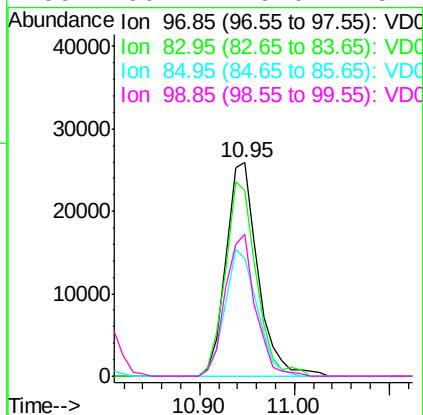
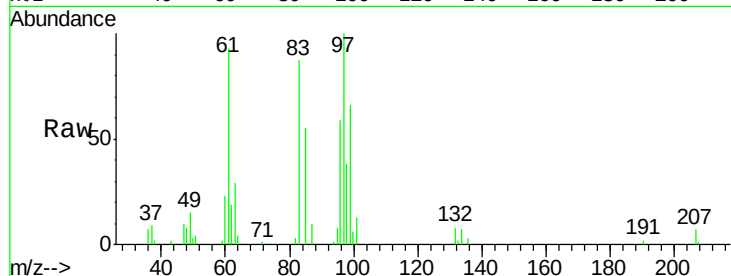
ClientSampleId :

VD0201SBS01

Tot Ion:	97	Resp:	60452
Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.5	102.7
85	54.9	45.0	67.6
99	66.4	49.0	73.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.388 ug/l

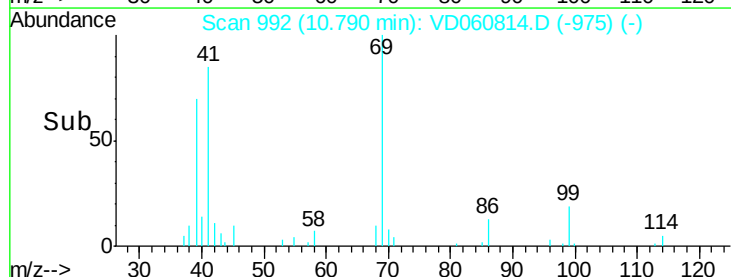
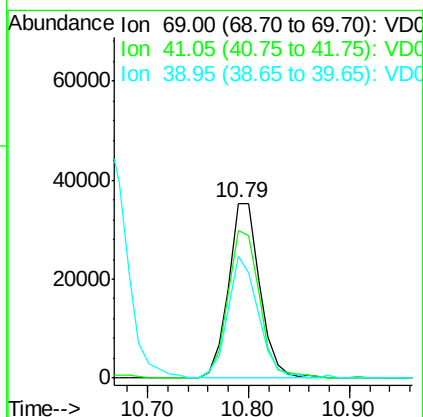
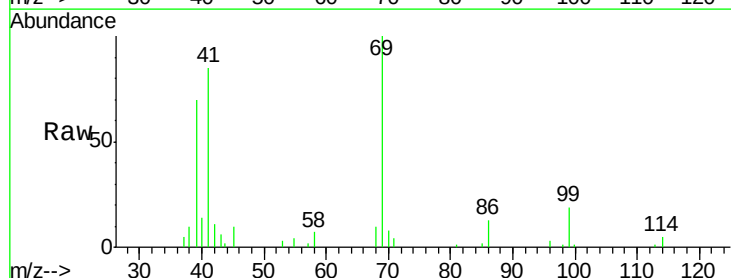
RT: 10.79 min Scan# 992

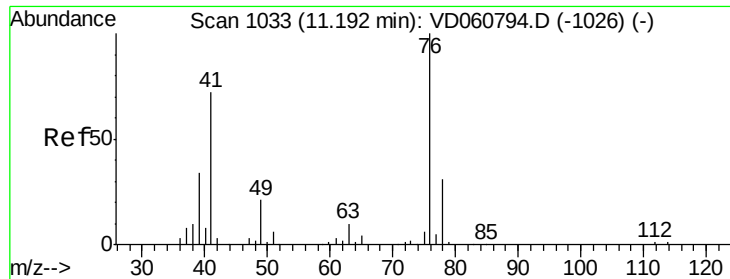
Delta R.T. -0.03 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Tgt Ion:	69	Resp:	76462
Ion	Ratio	Lower	Upper
69	100		
41	84.6	68.2	102.2
39	69.5	49.4	74.0





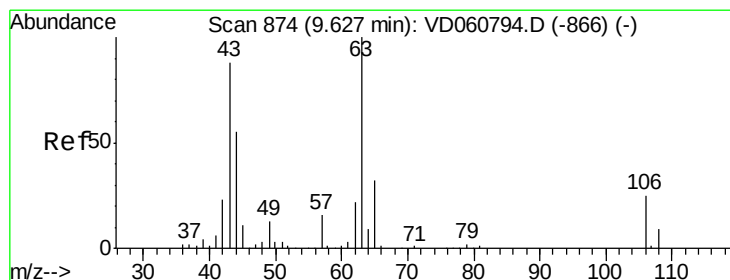
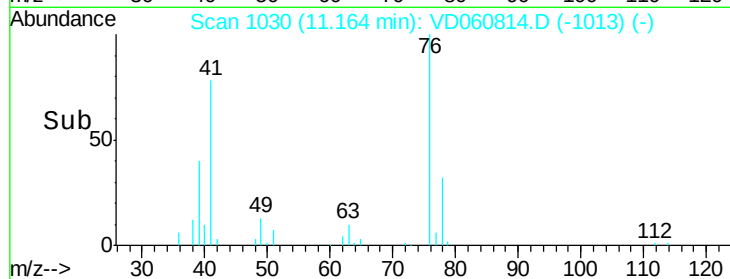
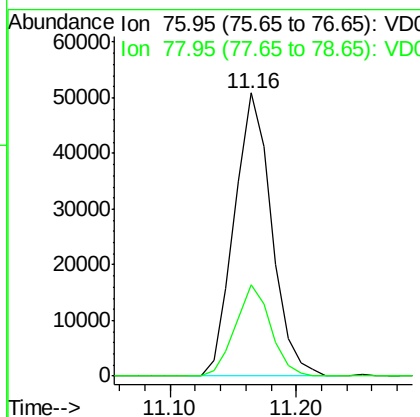
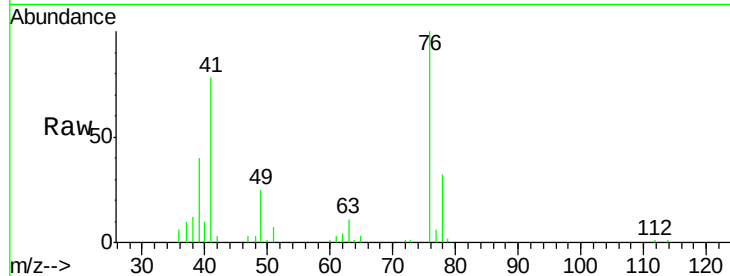
#57
 1,3-Dichloropropane
 Concen: 17.739 ug/l
 RT: 11.16 min Scan# 1030
 Delta R.T. -0.03 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

Tot Ion: 76 Resp: 104066
 Ion Ratio Lower Upper
 76 100
 78 32.4 24.5 36.7

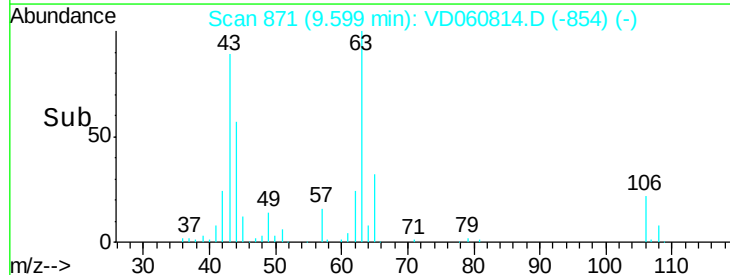
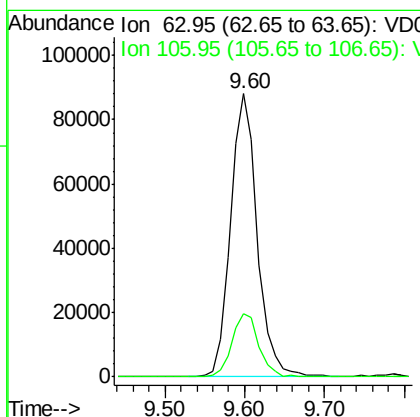
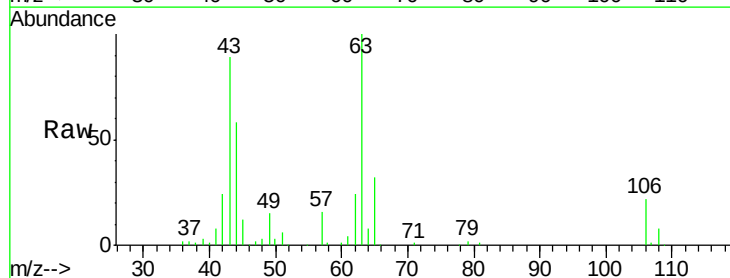
Manual Integrations
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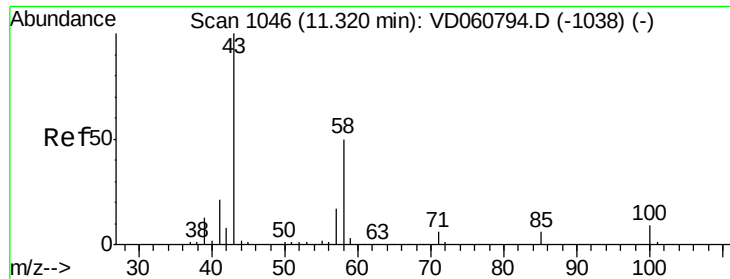
MMDadoda
 2/4/2019 4:42:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.148 ug/l
 RT: 9.60 min Scan# 871
 Delta R.T. -0.03 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Tgt Ion: 63 Resp: 205407
 Ion Ratio Lower Upper
 63 100
 106 22.4 19.9 29.9





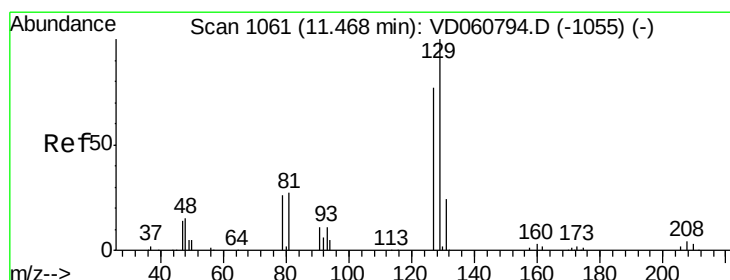
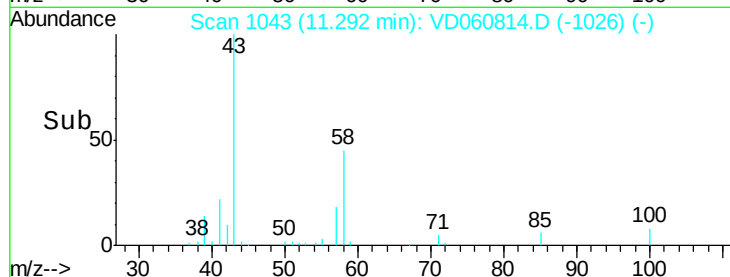
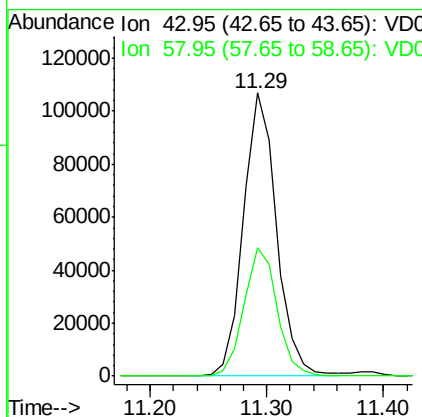
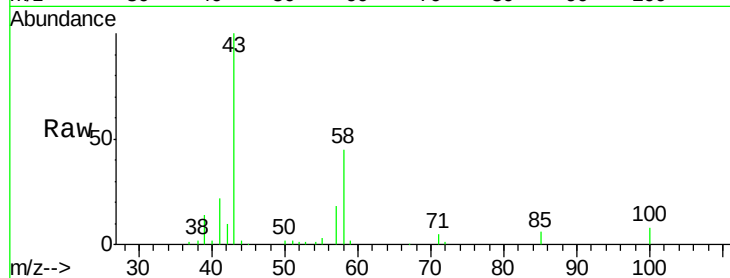
#59
2-Hexanone
Concen: 92.279 ug/l
RT: 11.29 min Scan# 1043
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion: 43 Resp: 210375
Ion Ratio Lower Upper
43 100
58 45.2 25.0 75.0

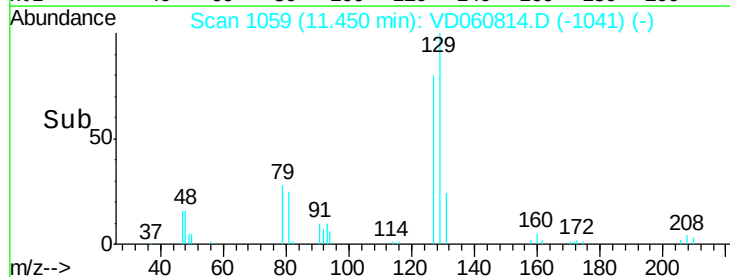
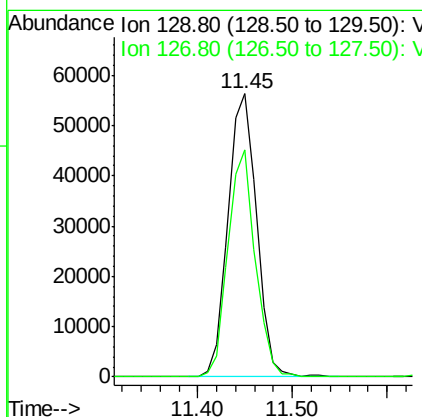
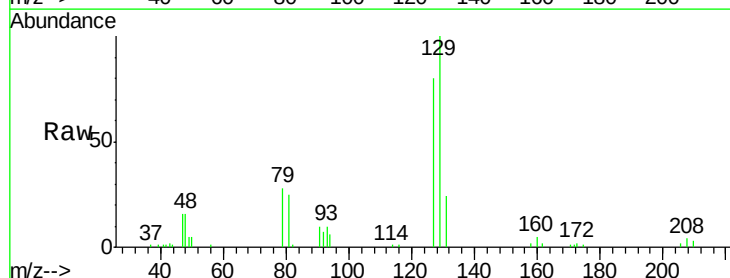
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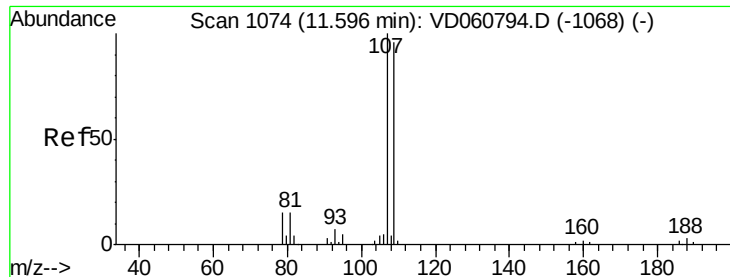
MMDadoda
2/4/2019 4:42:48 PM



#60
Dibromochloromethane
Concen: 19.099 ug/l
RT: 11.45 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion: 129 Resp: 117861
Ion Ratio Lower Upper
129 100
127 80.3 38.6 115.7





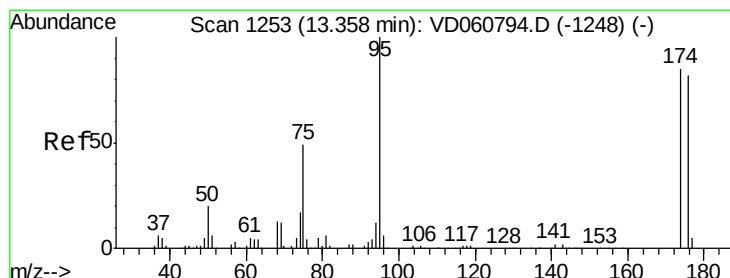
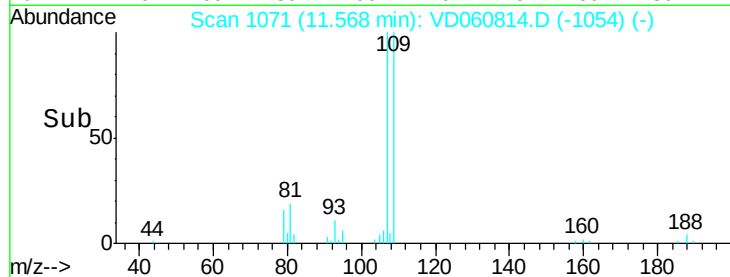
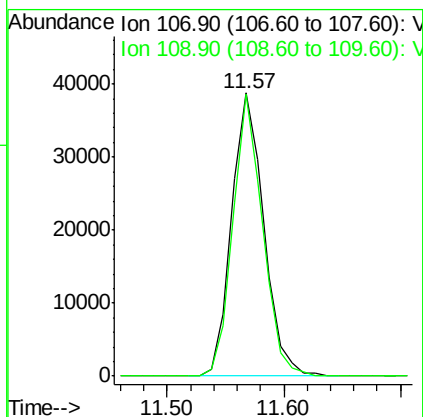
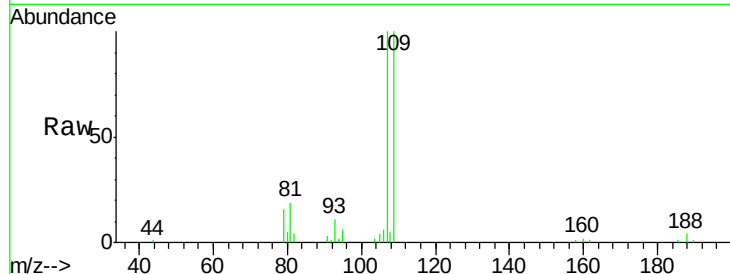
#61
 1,2-Dibromoethane
 Concen: 18.325 ug/l
 RT: 11.57 min Scan# 1071
 Delta R.T. -0.03 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

Tot Ion: 107 Resp: 74077
 Ion Ratio Lower Upper
 107 100
 109 99.8 76.6 114.8

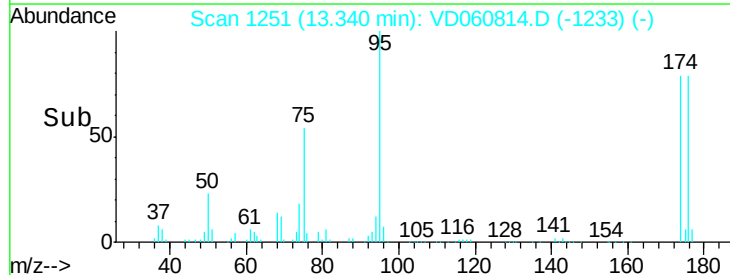
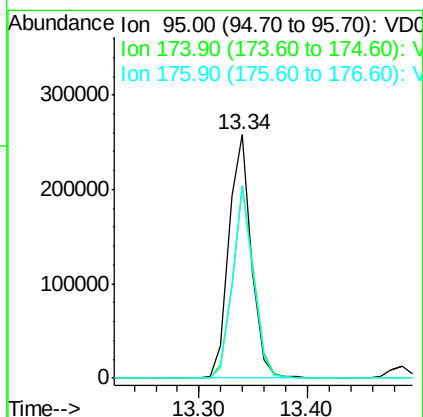
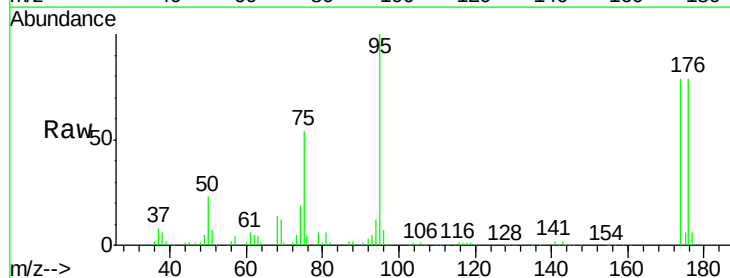
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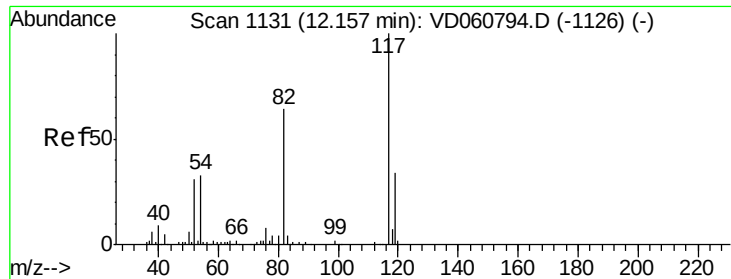
MMDadoda
 2/4/2019 4:42:48 PM



#62
 4-Bromofluorobenzene
 Concen: 18.325 ug/l
 RT: 13.34 min Scan# 1251
 Delta R.T. -0.02 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Tgt Ion: 95 Resp: 370596
 Ion Ratio Lower Upper
 95 100
 174 79.2 0.0 169.6
 176 79.2 0.0 163.8





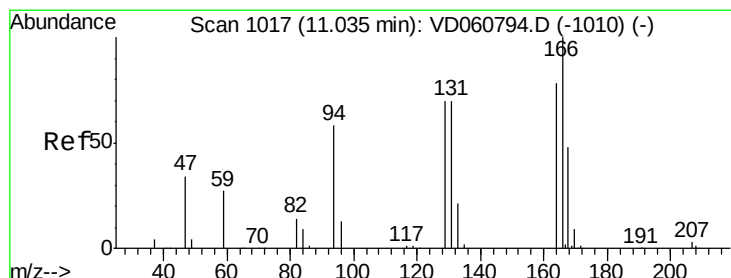
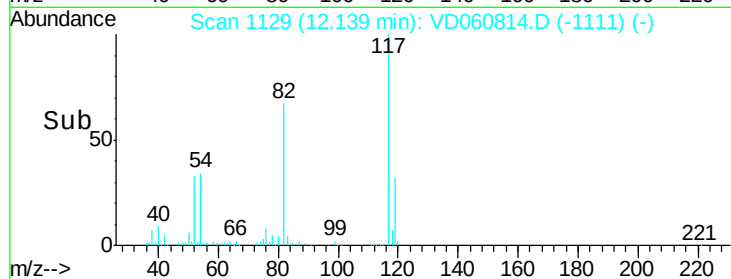
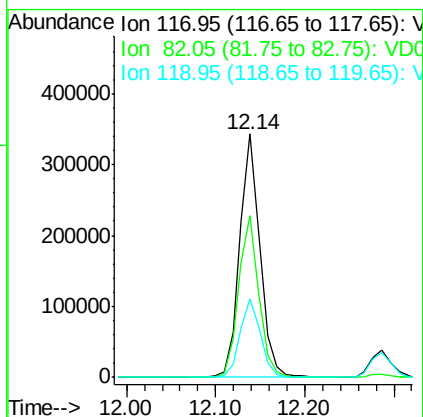
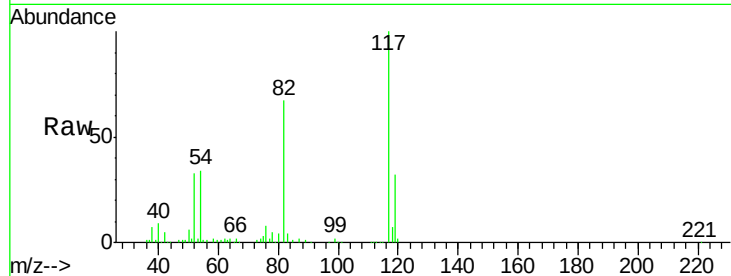
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.14 min Scan# 1129
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	545712		
82	66.5	51.5	77.3	
119	32.5	27.1	40.7	

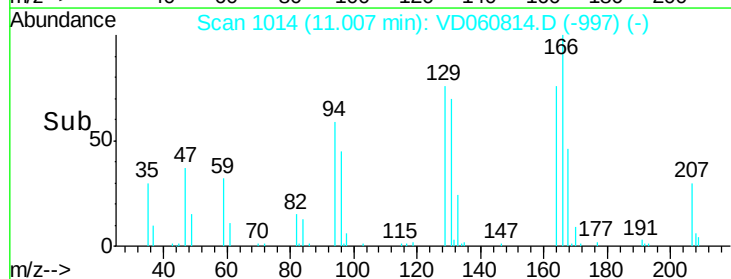
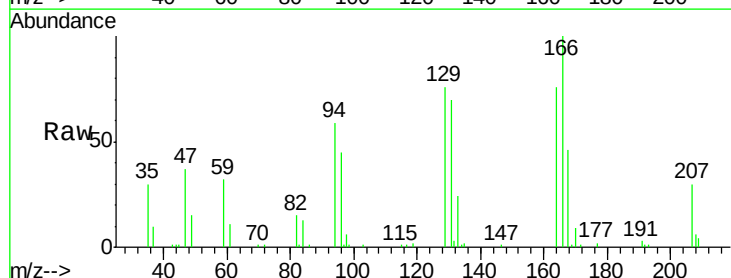
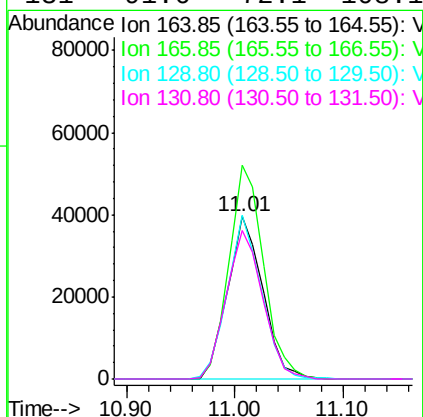
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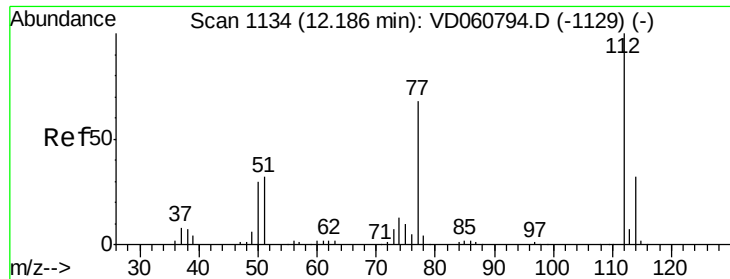
MMDadoda
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#64
Tetrachloroethene
Concen: 17.885 ug/l
RT: 11.01 min Scan# 1014
Delta R.T. -0.03 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	89573		
166	131.6	102.6	154.0	
129	100.6	72.3	108.5	
131	91.6	72.1	108.1	





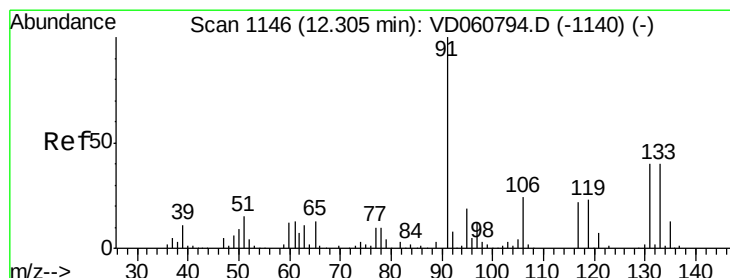
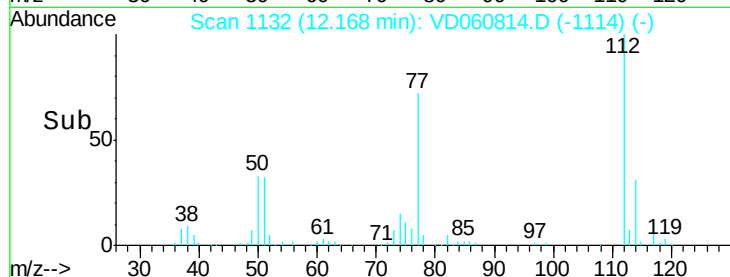
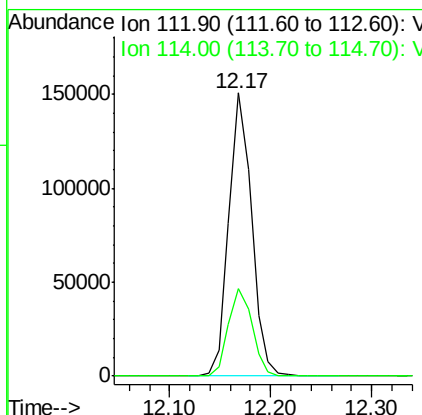
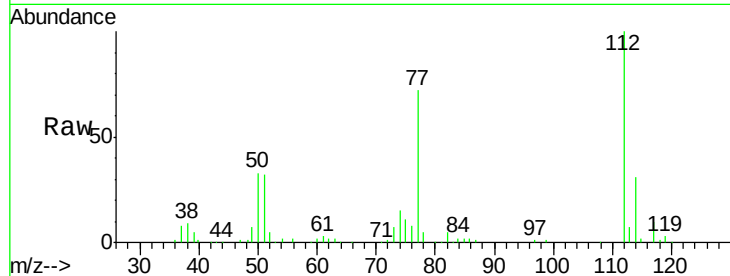
#65
Chlorobenzene
Concen: 19.039 ug/l
RT: 12.17 min Scan# 1132
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion:112 Resp: 237427
Ion Ratio Lower Upper
112 100
114 31.1 25.2 37.8

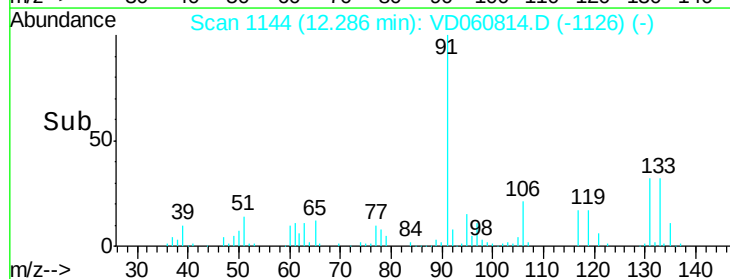
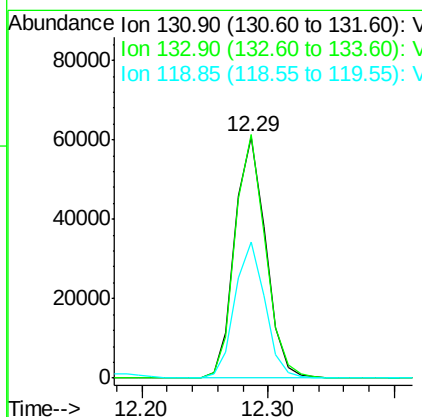
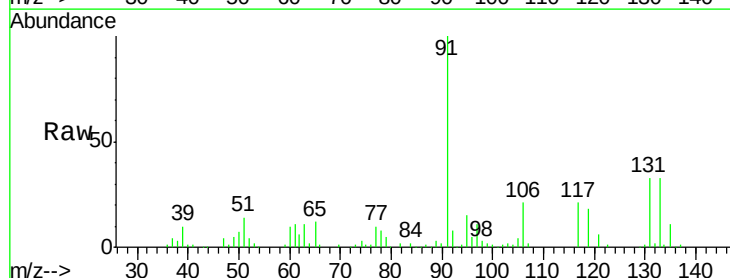
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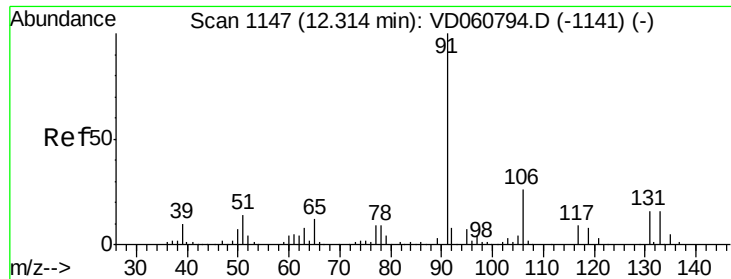
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.187 ug/l
RT: 12.29 min Scan# 1144
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion:131 Resp: 102802
Ion Ratio Lower Upper
131 100
133 100.8 49.9 149.7
119 56.3 28.5 85.5





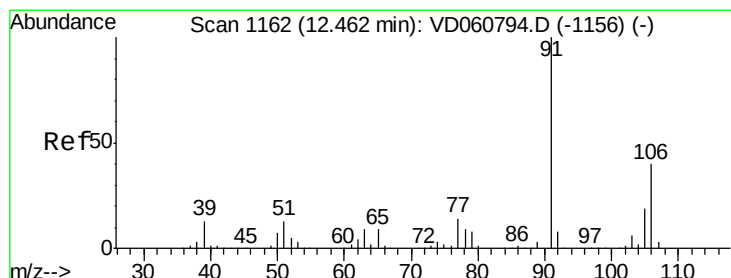
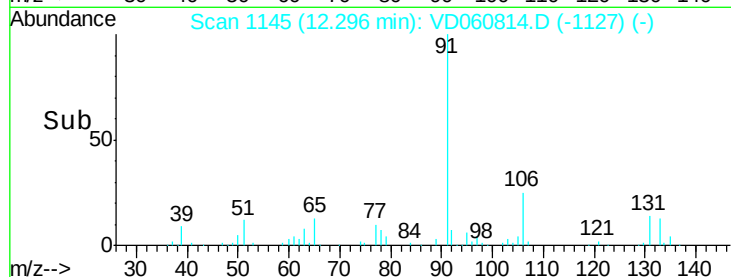
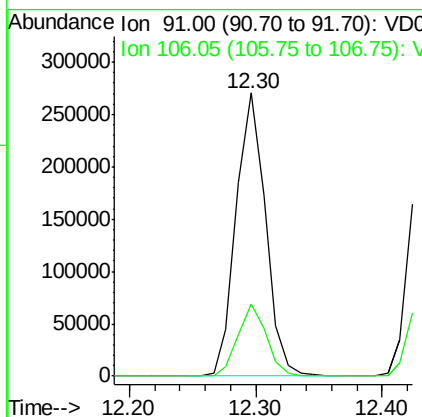
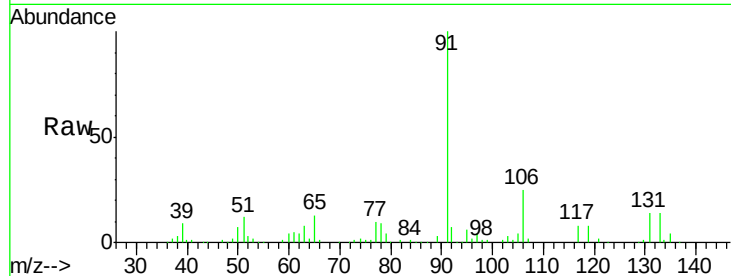
#67
Ethyl Benzene
Concen: 19.516 ug/l
RT: 12.30 min Scan# 1145
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion: 91 Resp: 437633
Ion Ratio Lower Upper
91 100
106 25.3 21.0 31.6

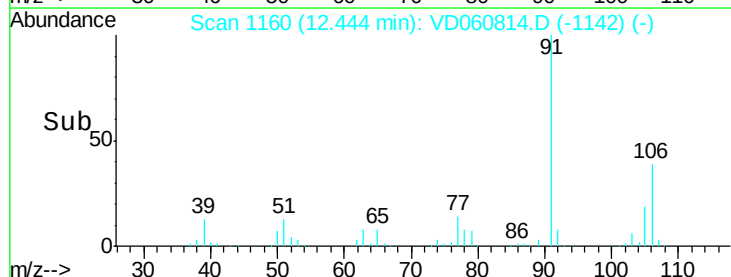
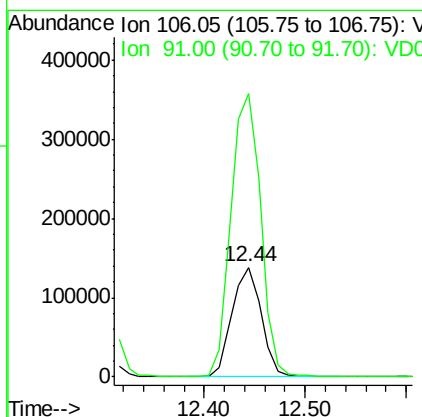
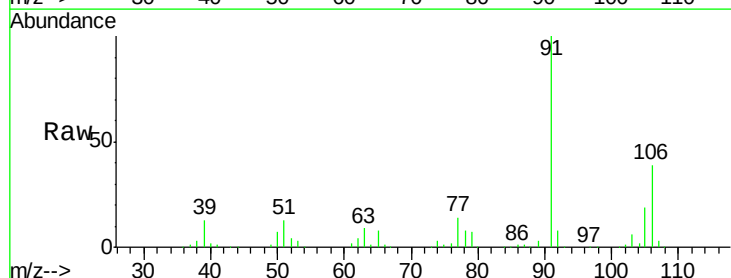
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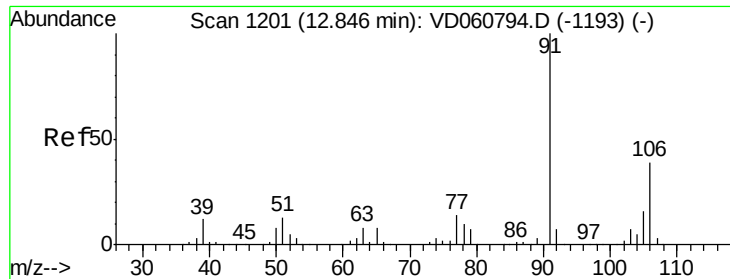
MMDadoda
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#68
m/p-Xylenes
Concen: 38.107 ug/l
RT: 12.44 min Scan# 1160
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion: 106 Resp: 278023
Ion Ratio Lower Upper
106 100
91 258.7 200.5 300.7





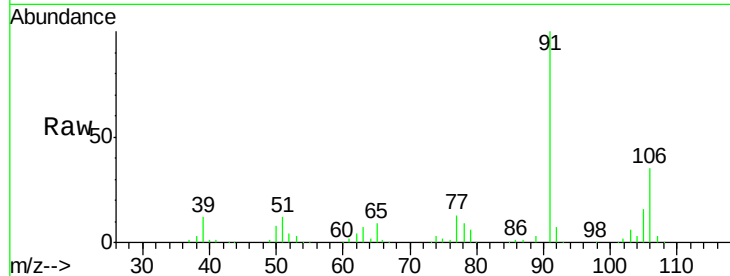
#69
o-Xylene
Concen: 18.678 ug/l
RT: 12.83 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

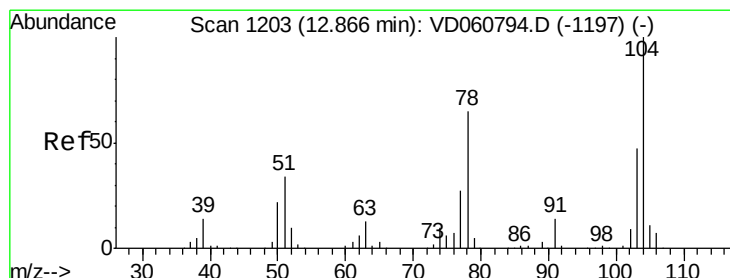
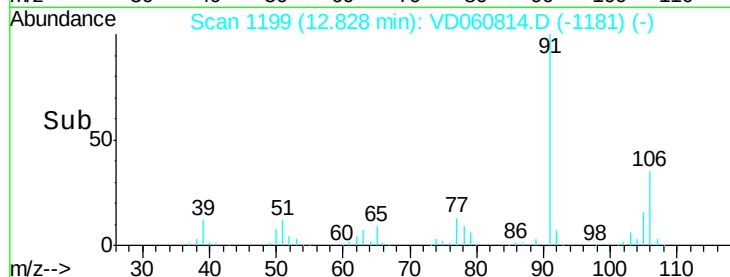
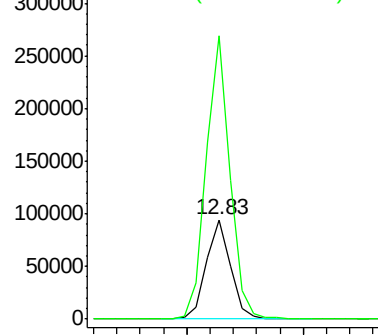
Tot Ion:106 Resp: 134875
Ion Ratio Lower Upper
106 100
91 285.8 127.6 382.7

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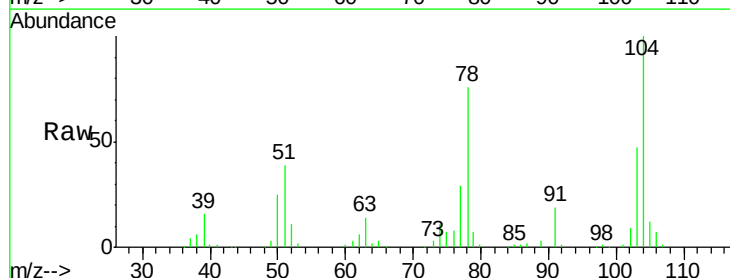


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

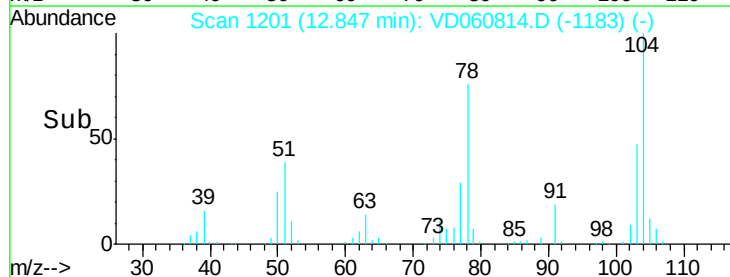
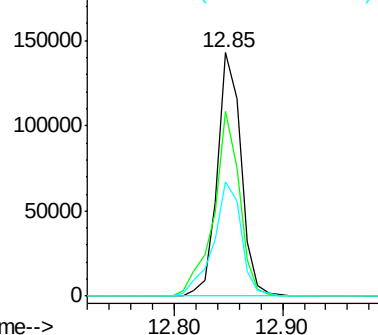


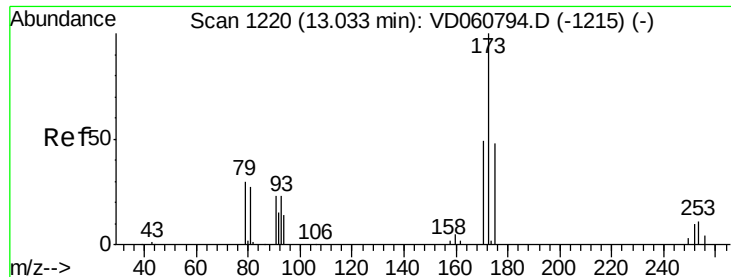
#70
Styrene
Concen: 17.951 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion:104 Resp: 217366
Ion Ratio Lower Upper
104 100
78 75.8 52.0 78.0
103 47.1 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





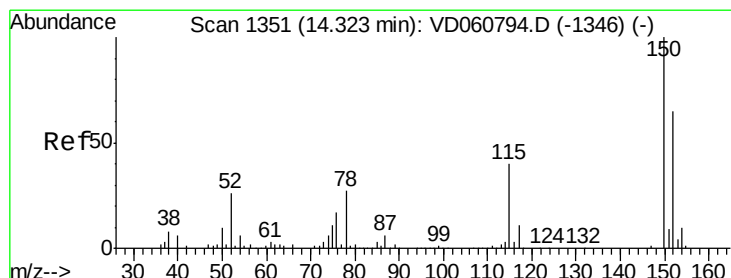
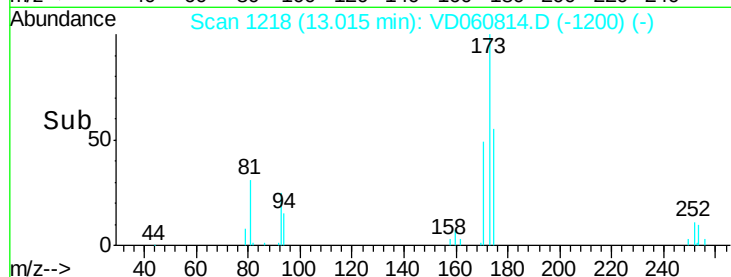
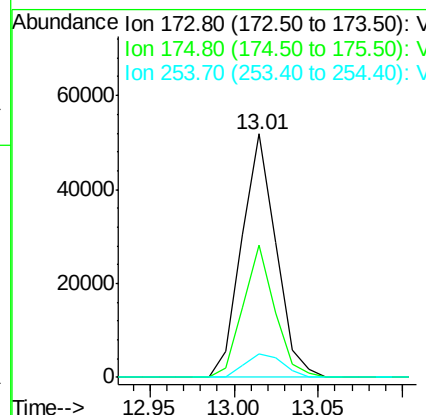
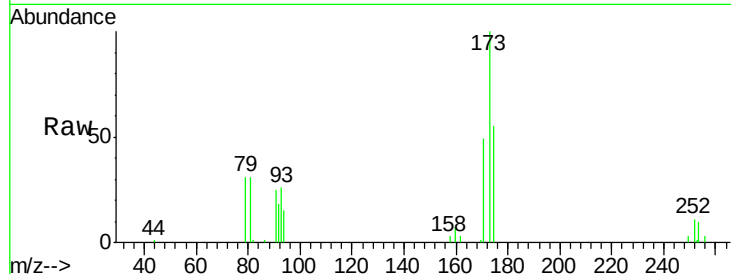
#71
Bromoform
Concen: 18.145 ug/l
RT: 13.01 min Scan# 1218
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	54.5	24.1	72.4
254	9.8	9.1	13.7

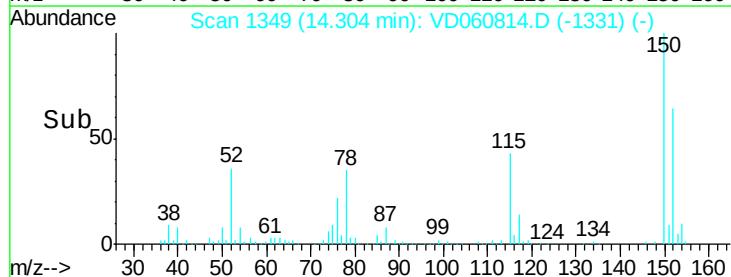
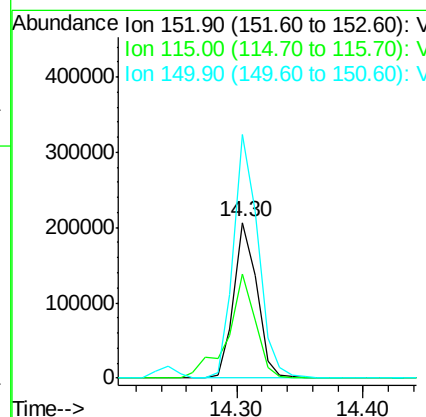
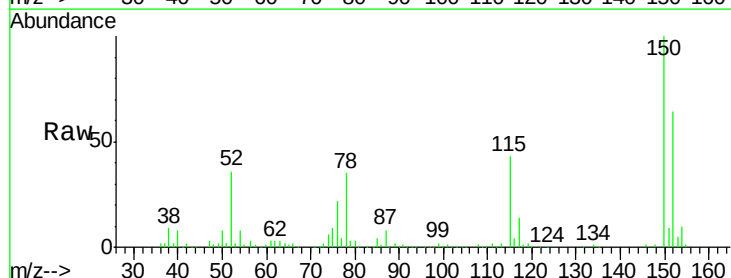
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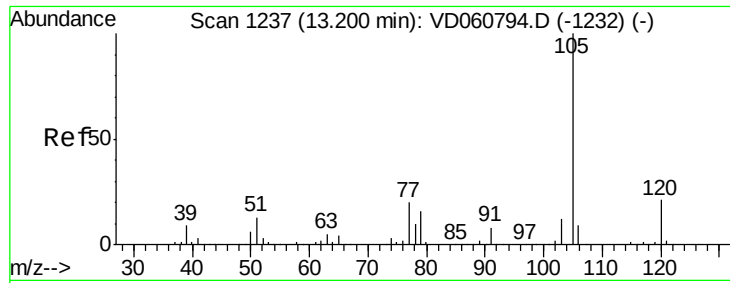
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.30 min Scan# 1349
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.3	31.6	95.0
150	156.8	0.0	317.6





#73

Isopropylbenzene

Concen: 21.729 ug/l

RT: 13.18 min Scan# 1235

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

Tot Ion: 105 Resp: 452597

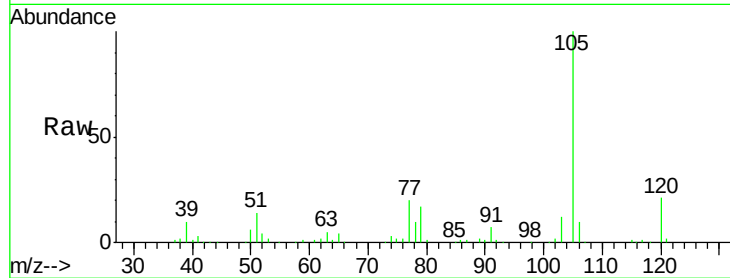
Ion Ratio Lower Upper

105 100

120 20.6 10.7 32.1

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.18

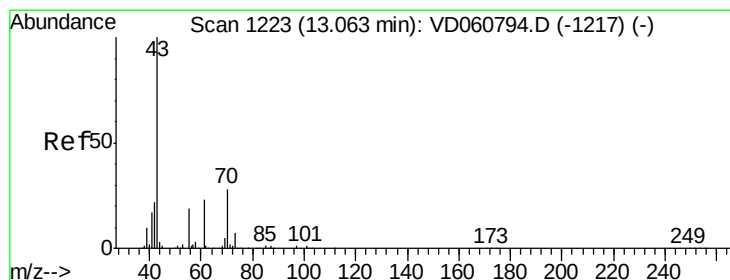
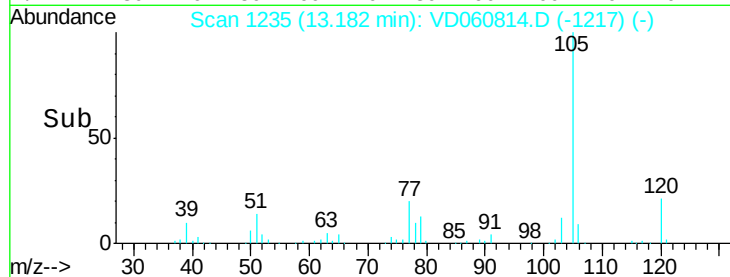
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 18.386 ug/l

RT: 13.04 min Scan# 1221

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Tgt Ion: 43 Resp: 117734

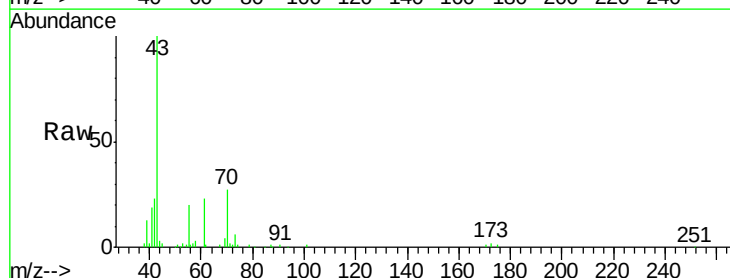
Ion Ratio Lower Upper

43 100

70 27.4 22.2 33.4

55 19.9 15.5 23.3

61 22.6 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

120000

100000

80000

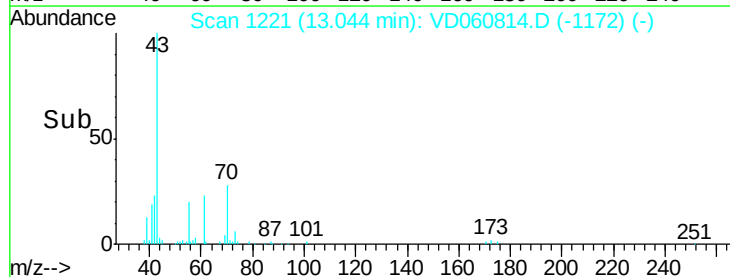
60000

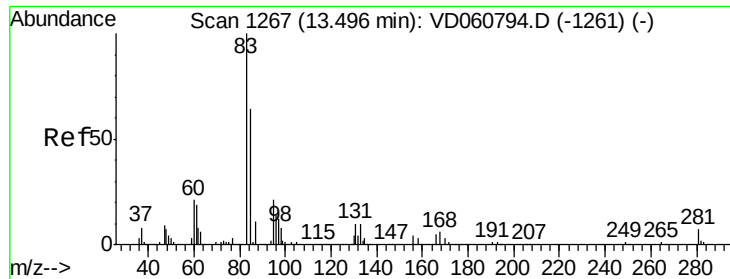
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.027 ug/l

RT: 13.49 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

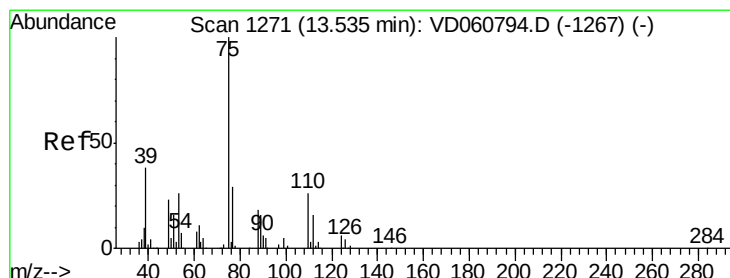
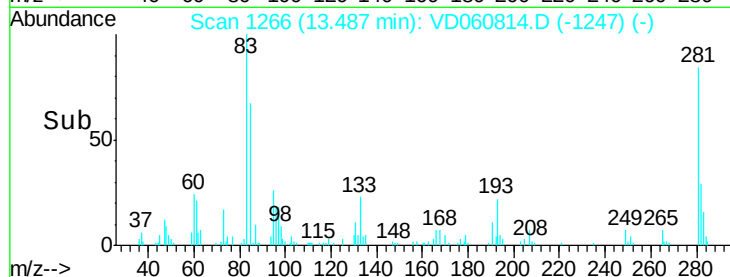
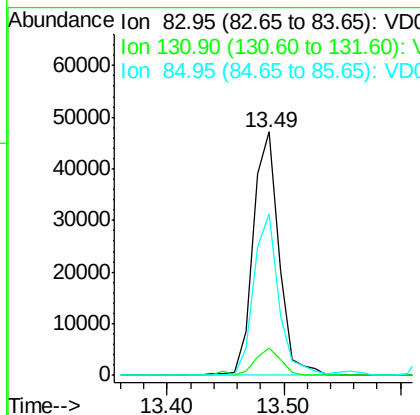
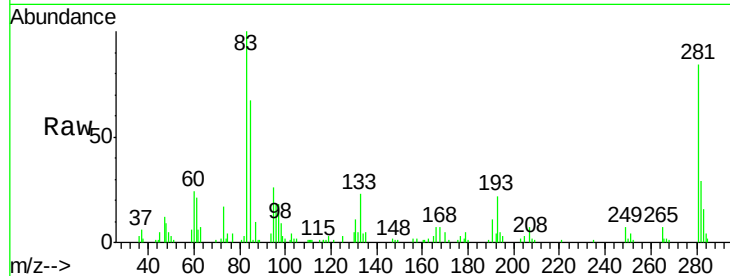
ClientSampleId :

VD0201SBS01

Tot Ion:	83	Resp:	72161
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.0	15.0
85	66.5	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.525 ug/l

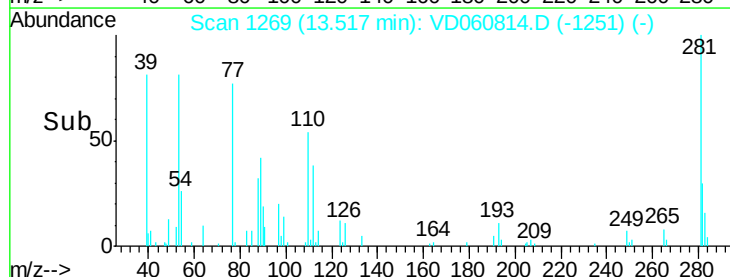
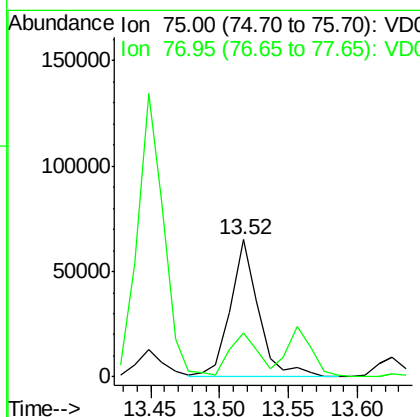
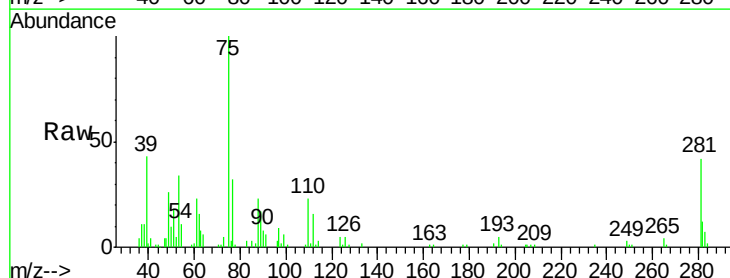
RT: 13.52 min Scan# 1269

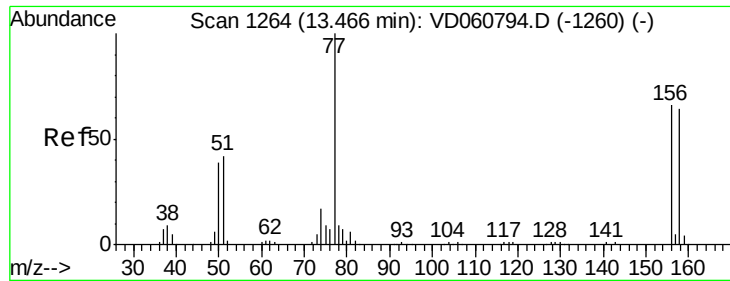
Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Tgt Ion:	75	Resp:	93537
Ion Ratio	Lower	Upper	
75	100		
77	32.2	15.9	47.7





#77

Bromobenzene

Concen: 20.844 ug/l

RT: 13.45 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

Tot Ion:156 Resp: 111603

Ion Ratio Lower Upper

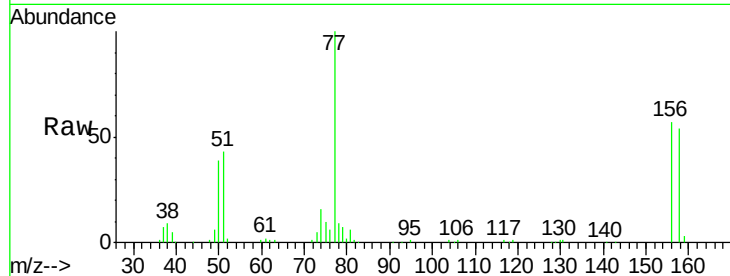
156 100

77 175.3 76.0 228.0

158 93.8 48.4 145.0

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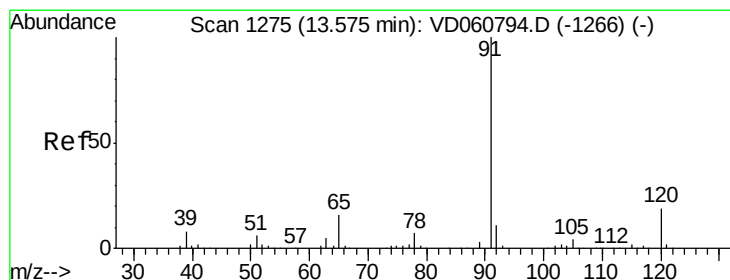
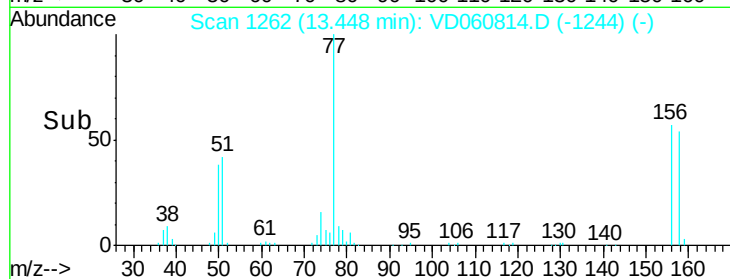
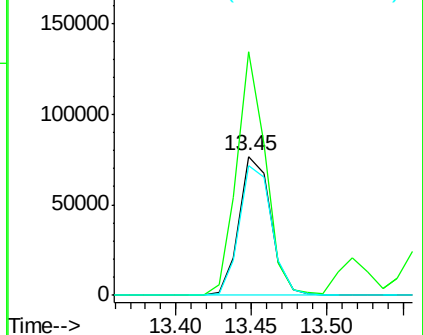
MMDadoda
2/4/2019 4:42:48 PM



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: 21.895 ug/l

RT: 13.56 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VD060814.D

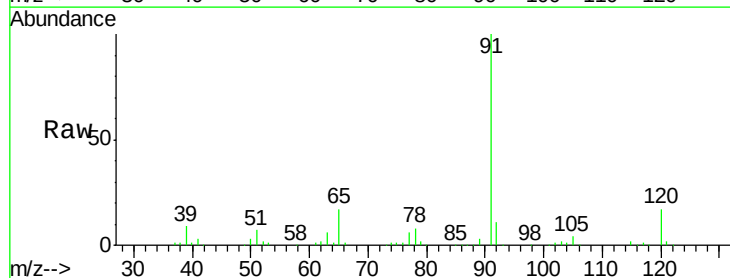
Acq: 1 Feb 2019 12:49

Tgt Ion: 91 Resp: 572509

Ion Ratio Lower Upper

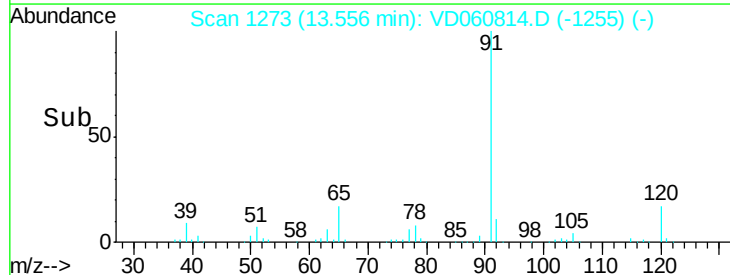
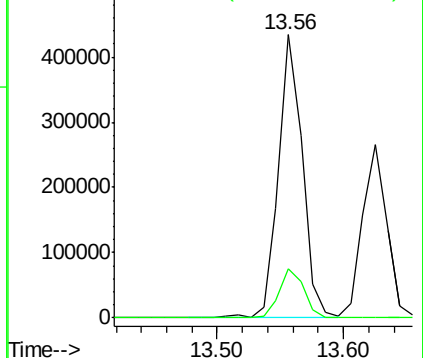
91 100

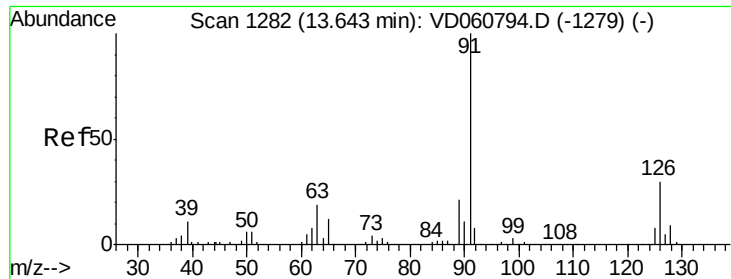
120 17.1 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.434 ug/l

RT: 13.63 min Scan# 1280

Delta R.T. -0.02 min

Lab File: VD060814.D

Acq: 1 Feb 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

Tot Ion: 91 Resp: 357789

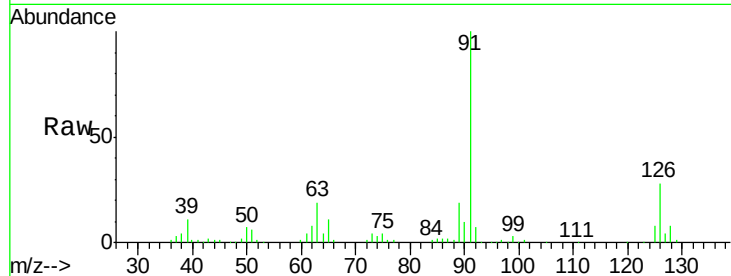
Ion Ratio Lower Upper

91 100

126 27.7 14.7 44.1

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Abundance Ion 91.00 (90.70 to 91.70): VD060814.D (-1279) (-)

Ion 125.95 (125.65 to 126.65): VD060814.D (-1279) (-)

500000

400000

300000

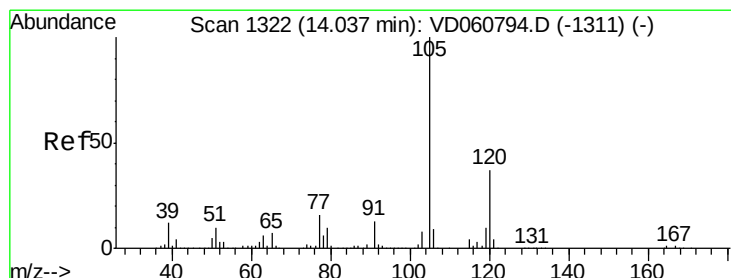
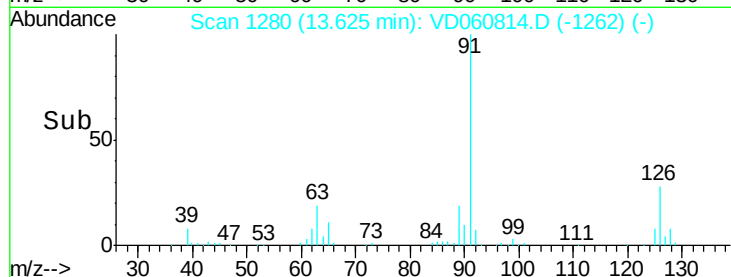
200000

100000

0

13.60 13.63 13.65 13.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.633 ug/l

RT: 14.03 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VD060814.D

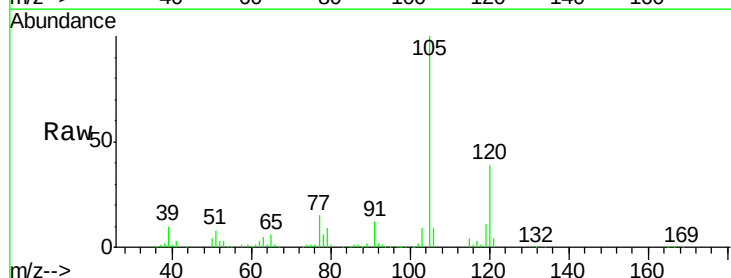
Acq: 1 Feb 2019 12:49

Tgt Ion: 105 Resp: 387920

Ion Ratio Lower Upper

105 100

120 39.0 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): VD060814.D (-1302) (-)

Ion 120.05 (119.75 to 120.75): VD060814.D (-1302) (-)

400000

300000

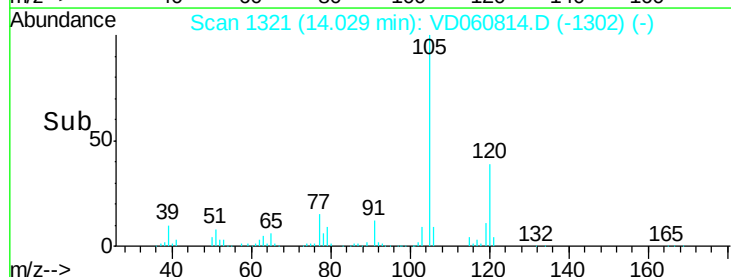
200000

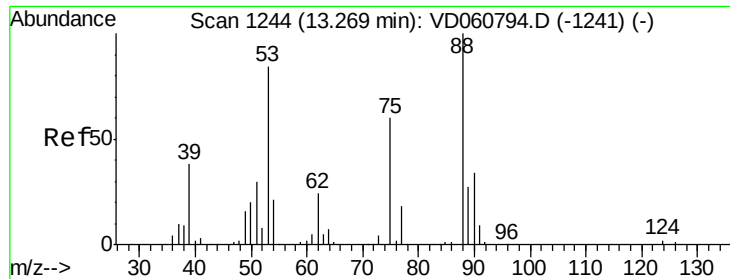
100000

0

13.90 14.00 14.10

Time-->





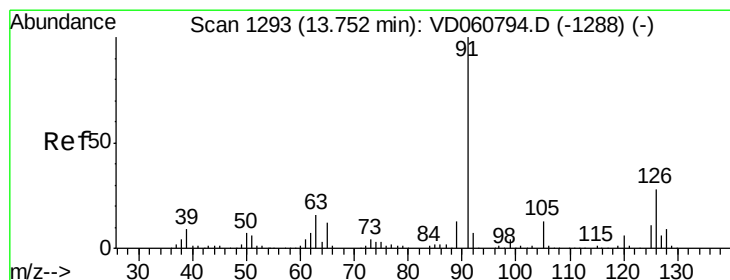
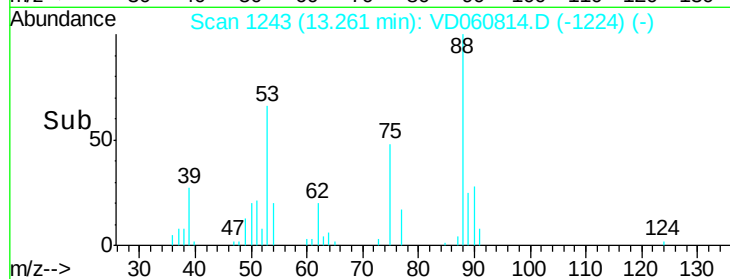
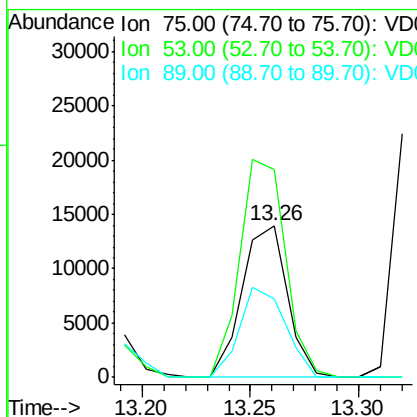
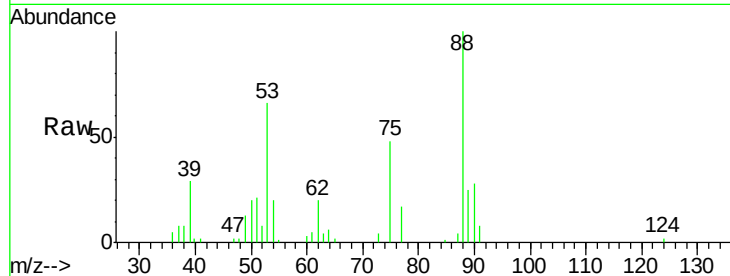
#81
trans-1,4-Dichloro-2-butene
Concen: 16.194 ug/l
RT: 13.26 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	136.9	111.6	167.4
89	52.0	35.9	53.9

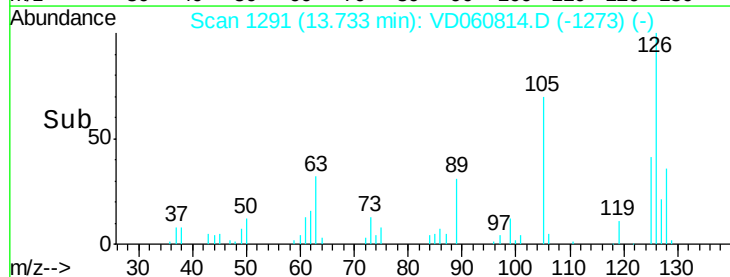
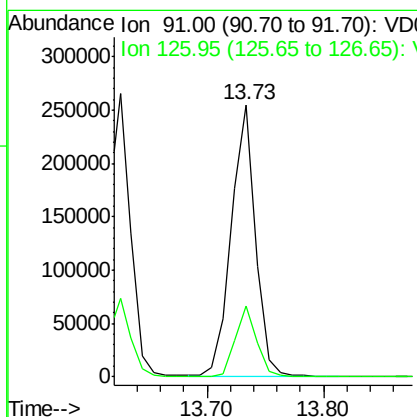
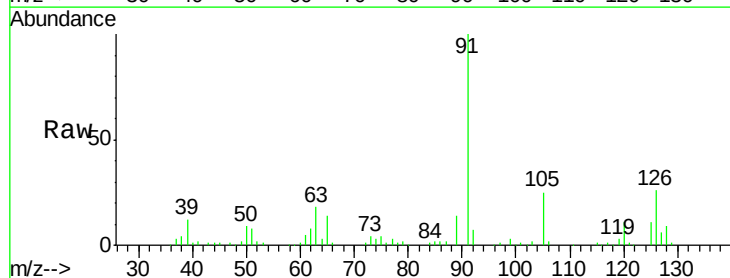
Manual Integrations
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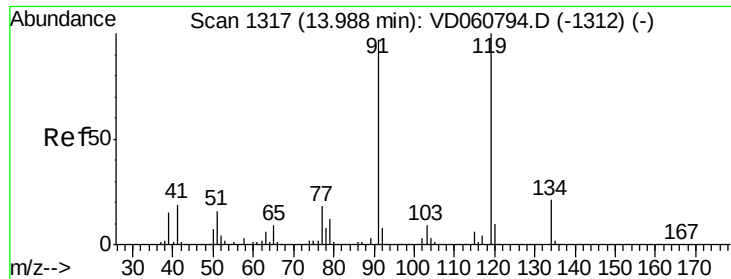
MMDadoda
2/4/2019 4:42:48 PM



#82
4-Chlorotoluene
Concen: 20.640 ug/l
RT: 13.73 min Scan# 1291
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	26.2	13.9	41.7





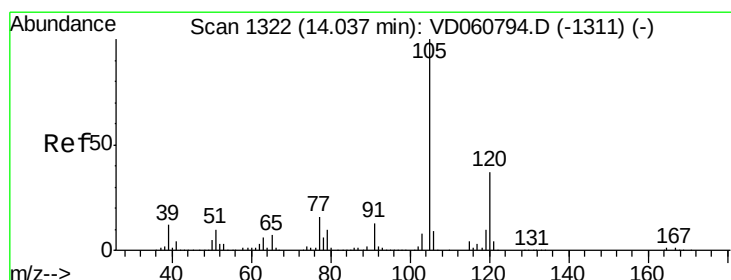
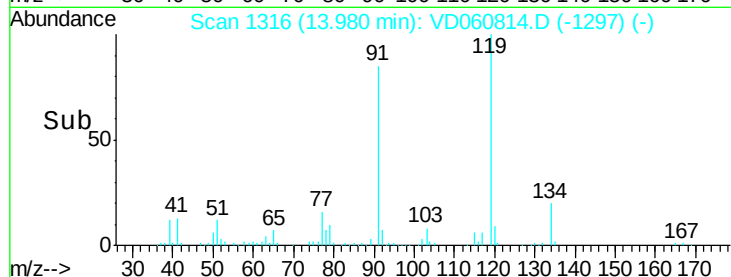
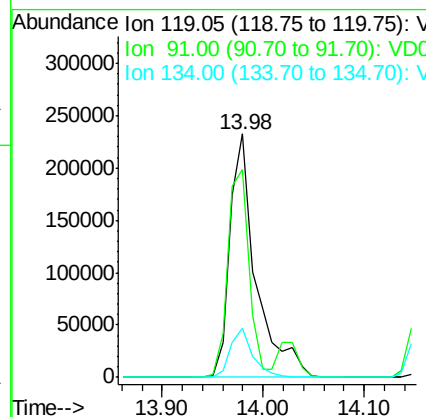
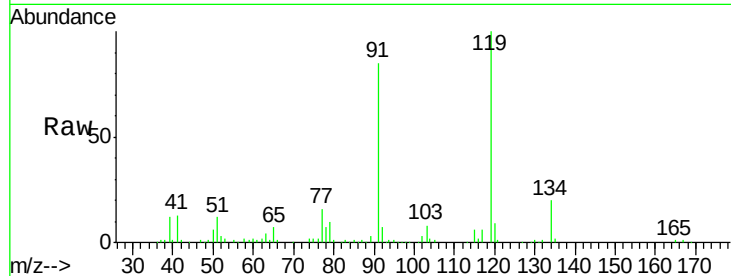
#83
tert-Butylbenzene
Concen: 22.292 ug/l
RT: 13.98 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	418212		
91	85.1	48.5	145.5	
134	20.2	10.3	30.8	

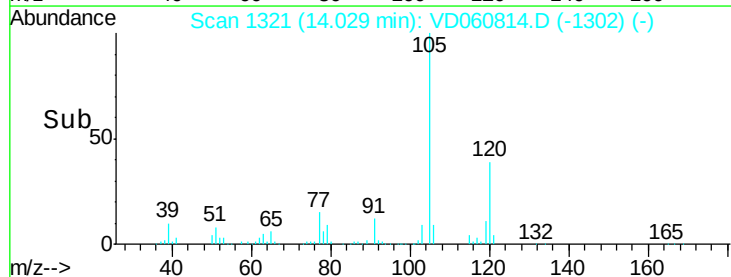
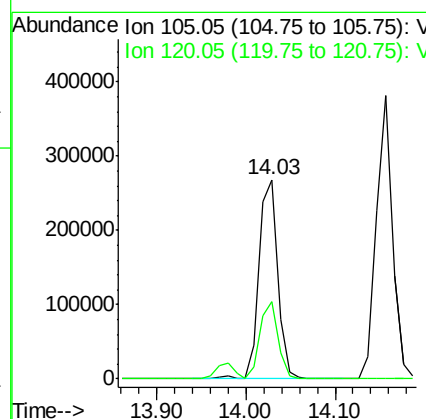
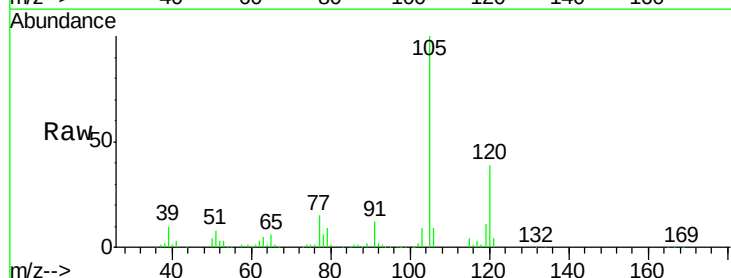
Manual Integrations
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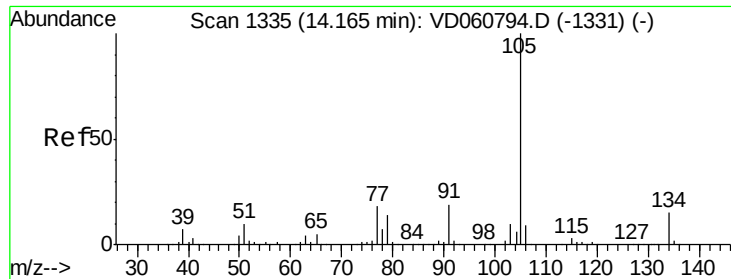
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.633 ug/l
RT: 14.03 min Scan# 1321
Delta R.T. -0.01 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	387920		
120	39.0	18.4	55.2	





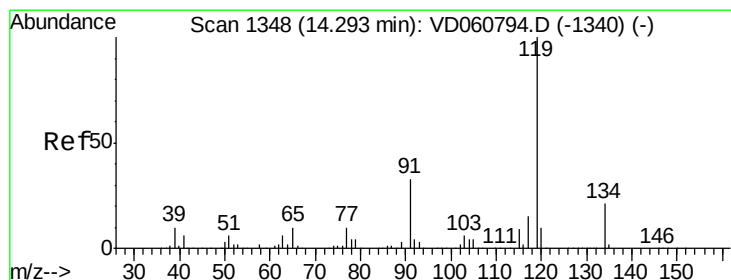
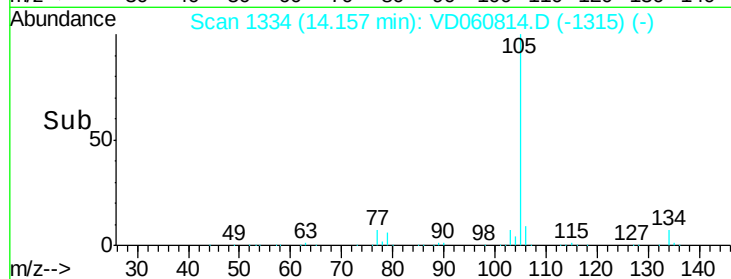
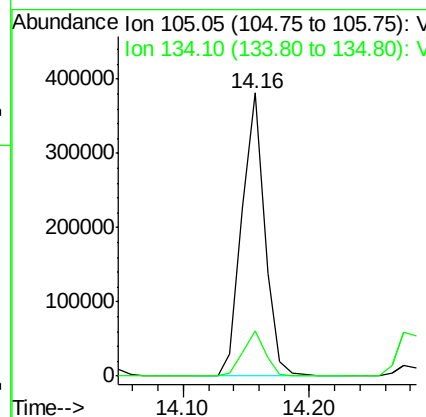
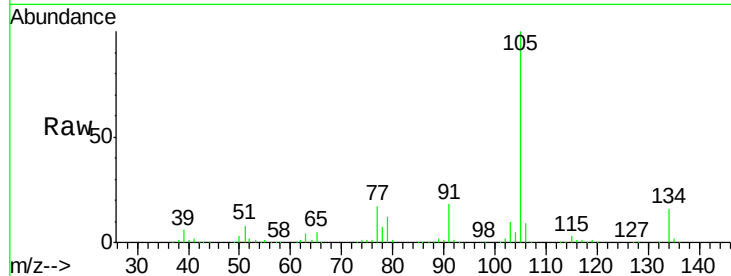
#85
 sec-Butylbenzene
 Concen: 22.237 ug/l
 RT: 14.16 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

Tot Ion:105 Resp: 474887
 Ion Ratio Lower Upper
 105 100
 134 16.0 7.4 22.2

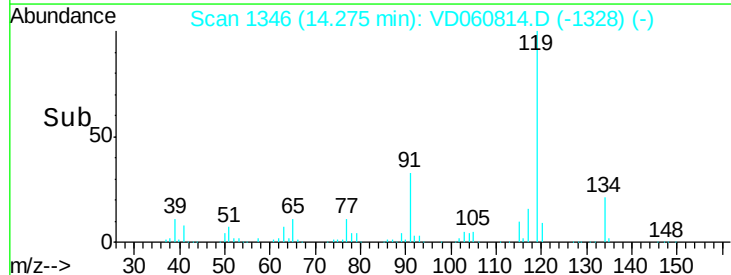
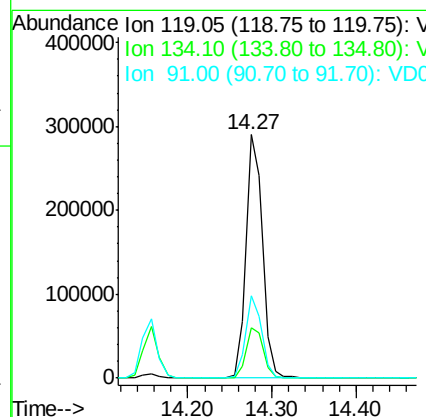
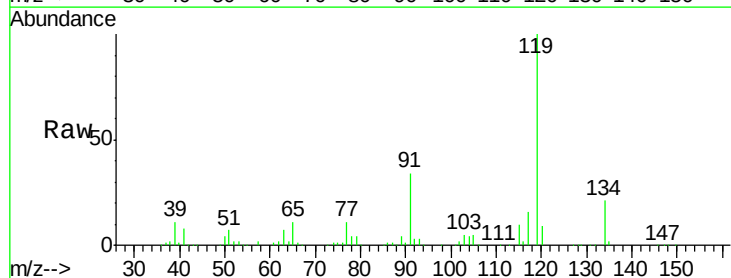
Manual Integrations
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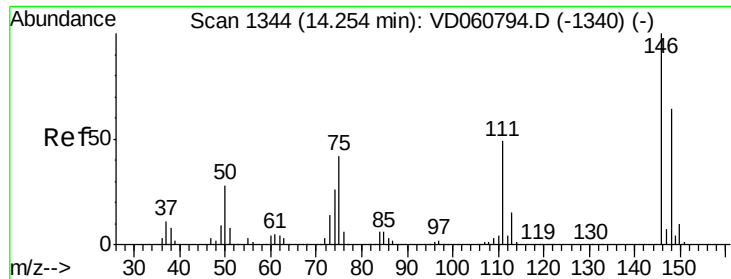
MMDadoda
 2/4/2019 4:42:48 PM



#86
 p-Isopropyltoluene
 Concen: 22.752 ug/l
 RT: 14.27 min Scan# 1346
 Delta R.T. -0.02 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Tgt Ion:119 Resp: 394486
 Ion Ratio Lower Upper
 119 100
 134 20.5 10.8 32.3
 91 33.6 16.7 50.0





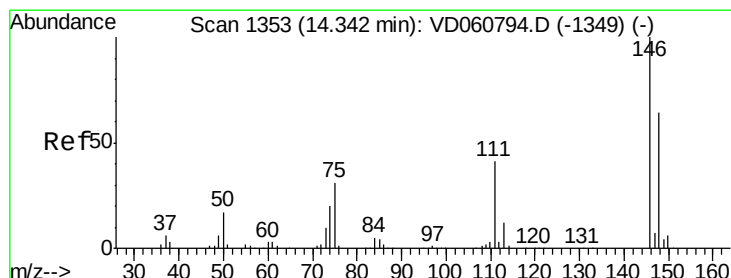
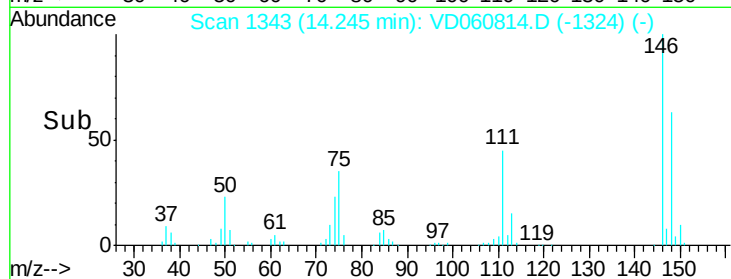
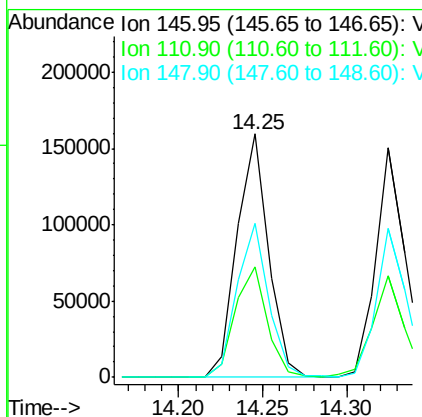
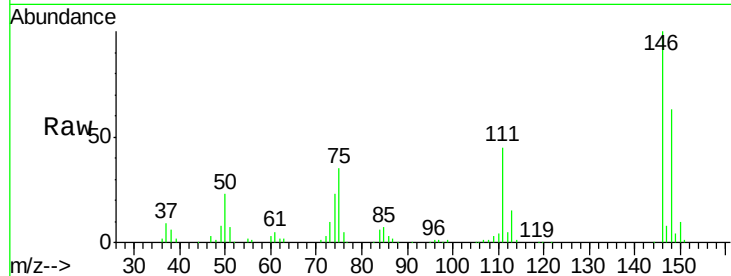
#87
 1,3-Dichlorobenzene
 Concen: 21.616 ug/l
 RT: 14.25 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	24.3	73.0
148	63.1	32.1	96.5

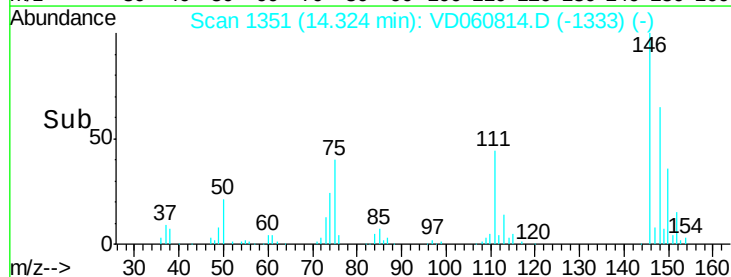
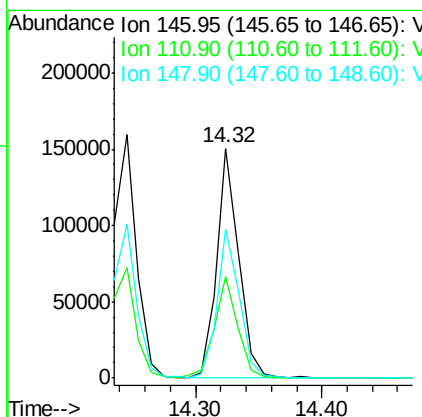
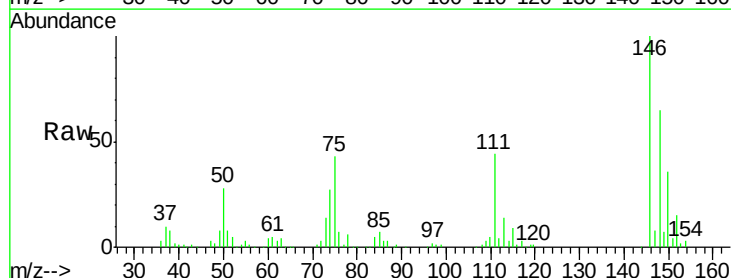
Manual Integrations
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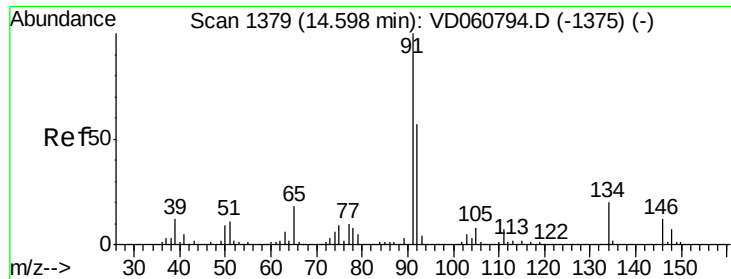
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#88
 1,4-Dichlorobenzene
 Concen: 19.758 ug/l
 RT: 14.32 min Scan# 1351
 Delta R.T. -0.02 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	20.6	61.8
148	64.9	31.9	95.7





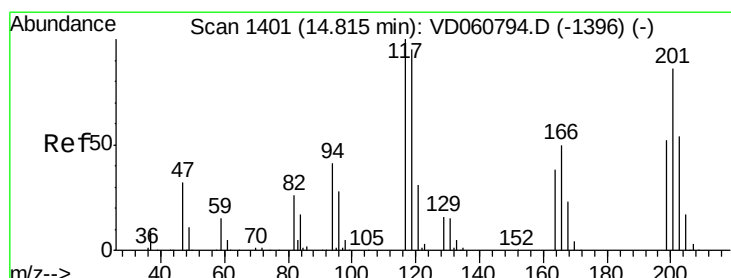
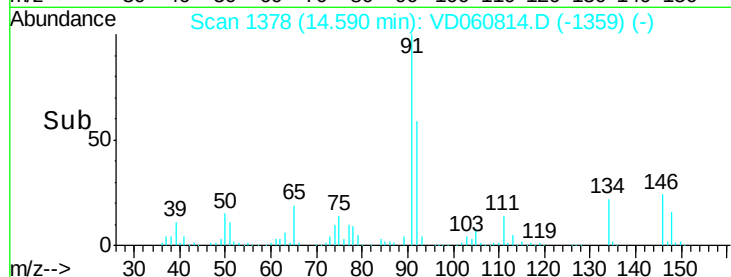
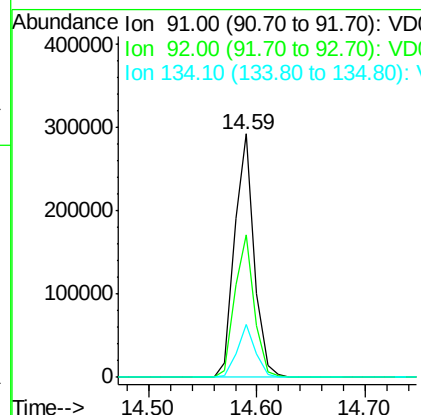
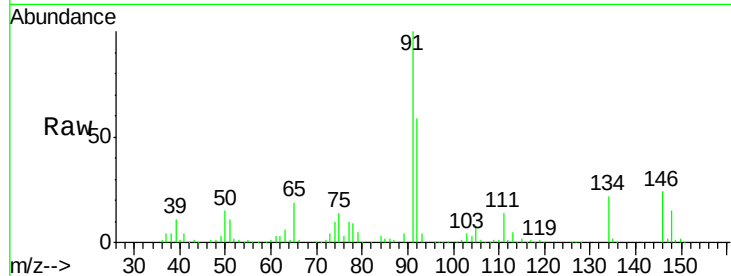
#89
n-Butylbenzene
Concen: 20.365 ug/l
RT: 14.59 min Scan# 1378
Delta R.T. -0.01 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	368400		
92	58.6	28.5	85.5	
134	21.7	10.0	29.8	

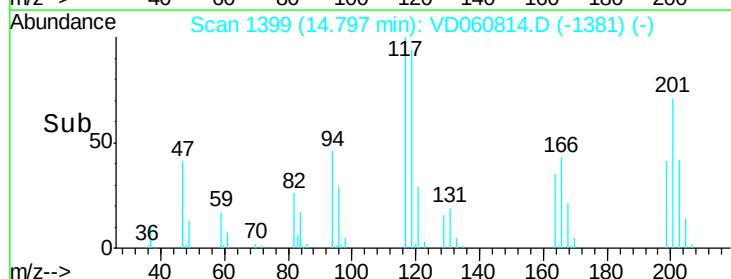
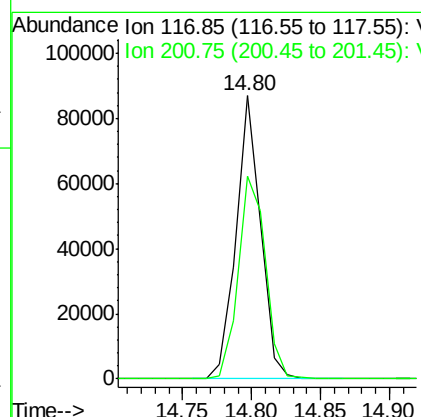
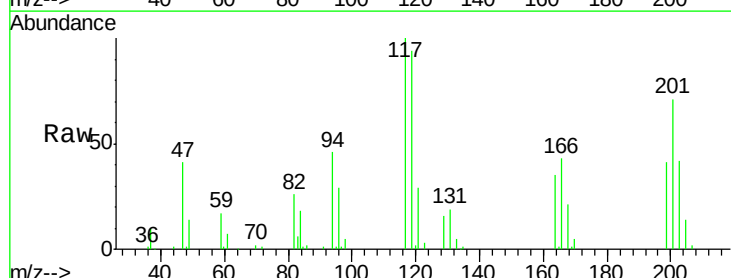
Manual Integrations
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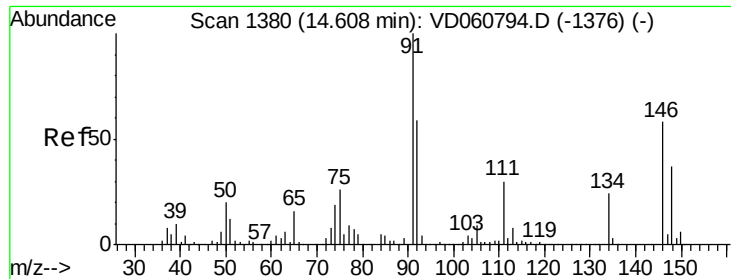
MMDadoda
2/4/2019 4:42:48 PM



#90
Hexachloroethane
Concen: 20.919 ug/l
RT: 14.80 min Scan# 1399
Delta R.T. -0.02 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	107933		
201	71.5	43.0	128.8	





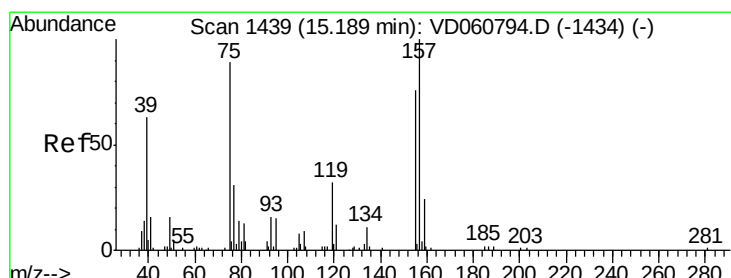
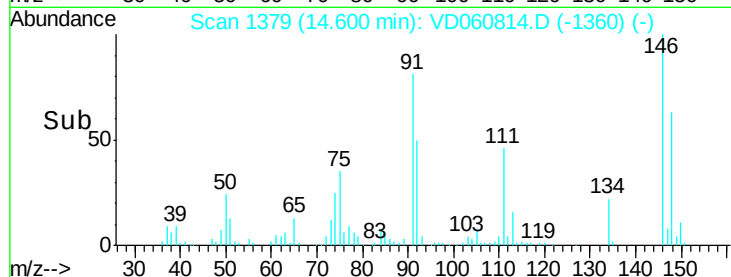
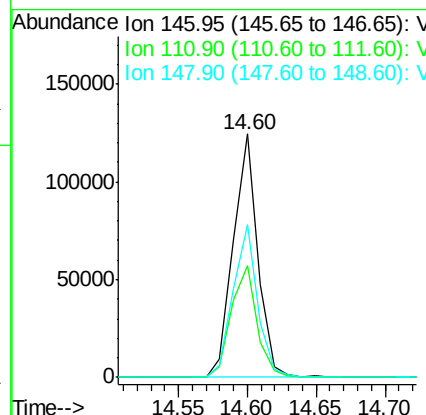
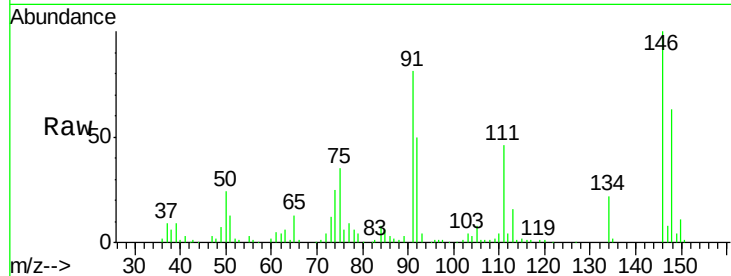
#91
 1,2-Dichlorobenzene
 Concen: 19.296 ug/l
 RT: 14.60 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	25.6	76.8
148	62.5	31.4	94.3

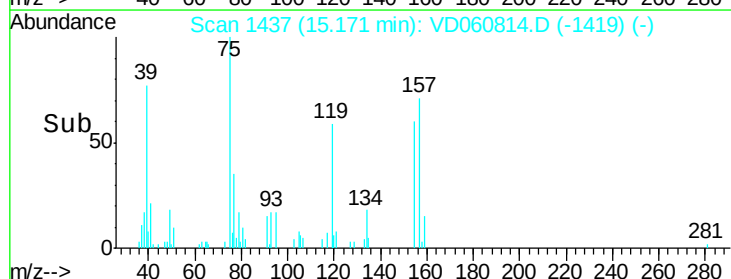
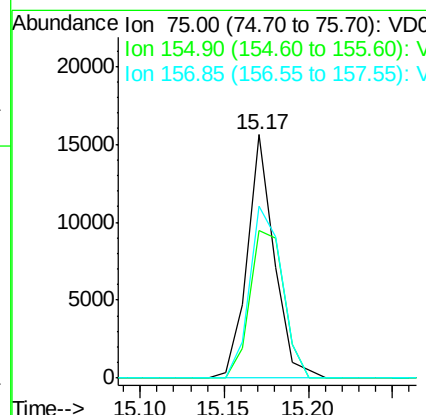
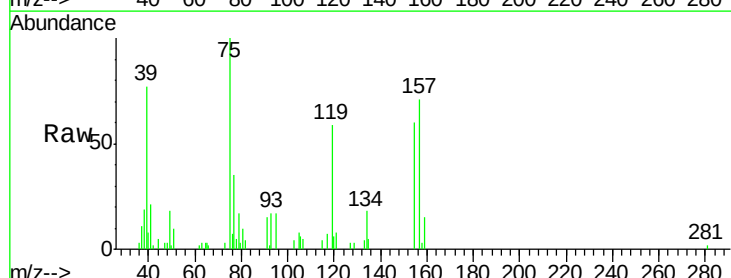
Manual Integrations
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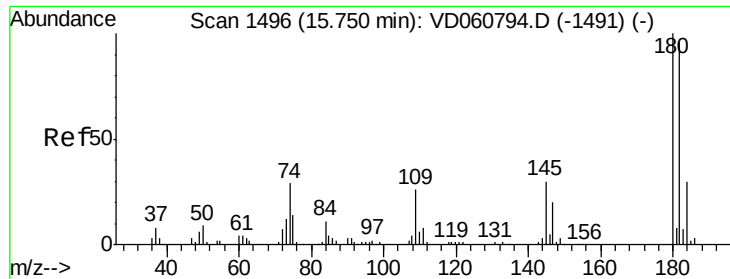
MMDadoda
 2/4/2019 4:42:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.178 ug/l
 RT: 15.17 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	60.4	43.0	129.0
157	70.6	56.3	168.9





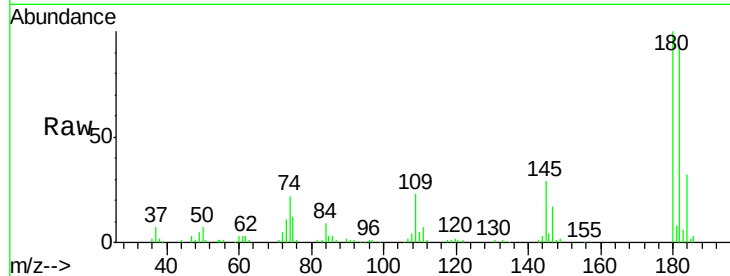
#93
 1,2,4-Trichlorobenzene
 Concen: 22.548 ug/l
 RT: 15.74 min Scan# 1495
 Delta R.T. -0.01 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

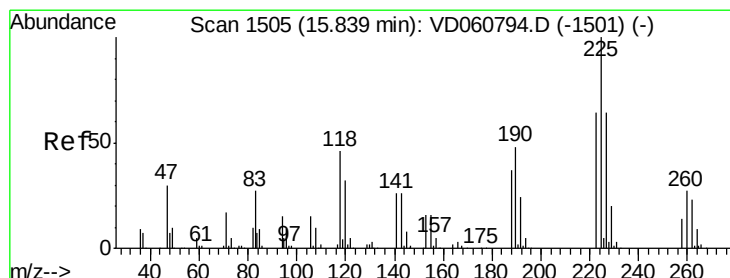
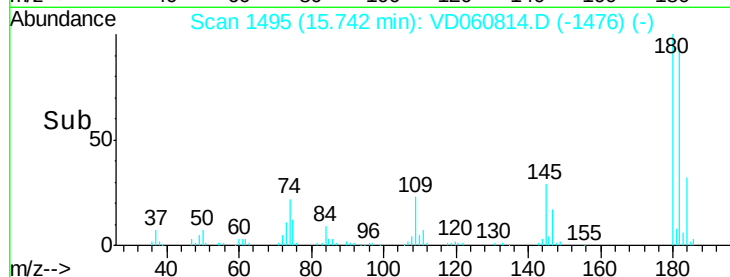
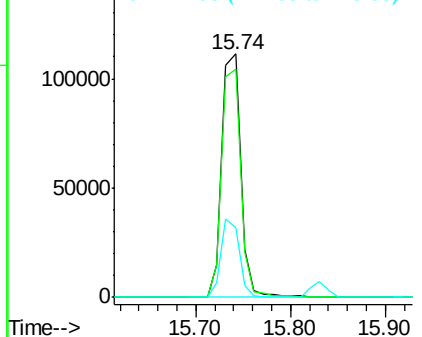
Tot Ion	Ratio	Resp	Lower	Upper
180	100	155198		
182	93.5	47.9	143.7	
145	28.8	15.0	45.1	

Manual Integrations
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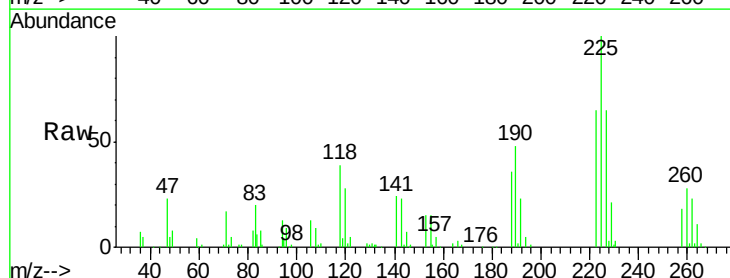


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

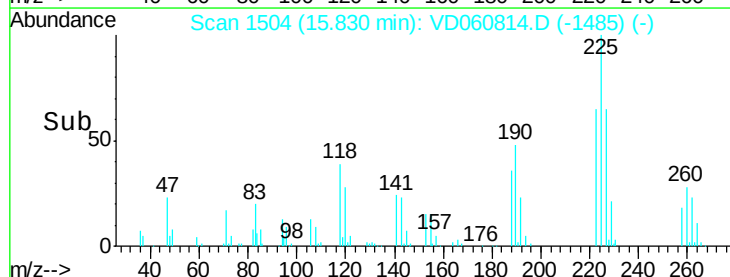
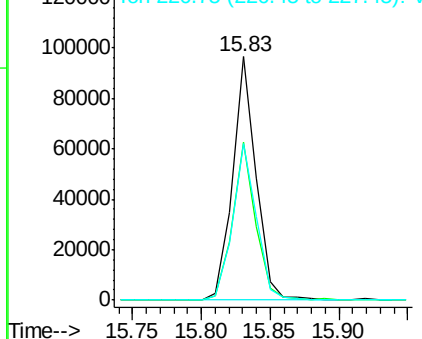


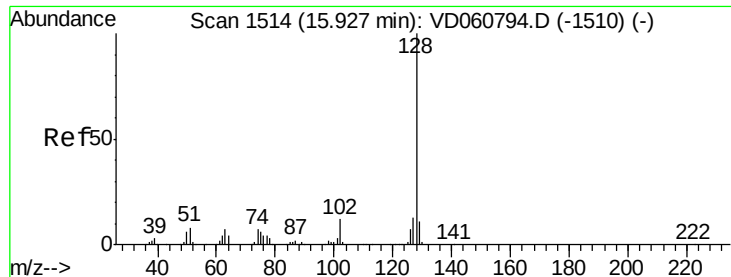
#94
 Hexachlorobutadiene
 Concen: 22.023 ug/l
 RT: 15.83 min Scan# 1504
 Delta R.T. -0.01 min
 Lab File: VD060814.D
 Acq: 1 Feb 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113736		
223	64.6	31.8	95.4	
227	64.5	31.9	95.5	



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





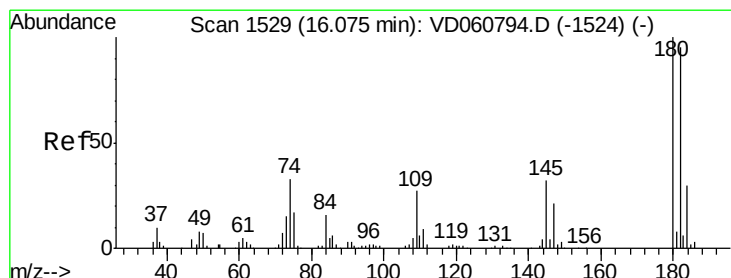
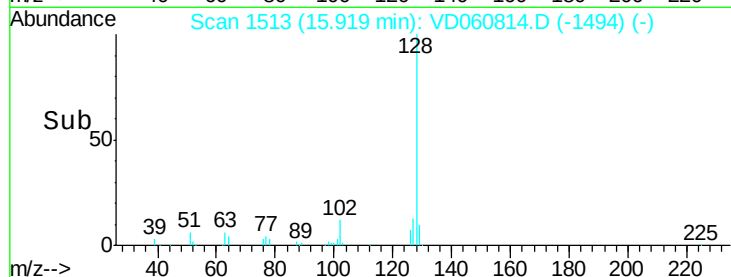
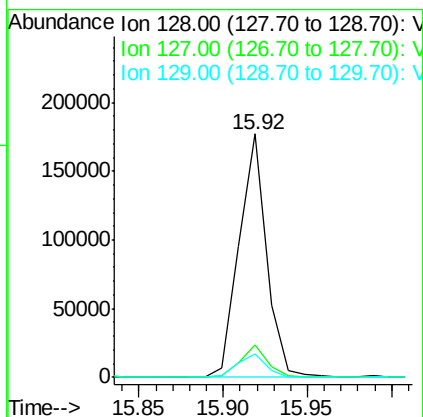
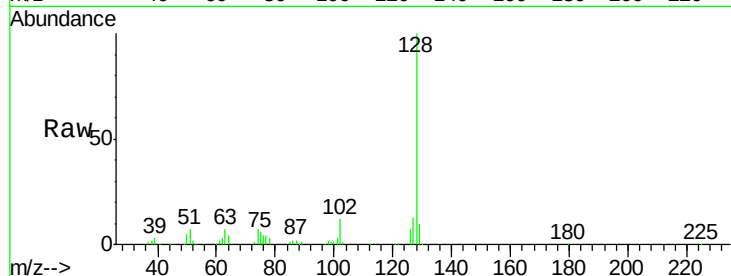
#95
Naphthalene
Concen: 19.014 ug/l
RT: 15.92 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	201085		
127	13.5		10.4	15.6
129	9.7		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.748 ug/l
RT: 16.07 min Scan# 1528
Delta R.T. -0.01 min
Lab File: VD060814.D
Acq: 1 Feb 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	118197		
182	94.3		47.4	142.3
145	31.4		15.8	47.4

