

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060831.D
 Acq On : 1 Feb 2019 20:51
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 4:43:12 PM

Quant Time: Feb 02 02:19:09 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	390715	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.95	114	512135	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.14	117	447963	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.31	152	253506	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.19	65	376529	62.86	ug/l	-0.03
Spiked Amount			Recovery	=	125.72%	
35) Dibromofluoromethane	6.65	113	298101	60.69	ug/l	-0.03
Spiked Amount			Recovery	=	121.38%	
50) Toluene-d8	10.16	98	629501	54.88	ug/l	-0.03
Spiked Amount			Recovery	=	109.76%	
62) 4-Bromofluorobenzene	13.34	95	352745	61.19	ug/l	-0.02
Spiked Amount			Recovery	=	122.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	346503	72.941	ug/l	97
3) Chloromethane	1.74	50	168898	59.384	ug/l	98
4) Vinyl Chloride	1.83	62	180404	59.756	ug/l #	88
5) Bromomethane	2.13	94	64099	67.212	ug/l	95
6) Chloroethane	2.23	64	83493	84.346	ug/l #	86
7) Trichlorofluoromethane	2.47	101	472140	79.447	ug/l	97
8) Diethyl Ether	2.78	74	57989	66.220	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.04	101	224883	74.668	ug/l	94
10) Methyl Iodide	3.19	142	223442	70.861	ug/l	98
11) Tert butyl alcohol	3.90	59	96617	337.521	ug/l	95
12) 1,1-Dichloroethene	3.02	96	149039	72.415	ug/l	91
13) Acrolein	2.94	56	27527	288.662	ug/l	88
14) Allyl chloride	3.48	41	338934	70.765	ug/l	95
15) Acrylonitrile	4.02	53	187320	292.052	ug/l	97
16) Acetone	3.11	43	303121	350.367	ug/l	97
17) Carbon Disulfide	3.26	76	475649	65.243	ug/l	99
18) Methyl Acetate	3.50	43	132526	77.271	ug/l	97
19) Methyl tert-butyl Ether	4.05	73	625282	66.546	ug/l	99
20) Methylene Chloride	3.65	84	194069	51.118	ug/l	93
21) trans-1,2-Dichloroethene	4.03	96	204135	56.264	ug/l	85
22) Diisopropyl ether	4.86	45	707791	57.347	ug/l	93
23) Vinyl Acetate	4.80	43	2230887	313.878	ug/l	99
24) 1,1-Dichloroethane	4.74	63	464930	57.542	ug/l	97
25) 2-Butanone	5.81	43	355521	321.054	ug/l	97
26) 2,2-Dichloropropane	5.75	77	559683	65.742	ug/l	98
27) cis-1,2-Dichloroethene	5.77	96	219917	53.220	ug/l	89
28) Bromochloromethane	6.16	49	165042	52.362	ug/l #	95
29) Tetrahydrofuran	6.20	42	161254	303.237	ug/l	98
30) Chloroform	6.39	83	618219	64.737	ug/l	97
31) Cyclohexane	6.69	56	302604	55.045	ug/l	95
32) 1,1,1-Trichloroethane	6.60	97	633171	68.850	ug/l	94
36) 1,1-Dichloropropene	6.87	75	400344	65.471	ug/l	98
37) Ethyl Acetate	5.91	43	172944	63.359	ug/l	96
38) Carbon Tetrachloride	6.84	117	570041	74.343	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.61	83	287874	56.216	ug/l	94
40) Benzene	7.19	78	712158	59.010	ug/l	99
41) Methacrylonitrile	6.18	41	114265m	65.915	ug/l	
42) 1,2-Dichloroethane	7.31	62	544289	77.633	ug/l	96
43) Isopropyl Acetate	8.98	43	229599	64.492	ug/l #	96
44) Trichloroethene	8.27	130	245547	60.018	ug/l	89
45) 1,2-Dichloropropane	8.67	63	192084	58.796	ug/l	98
46) Dibromomethane	8.80	93	176699	69.673	ug/l	95
47) Bromodichloromethane	9.12	83	487850	71.266	ug/l	95
48) Methyl methacrylate	8.86	41	165343	67.349	ug/l	93
49) 1,4-Dioxane	8.83	88	25201	1178.262	ug/l #	88
51) 4-Methyl-2-Pentanone	10.05	43	832689	361.175	ug/l	94
52) Toluene	10.26	92	463000	60.481	ug/l	99
53) t-1,3-Dichloropropene	10.66	75	404335	67.149	ug/l	95
54) cis-1,3-Dichloropropene	9.79	75	410727	66.517	ug/l	93
55) 1,1,2-Trichloroethane	10.95	97	171691	65.781	ug/l	96
56) Ethyl methacrylate	10.80	69	211480	66.886	ug/l #	89
57) 1,3-Dichloropropane	11.17	76	298837	66.993	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.60	63	511225	308.158	ug/l	98
59) 2-Hexanone	11.29	43	601807	347.162	ug/l	90
60) Dibromochloromethane	11.45	129	335939	71.594	ug/l	95
61) 1,2-Dibromoethane	11.57	107	218179	70.979	ug/l	99
64) Tetrachloroethene	11.01	164	224892	54.702	ug/l	93
65) Chlorobenzene	12.17	112	548618	53.592	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.29	131	280661	63.814	ug/l	99
67) Ethyl Benzene	12.30	91	1141540	62.013	ug/l	96
68) m/p-Xylenes	12.45	106	651736	108.824	ug/l	89
69) o-Xylene	12.83	106	317224	53.517	ug/l	79
70) Styrene	12.85	104	549048	55.237	ug/l	94
71) Bromoform	13.02	173	214369	64.692	ug/l #	97
73) Isopropylbenzene	13.18	105	1056639	52.277	ug/l	98
74) N-amyl acetate	13.05	43	370746	59.666	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.49	83	209132	56.825	ug/l	100
76) 1,2,3-Trichloropropane	13.52	75	270498	58.188	ug/l	98
77) Bromobenzene	13.45	156	265178	51.038	ug/l	83
78) n-propylbenzene	13.56	91	1424452	56.140	ug/l	96
79) 2-Chlorotoluene	13.63	91	879637	56.838	ug/l	96
80) 1,3,5-Trimethylbenzene	14.03	105	1004069	57.704	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.25	75	60717	50.098	ug/l	88
82) 4-Chlorotoluene	13.73	91	1027245	59.722	ug/l	94
83) tert-Butylbenzene	13.98	119	1046639	57.492	ug/l	94
84) 1,2,4-Trimethylbenzene	14.03	105	1004069	57.704	ug/l	98
85) sec-Butylbenzene	14.16	105	1158750	55.916	ug/l	98
86) p-Isopropyltoluene	14.28	119	954889	56.755	ug/l	94
87) 1,3-Dichlorobenzene	14.25	146	502214	54.041	ug/l	98
88) 1,4-Dichlorobenzene	14.33	146	505518	55.985	ug/l	95
89) n-Butylbenzene	14.59	91	954962	54.401	ug/l	99
90) Hexachloroethane	14.80	117	276355	55.197	ug/l	84
91) 1,2-Dichlorobenzene	14.60	146	404403	52.427	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.17	75	58856	67.315	ug/l	66

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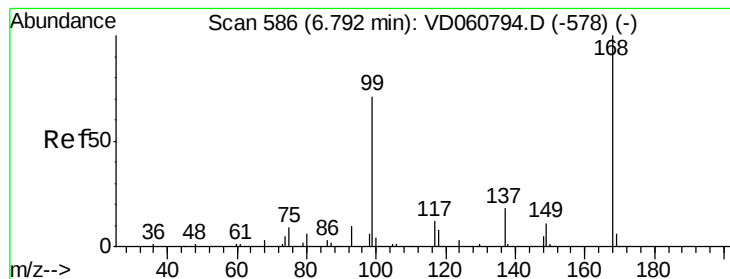
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.73	180	369226	55.281	ug/l	96
94) Hexachlorobutadiene	15.83	225	300634	59.990	ug/l	98
95) Naphthalene	15.92	128	581249	56.640	ug/l	98
96) 1,2,3-Trichlorobenzene	16.07	180	320769	55.230	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.76 min Scan# 583

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 390715

Ion Ratio Lower Upper

168 100

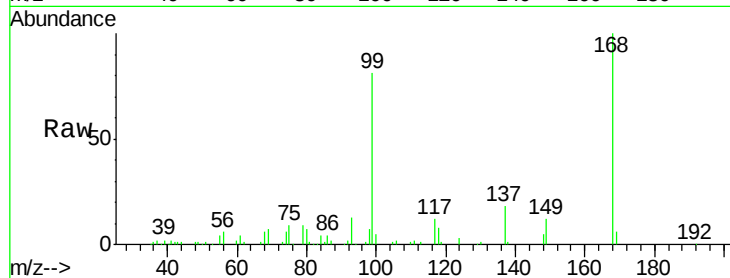
99 81.4 59.2 88.8

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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

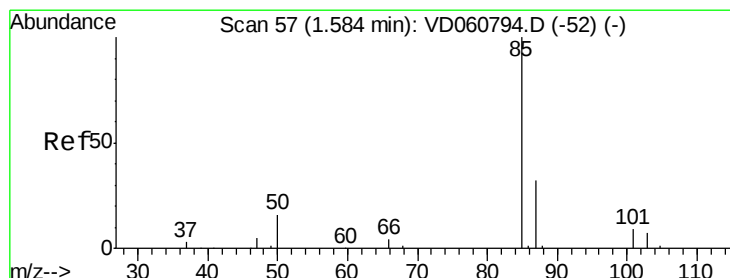
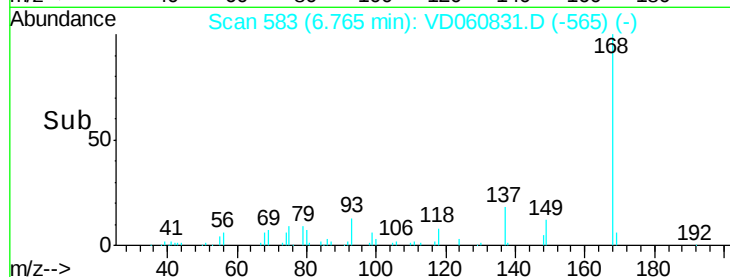
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100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 72.941 ug/l

RT: 1.58 min Scan# 56

Delta R.T. -0.01 min

Lab File: VD060831.D

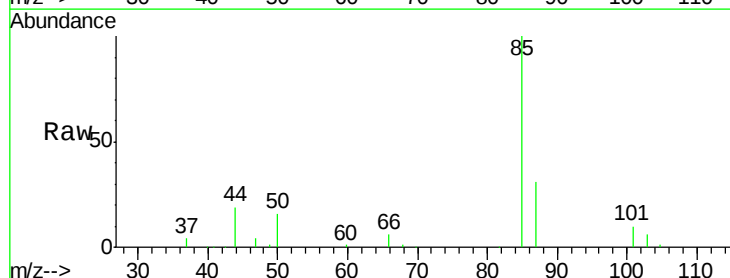
Acq: 1 Feb 2019 20:51

Tgt Ion: 85 Resp: 346503

Ion Ratio Lower Upper

85 100

87 30.5 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

120000

100000

80000

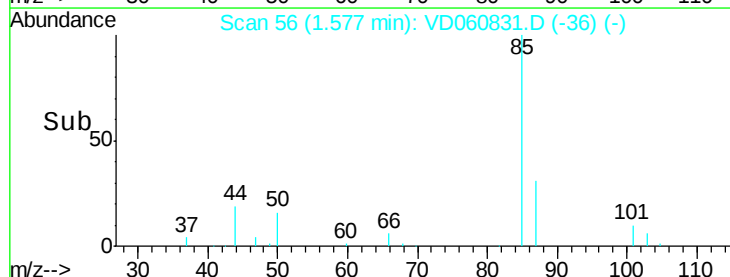
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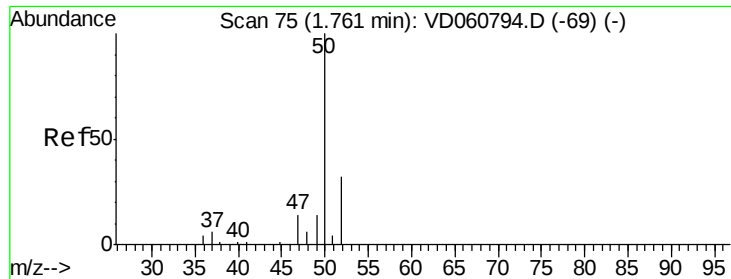
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20000

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Time-->





#3

Chloromethane

Concen: 59.384 ug/l

RT: 1.74 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 168898

Ion Ratio Lower Upper

50 100

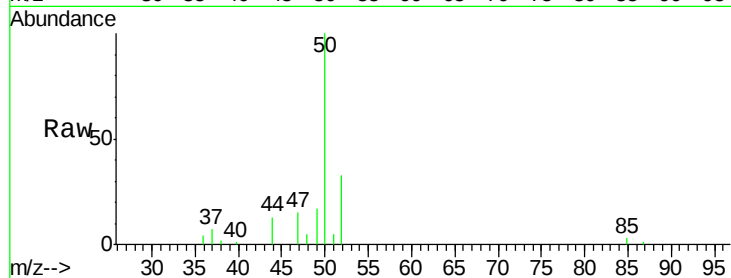
52 32.5 25.2 37.8

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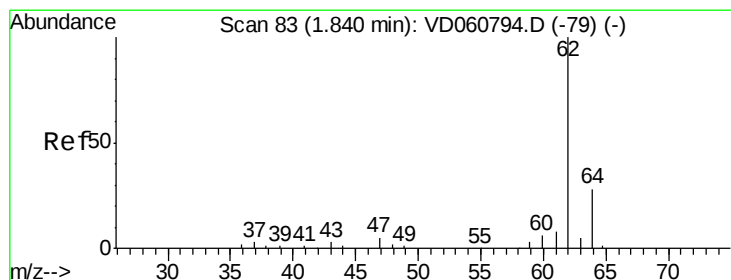
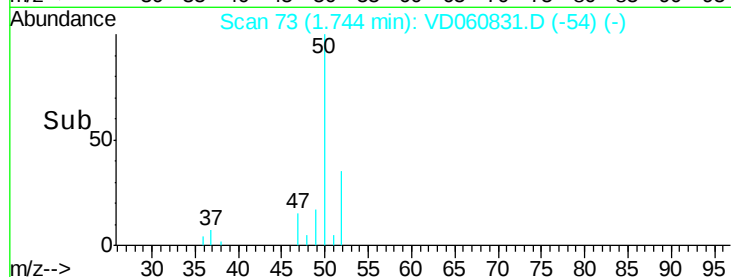
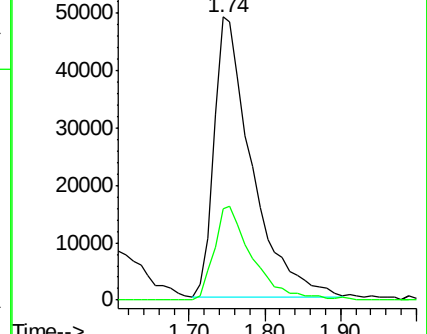
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 59.756 ug/l

RT: 1.83 min Scan# 82

Delta R.T. -0.01 min

Lab File: VD060831.D

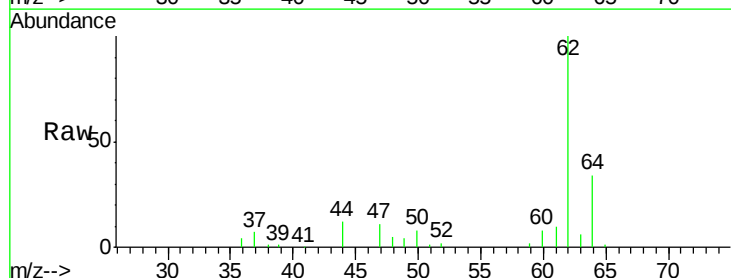
Acq: 1 Feb 2019 20:51

Tgt Ion: 62 Resp: 180404

Ion Ratio Lower Upper

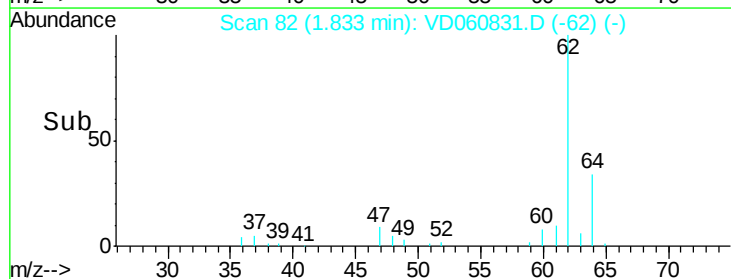
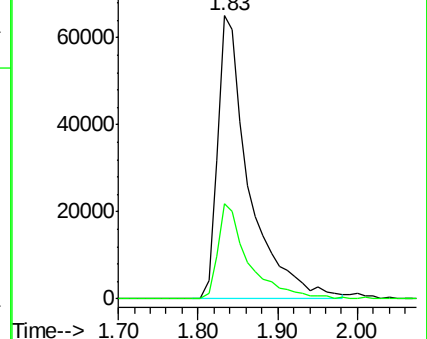
62 100

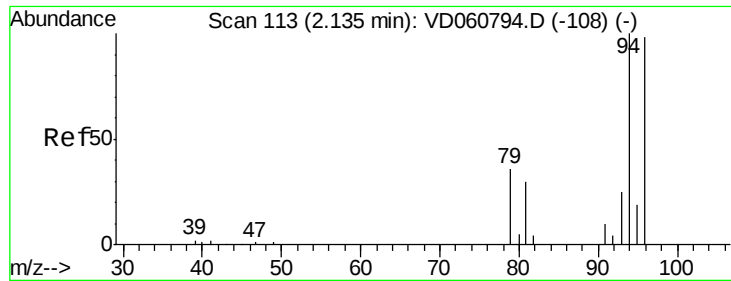
64 33.8 22.1 33.1#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 67.212 ug/l

RT: 2.13 min Scan# 112

Delta R.T. -0.01 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 64099

Ion Ratio Lower Upper

94 100

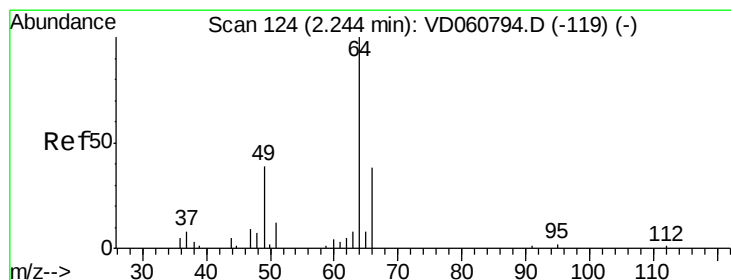
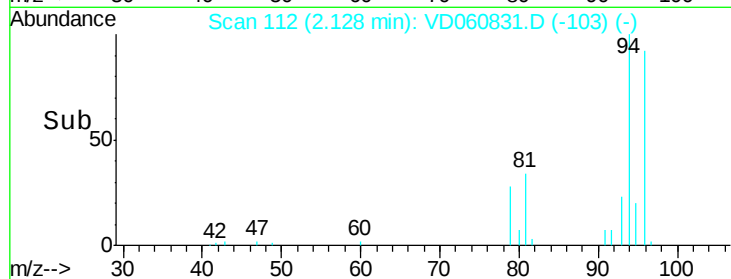
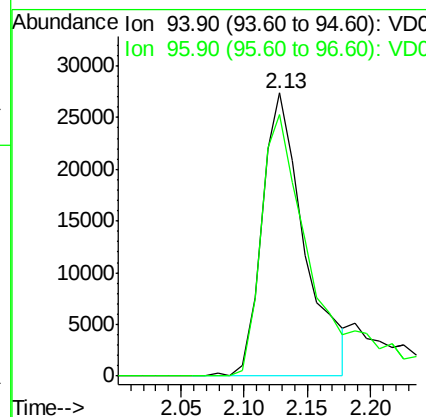
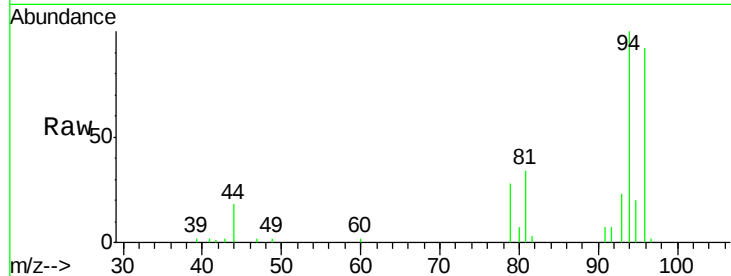
96 92.5 78.0 117.0

Manual Integrations

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#6

Chloroethane

Concen: 84.346 ug/l

RT: 2.23 min Scan# 122

Delta R.T. -0.02 min

Lab File: VD060831.D

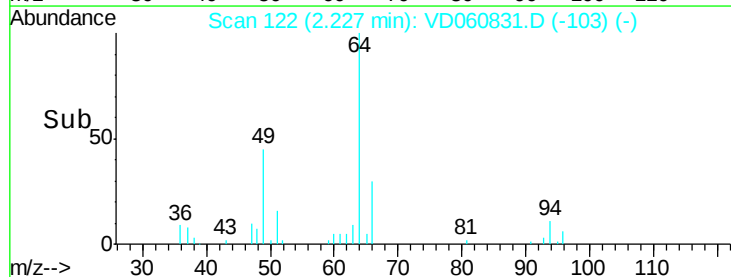
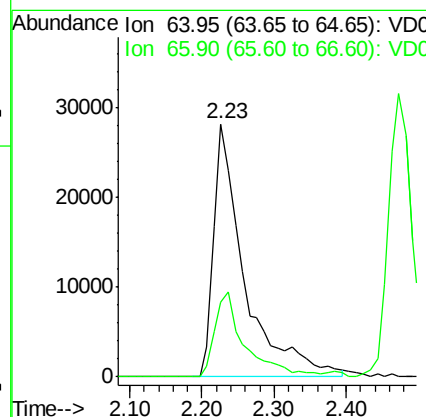
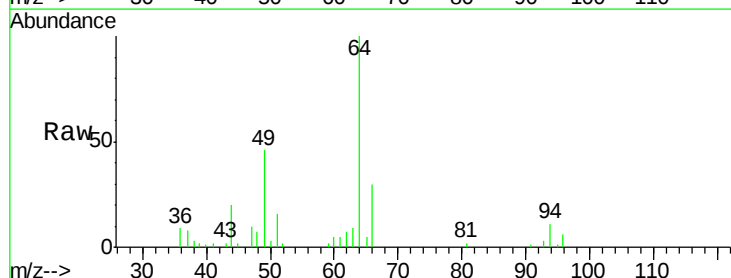
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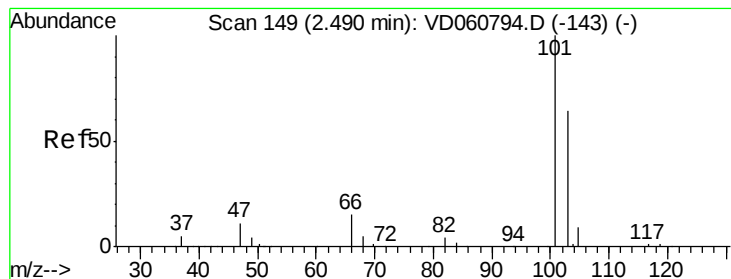
Tgt Ion: 64 Resp: 83493

Ion Ratio Lower Upper

64 100

66 29.6 30.2 45.4#





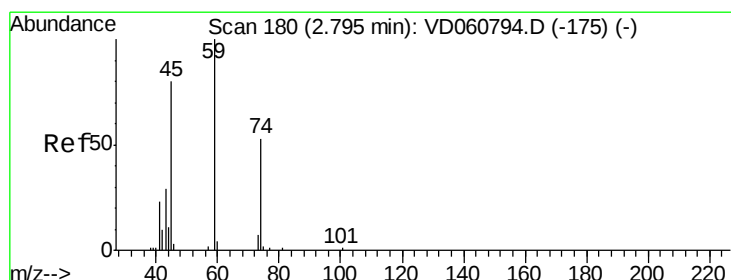
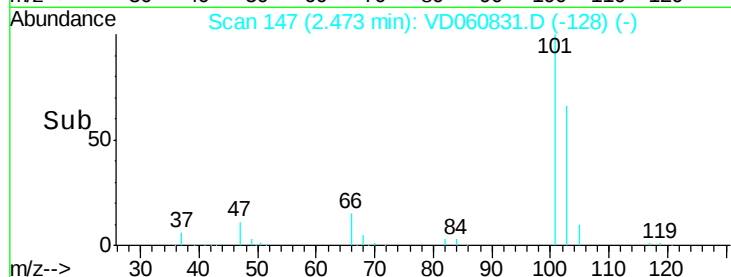
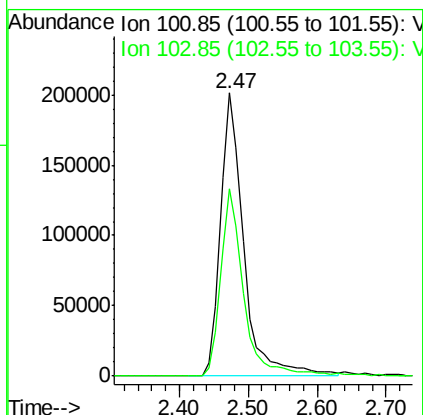
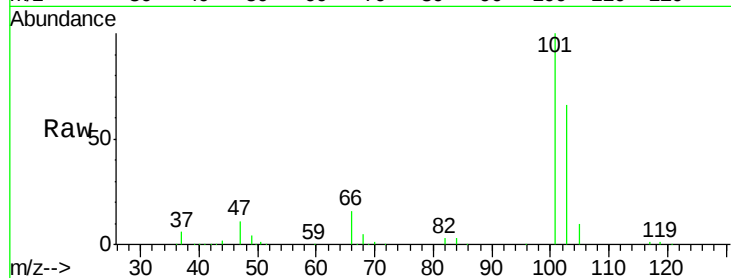
#7
 Trichlorofluoromethane
 Concen: 79.447 ug/l
 RT: 2.47 min Scan# 147
 Delta R.T. -0.02 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	51.3	76.9

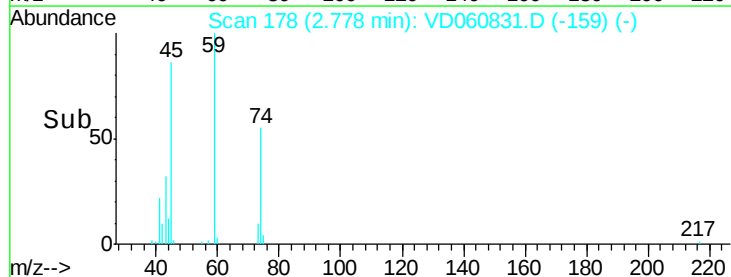
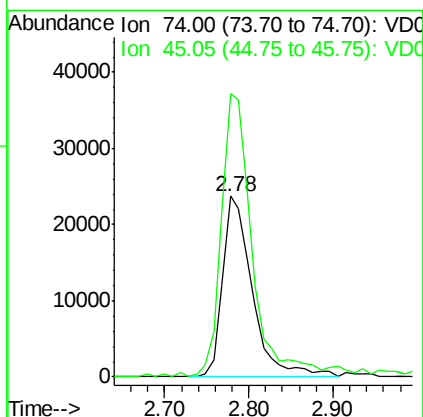
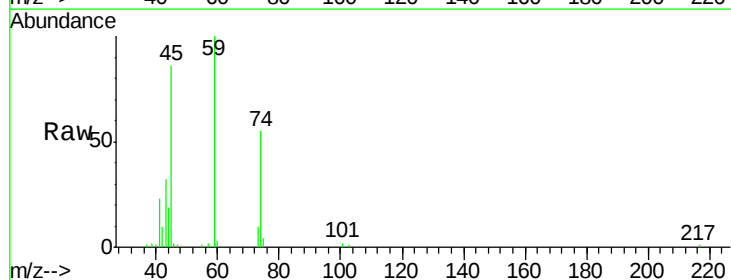
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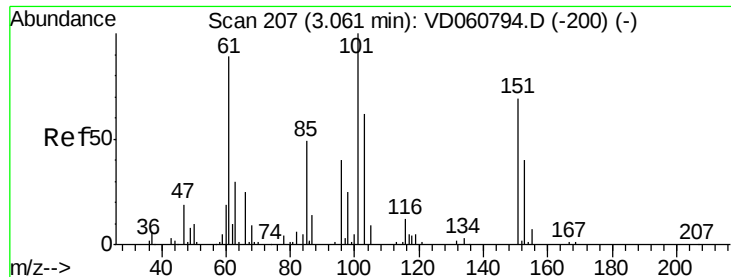
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#8
 Diethyl Ether
 Concen: 66.220 ug/l
 RT: 2.78 min Scan# 178
 Delta R.T. -0.02 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	156.6	75.6	226.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 74.668 ug/l

RT: 3.04 min Scan# 205

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

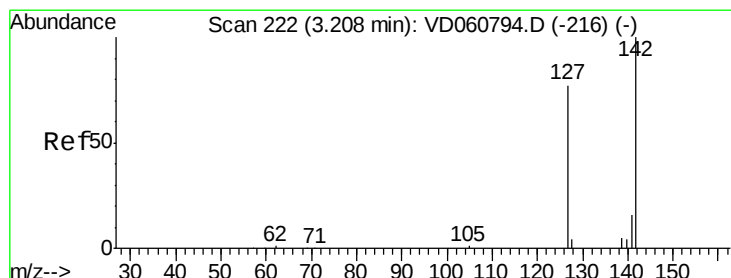
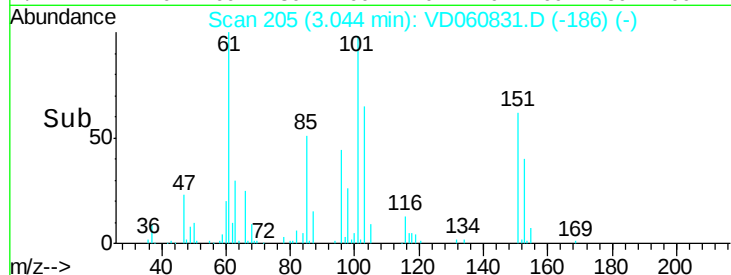
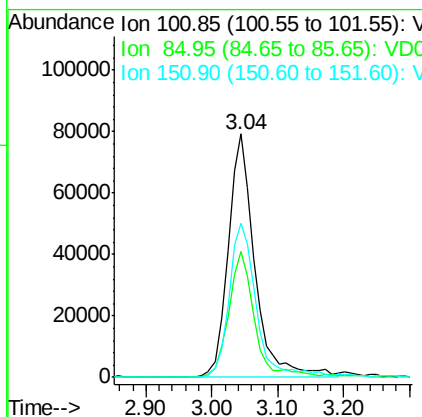
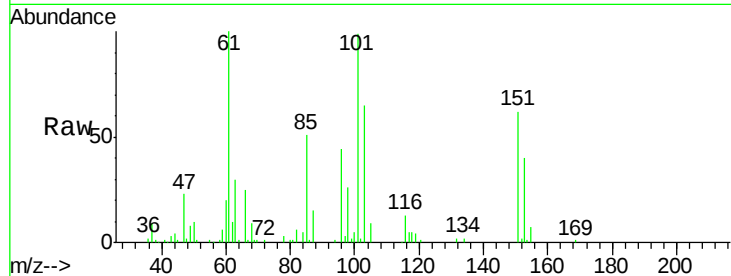
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	224883
Ion Ratio	Lower	Upper	
101	100		
85	51.7	39.3	58.9
151	63.3	55.1	82.7

Manual Integrations
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#10

Methyl Iodide

Concen: 70.861 ug/l

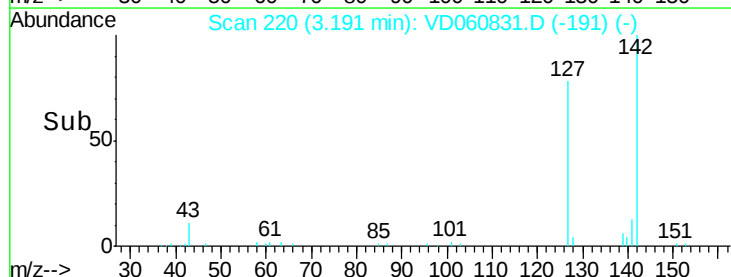
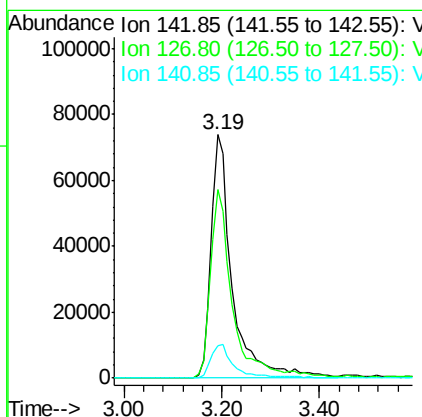
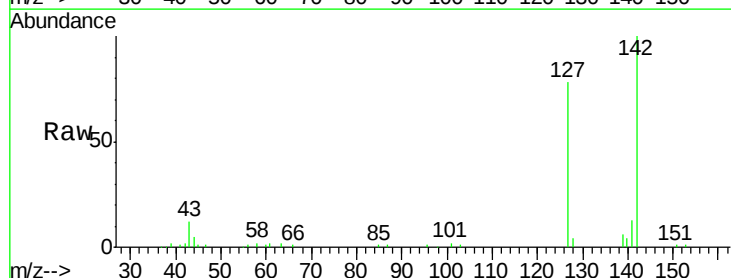
RT: 3.19 min Scan# 220

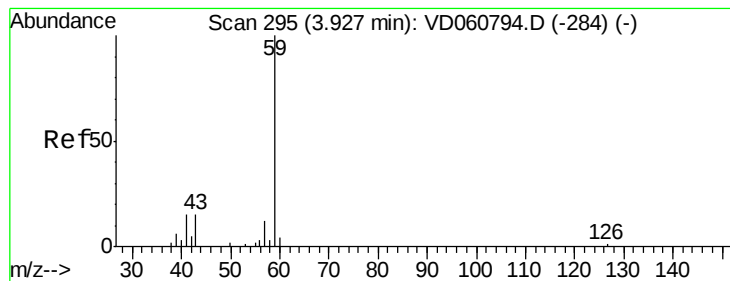
Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Tgt Ion:	142	Resp:	223442
Ion Ratio	Lower	Upper	
142	100		
127	77.7	61.6	92.4
141	13.2	12.5	18.7





#11

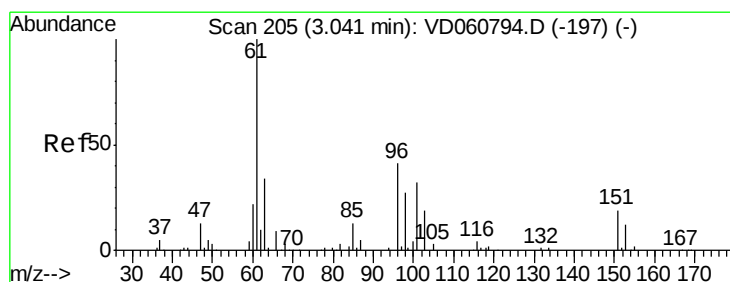
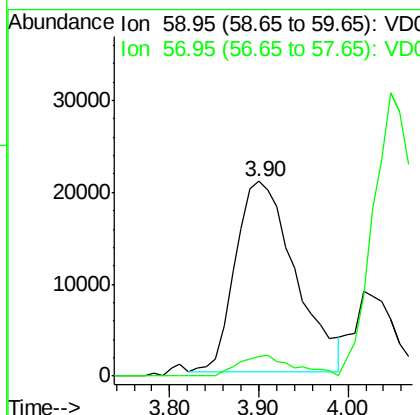
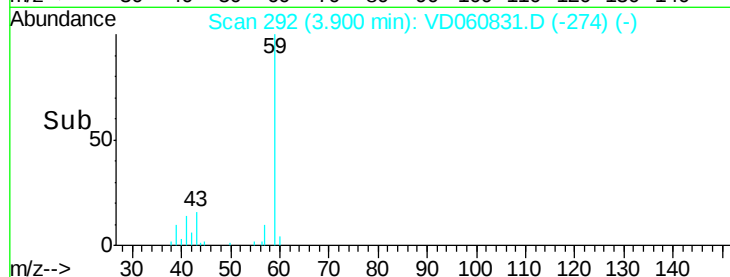
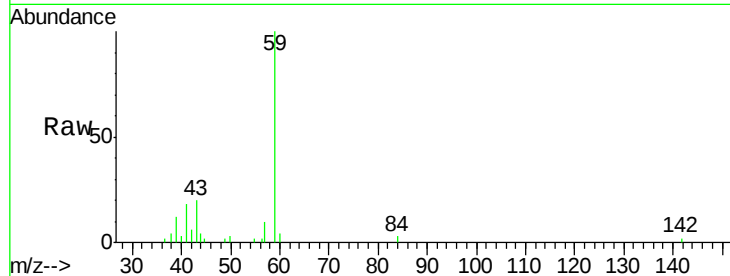
Tert butyl alcohol
Concen: 337.521 ug/l
RT: 3.90 min Scan# 292
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	96617
Ion Ratio	100	Lower	Upper
57	10.3	9.8	14.6

Manual Integrations
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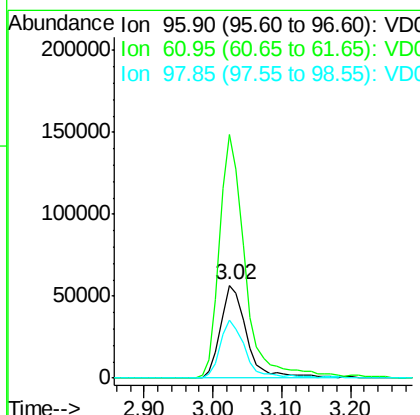
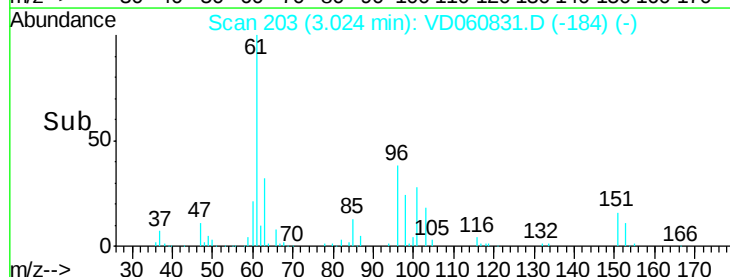
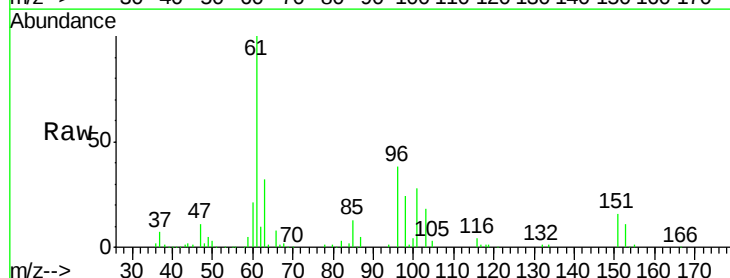
MMDadoda
2/4/2019 4:43:12 PM

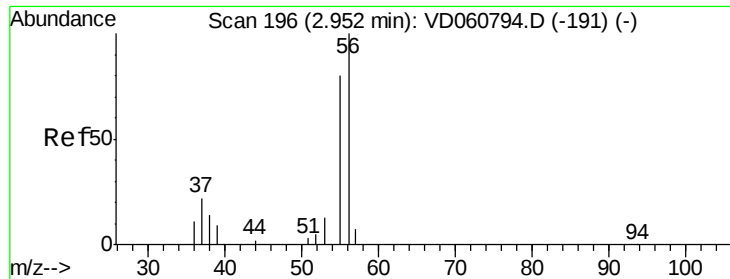


#12

1,1-Dichloroethene
Concen: 72.415 ug/l
RT: 3.02 min Scan# 203
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion	96	Resp	149039
Ion Ratio	100	Lower	Upper
61	262.4	195.1	292.7
98	63.0	52.5	78.7





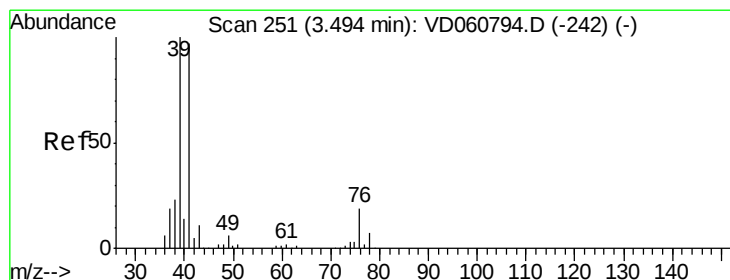
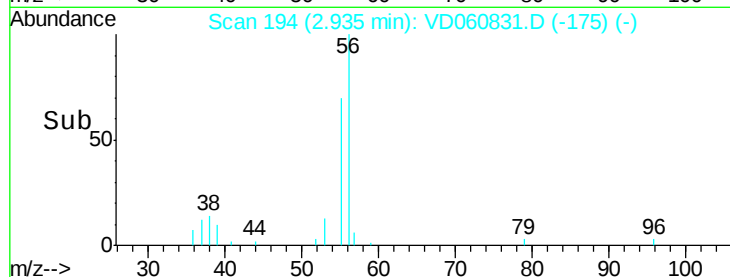
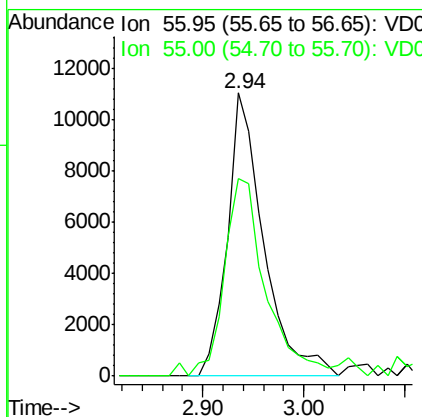
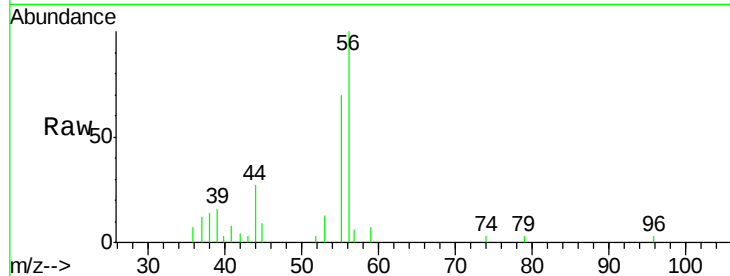
#13
Acrolein
Concen: 288.662 ug/l
RT: 2.94 min Scan# 194
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.9	64.2	96.2

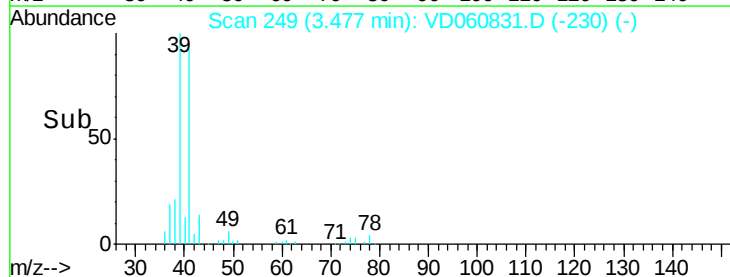
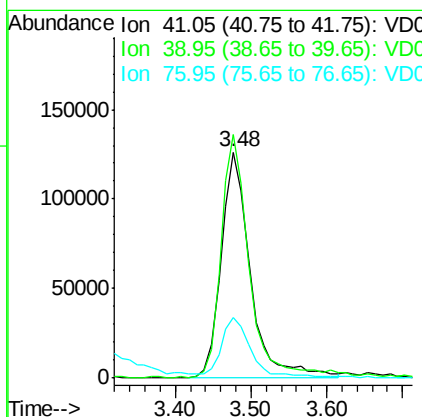
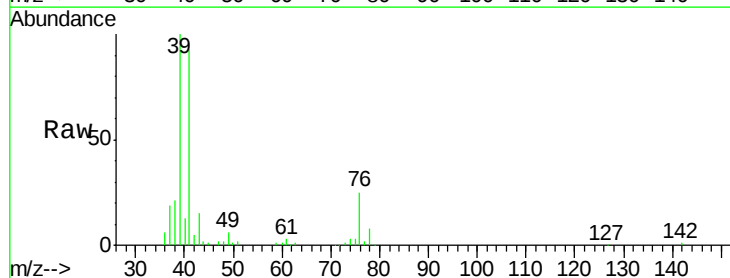
Manual Integrations
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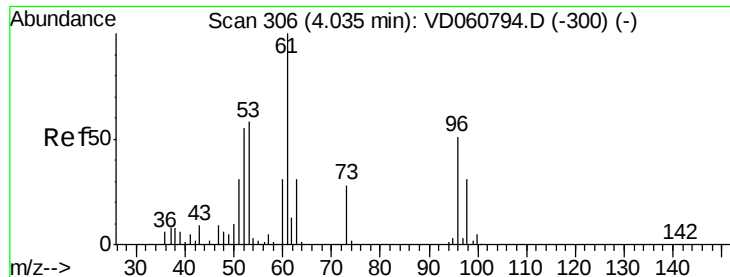
MMDadoda
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#14
Allyl chloride
Concen: 70.765 ug/l
RT: 3.48 min Scan# 249
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Lower	Upper
41	100		
39	107.8	82.6	123.8
76	26.6	18.9	28.3





#15

Acrylonitrile

Concen: 292.052 ug/l

RT: 4.02 min Scan# 304

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

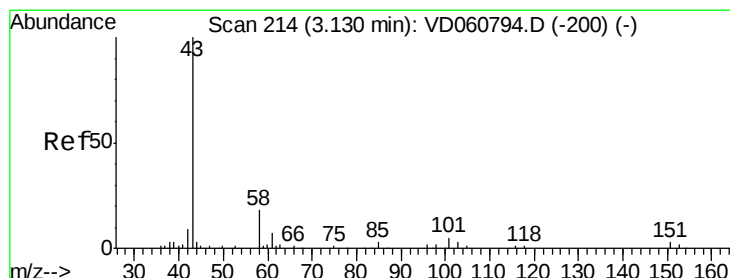
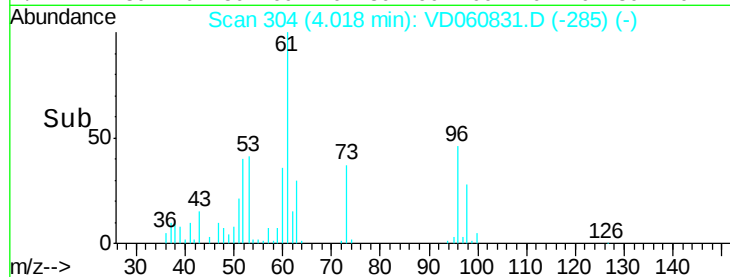
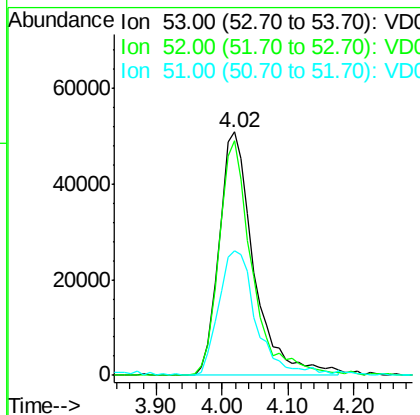
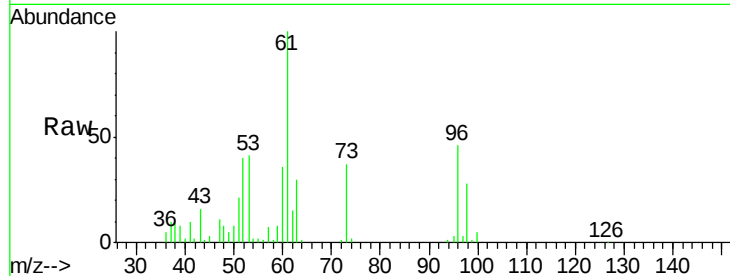
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	187320
Ion Ratio	Lower	Upper	
53	100		
52	96.6	75.4	113.2
51	51.1	42.5	63.7

Manual Integrations
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#16

Acetone

Concen: 350.367 ug/l

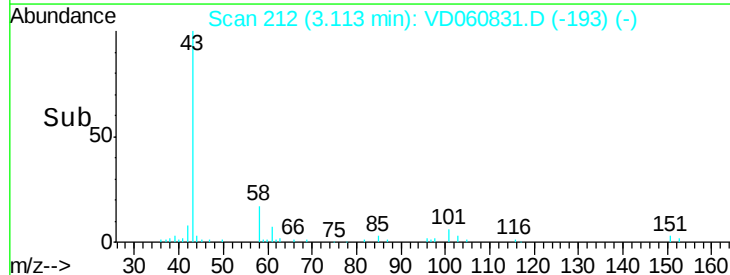
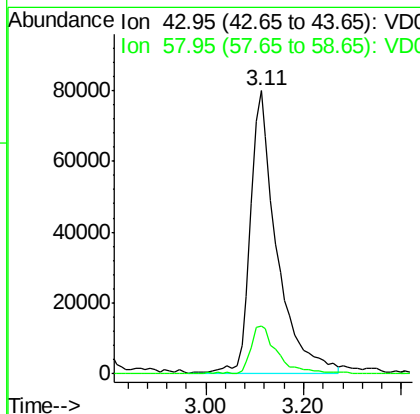
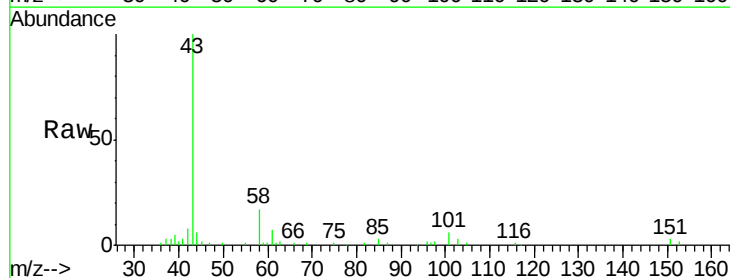
RT: 3.11 min Scan# 212

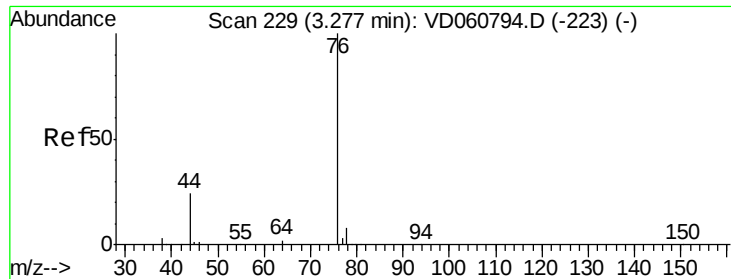
Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Tgt Ion:	43	Resp:	303121
Ion Ratio	Lower	Upper	
43	100		
58	16.8	14.5	21.7





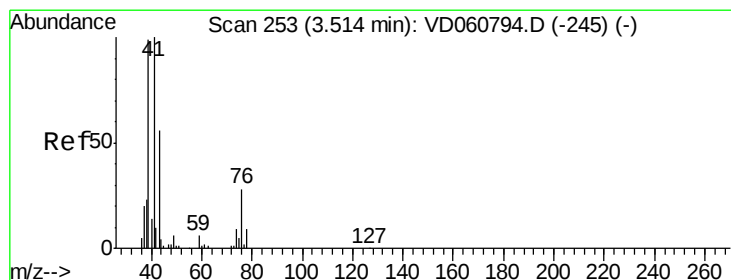
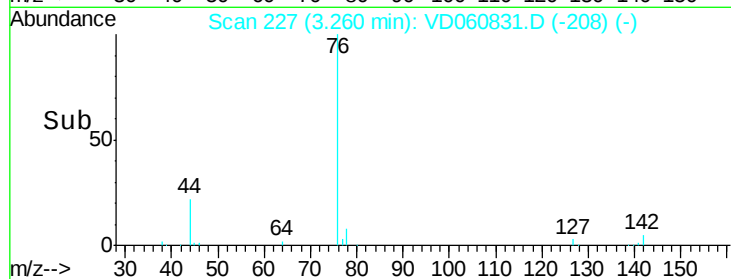
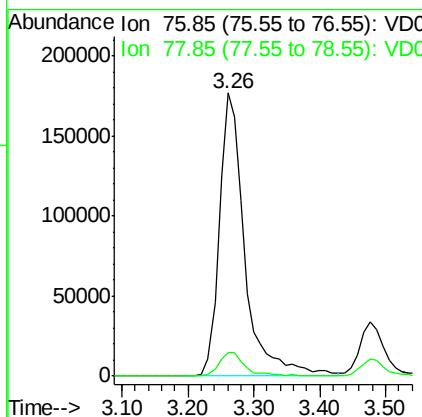
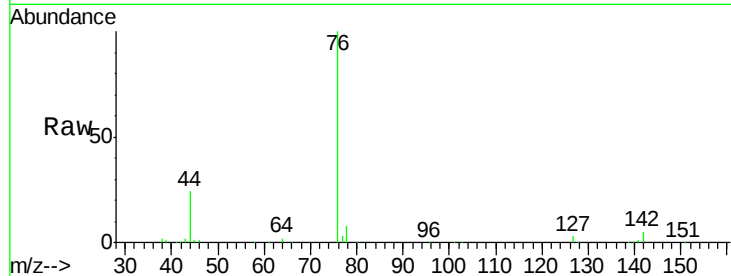
#17
Carbon Disulfide
Concen: 65.243 ug/l
RT: 3.26 min Scan# 227
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.5	9.7

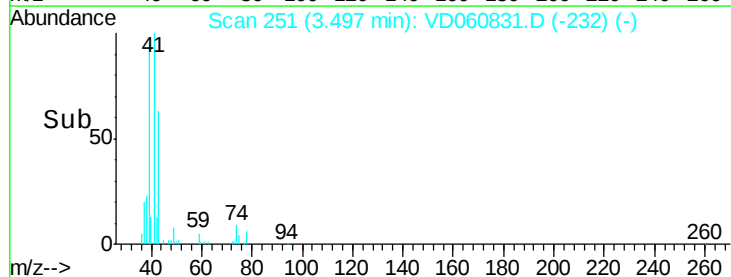
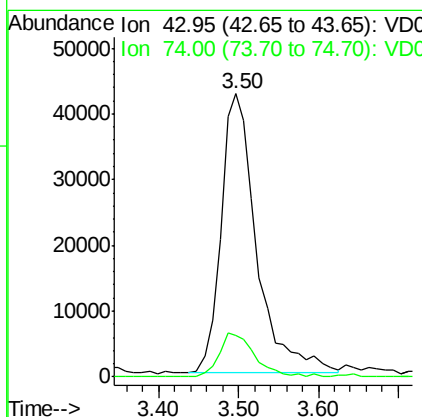
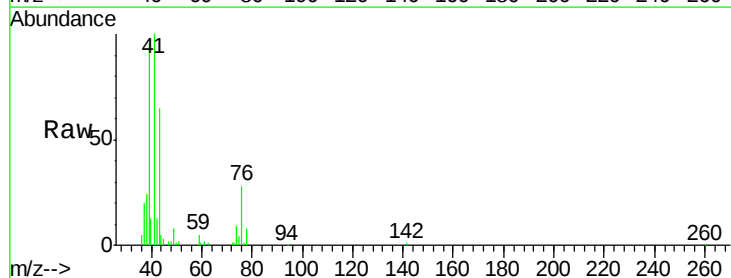
Manual Integrations
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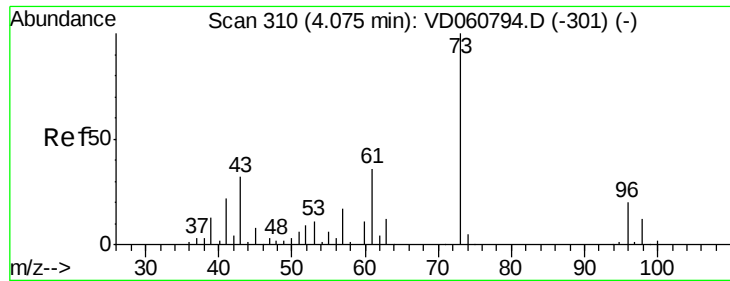
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#18
Methyl Acetate
Concen: 77.271 ug/l
RT: 3.50 min Scan# 251
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.5	12.5	18.7





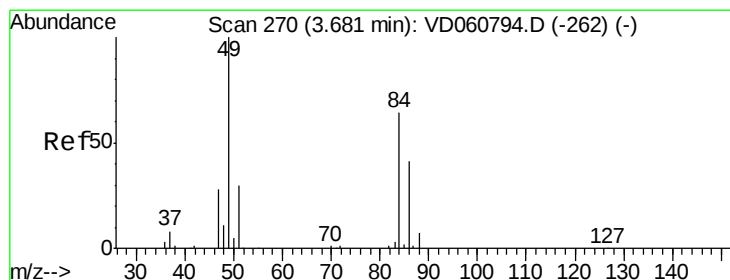
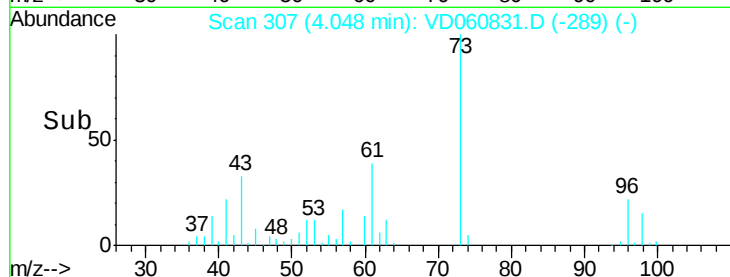
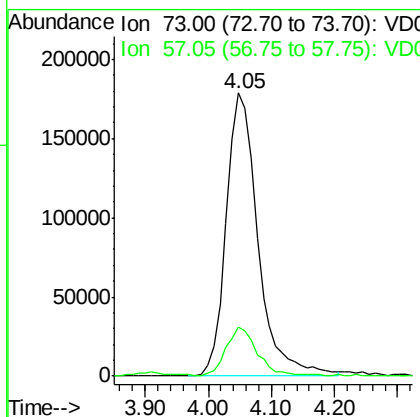
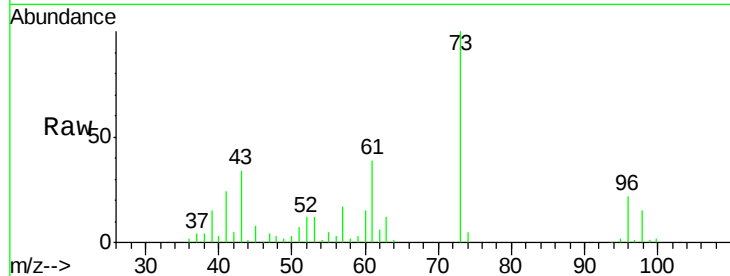
#19
Methyl tert-butyl Ether
Concen: 66.546 ug/l
RT: 4.05 min Scan# 307
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 625282
Ion Ratio Lower Upper
73 100
57 17.2 14.0 21.0

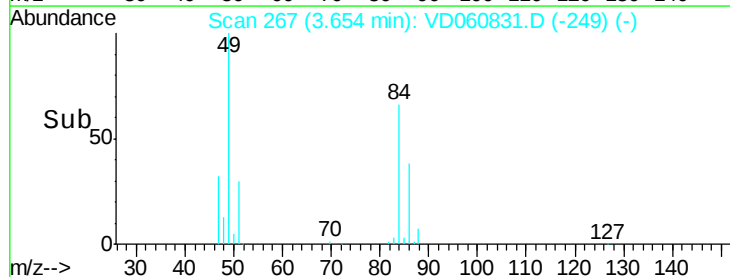
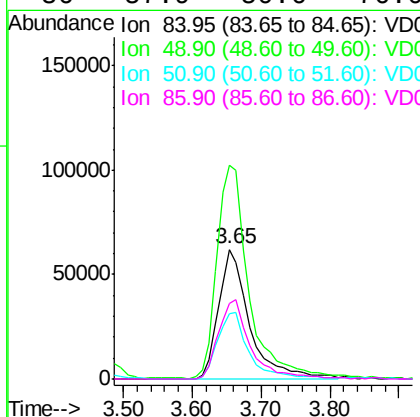
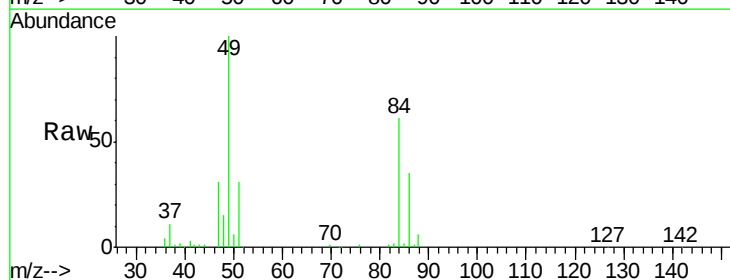
Manual Integrations
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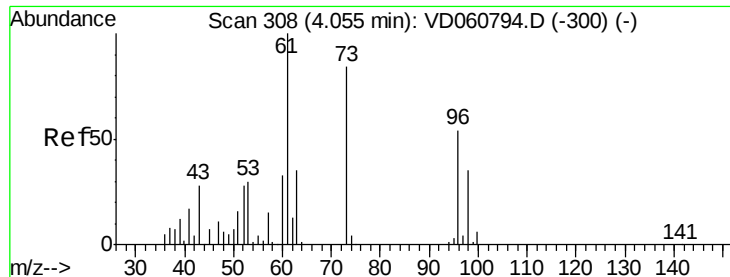
MMDadoda
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#20
Methylene Chloride
Concen: 51.118 ug/l
RT: 3.65 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion: 84 Resp: 194069
Ion Ratio Lower Upper
84 100
49 164.6 124.2 186.2
51 50.3 38.1 57.1
86 57.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 56.264 ug/l

RT: 4.03 min Scan# 305

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 204135

Ion Ratio Lower Upper

96 100

61 212.4 147.4 221.2

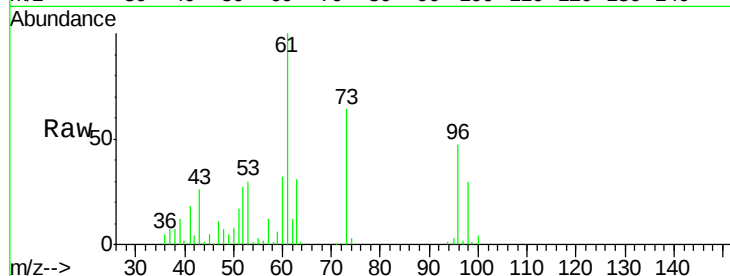
98 64.1 51.5 77.3

Manual Integrations

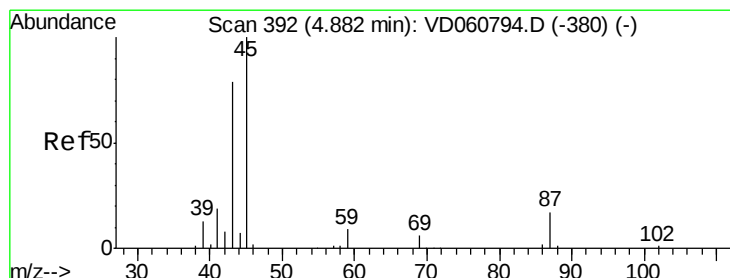
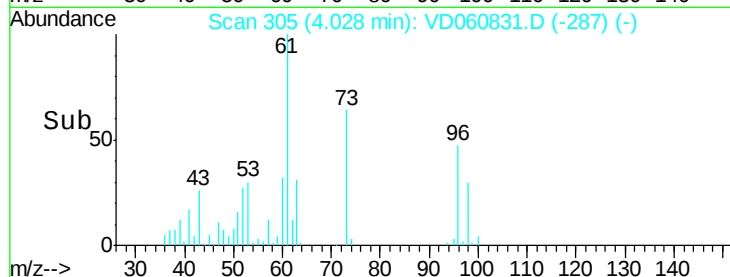
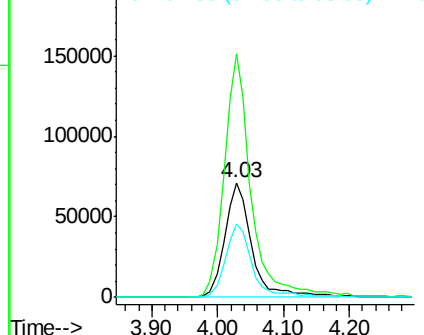
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 57.347 ug/l

RT: 4.86 min Scan# 390

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Tgt Ion: 45 Resp: 707791

Ion Ratio Lower Upper

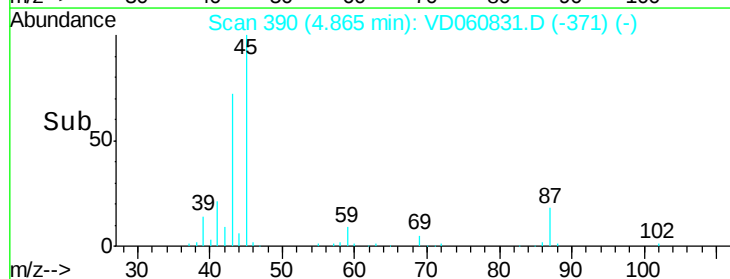
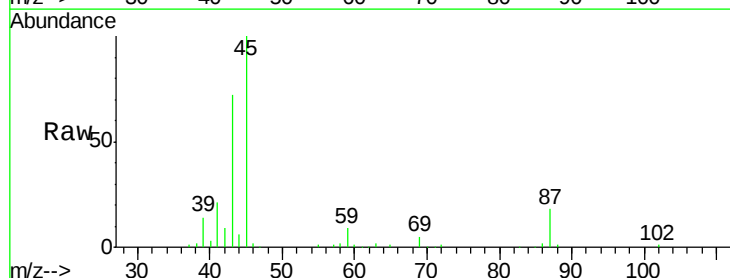
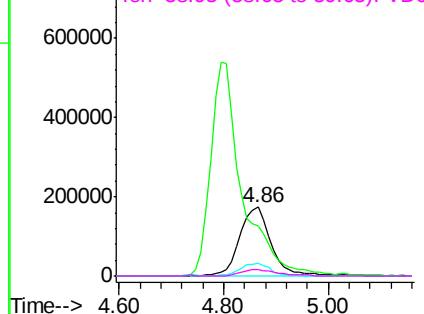
45 100

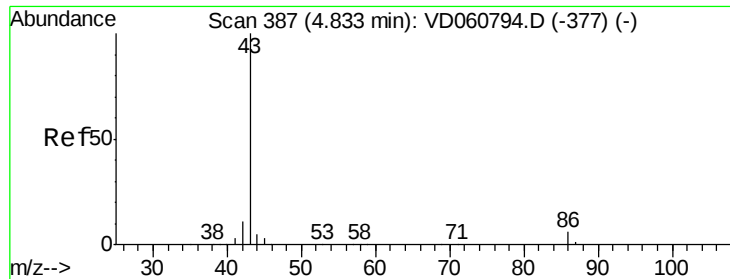
43 72.4 64.3 96.5

87 18.0 14.3 21.5

59 9.1 7.8 11.8

Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





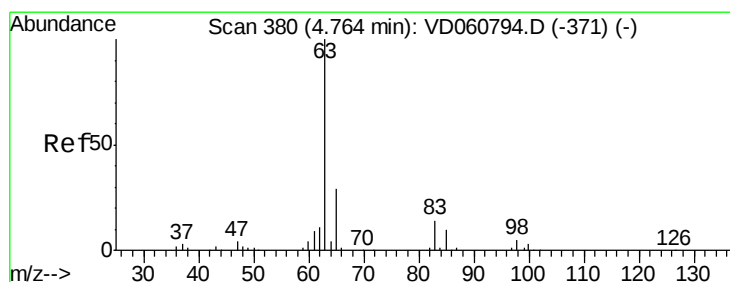
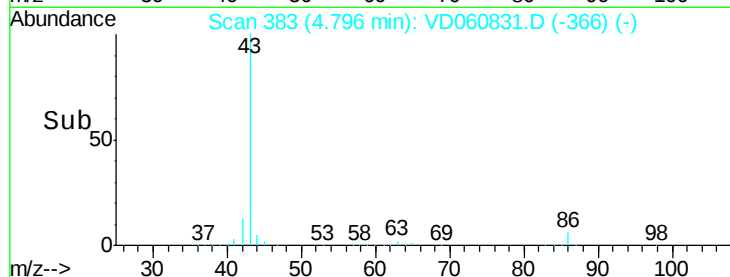
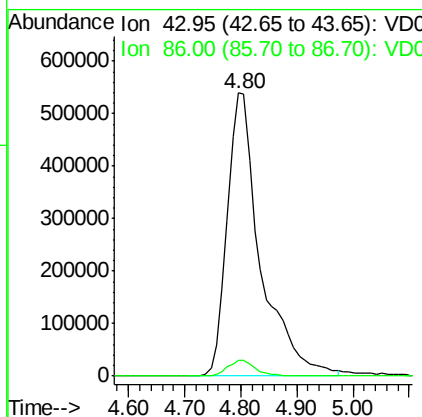
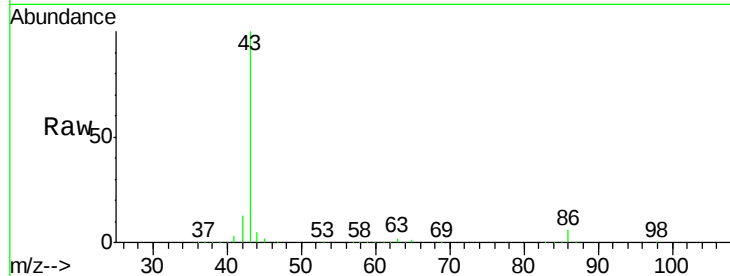
#23
 Vinyl Acetate
 Concen: 313.878 ug/l
 RT: 4.80 min Scan# 383
 Delta R.T. -0.04 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2230887
 Ion Ratio Lower Upper
 43 100
 86 5.7 4.7 7.1

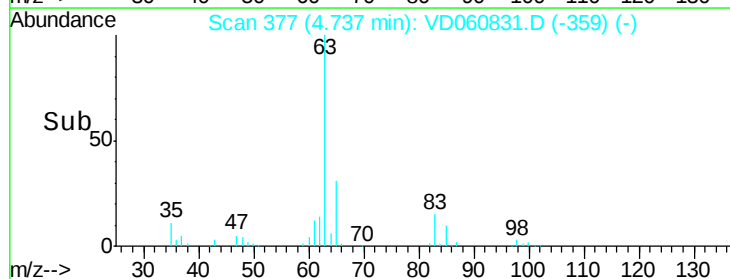
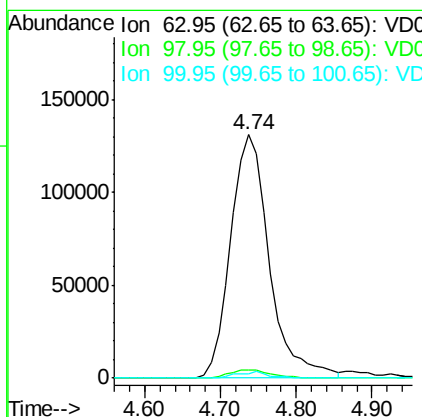
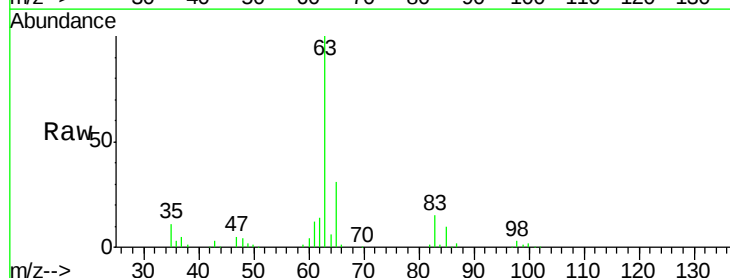
Manual Integrations
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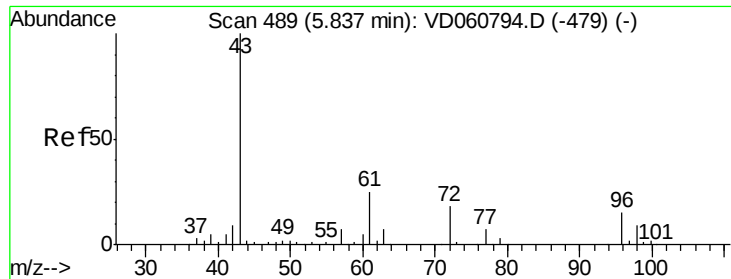
MMDadoda
 2/4/2019 4:43:12 PM



#24
 1,1-Dichloroethane
 Concen: 57.542 ug/l
 RT: 4.74 min Scan# 377
 Delta R.T. -0.03 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion: 63 Resp: 464930
 Ion Ratio Lower Upper
 63 100
 98 3.5 2.3 6.9
 100 2.0 1.3 3.8





#25

2-Butanone

Concen: 321.054 ug/l

RT: 5.81 min Scan# 486

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 355521

Ion Ratio Lower Upper

43 100

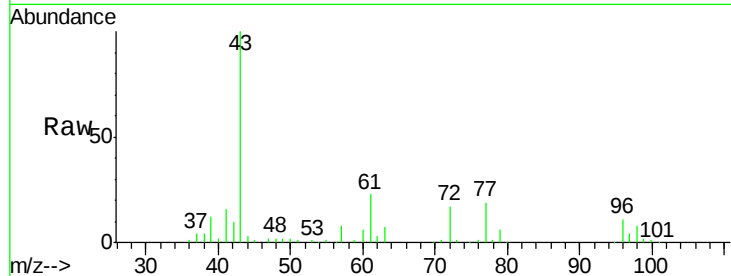
72 16.5 14.4 21.6

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

120000

100000

80000

60000

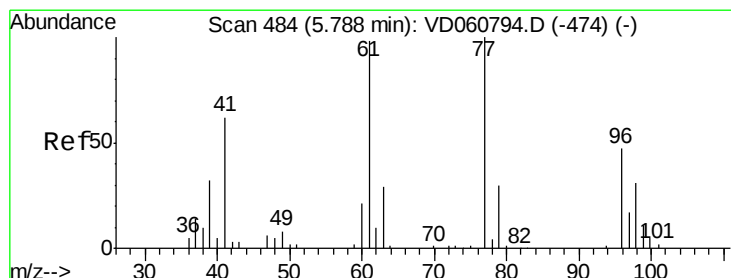
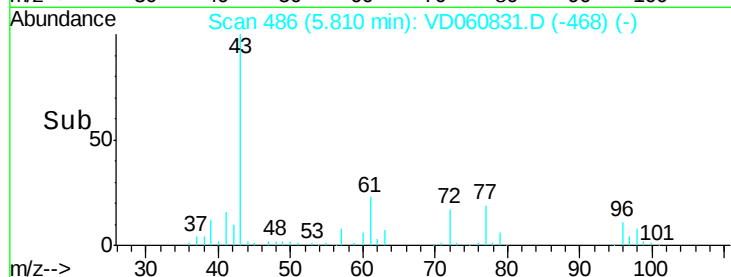
40000

20000

0

5.70 5.80 5.90

Time-->



#26

2,2-Dichloropropane

Concen: 65.742 ug/l

RT: 5.75 min Scan# 480

Delta R.T. -0.04 min

Lab File: VD060831.D

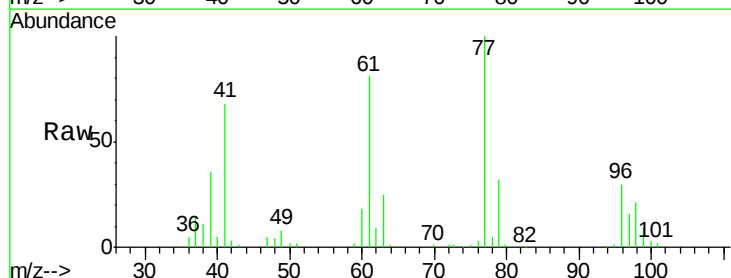
Acq: 1 Feb 2019 20:51

Tgt Ion: 77 Resp: 559683

Ion Ratio Lower Upper

77 100

97 16.0 8.3 24.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

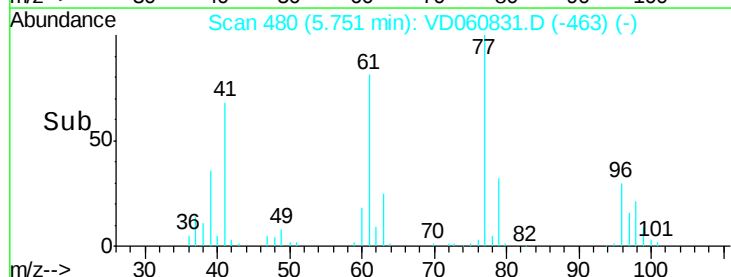
100000

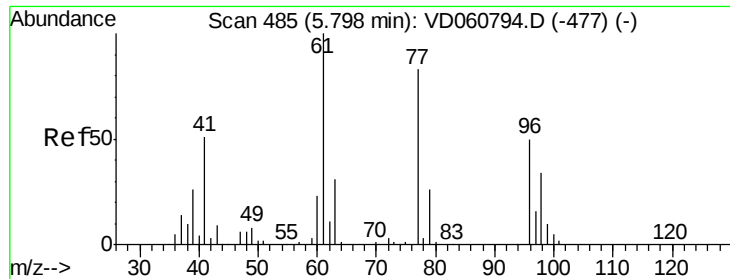
50000

0

5.60 5.70 5.80 5.90 6.00

Time-->





#27

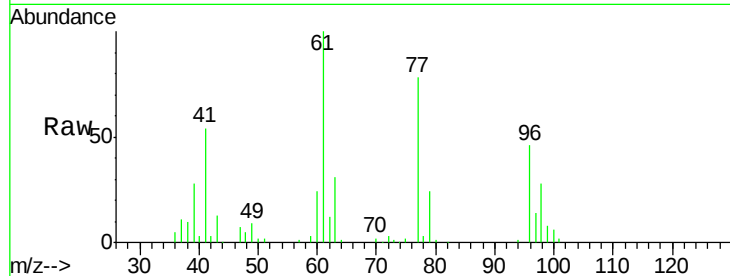
cis-1,2-Dichloroethene
Concen: 53.220 ug/l
RT: 5.77 min Scan# 482
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

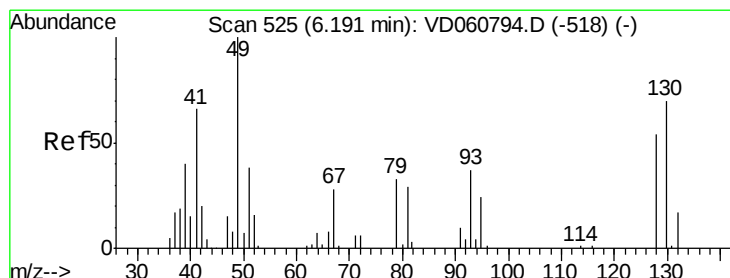
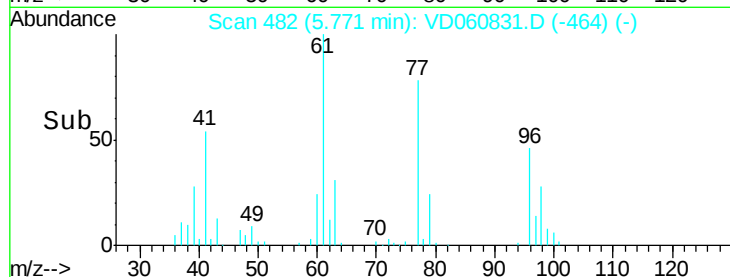
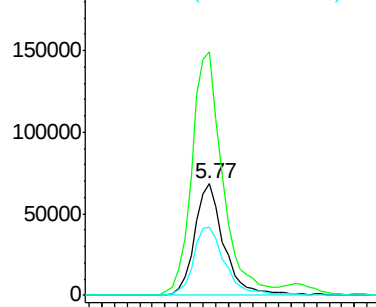
Tot Ion	Ratio	Resp	Lower	Upper
96	100	219917		
61	218.4		0.0	400.0
98	60.9		0.0	136.4

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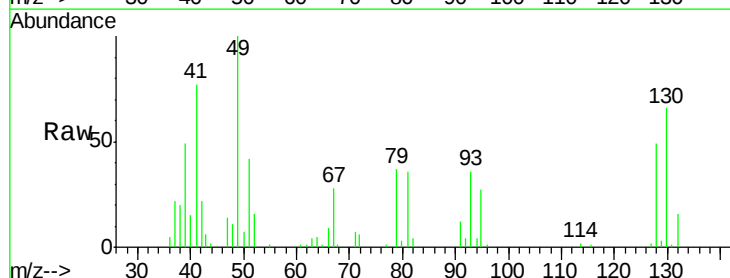
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



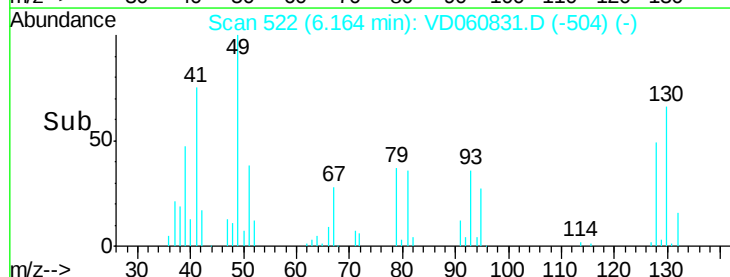
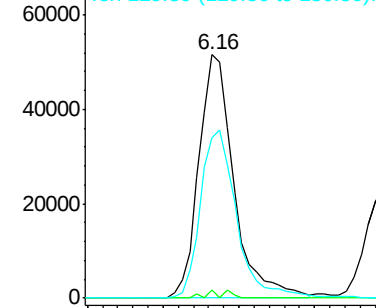
#28

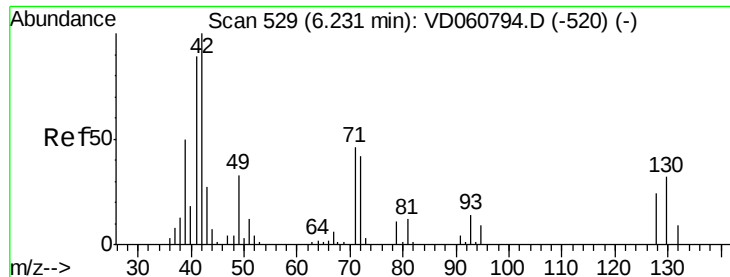
Bromochloromethane
Concen: 52.362 ug/l
RT: 6.16 min Scan# 522
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	165042		
129	3.3		0.0	0.0#
130	66.1		56.1	84.1



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





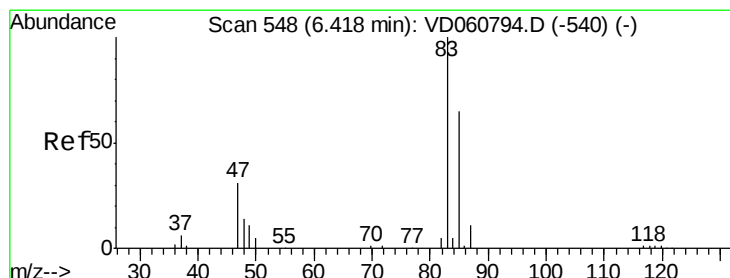
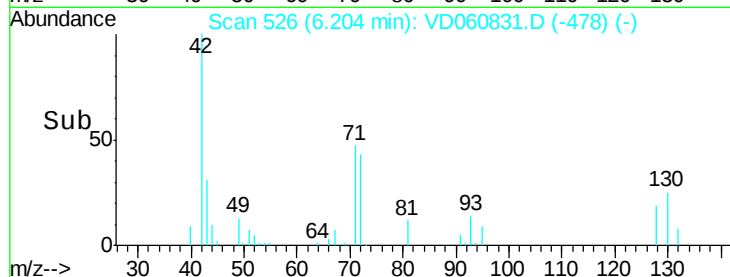
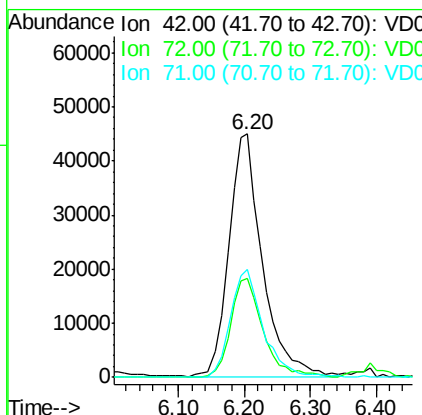
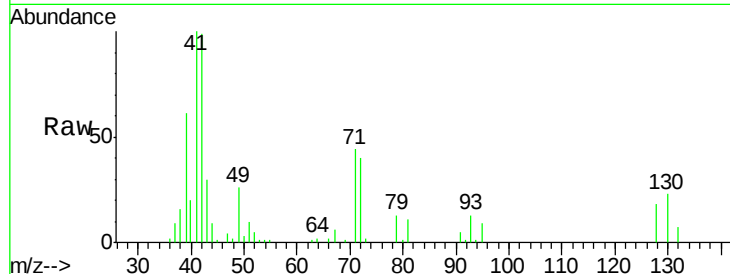
#29
Tetrahydrofuran
Concen: 303.237 ug/l
RT: 6.20 min Scan# 526
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	32.8	49.2
71	42.9	34.6	52.0

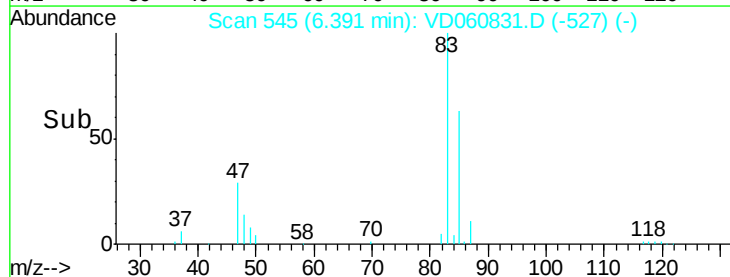
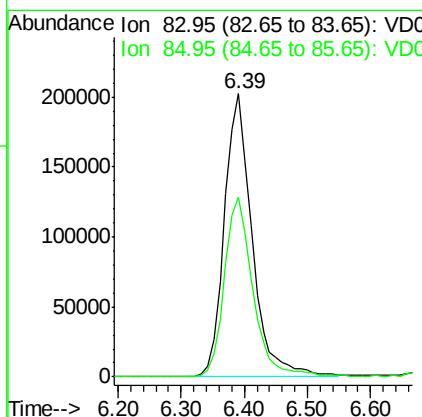
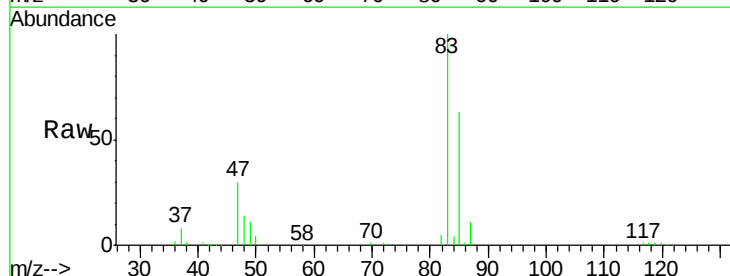
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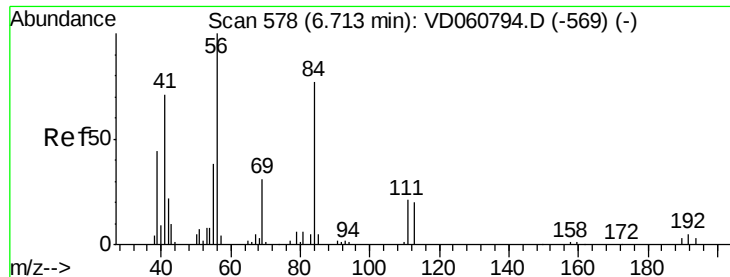
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#30
Chloroform
Concen: 64.737 ug/l
RT: 6.39 min Scan# 545
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.3	78.5





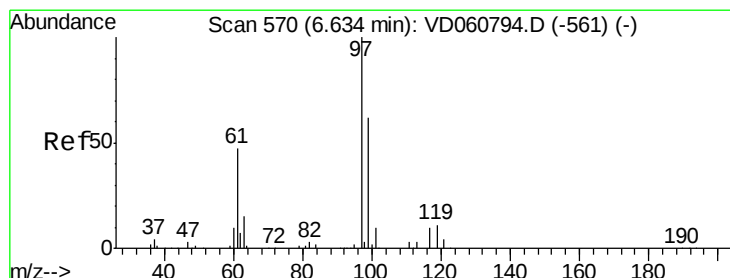
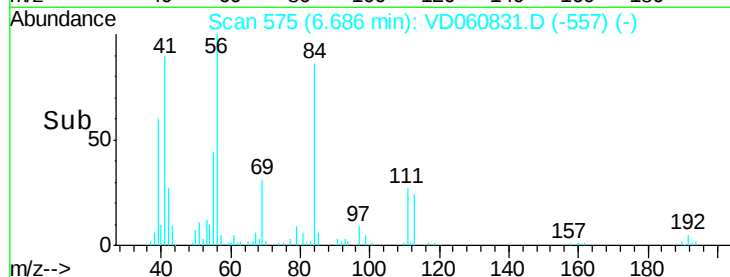
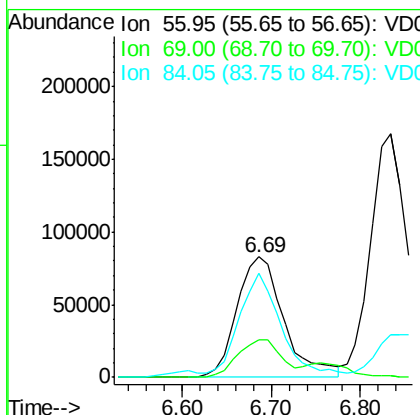
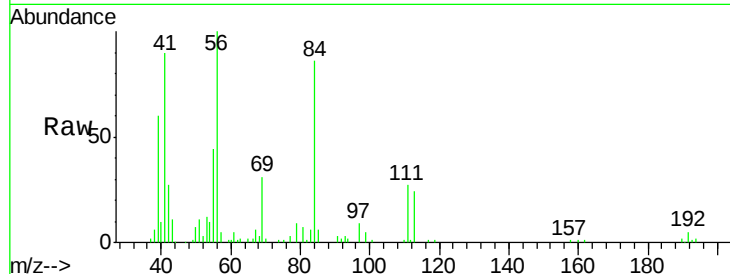
#31
Cyclohexane
Concen: 55.045 ug/l
RT: 6.69 min Scan# 575
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.1	37.7
84	86.3	63.9	95.9

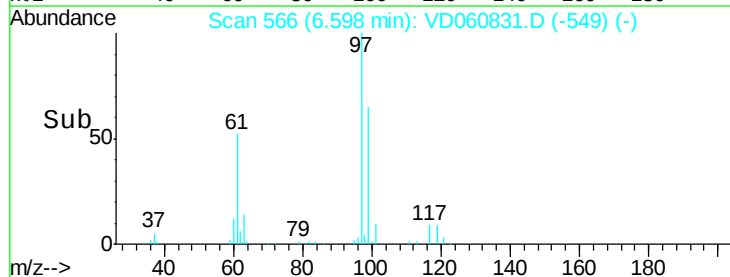
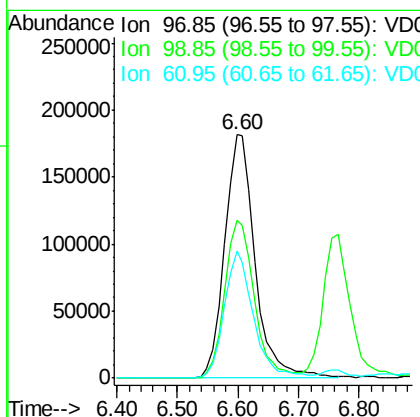
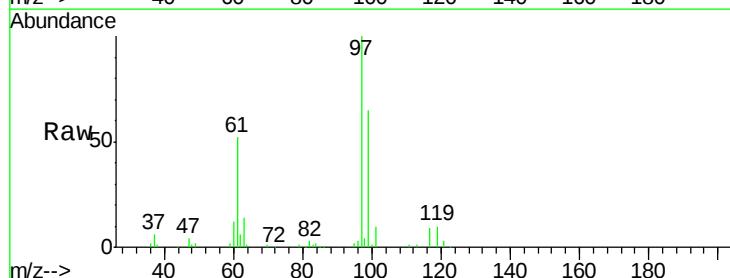
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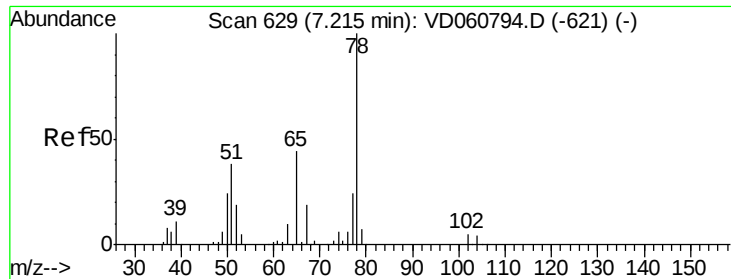
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#32
1,1,1-Trichloroethane
Concen: 68.850 ug/l
RT: 6.60 min Scan# 566
Delta R.T. -0.04 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	49.6	74.4
61	52.2	37.4	56.2





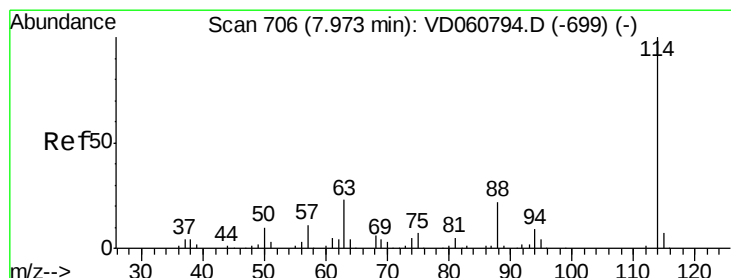
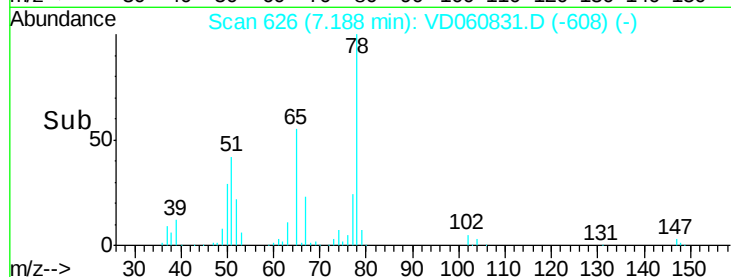
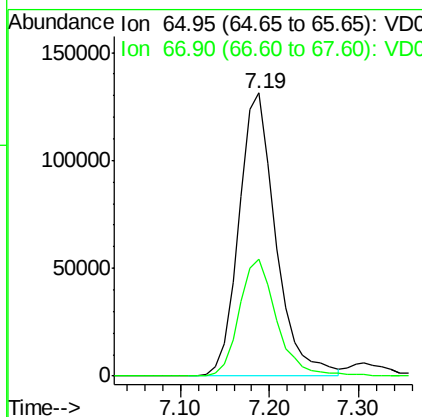
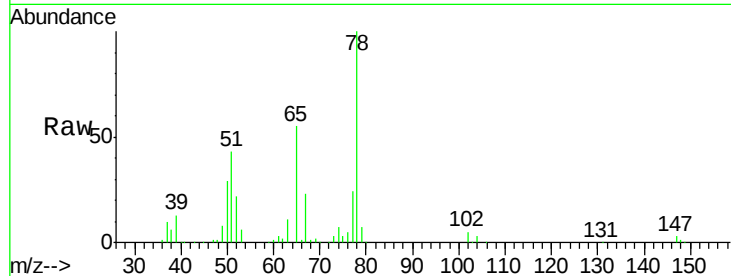
#33
 1,2-Dichloroethane-d4
 Concen: 68.850 ug/l
 RT: 7.19 min Scan# 626
 Delta R.T. -0.03 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 376529
 Ion Ratio Lower Upper
 65 100
 67 41.5 0.0 85.8

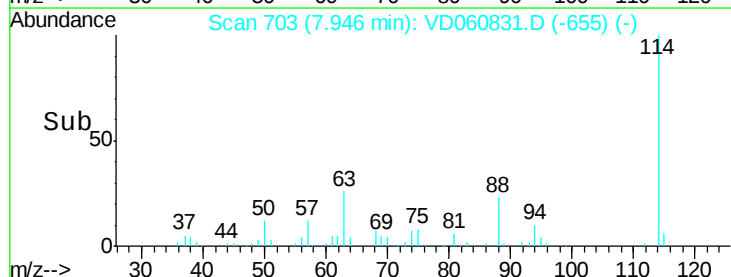
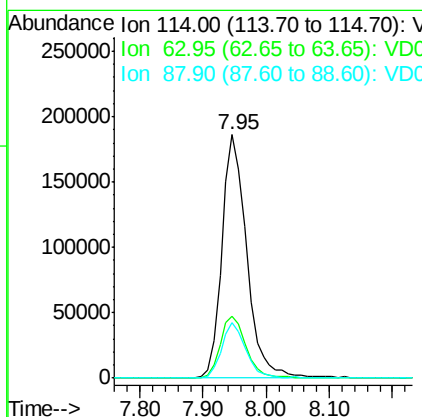
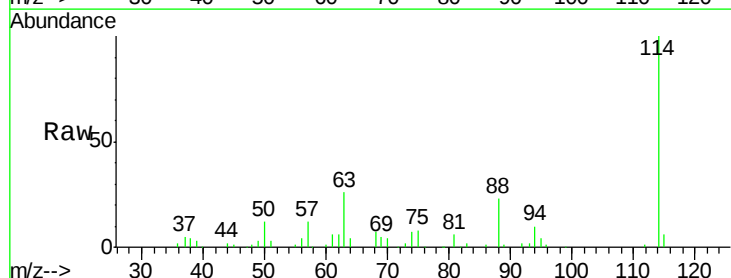
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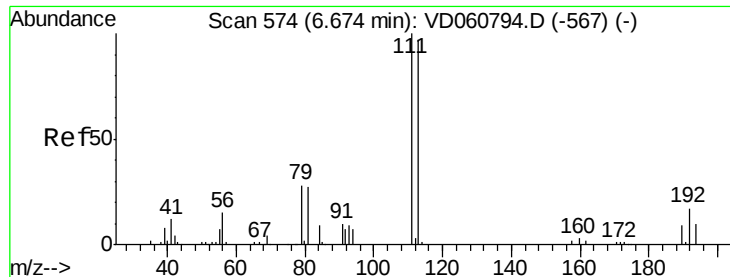
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 703
 Delta R.T. -0.03 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion: 114 Resp: 512135
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 46.6
 88 22.9 0.0 44.0





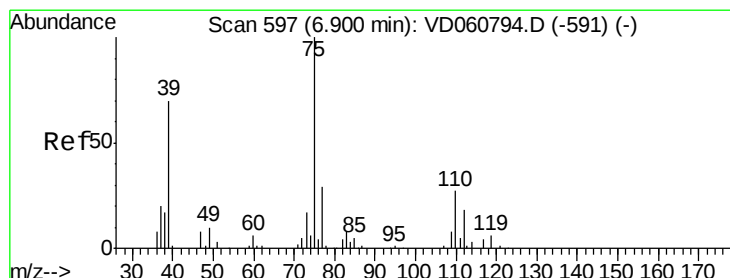
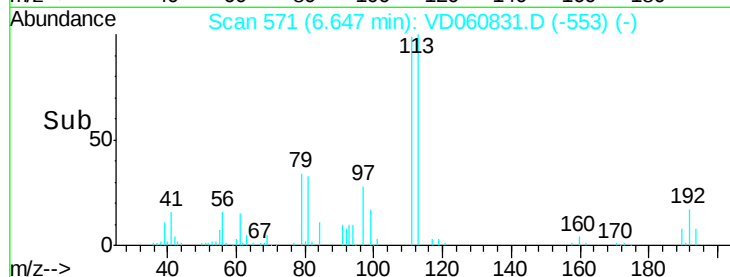
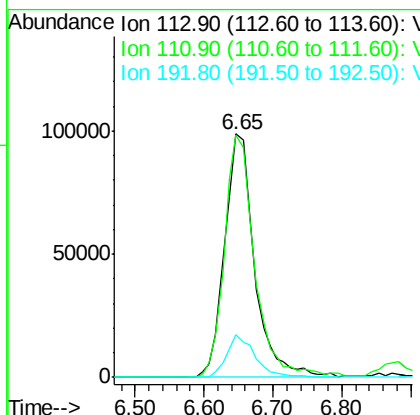
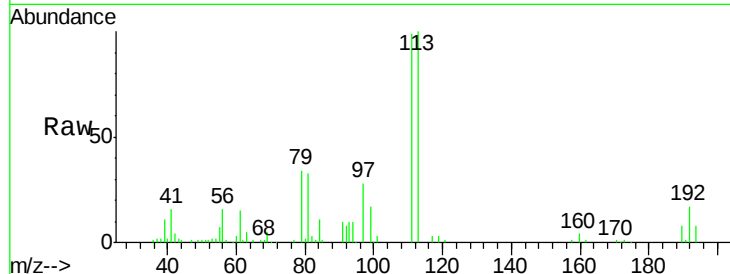
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.65 min Scan# 571
 Delta R.T. -0.03 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	298101		
111	99.3	82.3	123.5	
192	17.3	14.4	21.6	

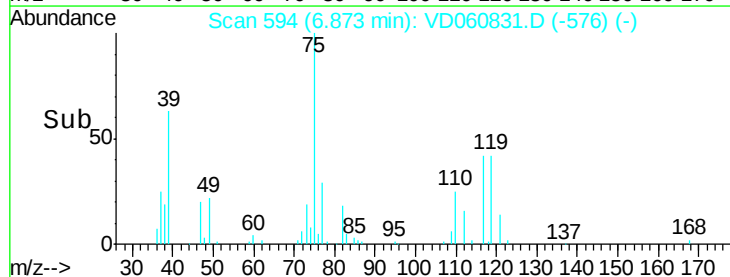
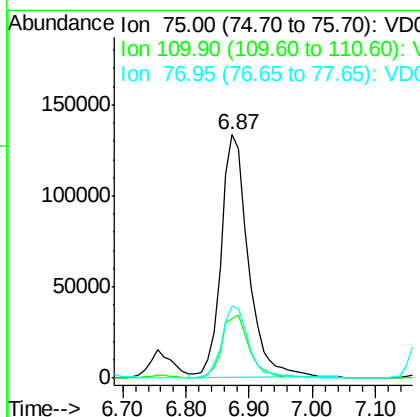
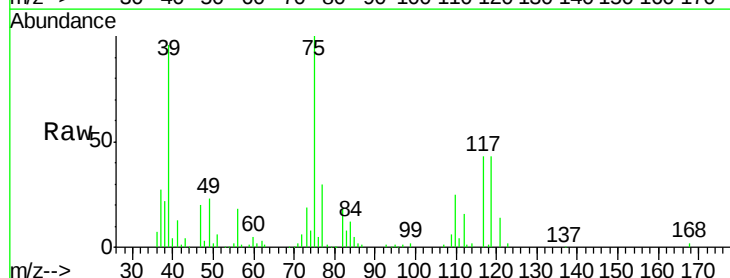
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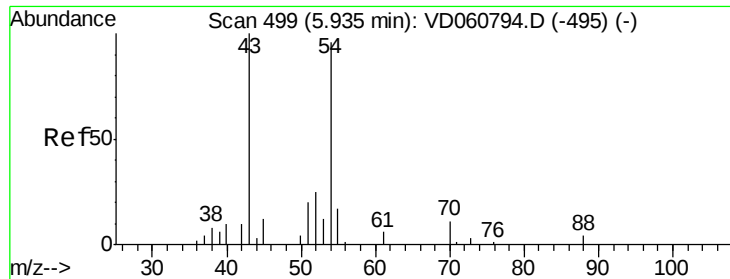
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#36
 1,1-Dichloropropene
 Concen: 65.471 ug/l
 RT: 6.87 min Scan# 594
 Delta R.T. -0.03 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	400344		
110	24.6	13.5	40.4	
77	29.6	23.4	35.2	





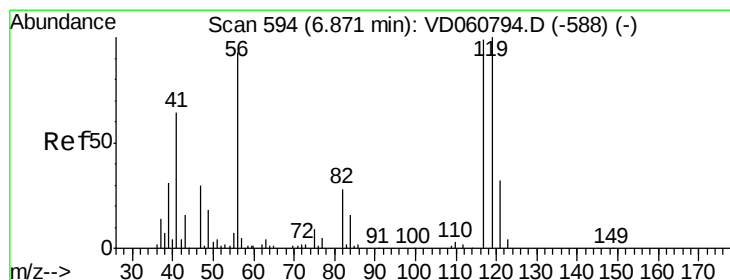
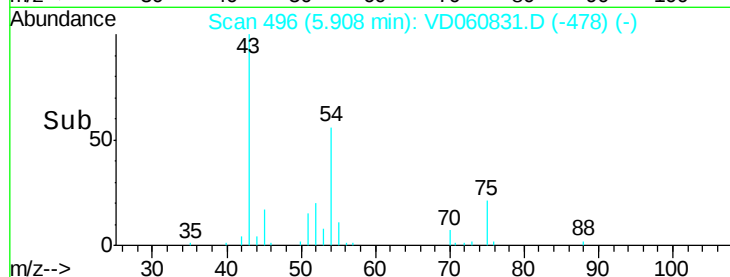
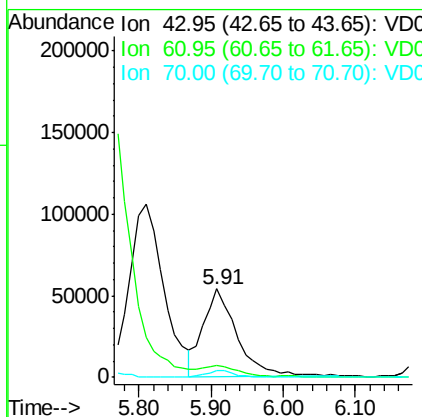
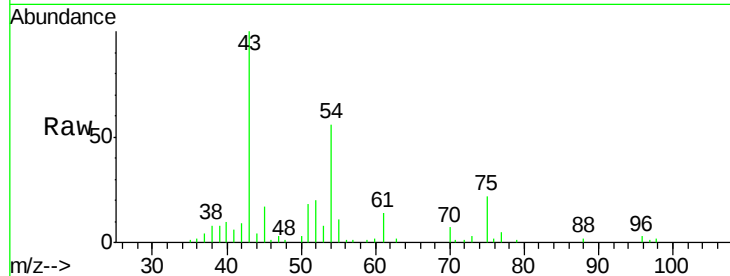
#37
Ethyl Acetate
Concen: 63.359 ug/l
RT: 5.91 min Scan# 496
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	12.3	18.5
70	7.5	7.4	11.0

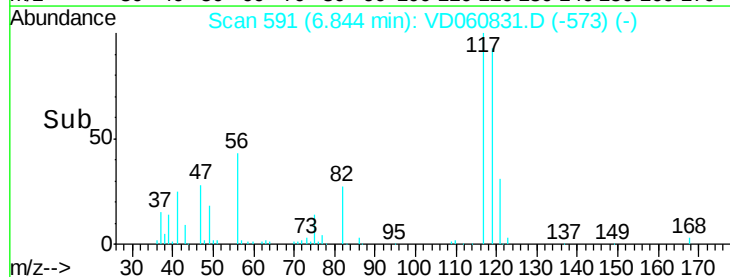
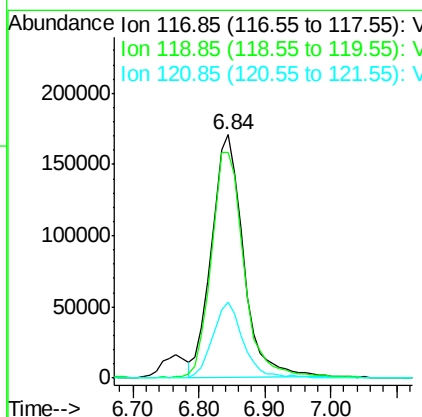
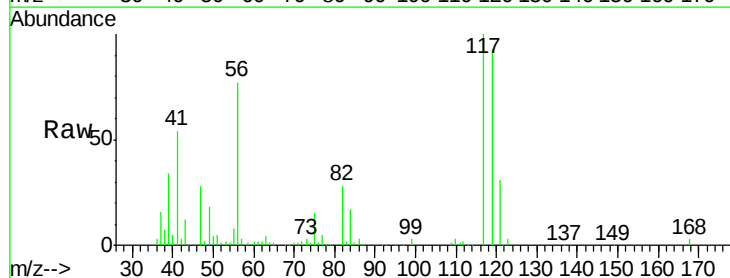
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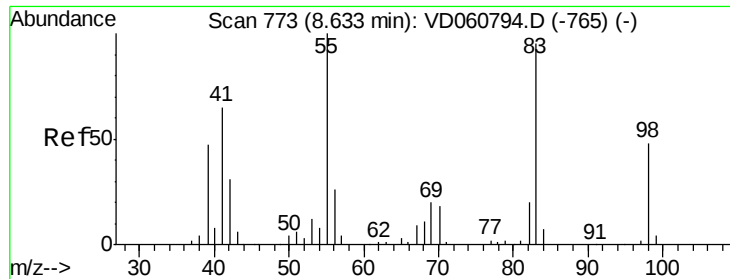
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#38
Carbon Tetrachloride
Concen: 74.343 ug/l
RT: 6.84 min Scan# 591
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.6	113.4
121	31.1	23.4	35.2





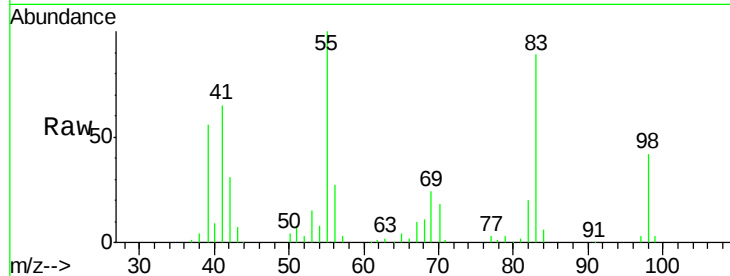
#39
Methvlcvclohexane
Concen: 56.216 ug/l
RT: 8.61 min Scan# 770
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

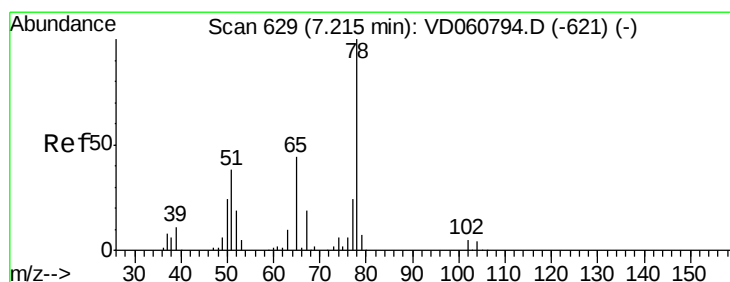
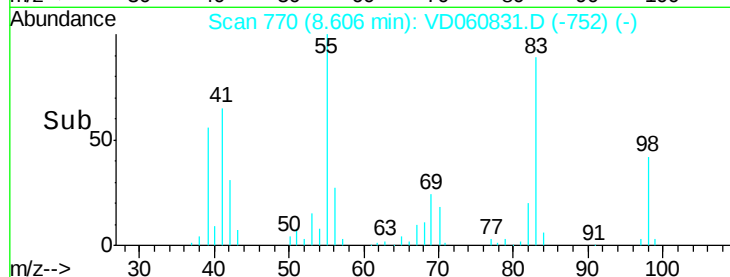
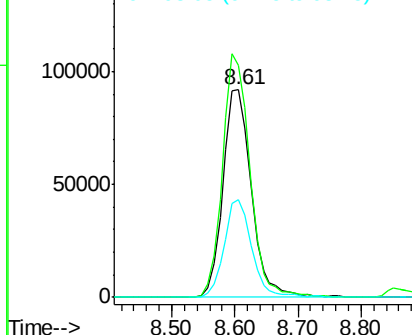
Tot Ion	Ratio	Lower	Upper
83	100		
55	112.0	83.8	125.8
98	47.4	39.8	59.8

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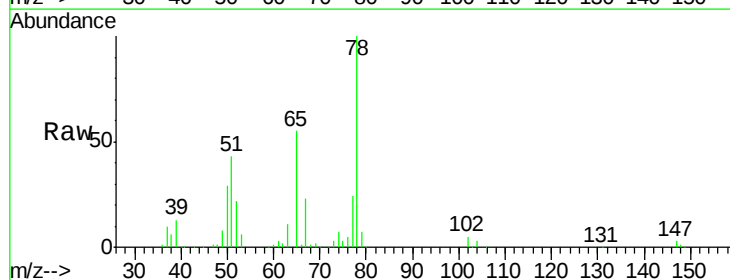


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

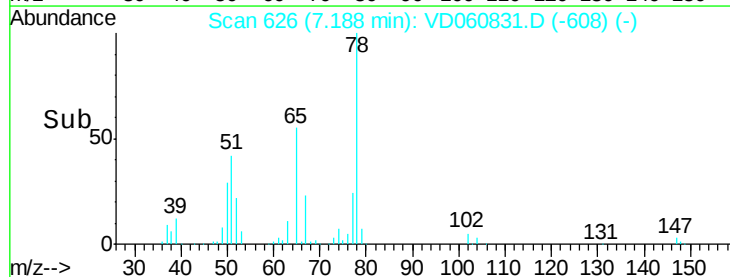
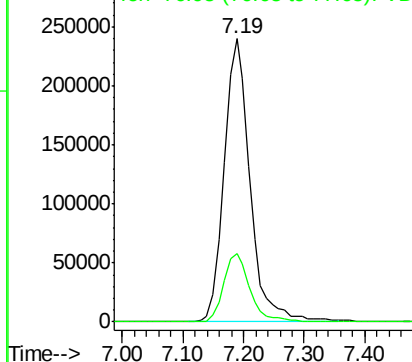


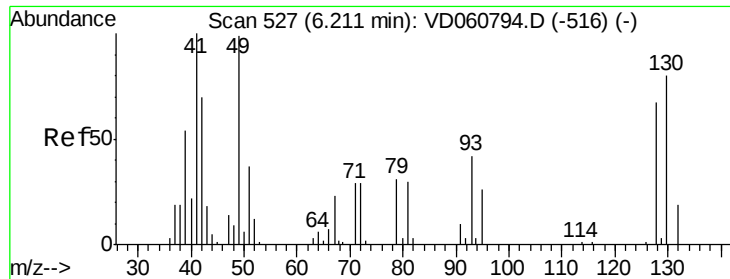
#40
Benzene
Concen: 59.010 ug/l
RT: 7.19 min Scan# 626
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.9	28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





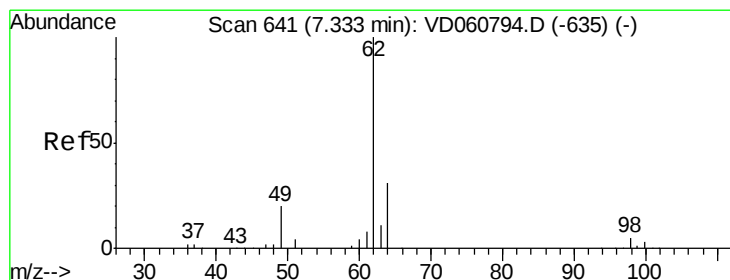
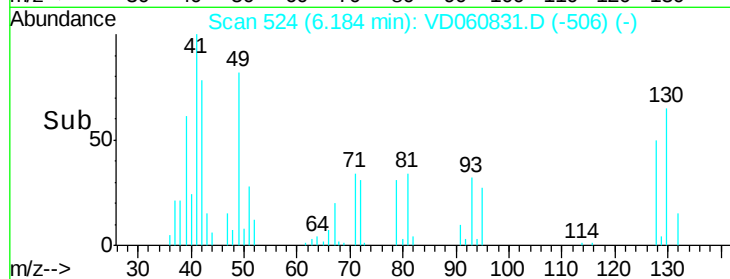
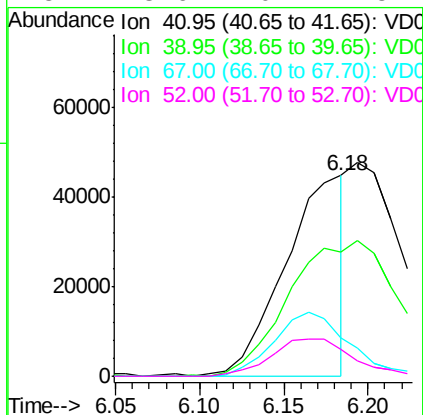
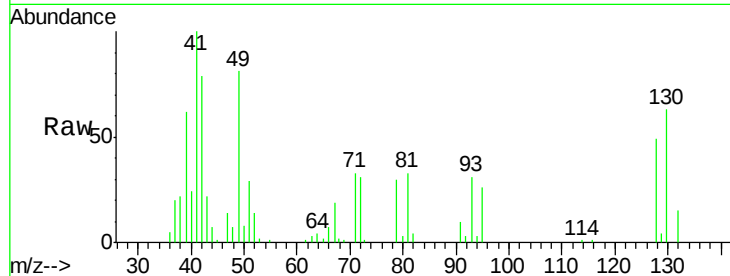
#41
Methacrylonitrile
Concen: 65.915 ug/l m
RT: 6.18 min Scan# 524
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.8	43.6	65.4
67	19.3	18.5	27.7
52	13.6	10.2	15.2

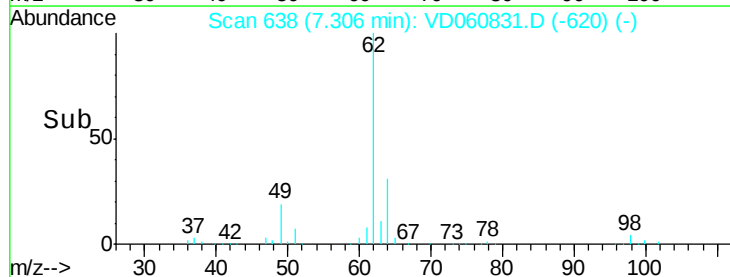
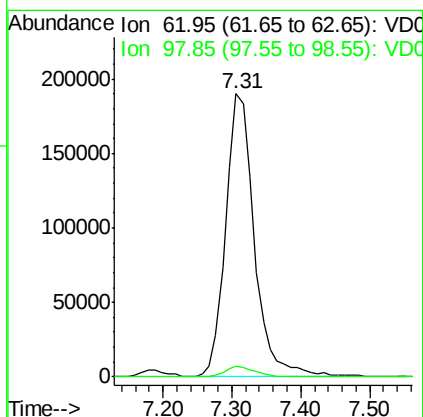
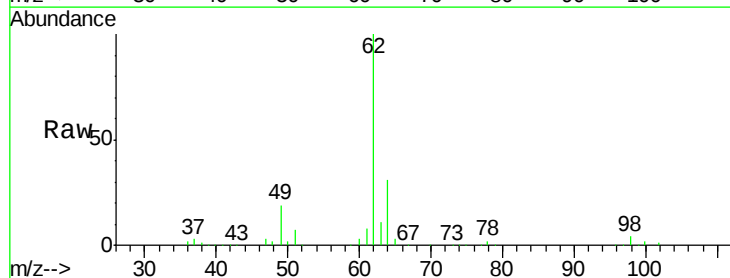
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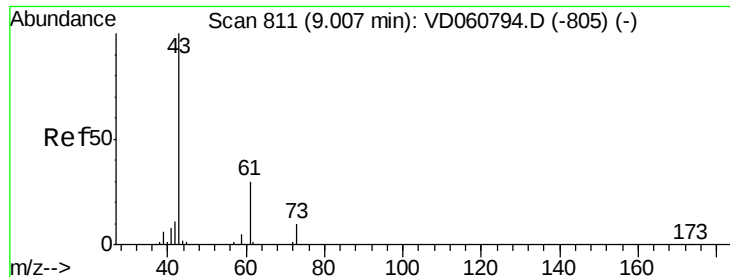
MMDadoda
2/4/2019 4:43:12 PM



#42
1,2-Dichloroethane
Concen: 77.633 ug/l
RT: 7.31 min Scan# 638
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.9	0.0	10.2





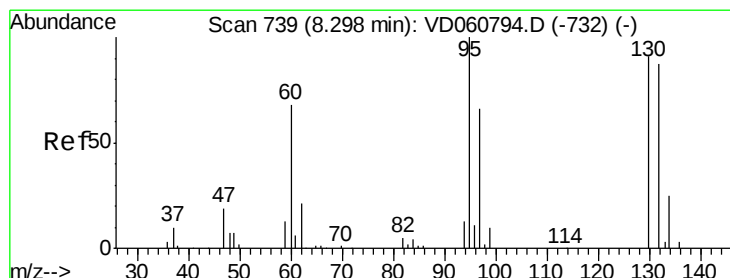
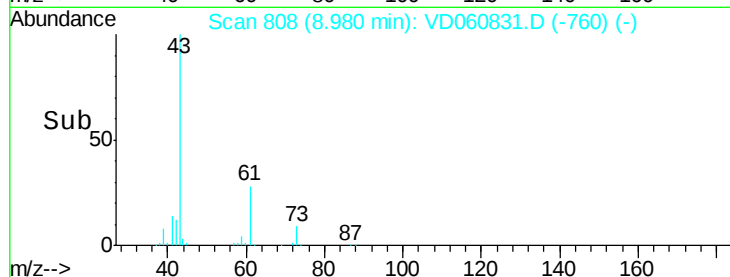
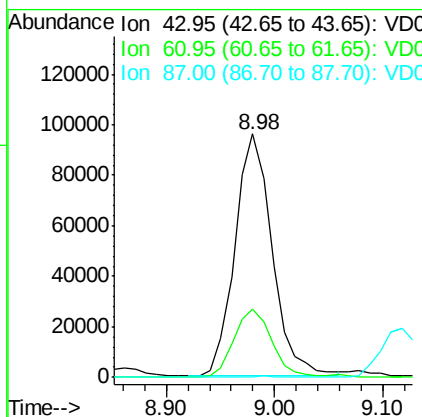
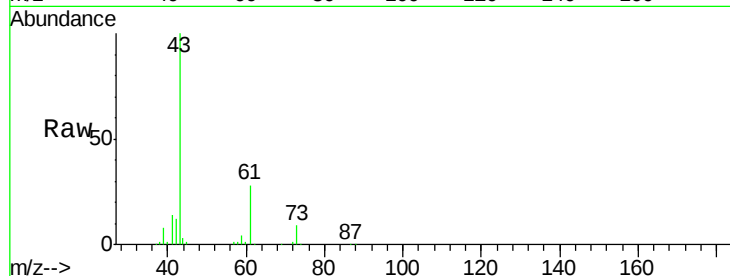
#43
Isopropyl Acetate
Concen: 64.492 ug/l
RT: 8.98 min Scan# 808
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 229599
Ion Ratio Lower Upper
43 100
61 27.9 24.1 36.1
87 0.4 0.0 0.0#

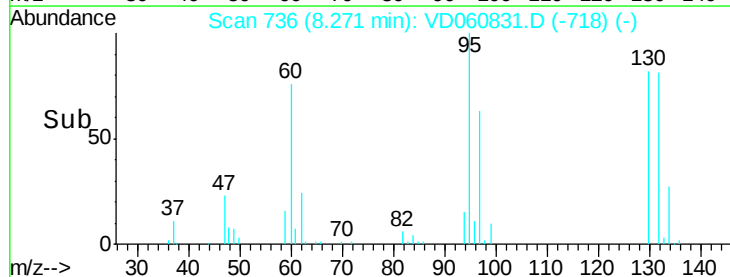
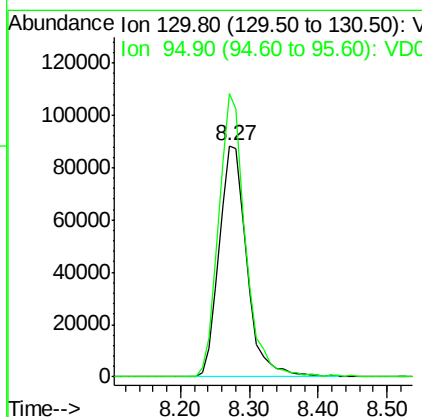
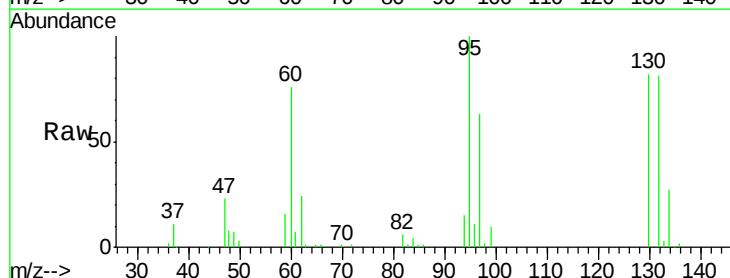
Manual Integrations
APPROVED

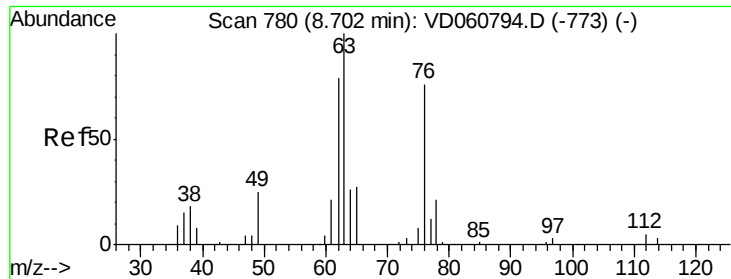
MMDadoda
2/4/2019 4:43:12 PM



#44
Trichloroethene
Concen: 60.018 ug/l
RT: 8.27 min Scan# 736
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion:130 Resp: 245547
Ion Ratio Lower Upper
130 100
95 122.3 0.0 221.0





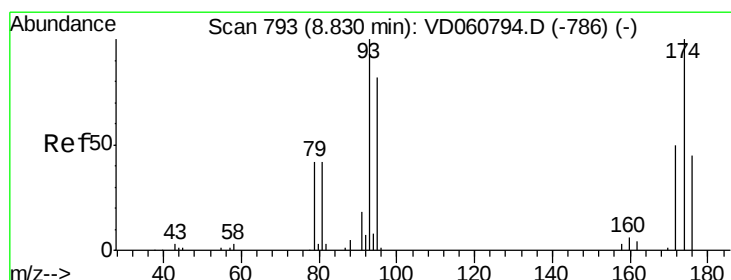
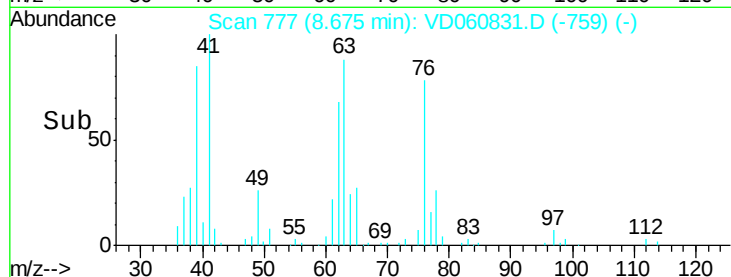
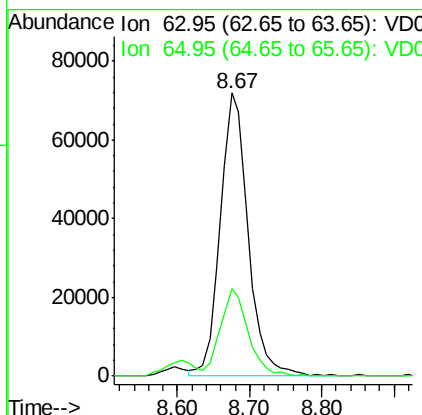
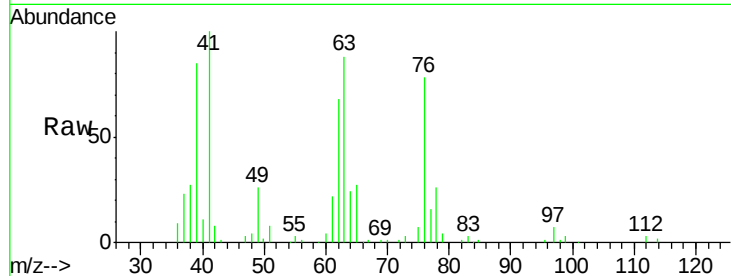
#45
 1,2-Dichloropropane
 Concen: 58.796 ug/l
 RT: 8.67 min Scan# 777
 Delta R.T. -0.03 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 192084
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.1 36.1

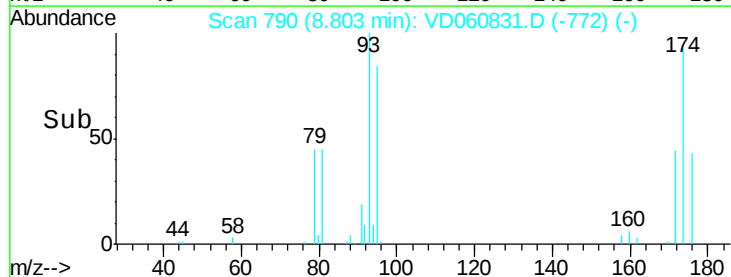
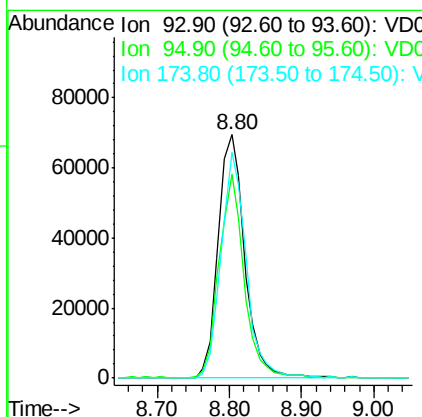
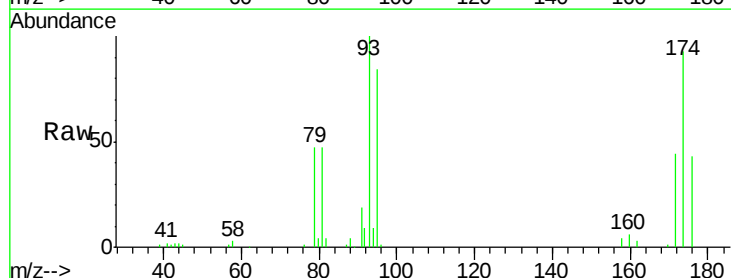
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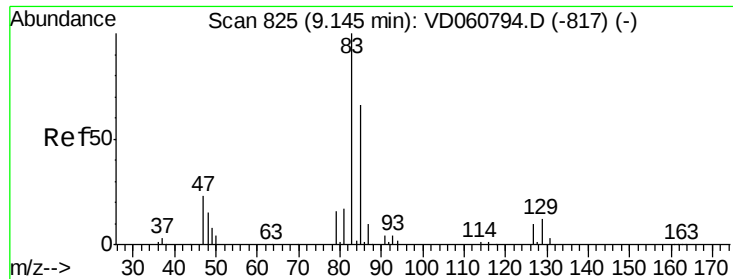
MMDadoda
 2/4/2019 4:43:12 PM



#46
 Dibromomethane
 Concen: 69.673 ug/l
 RT: 8.80 min Scan# 790
 Delta R.T. -0.03 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion: 93 Resp: 176699
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.8 98.8
 174 92.6 79.8 119.6





#47

Bromodichloromethane

Concen: 71.266 ug/l

RT: 9.12 min Scan# 822

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

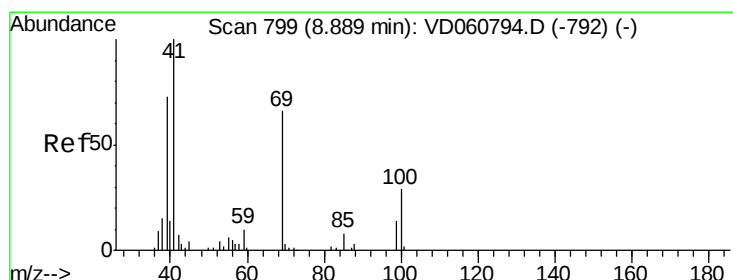
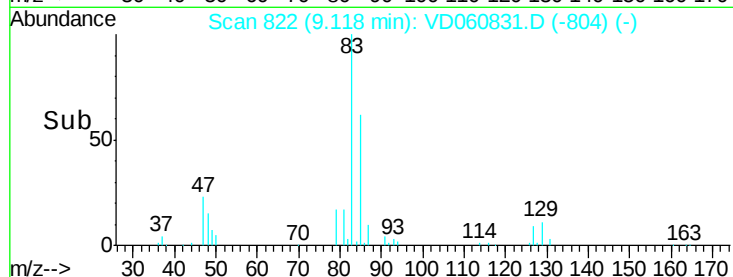
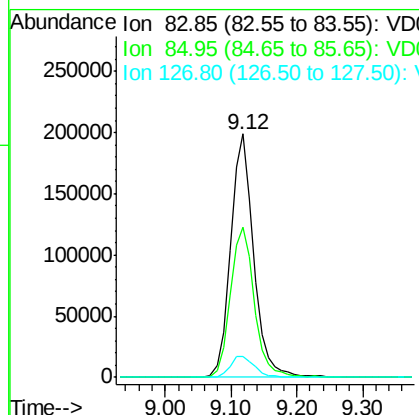
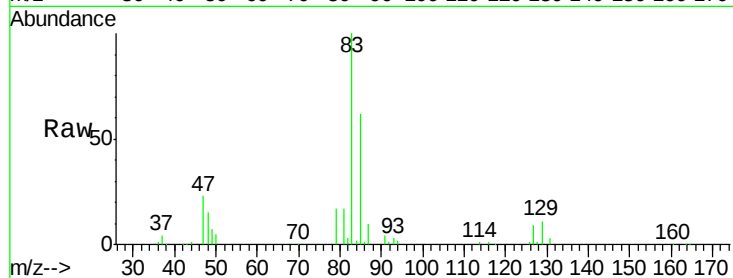
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	487850
Ion Ratio	Lower	Upper	
83	100		
85	61.6	52.6	79.0
127	8.6	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 67.349 ug/l

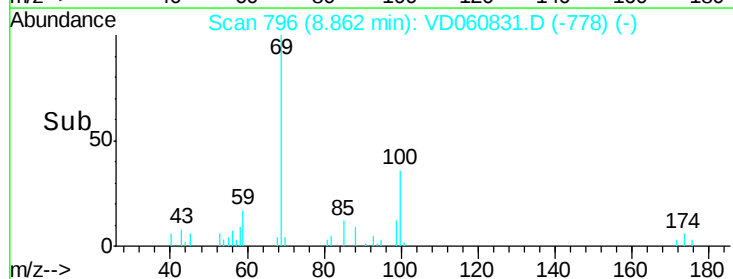
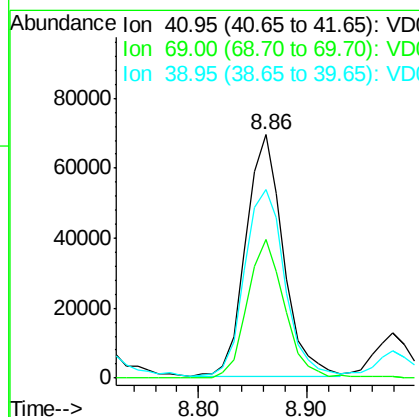
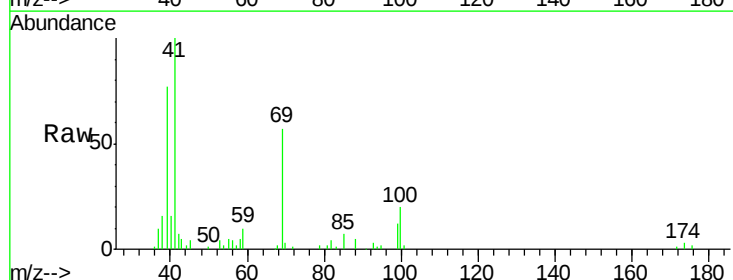
RT: 8.86 min Scan# 796

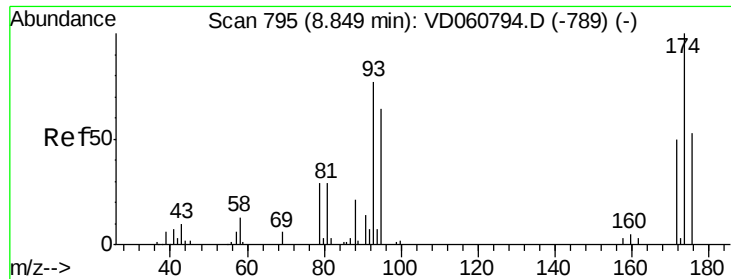
Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Tgt Ion:	41	Resp:	165343
Ion Ratio	Lower	Upper	
41	100		
69	56.9	52.5	78.7
39	77.3	59.0	88.6





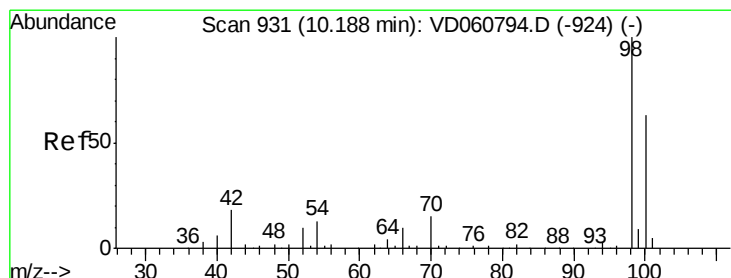
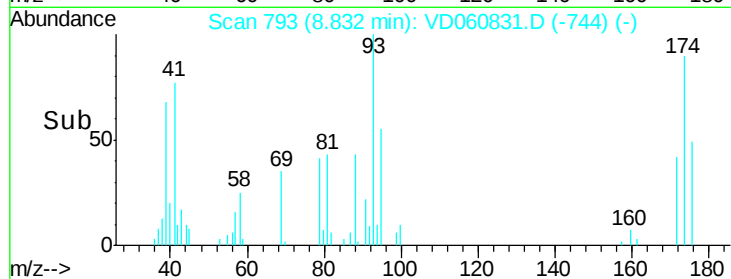
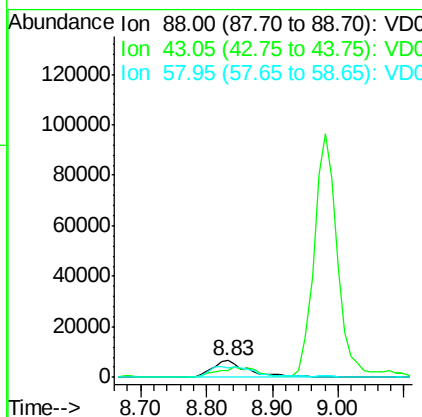
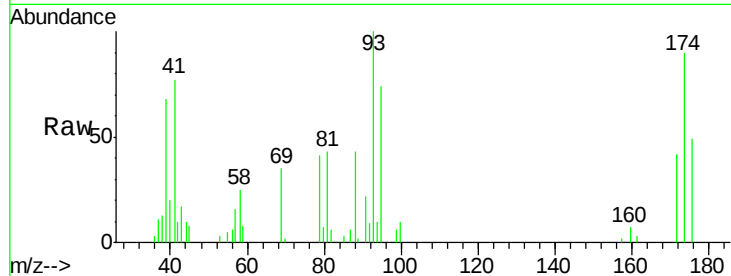
#49
1,4-Dioxane
Concen: 1178.262 ug/l
RT: 8.83 min Scan# 793
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.8	40.9	61.3#
58	58.7	52.2	78.4

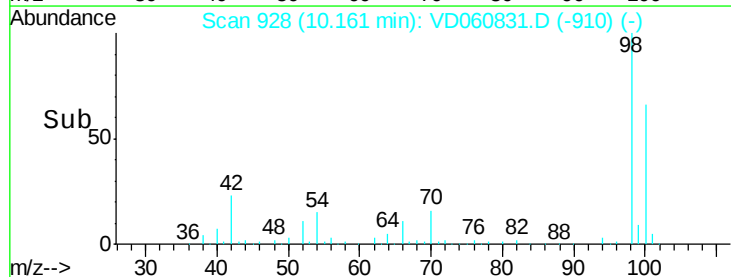
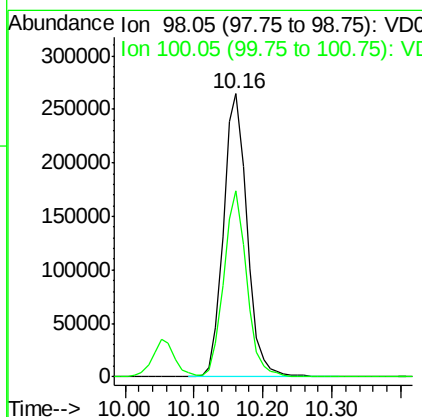
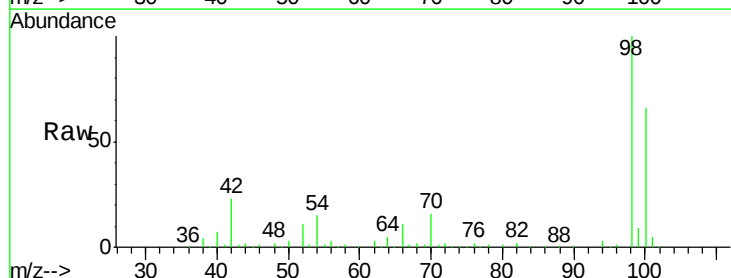
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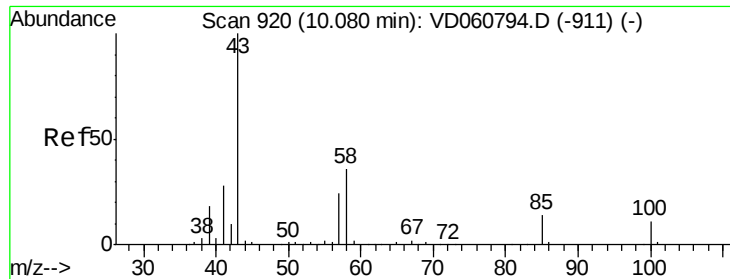
MMDadoda
2/4/2019 4:43:12 PM



#50
Toluene-d8
Concen: 1178.262 ug/l
RT: 10.16 min Scan# 928
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.0	76.6





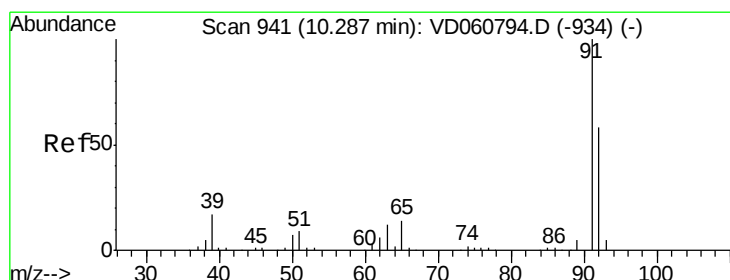
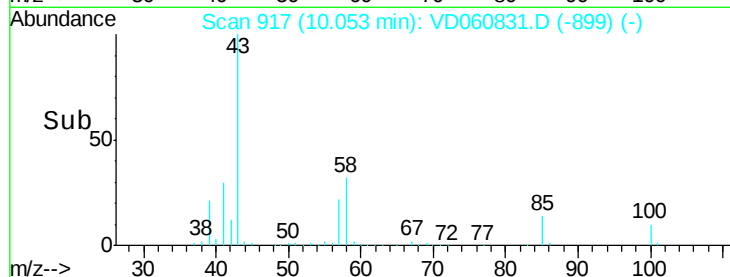
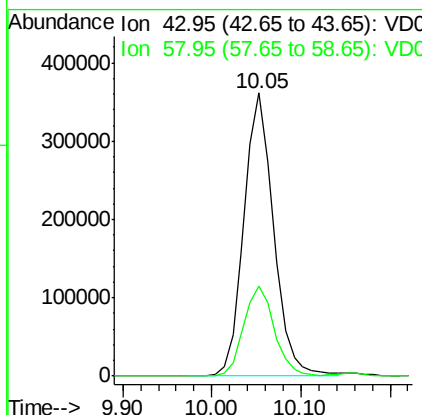
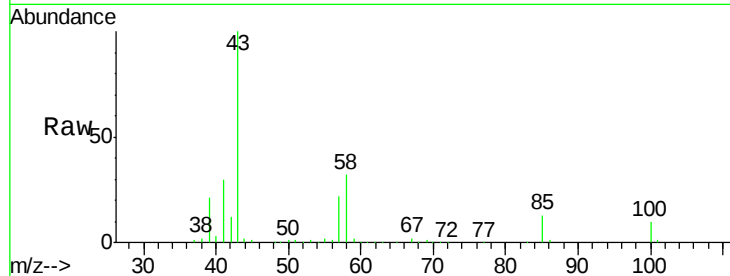
#51
4-Methyl-2-Pentanone
Concen: 361.175 ug/l
RT: 10.05 min Scan# 917
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	31.8	28.4	42.6

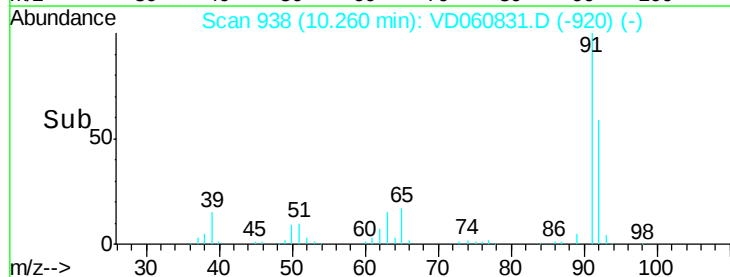
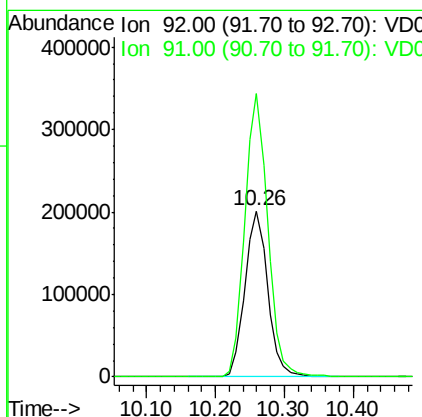
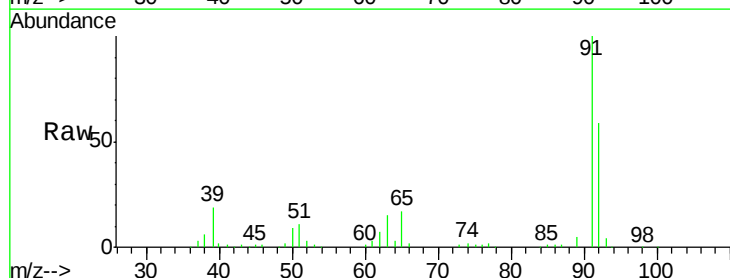
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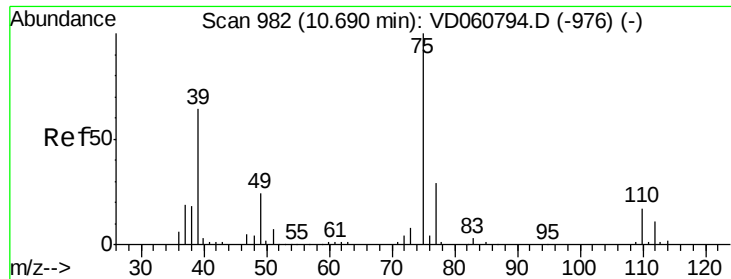
MMDadoda
2/4/2019 4:43:12 PM



#52
Toluene
Concen: 60.481 ug/l
RT: 10.26 min Scan# 938
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.3	137.7	206.5





#53

t-1,3-Dichloropropene

Concen: 67.149 ug/l

RT: 10.66 min Scan# 979

Delta R.T. -0.03 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Tot Ion: 75 Resp: 404335

Ion Ratio Lower Upper

75 100

77 31.5 23.0 34.6

Instrument :

MSVOA_D

ClientSampleId :

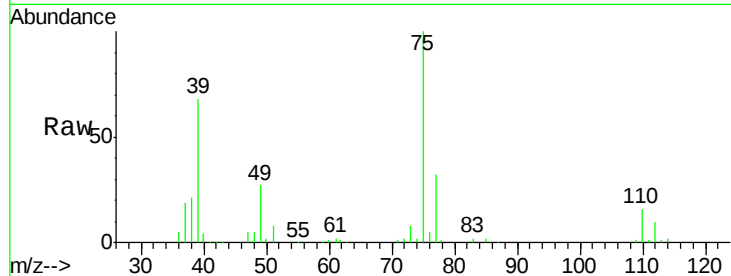
VSTDCCC050EC

Manual Integrations

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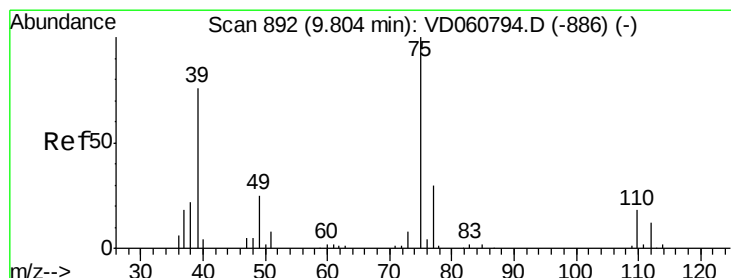
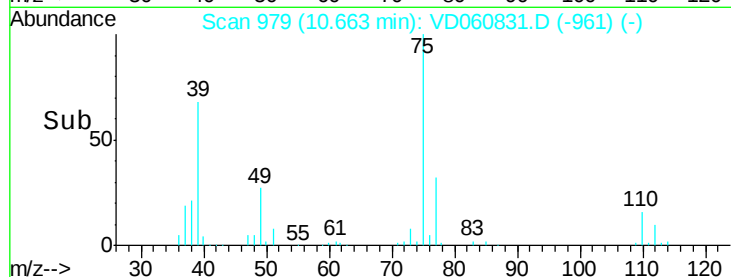
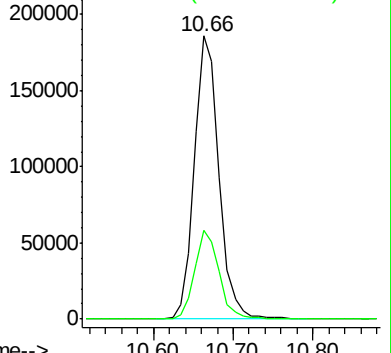
MMDadoda

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 66.517 ug/l

RT: 9.79 min Scan# 890

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

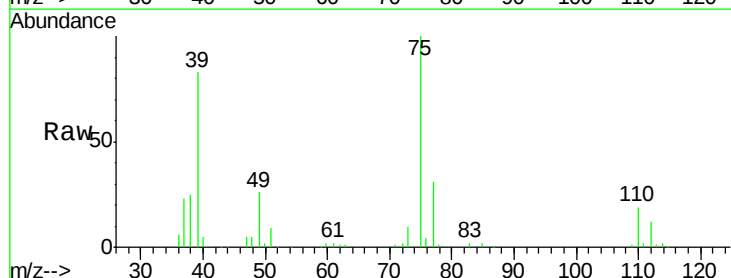
Tgt Ion: 75 Resp: 410727

Ion Ratio Lower Upper

75 100

77 30.8 23.9 35.9

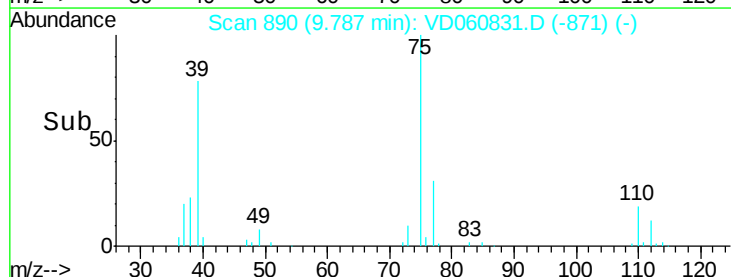
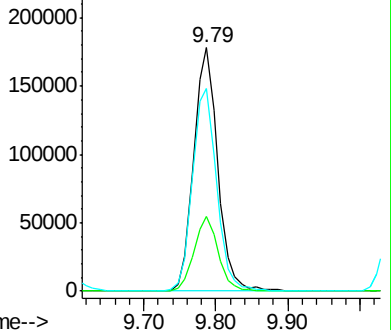
39 83.2 60.4 90.6

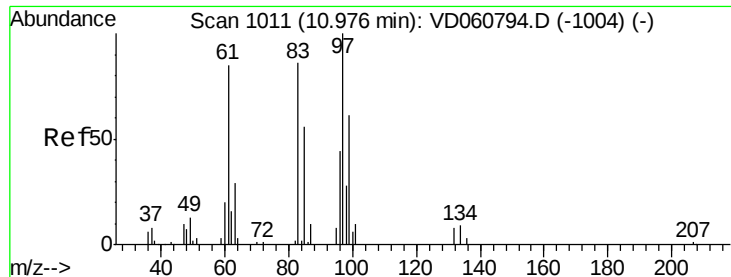


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





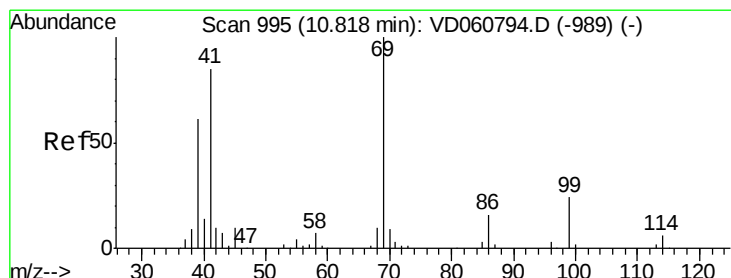
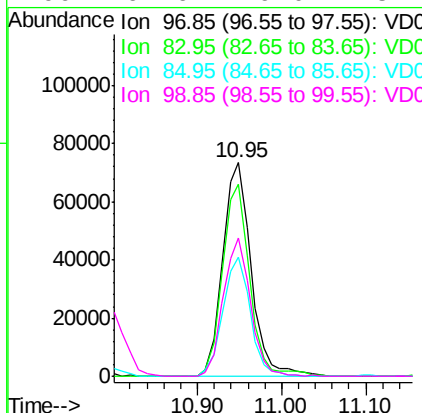
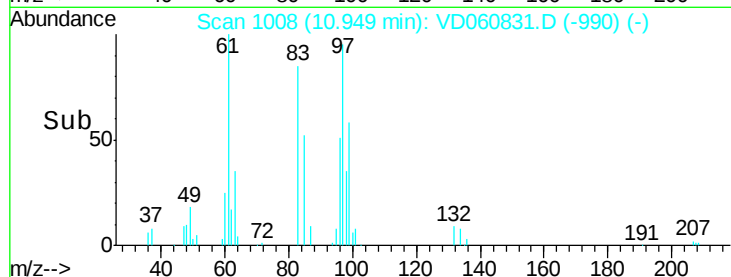
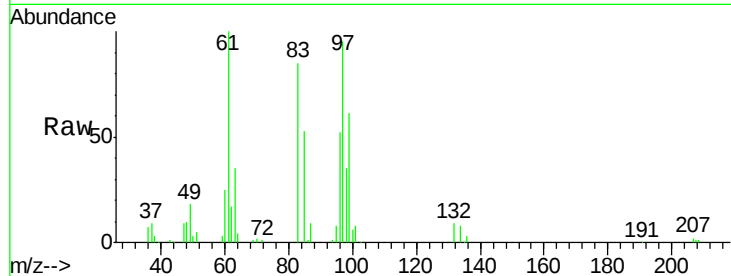
#55
 1,1,2-Trichloroethane
 Concen: 65.781 ug/l
 RT: 10.95 min Scan# 1008
 Delta R.T. -0.03 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	171691
Ion	Ratio	Lower	Upper
97	100		
83	90.0	68.5	102.7
85	55.6	45.0	67.6
99	64.6	49.0	73.4

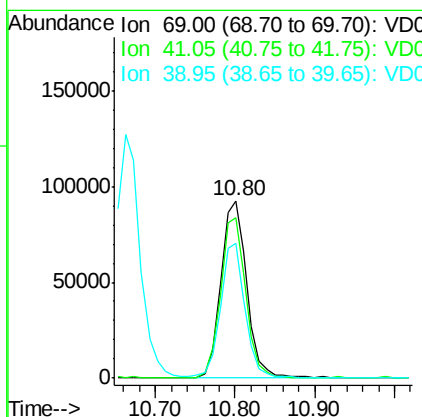
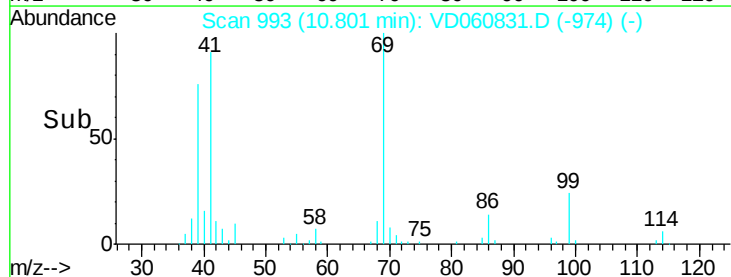
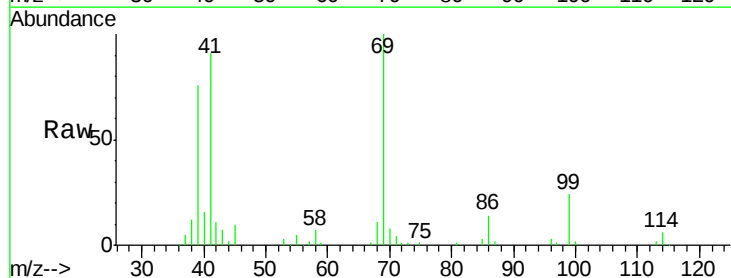
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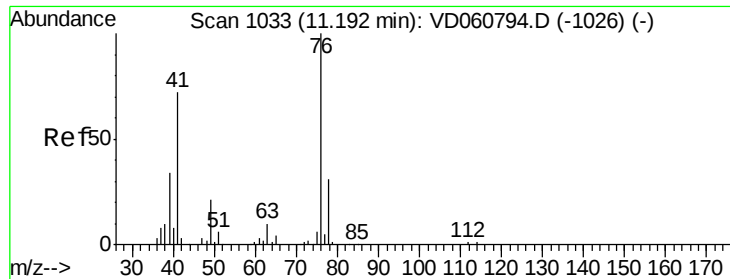
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 66.886 ug/l
 RT: 10.80 min Scan# 993
 Delta R.T. -0.02 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion:	69	Resp:	211480
Ion	Ratio	Lower	Upper
69	100		
41	90.6	68.2	102.2
39	75.8	49.4	74.0#





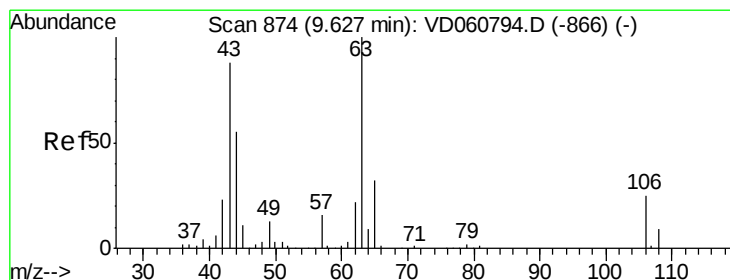
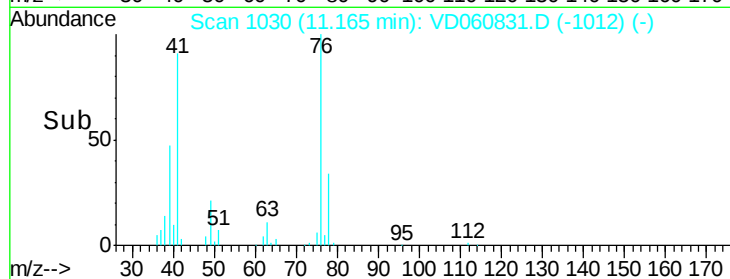
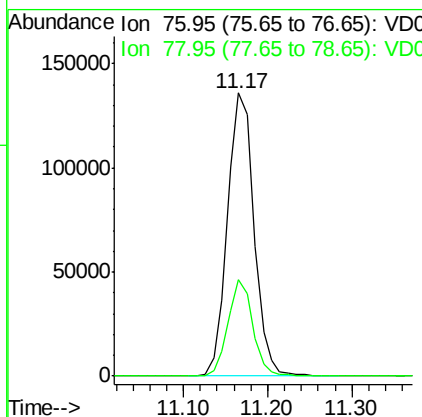
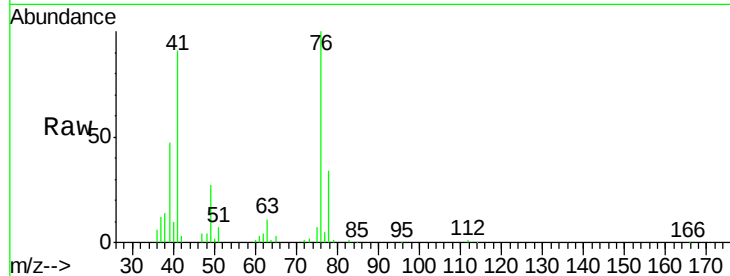
#57
 1,3-Dichloropropane
 Concen: 66.993 ug/l
 RT: 11.17 min Scan# 1030
 Delta R.T. -0.03 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 298837
 Ion Ratio Lower Upper
 76 100
 78 34.0 24.5 36.7

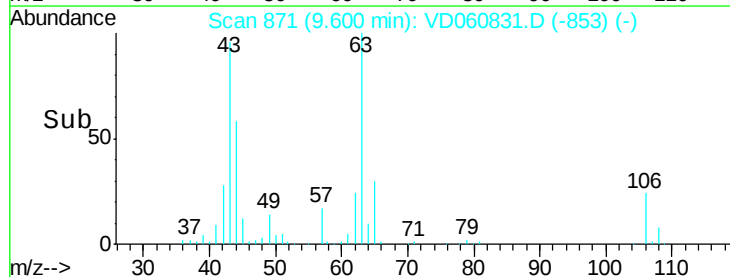
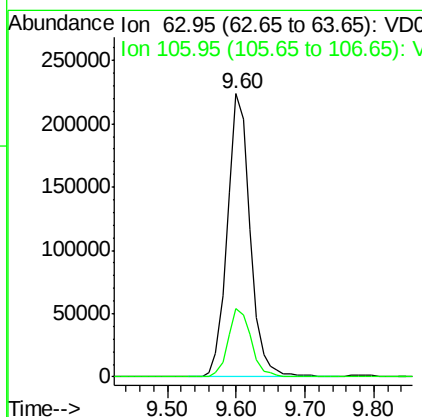
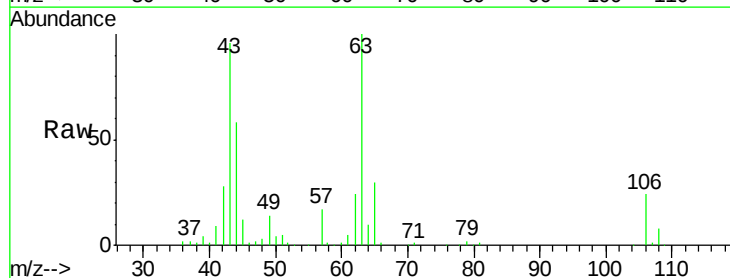
Manual Integrations
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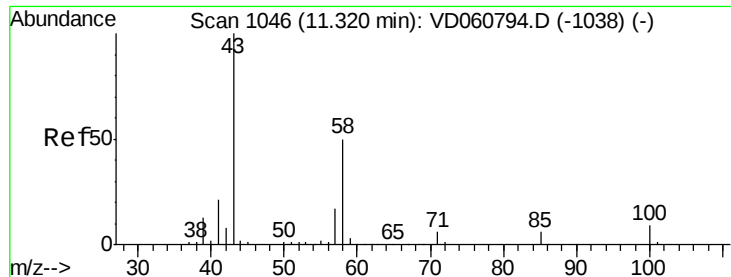
MMDadoda
 2/4/2019 4:43:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 308.158 ug/l
 RT: 9.60 min Scan# 871
 Delta R.T. -0.03 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion: 63 Resp: 511225
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.9 29.9





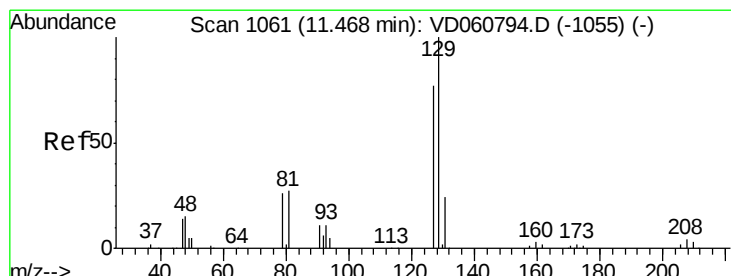
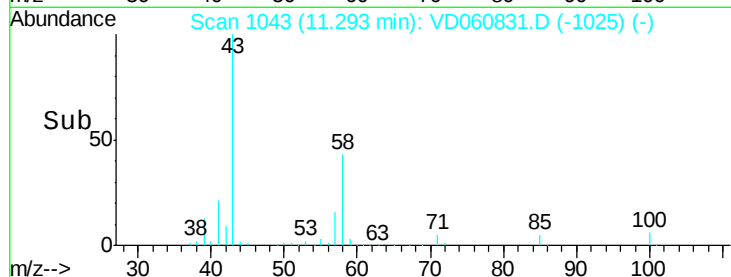
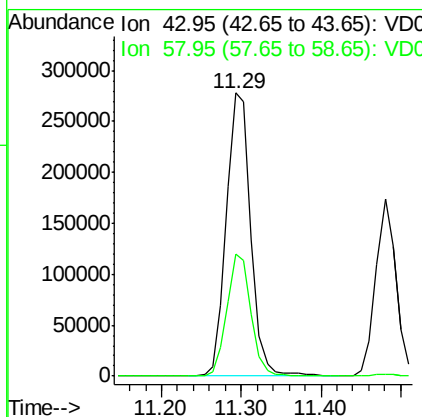
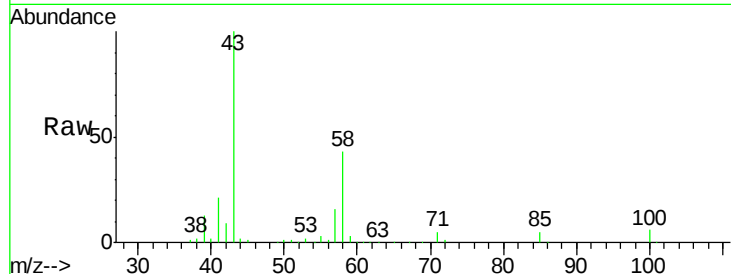
#59
2-Hexanone
Concen: 347.162 ug/l
RT: 11.29 min Scan# 1043
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 601807
Ion Ratio Lower Upper
43 100
58 43.2 25.0 75.0

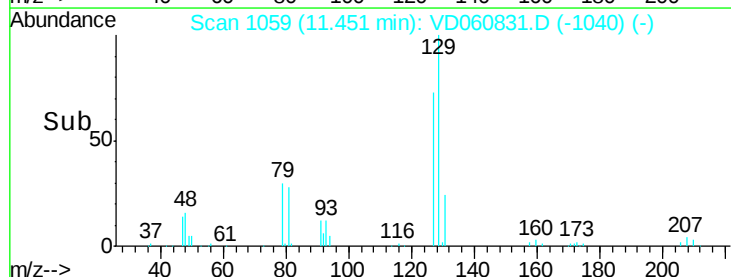
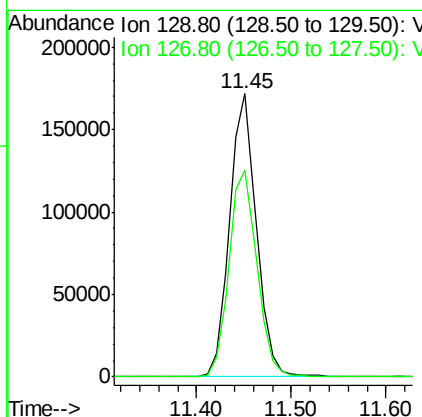
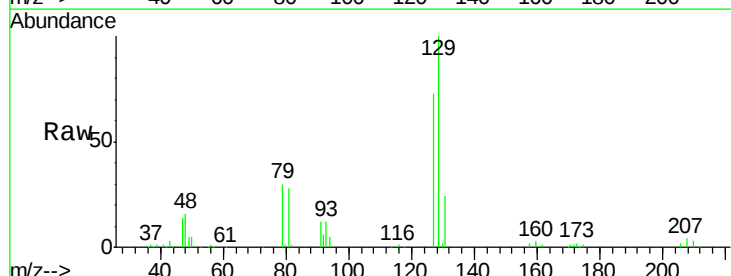
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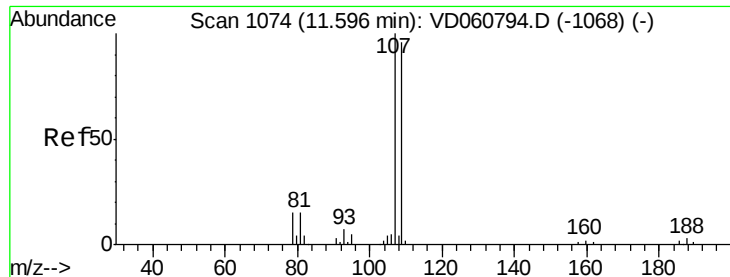
MMDadoda
2/4/2019 4:43:12 PM



#60
Dibromochloromethane
Concen: 71.594 ug/l
RT: 11.45 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion:129 Resp: 335939
Ion Ratio Lower Upper
129 100
127 73.2 38.6 115.7





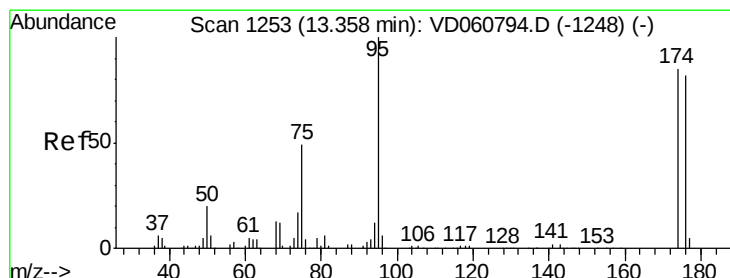
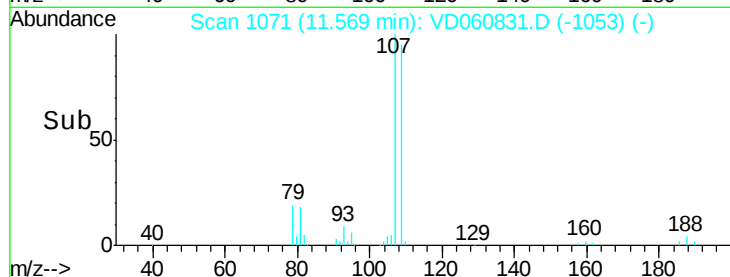
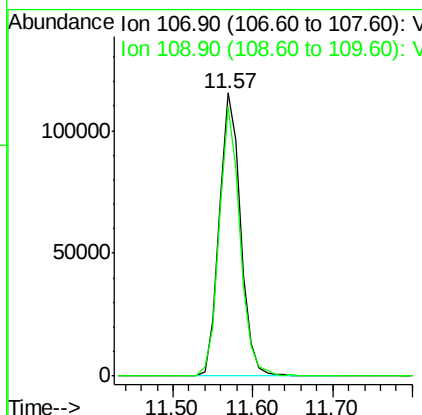
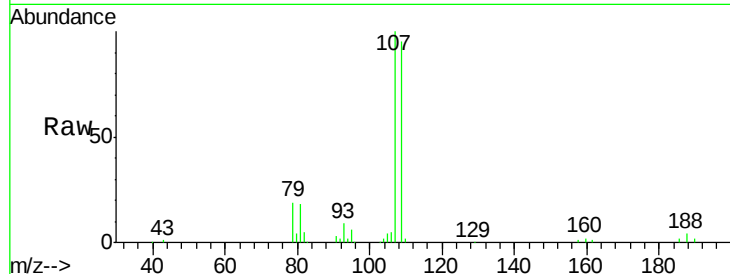
#61
 1,2-Dibromoethane
 Concen: 70.979 ug/l
 RT: 11.57 min Scan# 1071
 Delta R.T. -0.03 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	218179		
109	95.1	76.6	114.8	

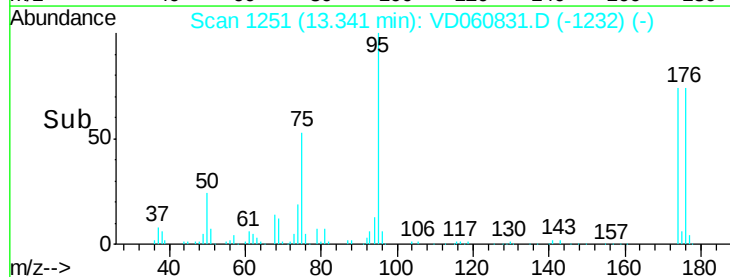
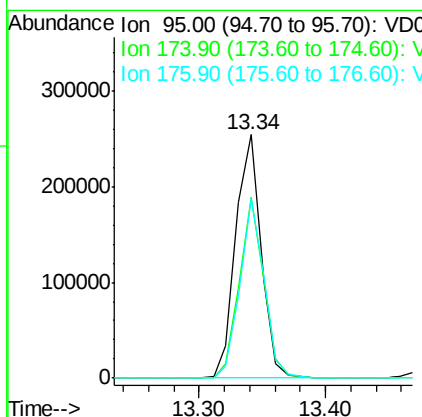
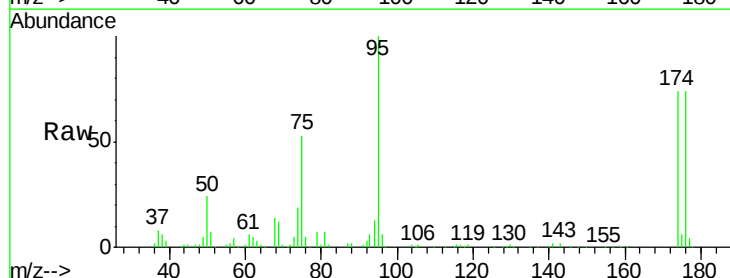
Manual Integrations
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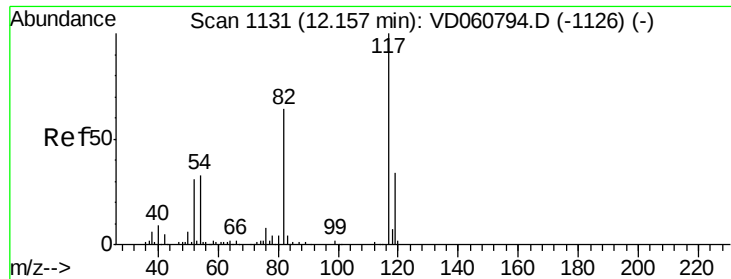
MMDadoda
 2/4/2019 4:43:12 PM



#62
 4-Bromofluorobenzene
 Concen: 70.979 ug/l
 RT: 13.34 min Scan# 1251
 Delta R.T. -0.02 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	352745		
174	74.1	0.0	169.6	
176	73.7	0.0	163.8	





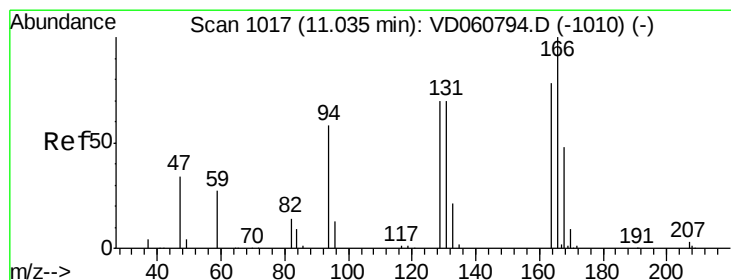
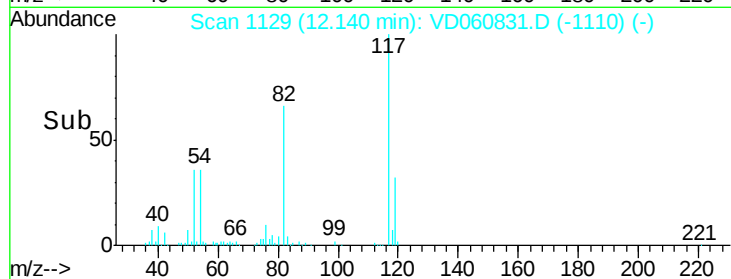
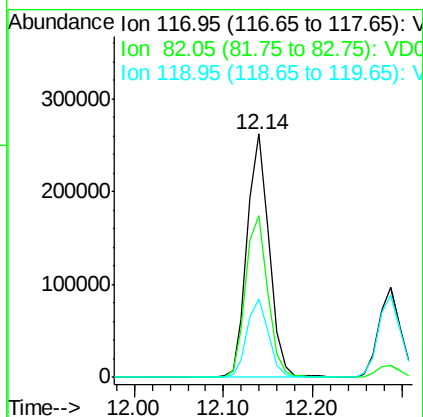
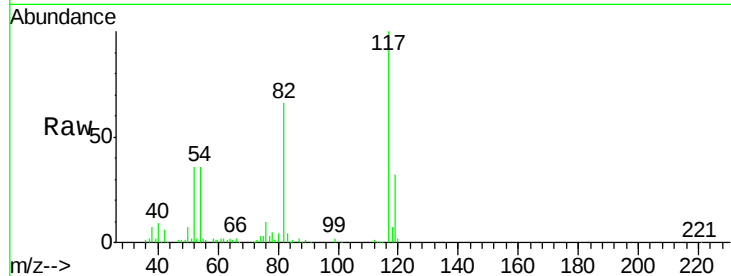
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.14 min Scan# 1129
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.3	51.5	77.3
119	32.2	27.1	40.7

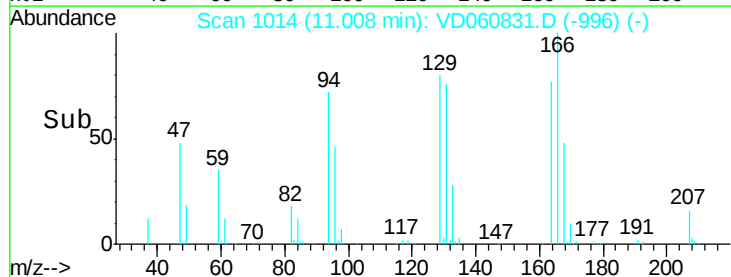
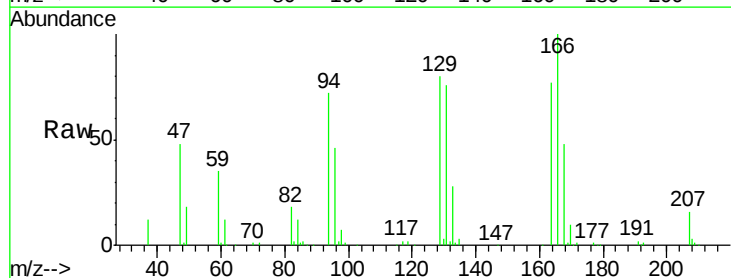
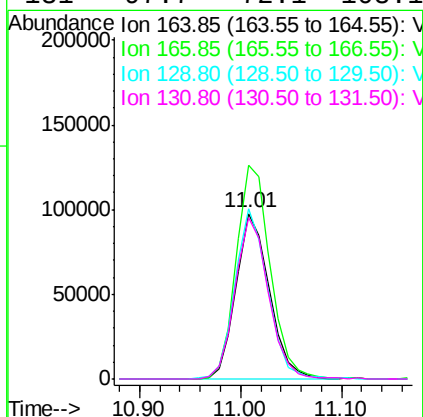
Manual Integrations
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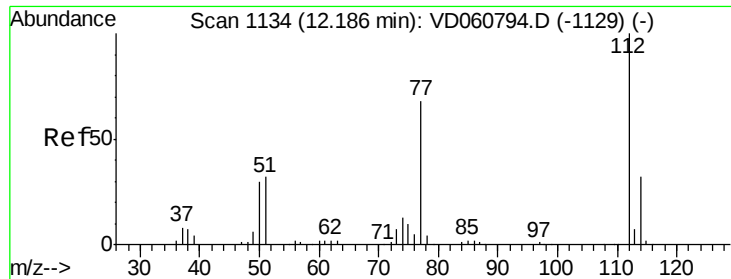
MMDadoda
2/4/2019 4:43:12 PM



#64
Tetrachloroethene
Concen: 54.702 ug/l
RT: 11.01 min Scan# 1014
Delta R.T. -0.03 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	102.6	154.0
129	103.4	72.3	108.5
131	97.7	72.1	108.1





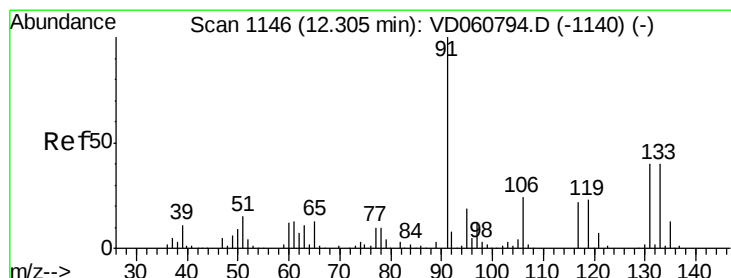
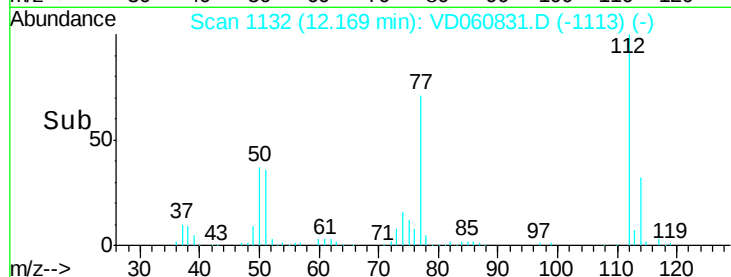
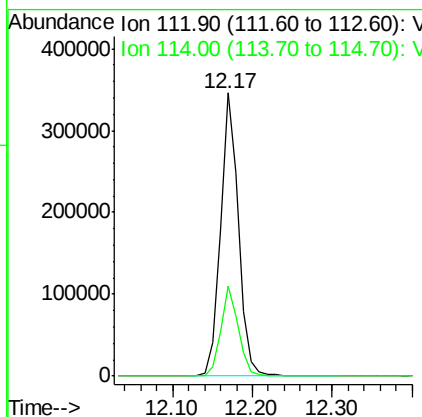
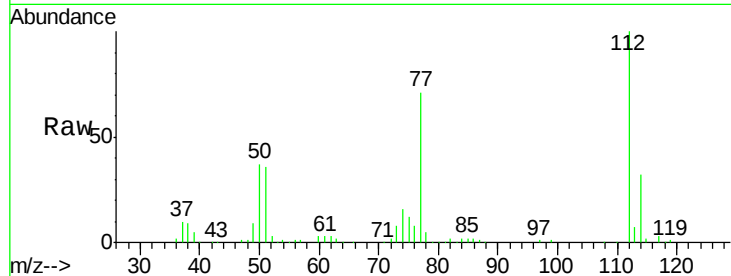
#65
Chlorobenzene
Concen: 53.592 ug/l
RT: 12.17 min Scan# 1132
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 548618
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8

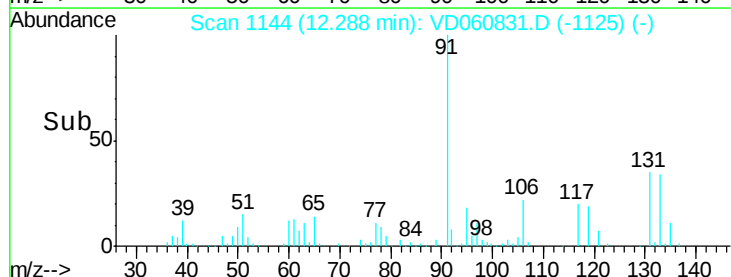
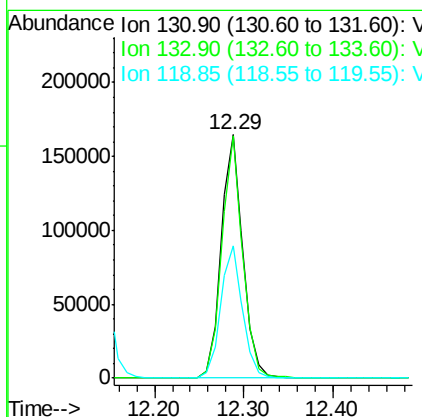
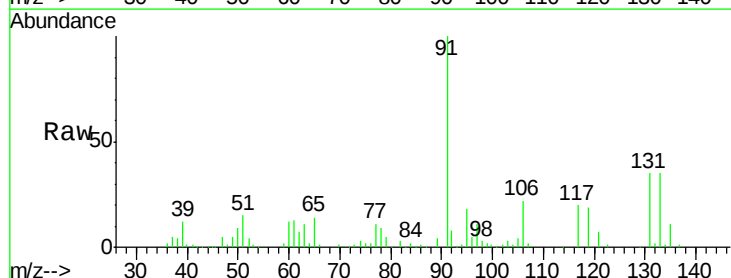
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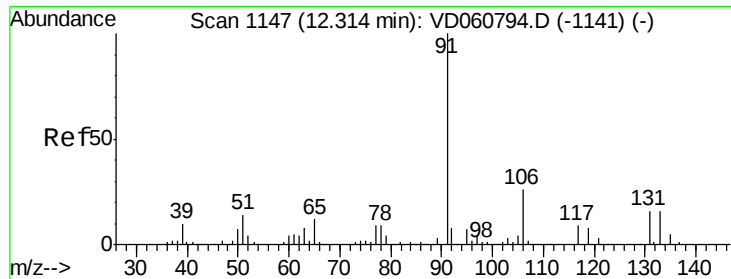
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#66
1,1,1,2-Tetrachloroethane
Concen: 63.814 ug/l
RT: 12.29 min Scan# 1144
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion:131 Resp: 280661
Ion Ratio Lower Upper
131 100
133 99.7 49.9 149.7
119 54.1 28.5 85.5





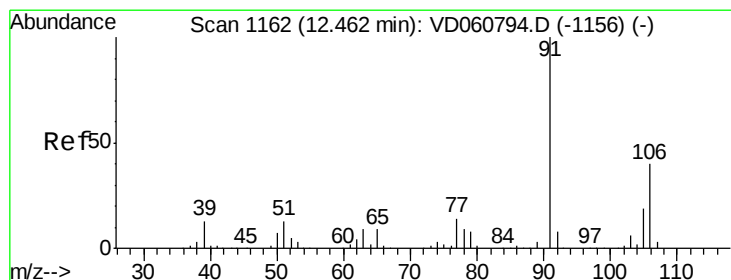
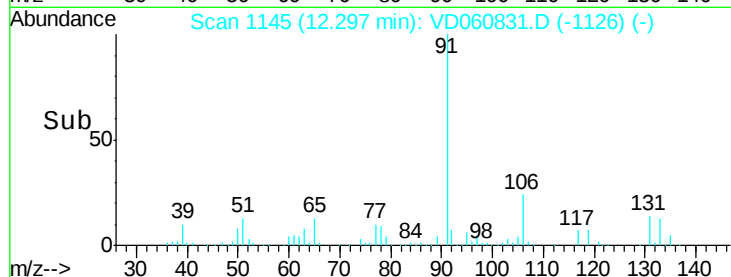
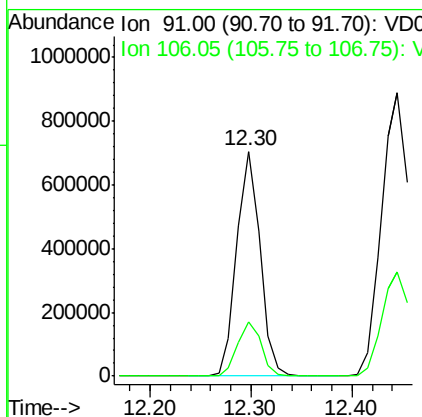
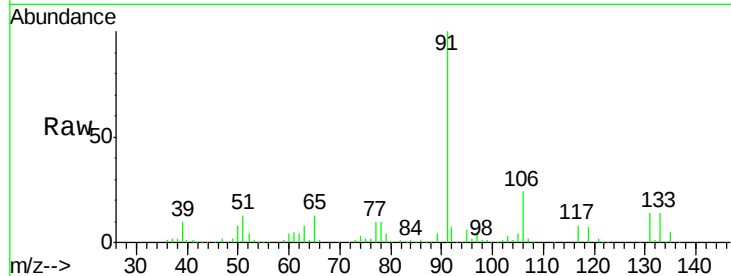
#67
Ethyl Benzene
Concen: 62.013 ug/l
RT: 12.30 min Scan# 1145
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1141540
Ion Ratio Lower Upper
91 100
106 24.3 21.0 31.6

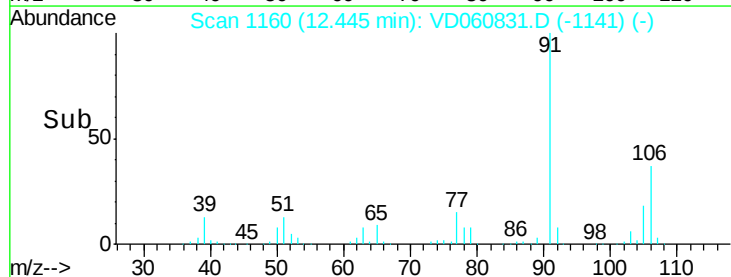
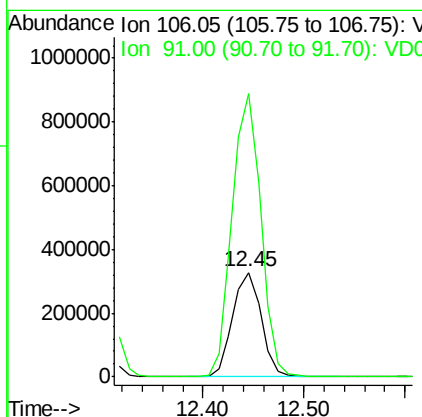
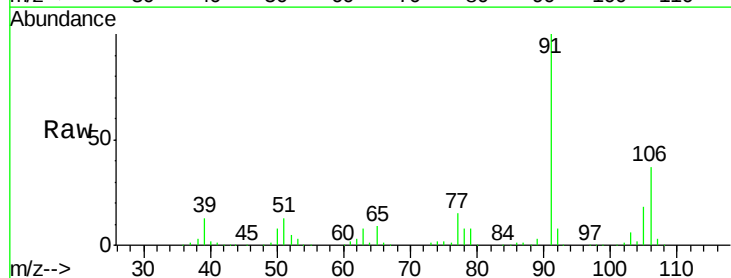
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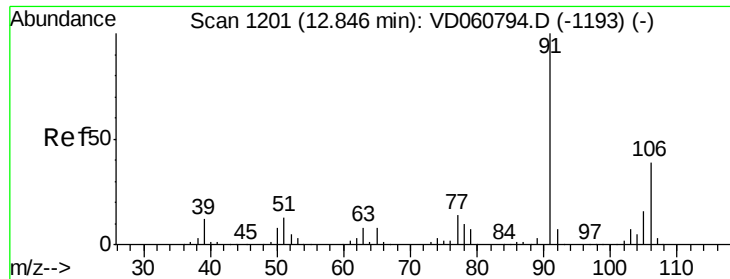
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#68
m/p-Xylenes
Concen: 108.824 ug/l
RT: 12.45 min Scan# 1160
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion: 106 Resp: 651736
Ion Ratio Lower Upper
106 100
91 270.6 200.5 300.7





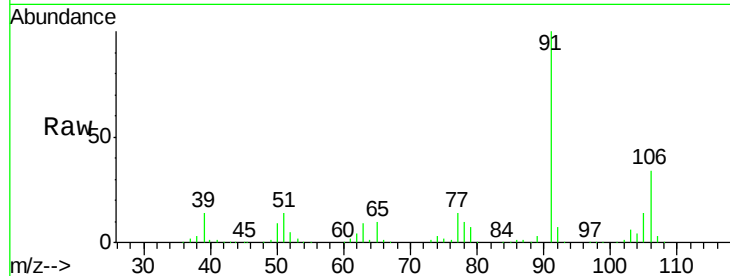
#69
o-Xylene
Concen: 53.517 ug/l
RT: 12.83 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

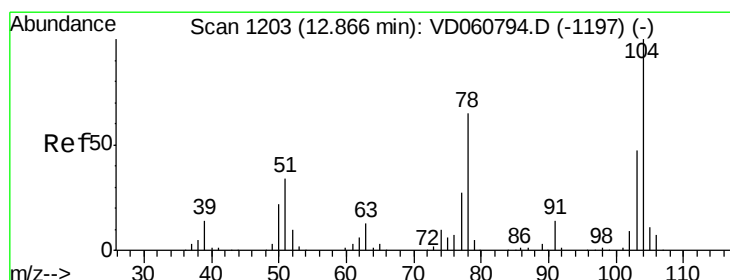
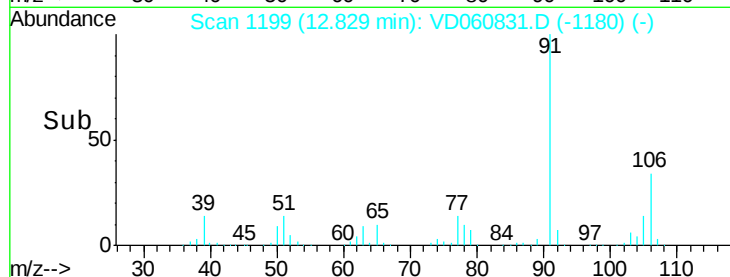
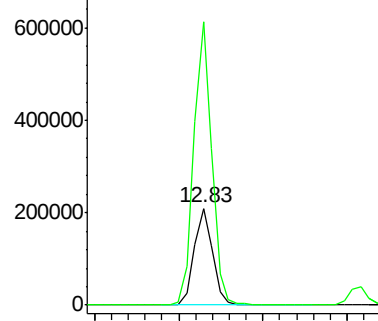
Tot Ion:106 Resp: 317224
Ion Ratio Lower Upper
106 100
91 292.4 127.6 382.7

Manual Integrations
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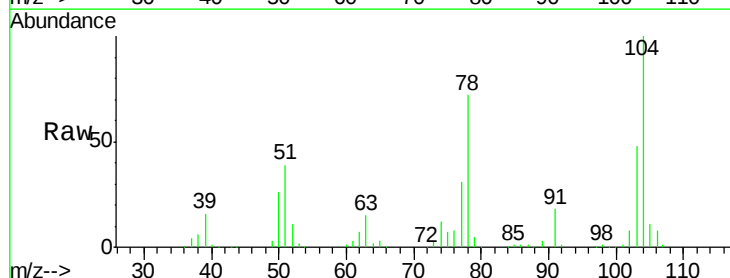


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

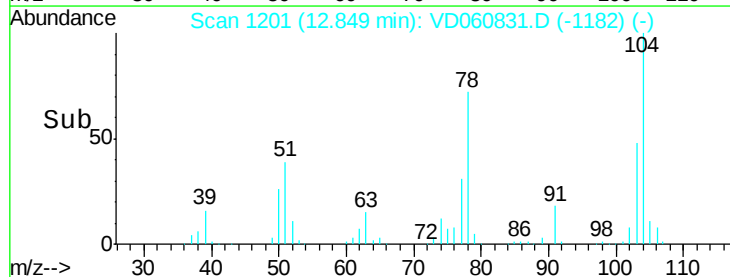
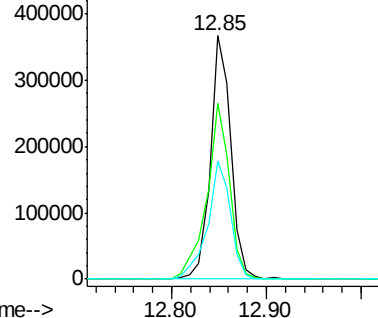


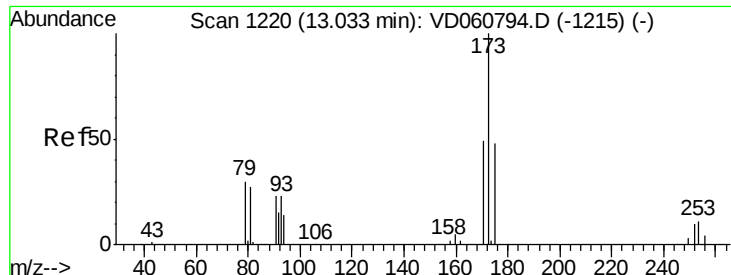
#70
Styrene
Concen: 55.237 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion:104 Resp: 549048
Ion Ratio Lower Upper
104 100
78 72.2 52.0 78.0
103 48.5 37.7 56.5



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





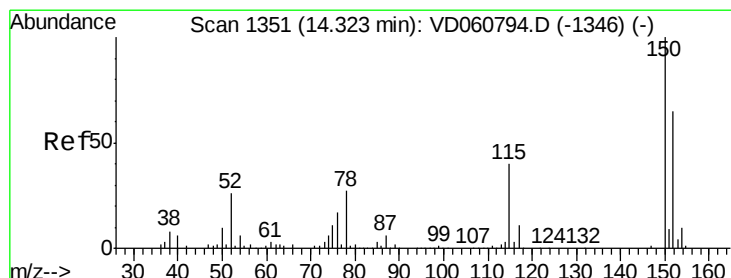
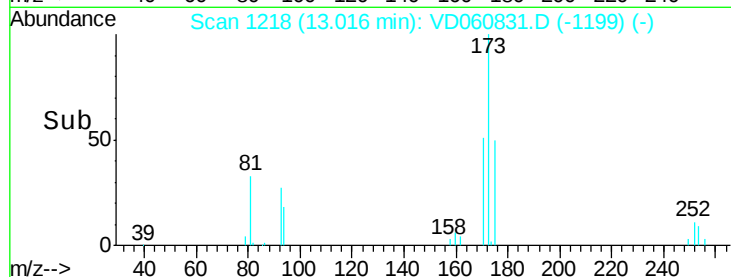
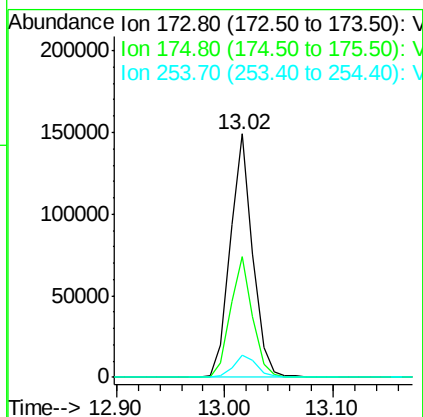
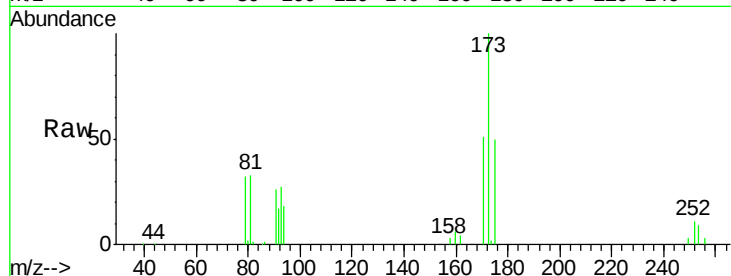
#71
Bromoform
Concen: 64.692 ug/l
RT: 13.02 min Scan# 1218
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.1	72.4
254	8.9	9.1	13.7#

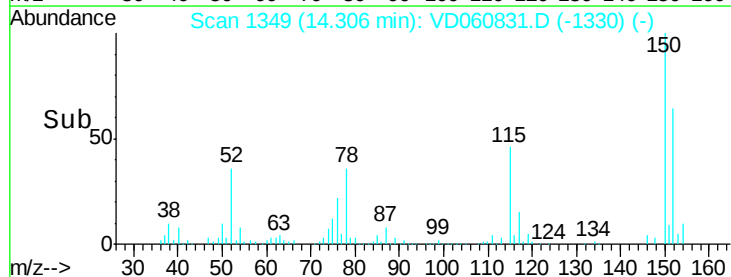
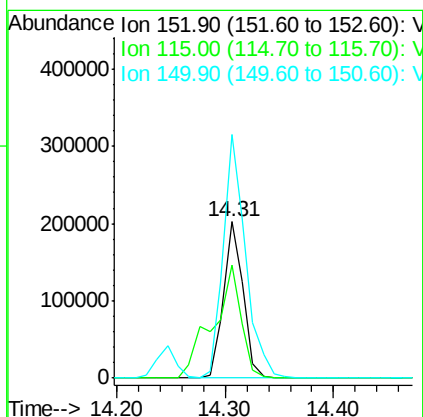
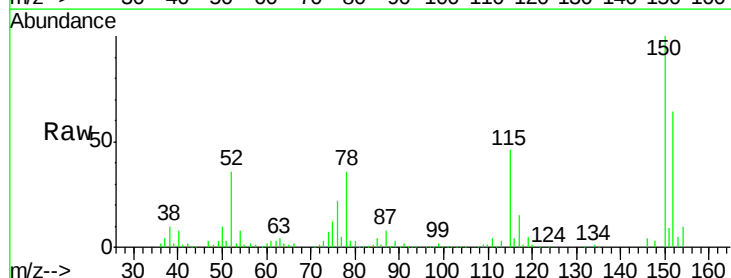
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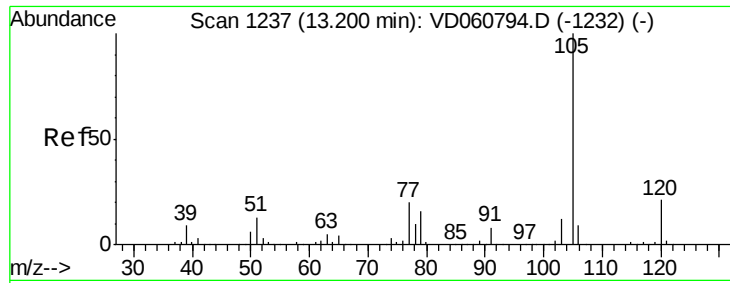
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.31 min Scan# 1349
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	72.1	31.6	95.0
150	156.0	0.0	317.6





#73

Isopropylbenzene

Concen: 52.277 ug/l

RT: 13.18 min Scan# 1235

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1056639

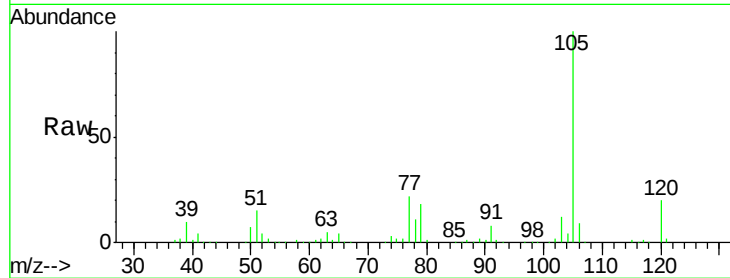
Ion Ratio Lower Upper

105 100

120 20.4 10.7 32.1

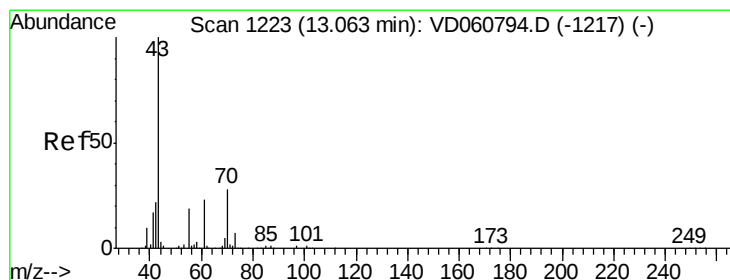
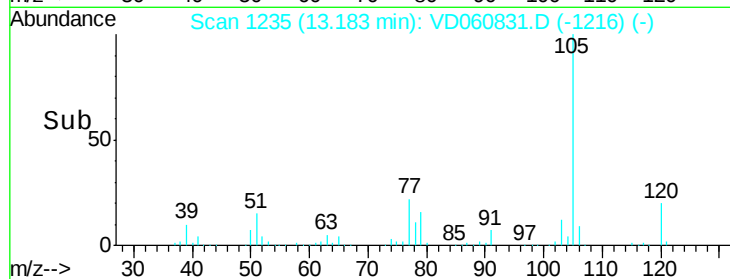
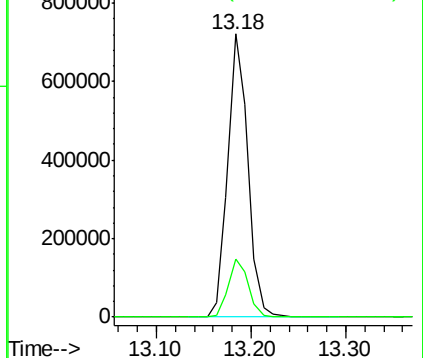
Manual Integrations
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 59.666 ug/l

RT: 13.05 min Scan# 1221

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Tgt Ion: 43 Resp: 370746

Ion Ratio Lower Upper

43 100

70 25.2 22.2 33.4

55 19.9 15.5 23.3

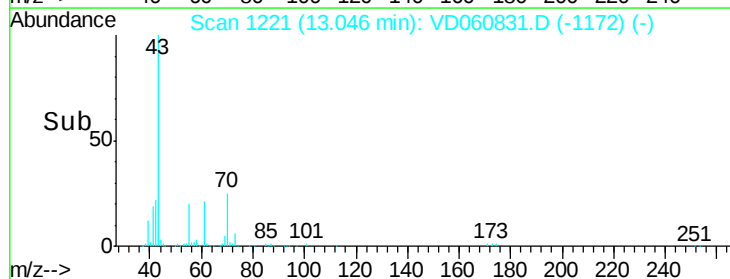
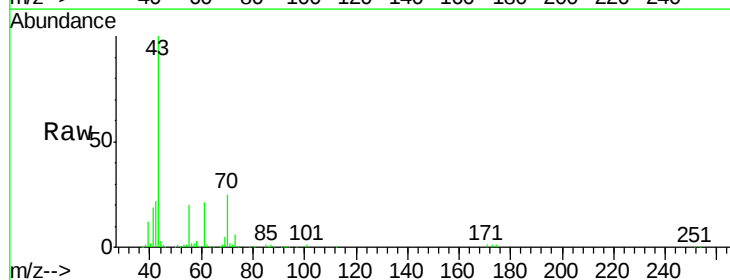
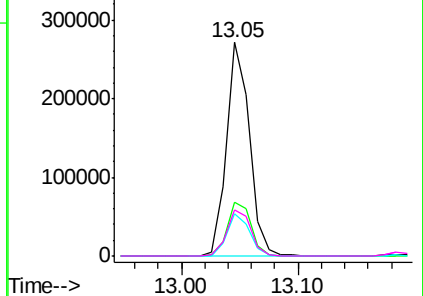
61 21.4 18.4 27.6

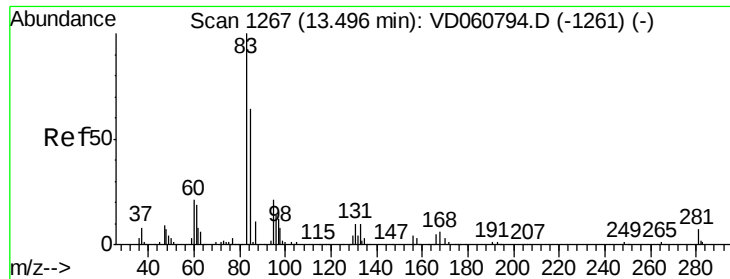
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 56.825 ug/l

RT: 13.49 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

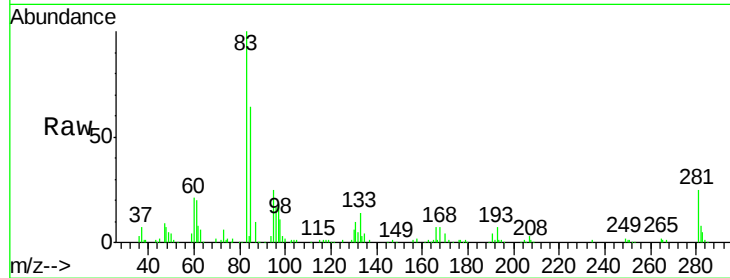
ClientSampleId :

VSTDCCC050EC

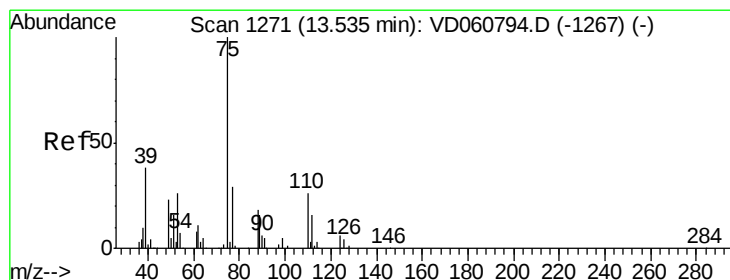
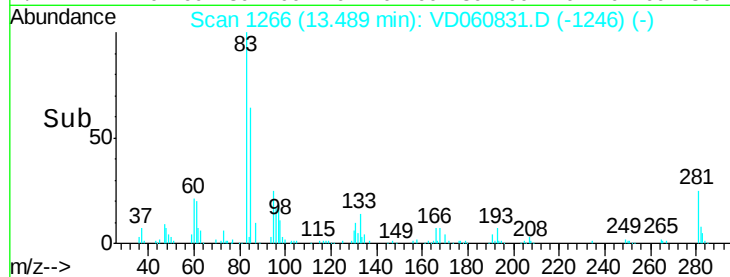
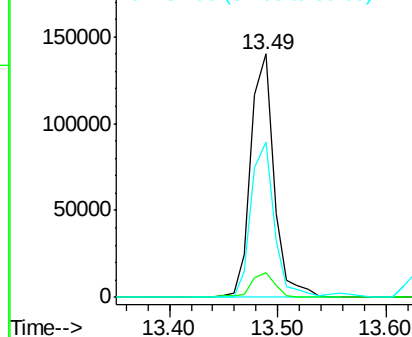
Tot Ion:	83	Resp:	209132
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	63.8	31.8	95.4

Manual Integrations
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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 58.188 ug/l

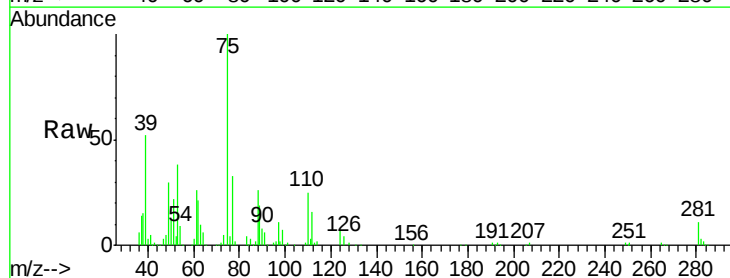
RT: 13.52 min Scan# 1269

Delta R.T. -0.02 min

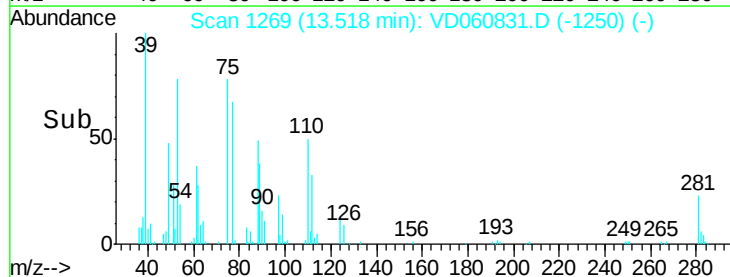
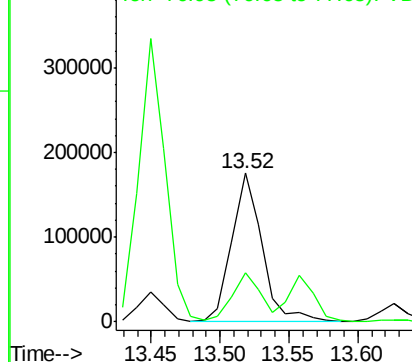
Lab File: VD060831.D

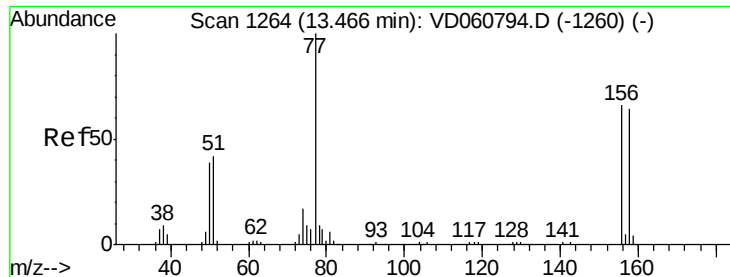
Acq: 1 Feb 2019 20:51

Tgt Ion:	75	Resp:	270498
Ion Ratio	Lower	Upper	
75	100		
77	33.2	15.9	47.7



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.038 ug/l

RT: 13.45 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 265178

Ion Ratio Lower Upper

156 100

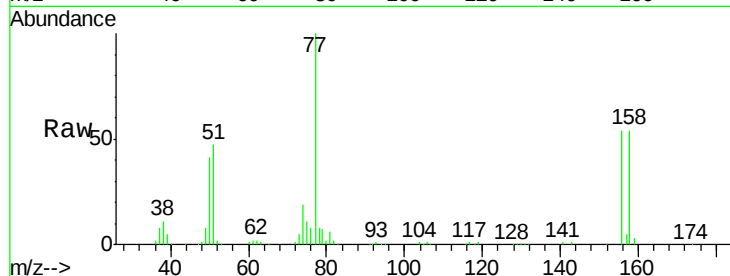
77 185.8 76.0 228.0

158 99.9 48.4 145.0

Manual Integrations
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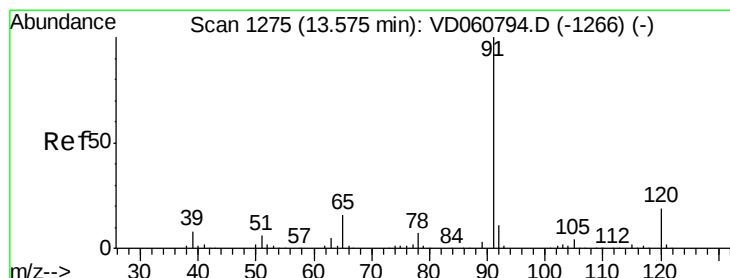
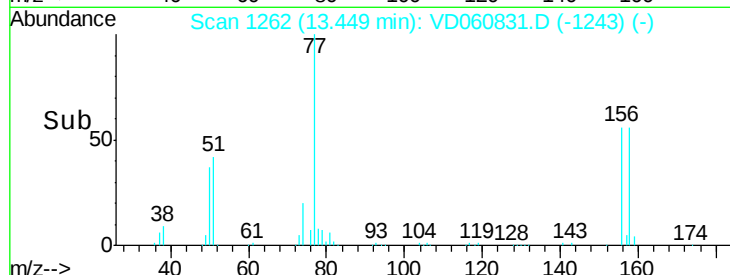
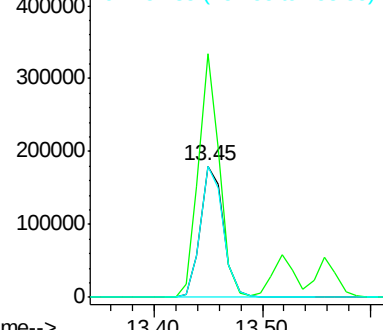
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 56.140 ug/l

RT: 13.56 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VD060831.D

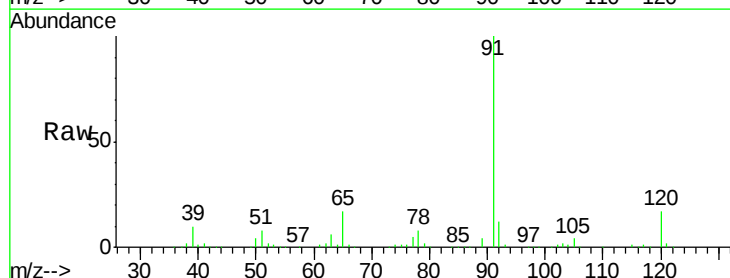
Acq: 1 Feb 2019 20:51

Tgt Ion: 91 Resp: 1424452

Ion Ratio Lower Upper

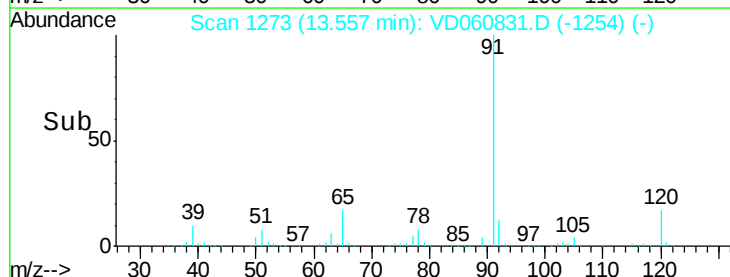
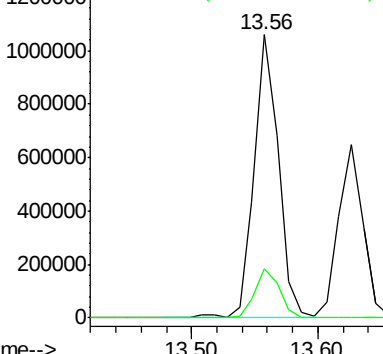
91 100

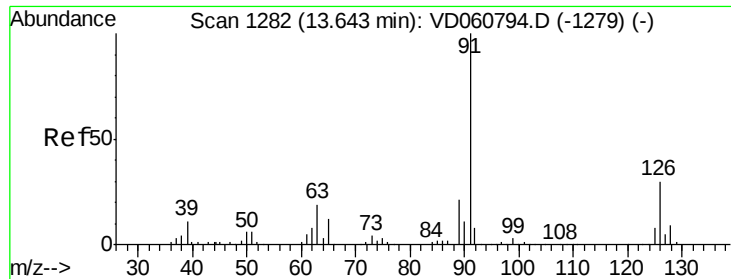
120 17.4 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 56.838 ug/l

RT: 13.63 min Scan# 1280

Delta R.T. -0.02 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 879637

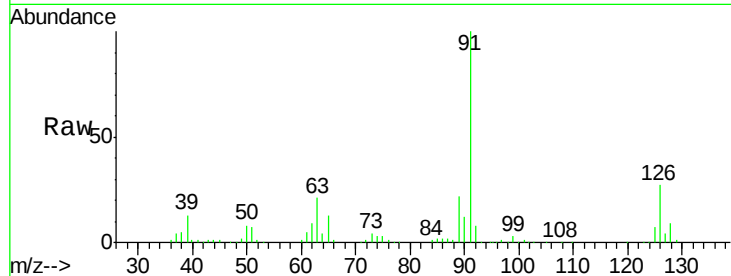
Ion Ratio Lower Upper

91 100

126 27.3 14.7 44.1

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Abundance Ion 91.00 (90.70 to 91.70): VD060831.D (-1261) (-)

Ion 125.95 (125.65 to 126.65): VD060831.D (-1261) (-)

1200000

1000000

800000

600000

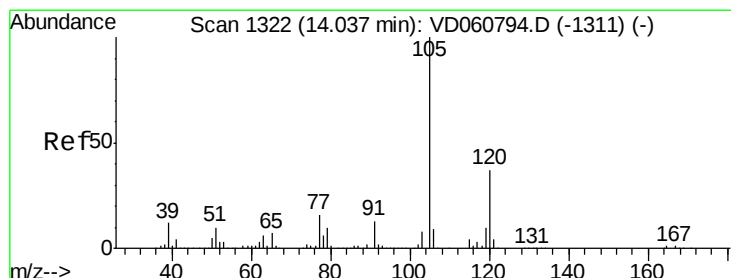
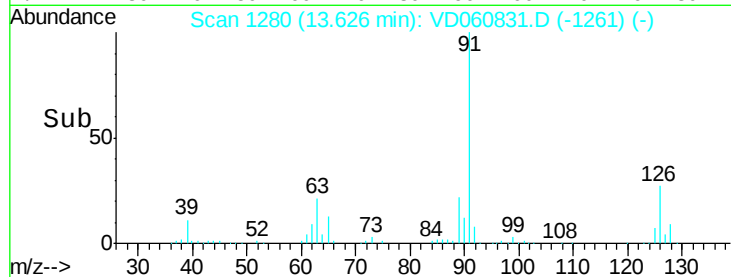
400000

200000

0

13.60 13.63 13.65 13.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 57.704 ug/l

RT: 14.03 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VD060831.D

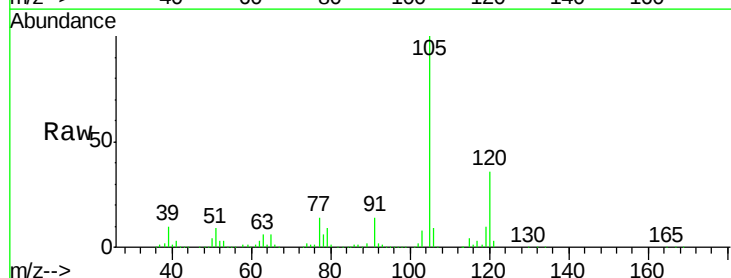
Acq: 1 Feb 2019 20:51

Tgt Ion:105 Resp: 1004069

Ion Ratio Lower Upper

105 100

120 35.8 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): VD060831.D (-1301) (-)

Ion 120.05 (119.75 to 120.75): VD060831.D (-1301) (-)

1000000

800000

600000

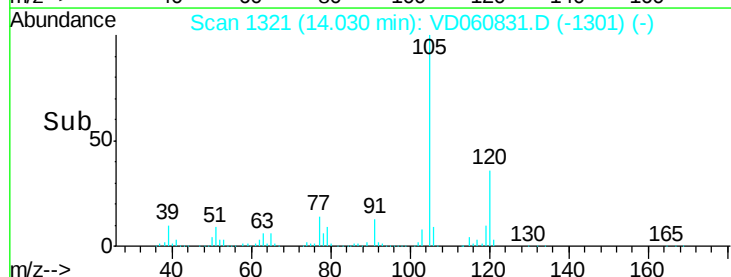
400000

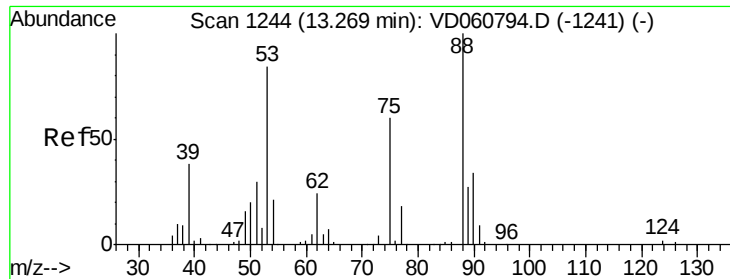
200000

0

13.90 14.00 14.10

Time-->





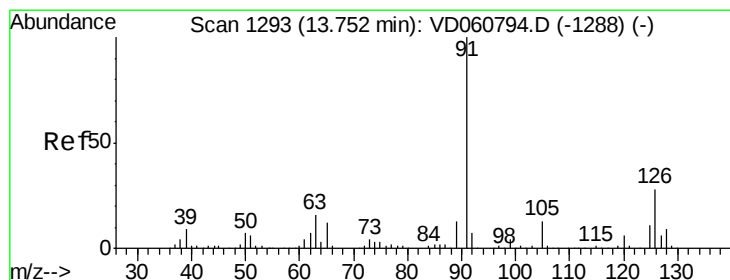
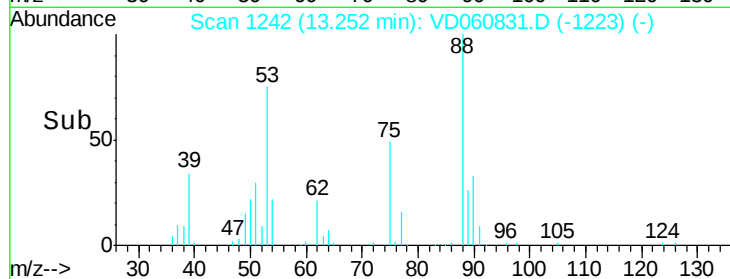
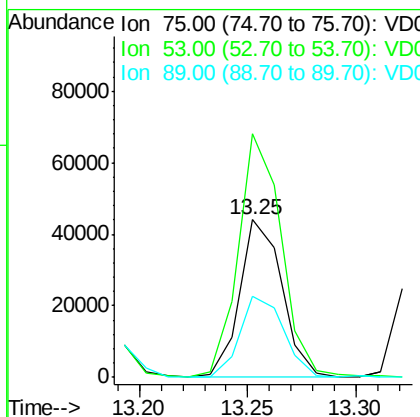
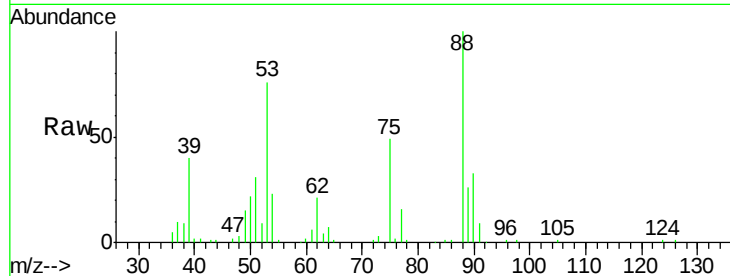
#81
trans-1,4-Dichloro-2-butene
Concen: 50.098 ug/l
RT: 13.25 min Scan# 1242
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	154.7	111.6	167.4
89	51.7	35.9	53.9

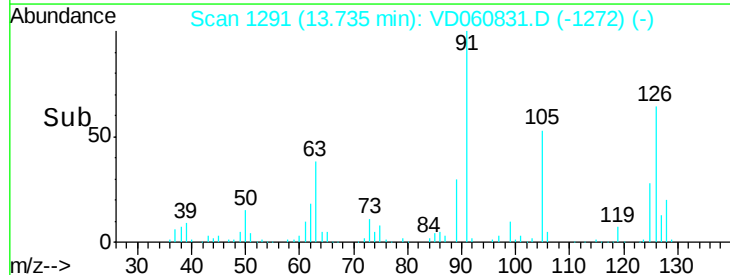
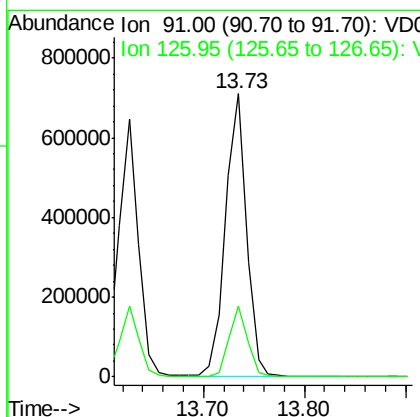
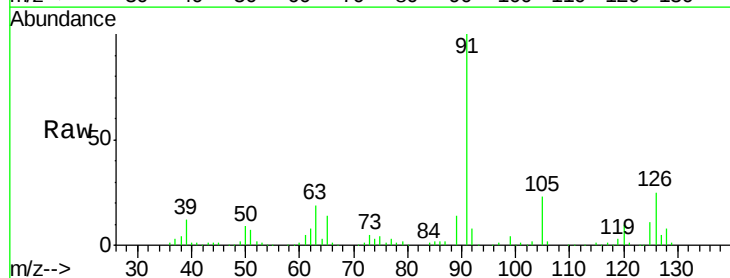
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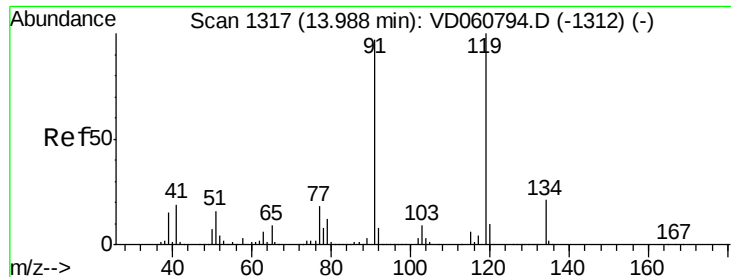
MMDadoda
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#82
4-Chlorotoluene
Concen: 59.722 ug/l
RT: 13.73 min Scan# 1291
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	24.8	13.9	41.7





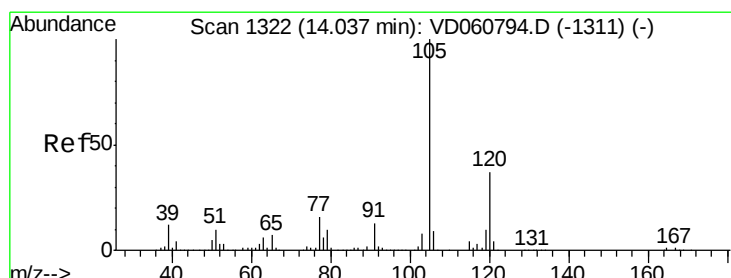
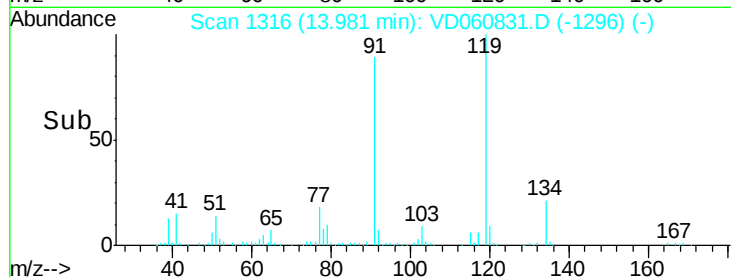
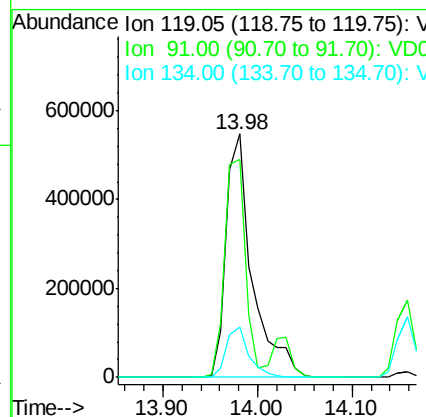
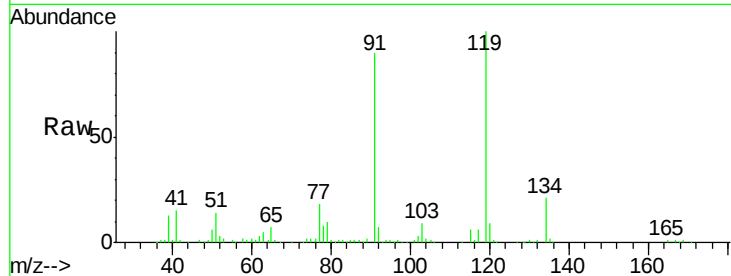
#83
tert-Butylbenzene
Concen: 57.492 ug/l
RT: 13.98 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1046639
Ion Ratio Lower Upper
119 100
91 89.6 48.5 145.5
134 20.9 10.3 30.8

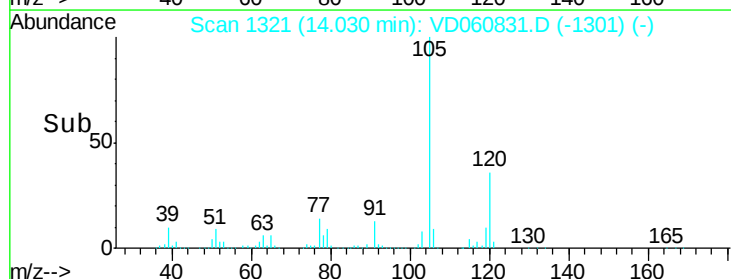
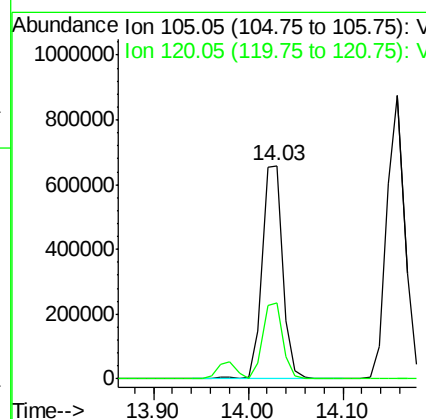
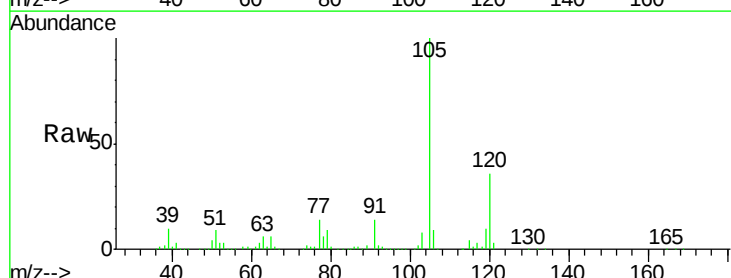
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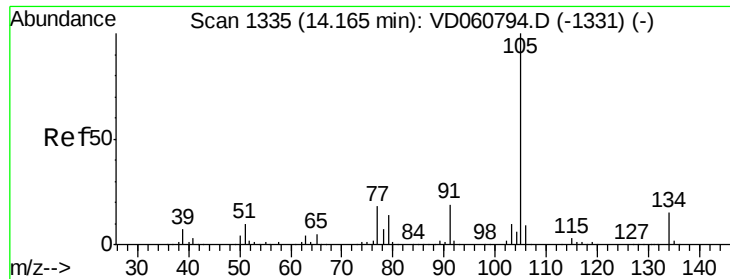
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 57.704 ug/l
RT: 14.03 min Scan# 1321
Delta R.T. -0.01 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion:105 Resp: 1004069
Ion Ratio Lower Upper
105 100
120 35.8 18.4 55.2





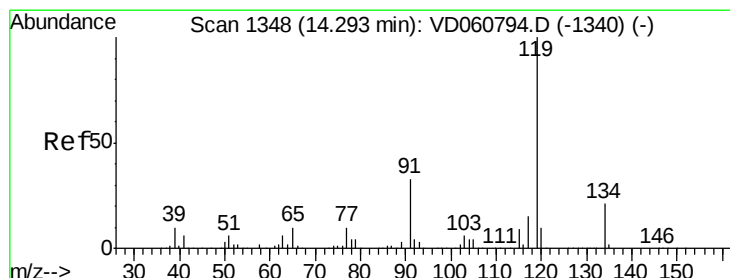
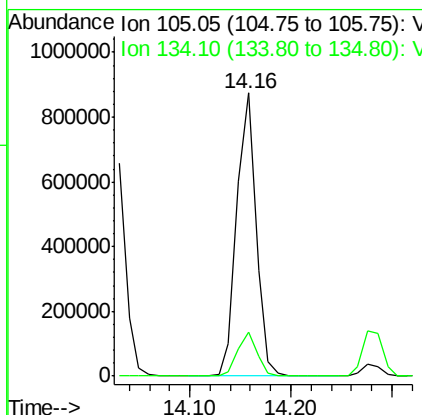
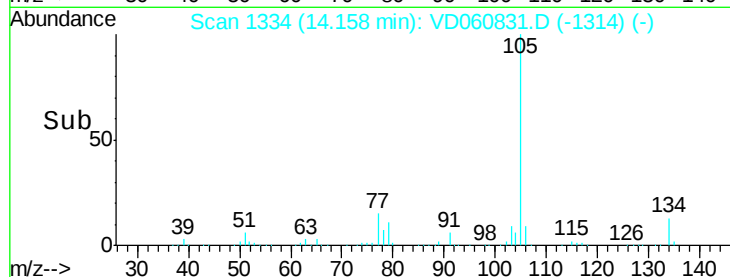
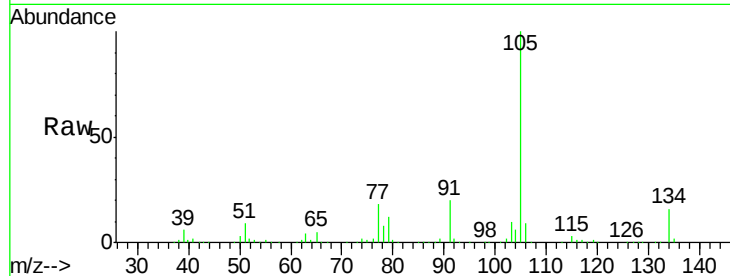
#85
 sec-Butylbenzene
 Concen: 55.916 ug/l
 RT: 14.16 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1158750
 Ion Ratio Lower Upper
 105 100
 134 15.6 7.4 22.2

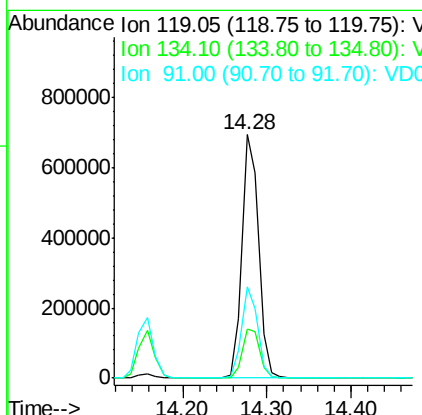
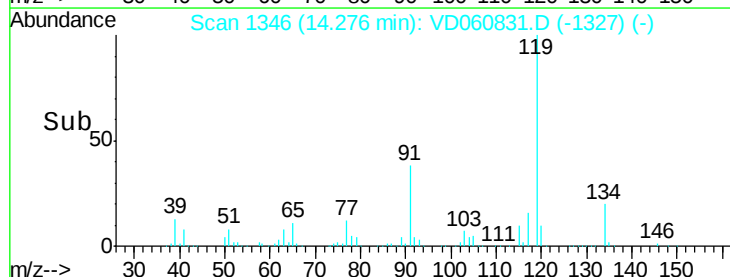
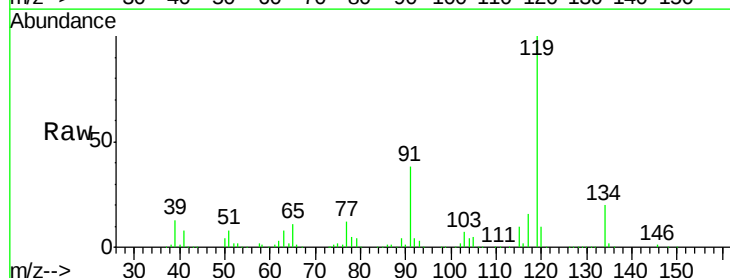
Manual Integrations
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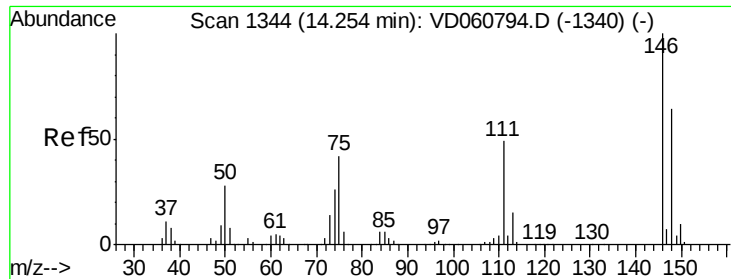
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#86
 p-Isopropyltoluene
 Concen: 56.755 ug/l
 RT: 14.28 min Scan# 1346
 Delta R.T. -0.02 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion:119 Resp: 954889
 Ion Ratio Lower Upper
 119 100
 134 20.4 10.8 32.3
 91 37.6 16.7 50.0





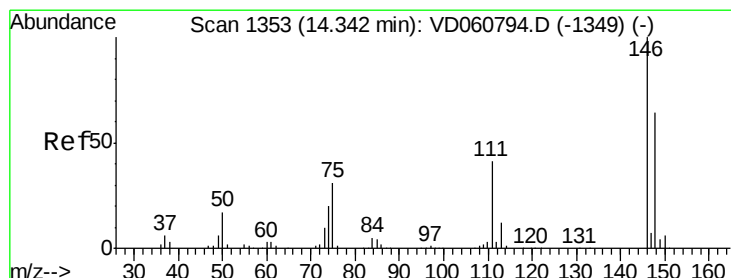
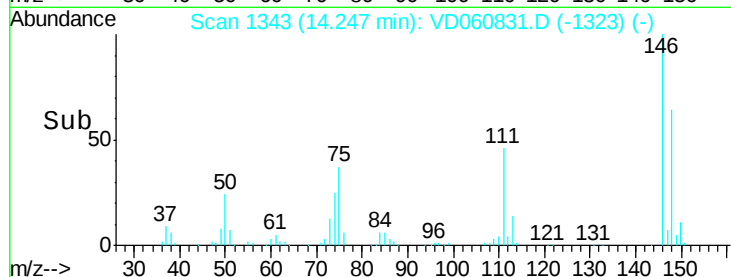
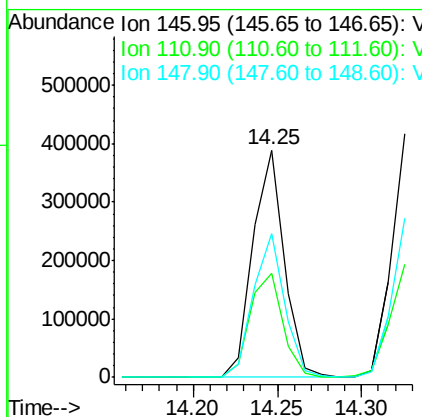
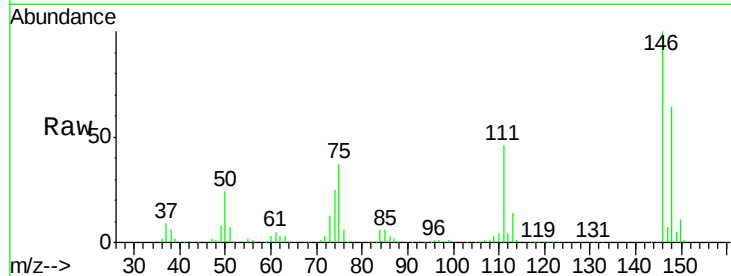
#87
 1,3-Dichlorobenzene
 Concen: 54.041 ug/l
 RT: 14.25 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.9	24.3	73.0
148	63.6	32.1	96.5

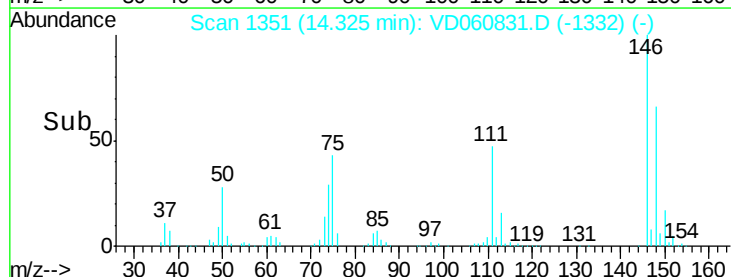
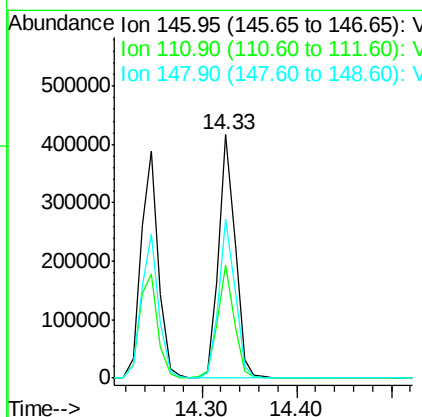
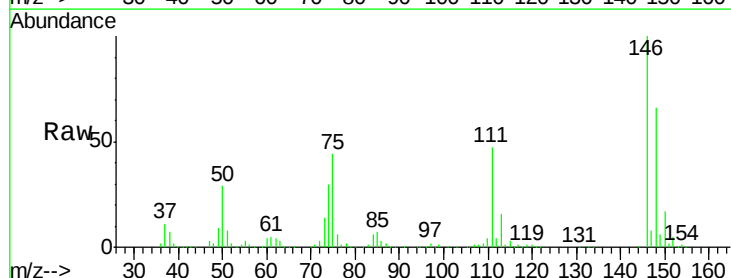
Manual Integrations
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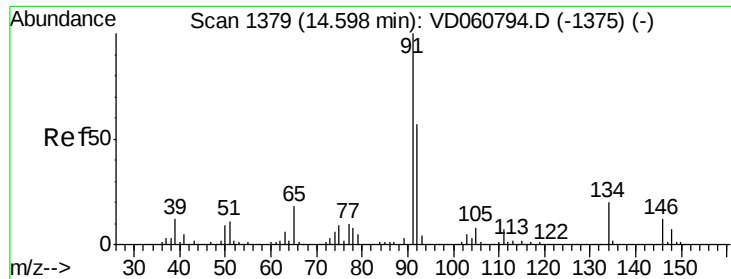
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 2/4/2019 4:43:12 PM



#88
 1,4-Dichlorobenzene
 Concen: 55.985 ug/l
 RT: 14.33 min Scan# 1351
 Delta R.T. -0.02 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.7	20.6	61.8
148	65.6	31.9	95.7





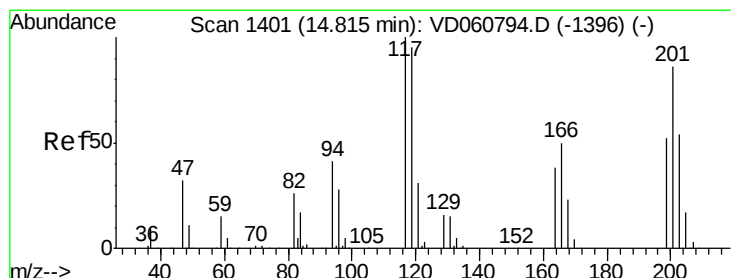
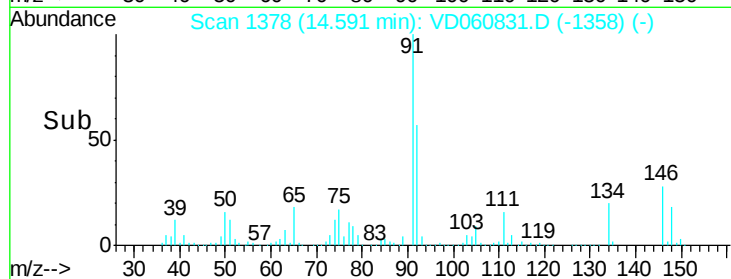
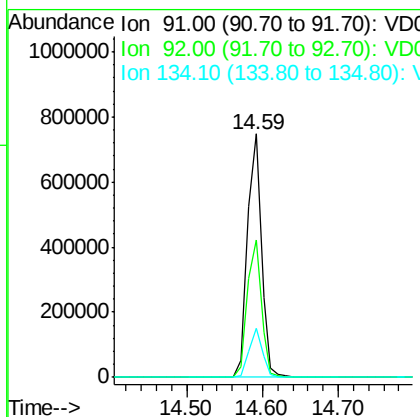
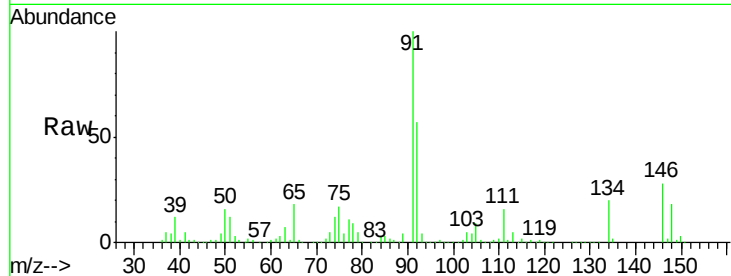
#89
n-Butylbenzene
Concen: 54.401 ug/l
RT: 14.59 min Scan# 1378
Delta R.T. -0.01 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		954962		
92	56.7	28.5	85.5		
134	20.4	10.0	29.8		

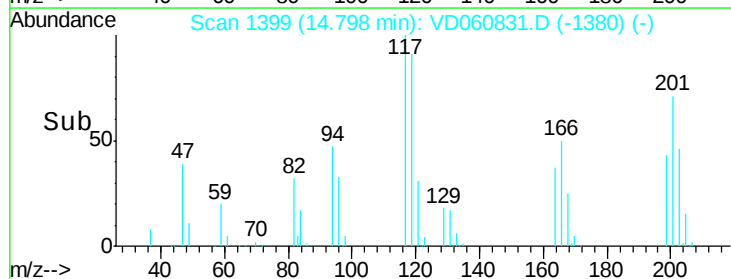
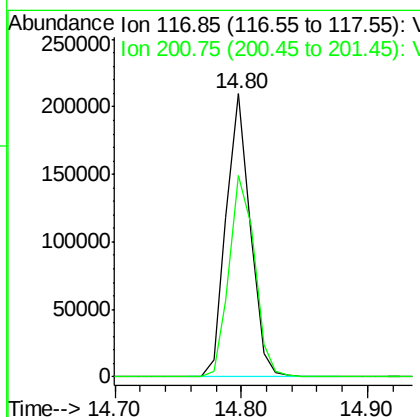
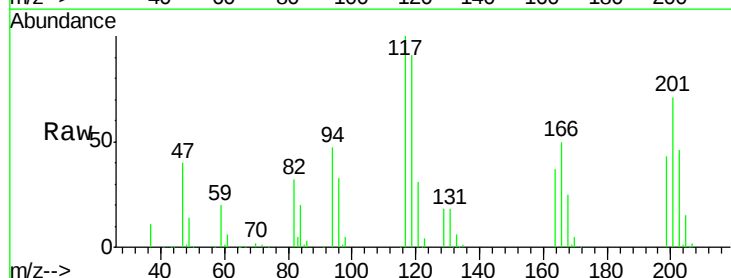
Manual Integrations
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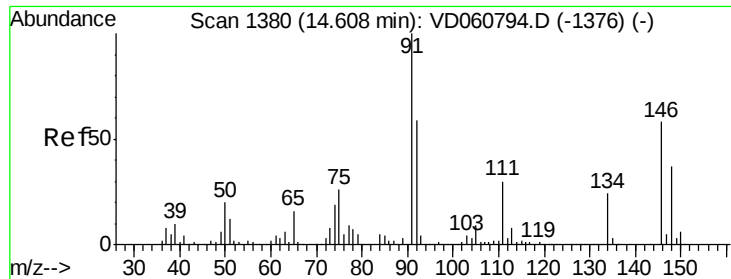
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2/4/2019 4:43:12 PM



#90
Hexachloroethane
Concen: 55.197 ug/l
RT: 14.80 min Scan# 1399
Delta R.T. -0.02 min
Lab File: VD060831.D
Acq: 1 Feb 2019 20:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		276355		
201	71.3	43.0	128.8		





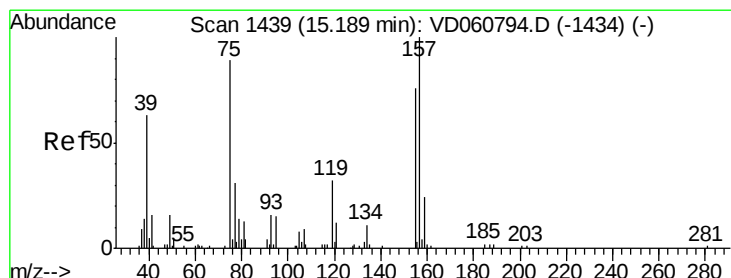
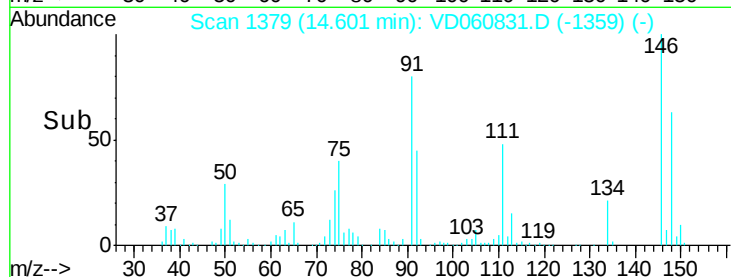
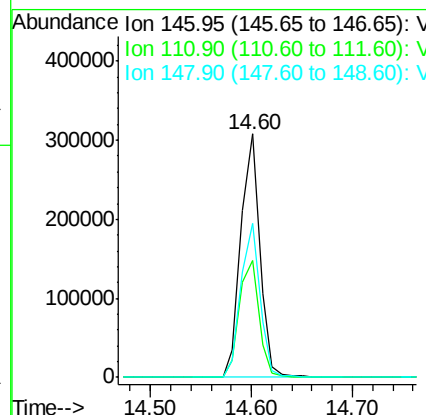
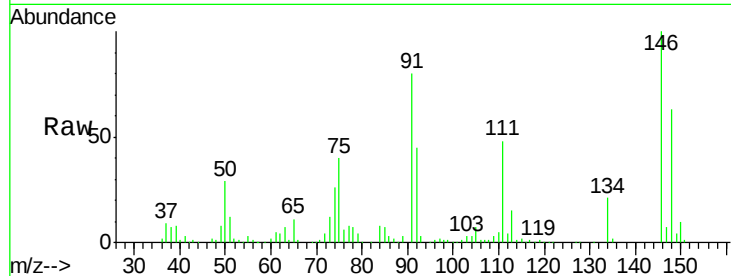
#91
 1,2-Dichlorobenzene
 Concen: 52.427 ug/l
 RT: 14.60 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.9	25.6	76.8
148	63.2	31.4	94.3

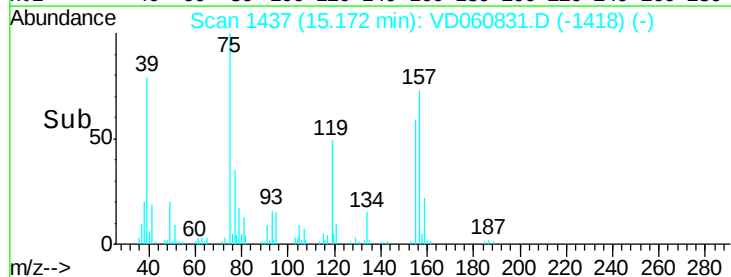
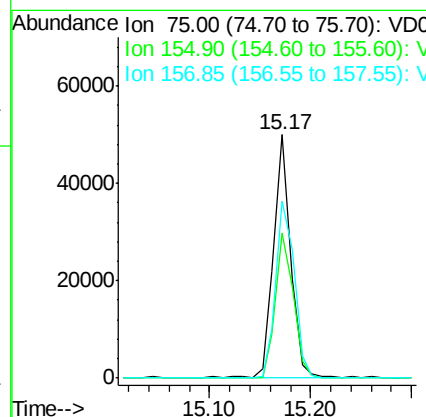
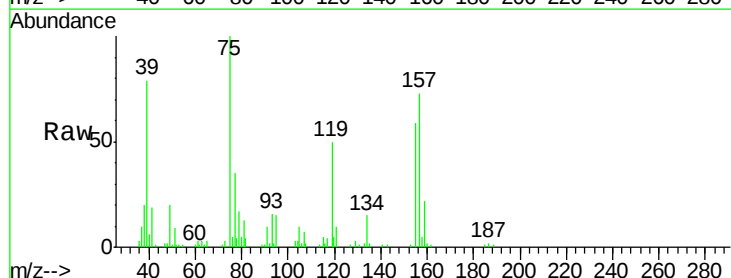
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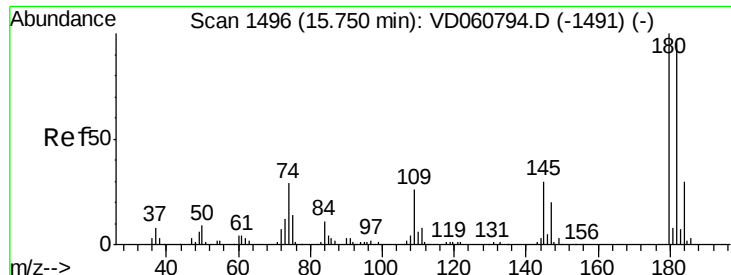
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 67.315 ug/l
 RT: 15.17 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	59.4	43.0	129.0
157	72.7	56.3	168.9





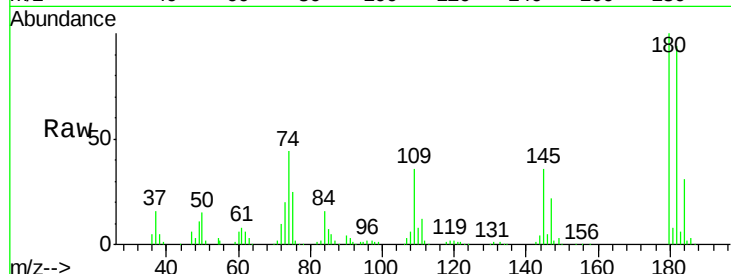
#93
 1,2,4-Trichlorobenzene
 Concen: 55.281 ug/l
 RT: 15.73 min Scan# 1494
 Delta R.T. -0.02 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

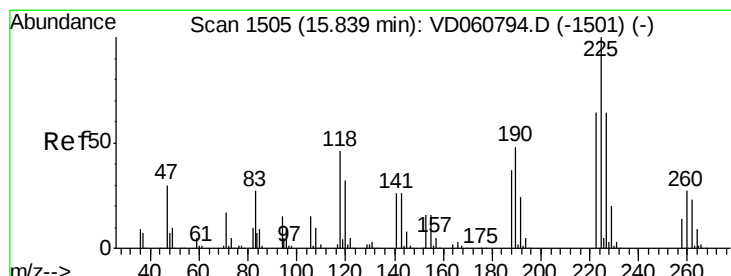
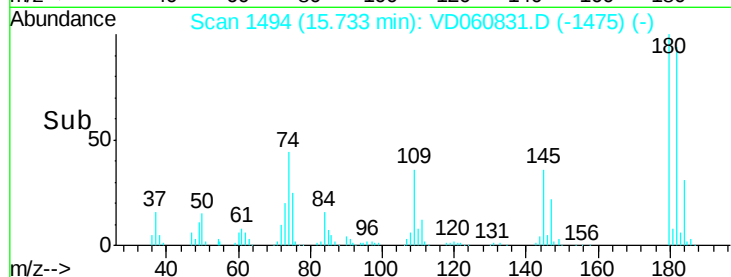
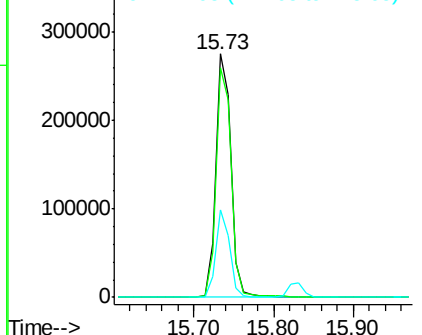
Tot Ion	Ratio	Resp	Lower	Upper
180	100	369226		
182	94.1	47.9	143.7	
145	36.0	15.0	45.1	

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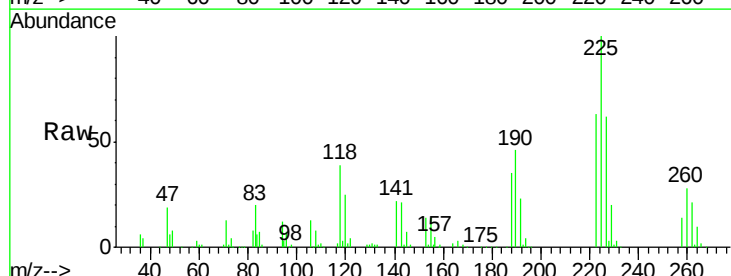


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

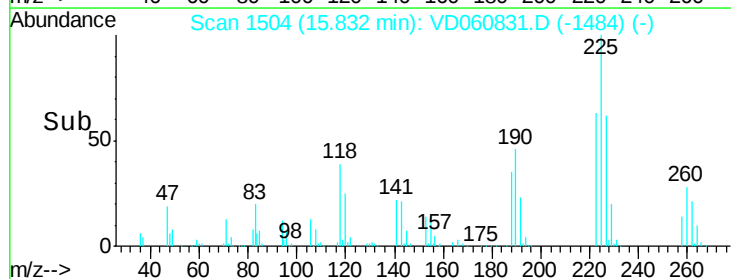
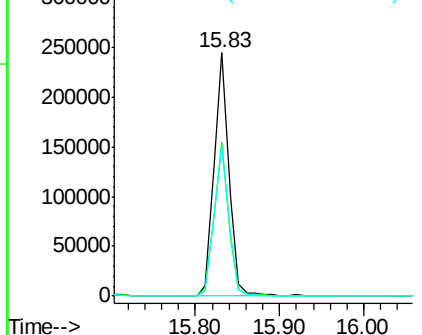


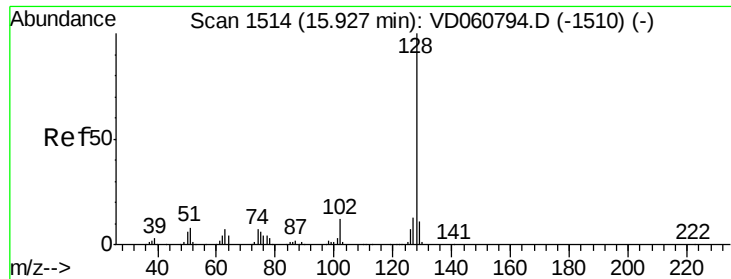
#94
 Hexachlorobutadiene
 Concen: 59.990 ug/l
 RT: 15.83 min Scan# 1504
 Delta R.T. -0.01 min
 Lab File: VD060831.D
 Acq: 1 Feb 2019 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	300634		
223	63.3	31.8	95.4	
227	61.7	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: 56.640 ug/l

RT: 15.92 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Instrument :

MSVOA_D

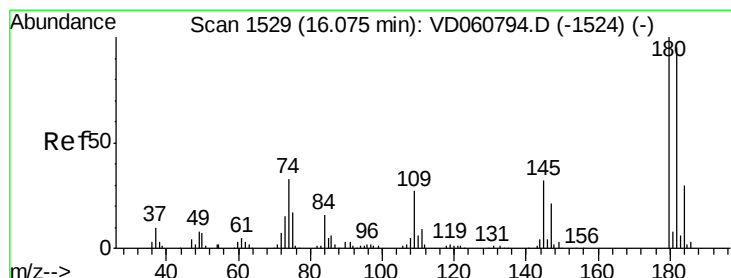
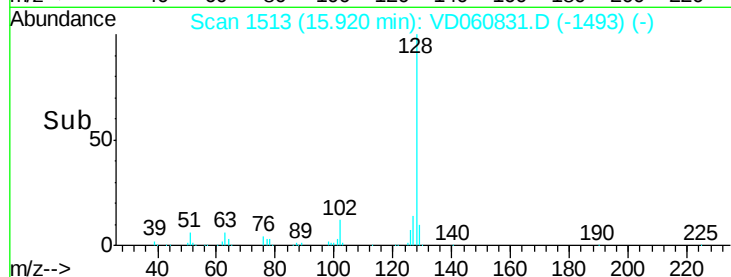
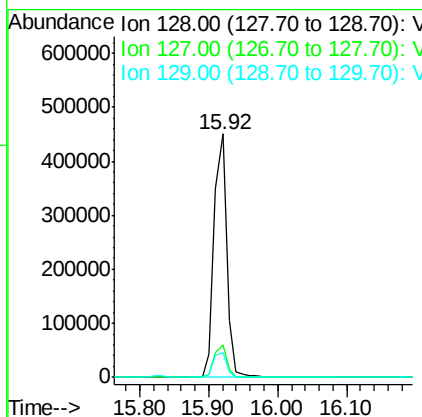
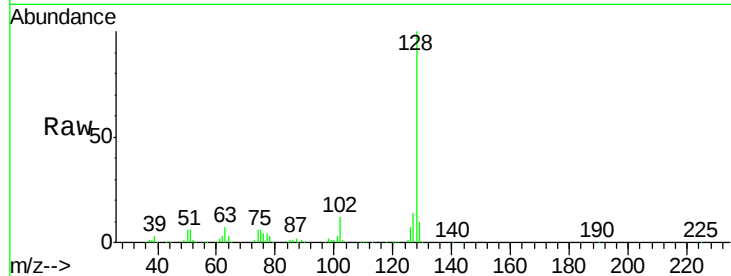
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	581249
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.4	15.6
129	10.0	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 55.230 ug/l

RT: 16.07 min Scan# 1528

Delta R.T. -0.01 min

Lab File: VD060831.D

Acq: 1 Feb 2019 20:51

Tgt Ion:	180	Resp:	320769
Ion Ratio	Lower	Upper	
180	100		
182	98.0	47.4	142.3
145	32.7	15.8	47.4

