

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062773.D
 Acq On : 19 Jun 2019 4:39
 Operator : VA/AP
 Sample : K3157-05
 Misc : 6.65a/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 07:05:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	652581	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	970012	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	597635	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	257209	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	440437	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	
35) Dibromofluoromethane	6.93	113	408824	39.96	ug/l	0.02
Spiked Amount			Recovery	=	79.92%	
50) Toluene-d8	10.42	98	625378	29.06	ug/l	0.00
Spiked Amount			Recovery	=	58.12%	
62) 4-Bromofluorobenzene	13.56	95	291519	29.04	ug/l	0.00
Spiked Amount			Recovery	=	58.08%	

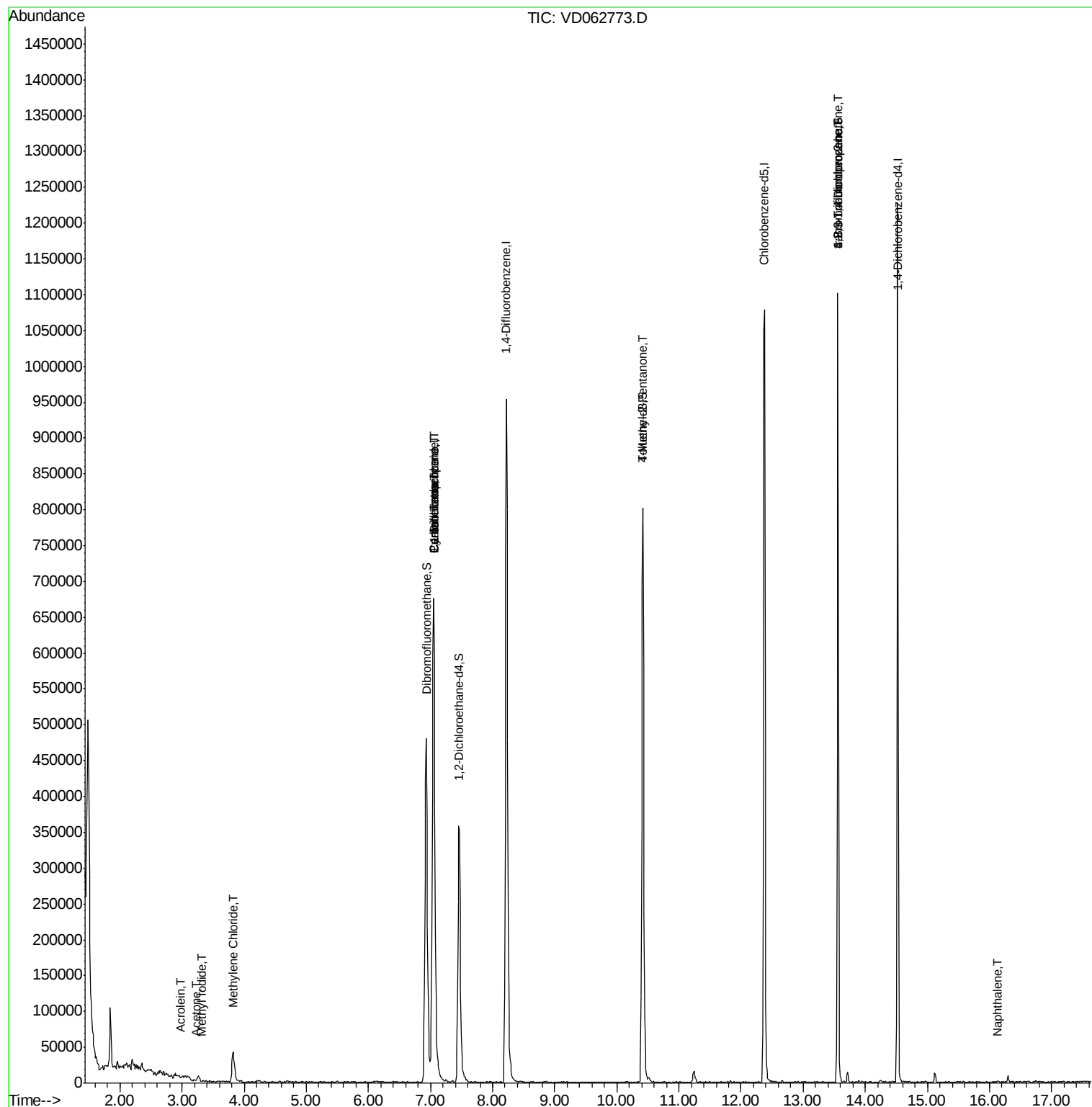
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	1268	Below Cal	#	42
10) Methyl Iodide	3.32	142	479	4.047	ug/l #	24
13) Acrolein	2.98	56	250	2.008	ug/l #	12
16) Acetone	3.22	43	2716	1.575	ug/l #	66
20) Methylene Chloride	3.81	84	28371	3.948	ug/l #	93
31) Cyclohexane	7.05	56	15245	2.051	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	51603	4.648	ug/l #	56
38) Carbon Tetrachloride	7.05	117	68562	3.907	ug/l #	16
51) 4-Methyl-2-Pentanone	10.41	43	4192	1.023	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	106622	30.573	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	138703	127.559	ug/l #	1
95) Naphthalene	16.13	128	1607	3.610	ug/l #	48

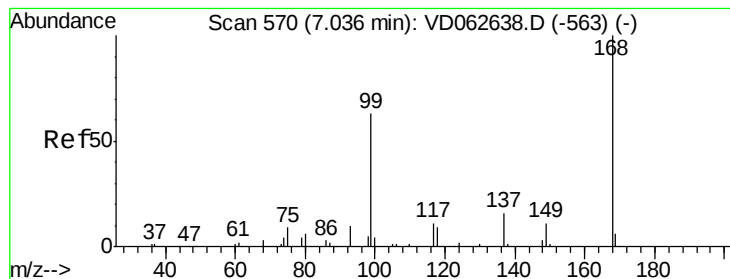
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062773.D

Acq: 19 Jun 2019 4:39

Instrument :

MSVOA_D

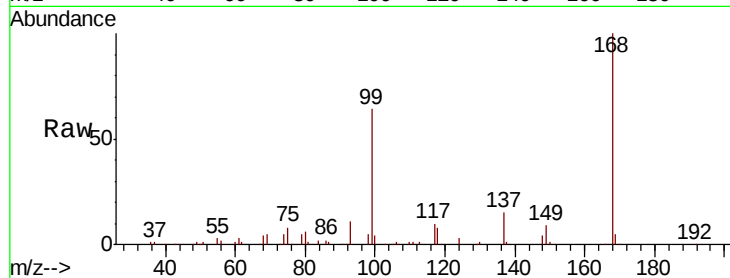
ClientSampleId :

Tot Ion:168 Resp: 652581

Ion Ratio Lower Upper

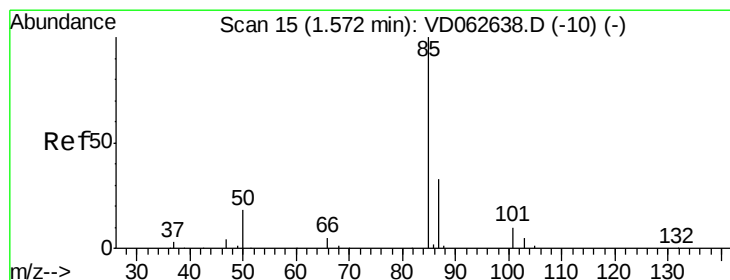
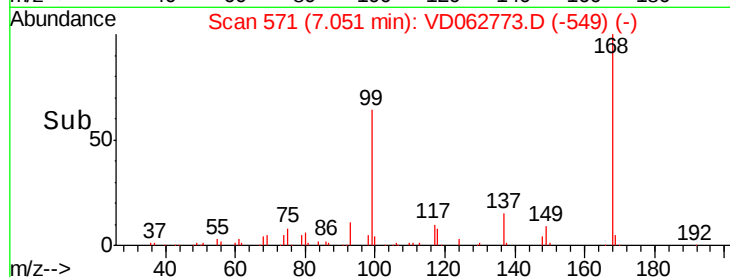
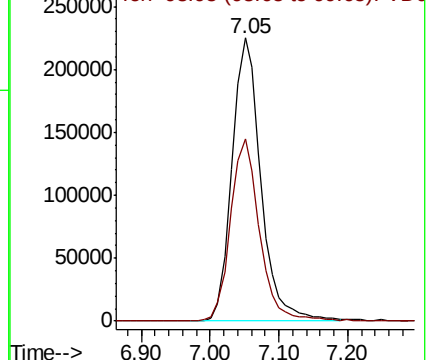
168 100

99 64.5 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD062773.D

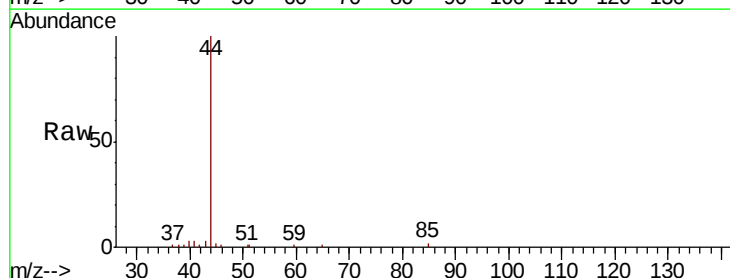
Acq: 19 Jun 2019 4:39

Tgt Ion: 85 Resp: 1268

Ion Ratio Lower Upper

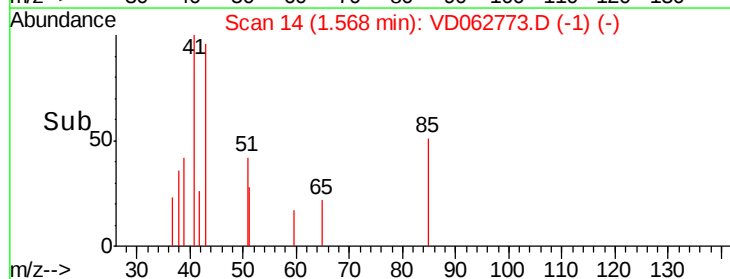
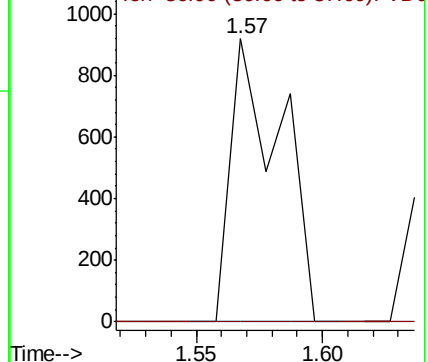
85 100

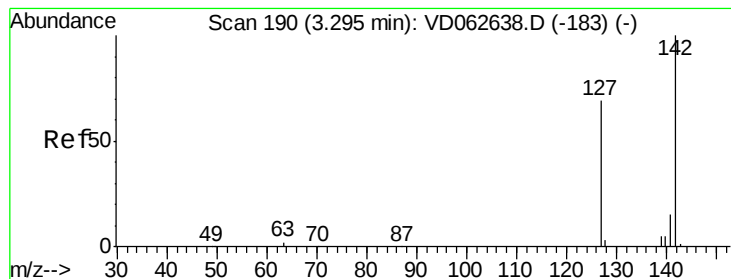
87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

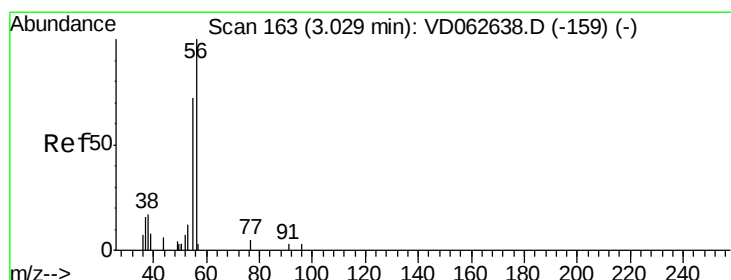
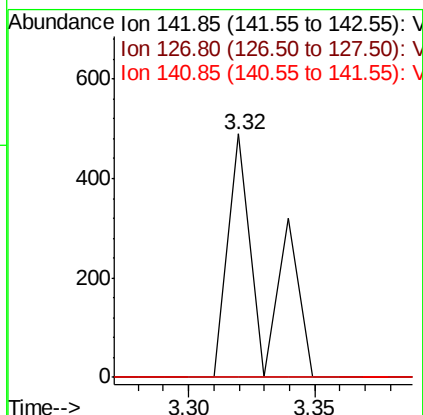
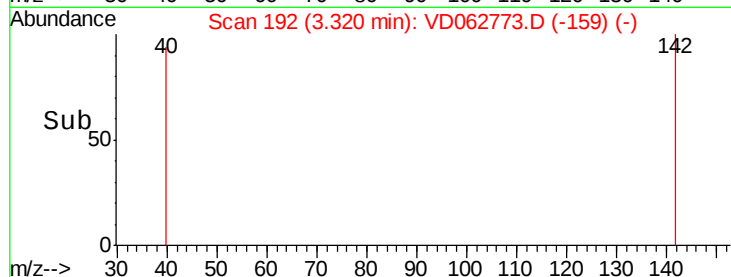
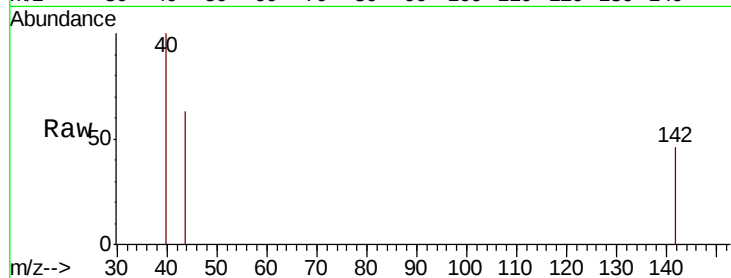




#10
Methvl Iodide
Concen: 4.047 ug/l
RT: 3.32 min Scan# 192
Delta R.T. 0.03 min
Lab File: VD062773.D
Acq: 19 Jun 2019 4:39

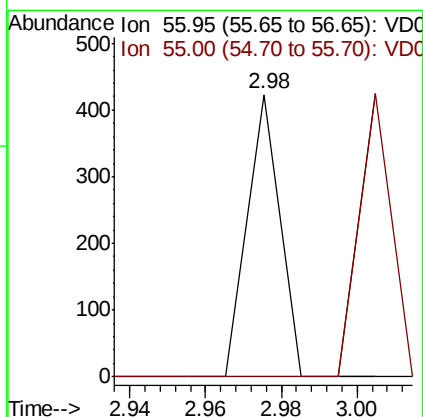
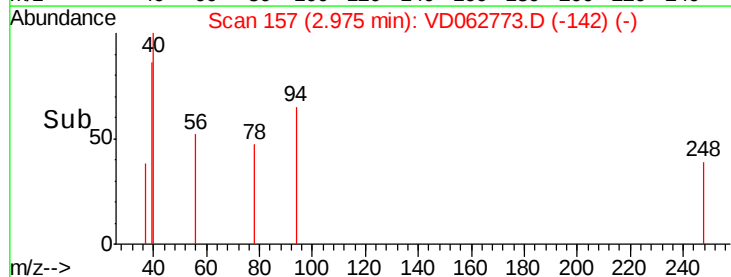
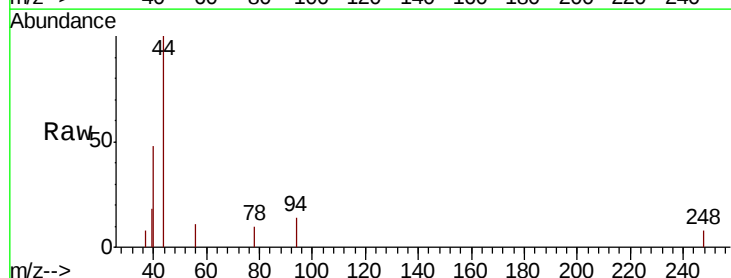
Instrument :
MSVOA_D
ClientSampleId :

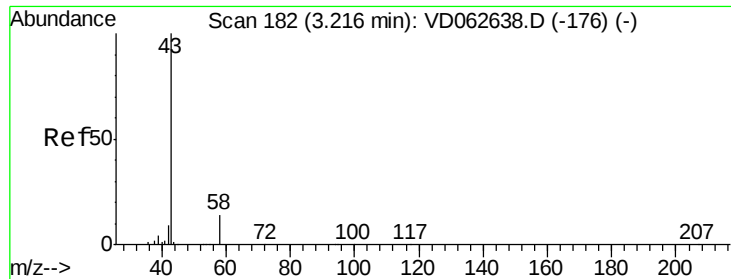
Tot Ion:142 Resp: 479
Ion Ratio Lower Upper
142 100
127 0.0 55.2 82.8#
141 0.0 12.1 18.1#



#13
Acrolein
Concen: 2.008 ug/l
RT: 2.98 min Scan# 157
Delta R.T. -0.05 min
Lab File: VD062773.D
Acq: 19 Jun 2019 4:39

Tgt Ion: 56 Resp: 250
Ion Ratio Lower Upper
56 100
55 0.0 59.4 89.0#

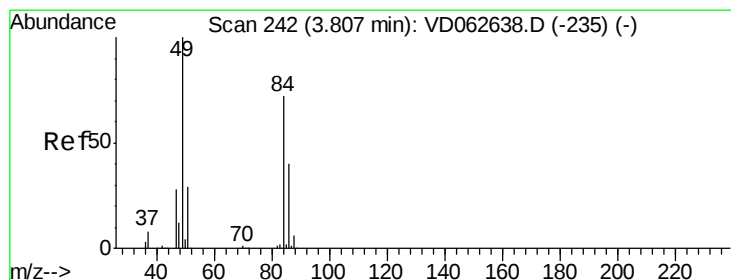
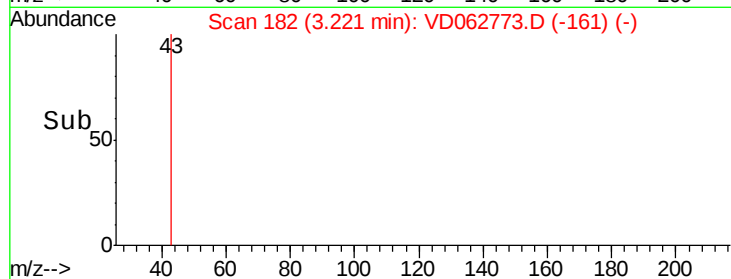
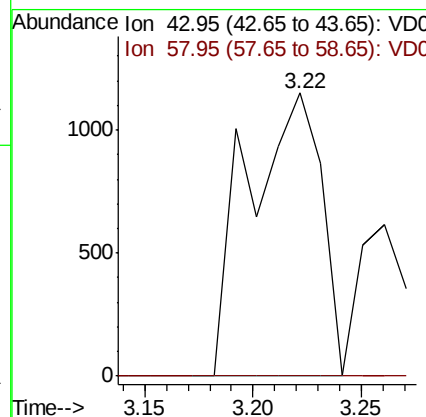
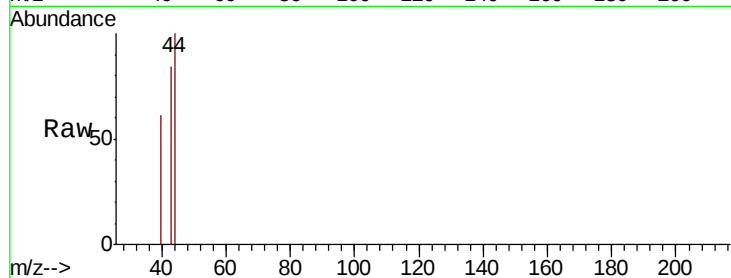




#16
Acetone
Concen: 1.575 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.01 min
Lab File: VD062773.D
Acq: 19 Jun 2019 4:39

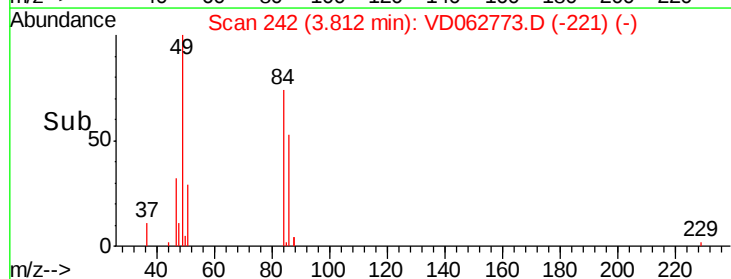
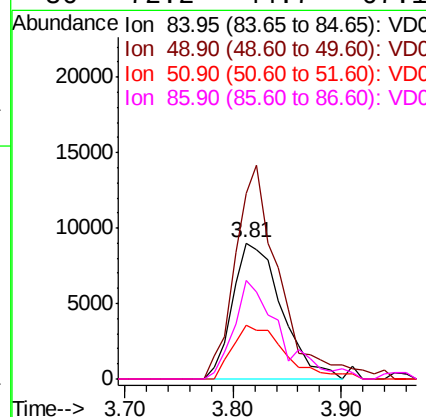
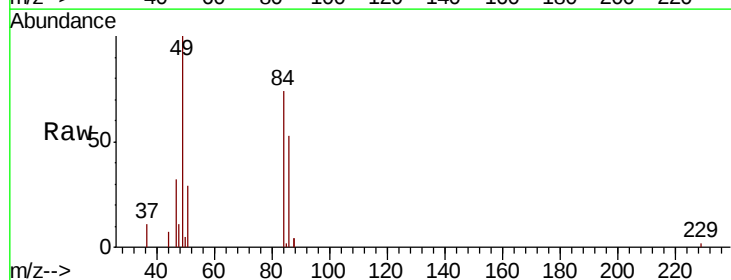
Instrument :
MSVOA_D
ClientSampleId :

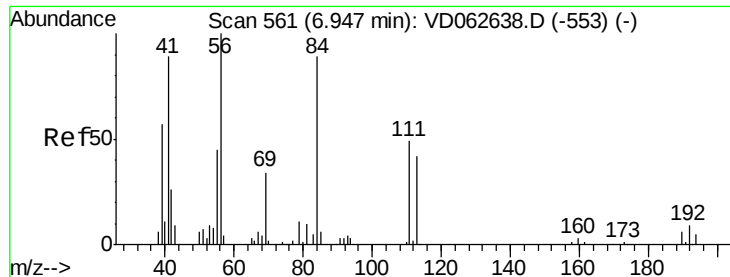
Tot Ion: 43 Resp: 2716
Ion Ratio Lower Upper
43 100
58 0.0 10.8 16.2#



#20
Methylene Chloride
Concen: 3.948 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062773.D
Acq: 19 Jun 2019 4:39

Tgt Ion: 84 Resp: 28371
Ion Ratio Lower Upper
84 100
49 136.0 111.2 166.8
51 39.3 31.9 47.9
86 72.2 44.7 67.1#

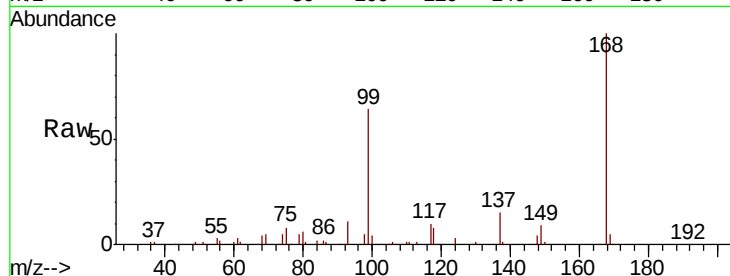




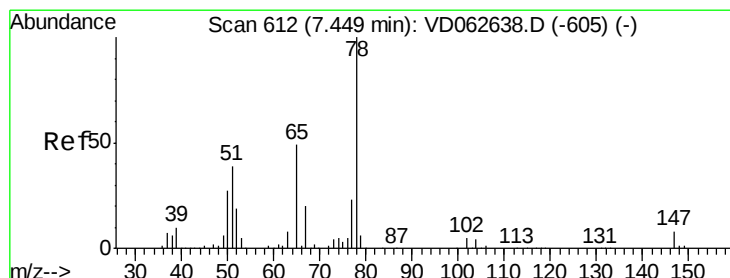
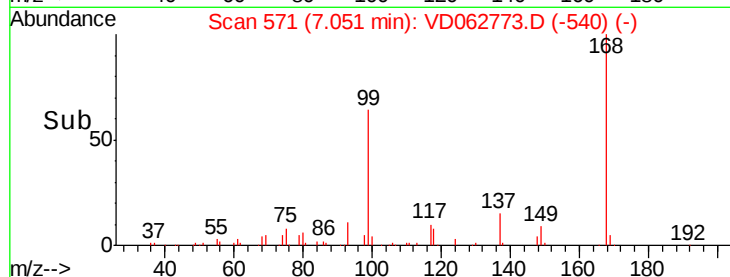
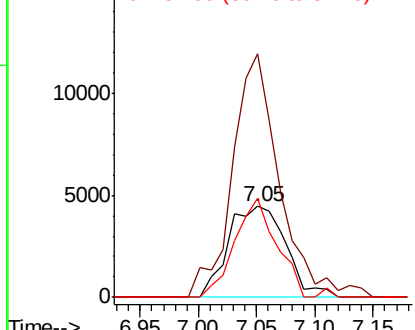
#31
Cyclohexane
Concen: 2.051 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.10 min
Lab File: VD062773.D
Acq: 19 Jun 2019 4:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 15245
Ion Ratio Lower Upper
56 100
69 268.0 26.8 40.2#
84 109.2 73.9 110.9

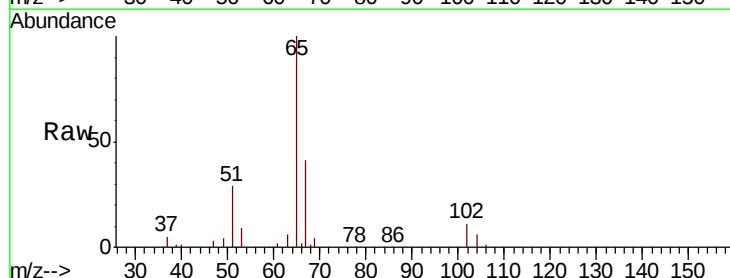


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

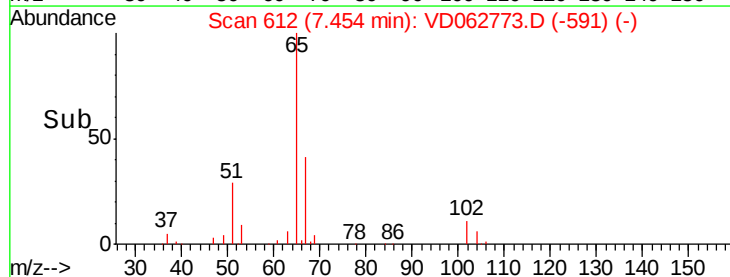
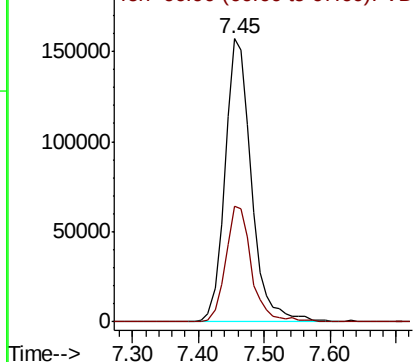


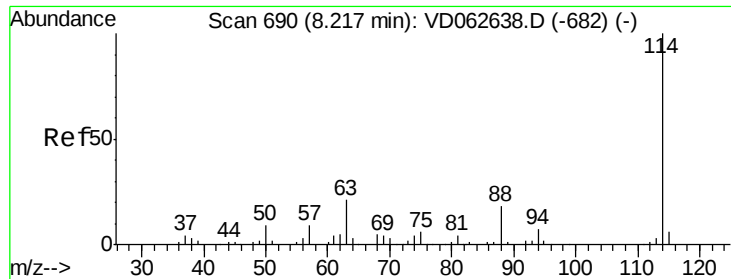
#33
1,2-Dichloroethane-d4
Concen: 46.772 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD062773.D
Acq: 19 Jun 2019 4:39

Tgt Ion: 65 Resp: 440437
Ion Ratio Lower Upper
65 100
67 41.0 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

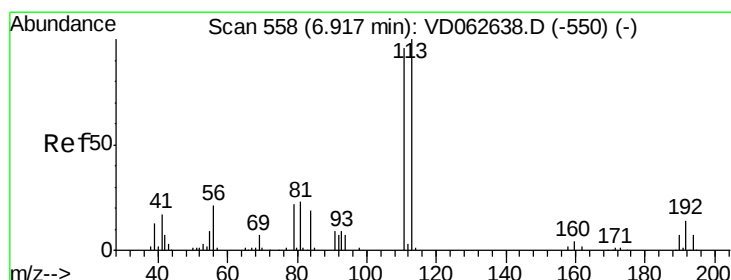
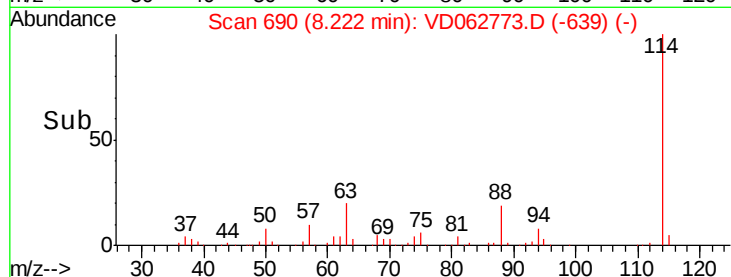
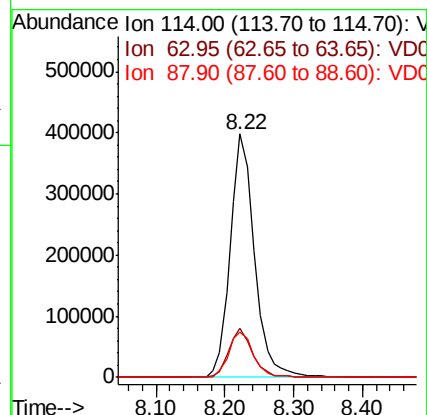
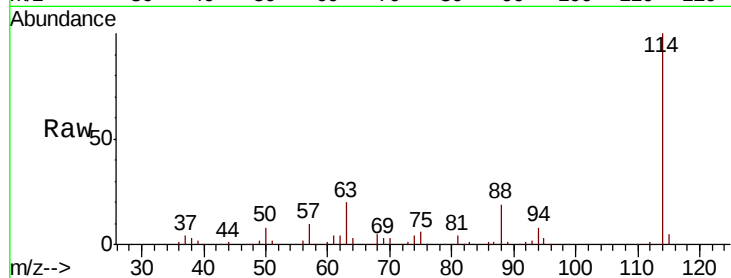




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD062773.D
 Acq: 19 Jun 2019 4:39

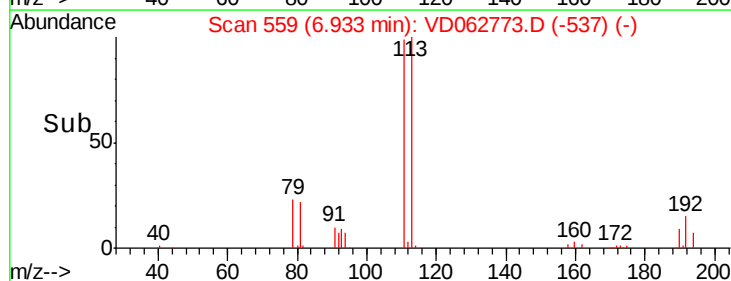
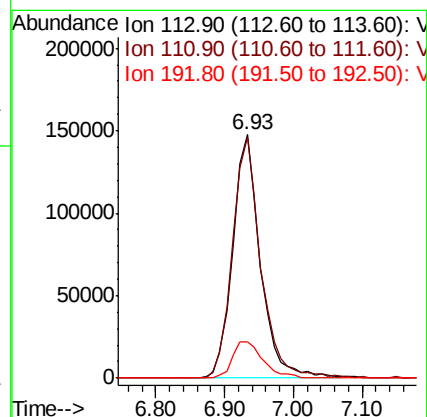
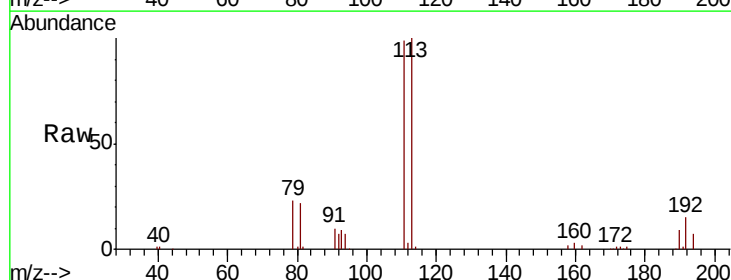
Instrument :
 MSVOA_D
 ClientSampleID :

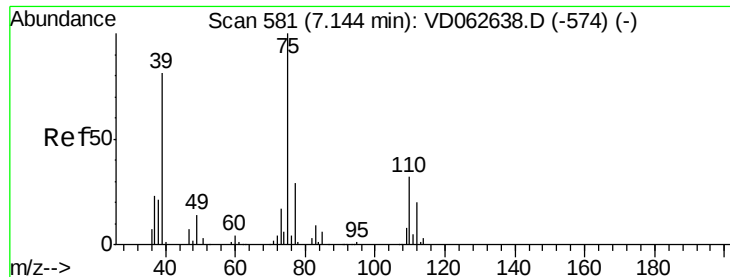
Tot Ion:114 Resp: 970012
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.4
 88 18.5 0.0 36.8



#35
 Dibromofluoromethane
 Concen: 39.963 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD062773.D
 Acq: 19 Jun 2019 4:39

Tgt Ion:113 Resp: 408824
 Ion Ratio Lower Upper
 113 100
 111 99.3 76.4 114.6
 192 14.8 11.4 17.0





#36

1,1-Dichloropropene

Concen: 4.648 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.09 min

Lab File: VD062773.D

Acq: 19 Jun 2019 4:39

Instrument :

MSVOA_D

ClientSampleId :

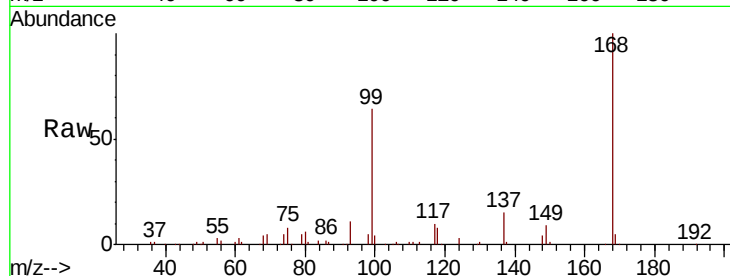
Tot Ion: 75 Resp: 51603

Ion Ratio Lower Upper

75 100

110 12.4 15.9 47.7#

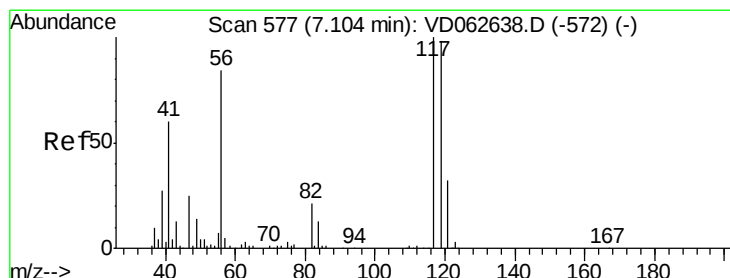
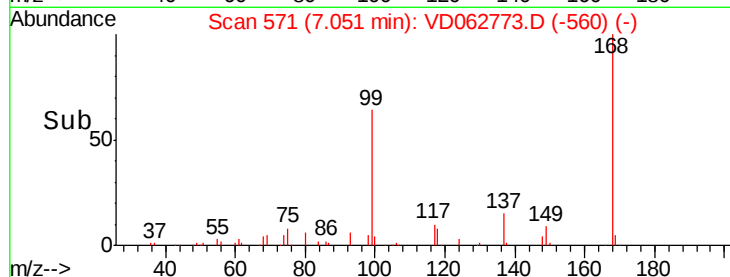
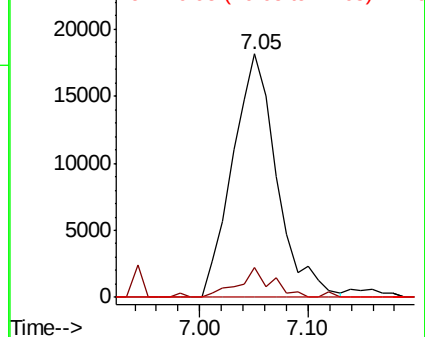
77 0.0 23.3 34.9#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 3.907 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD062773.D

Acq: 19 Jun 2019 4:39

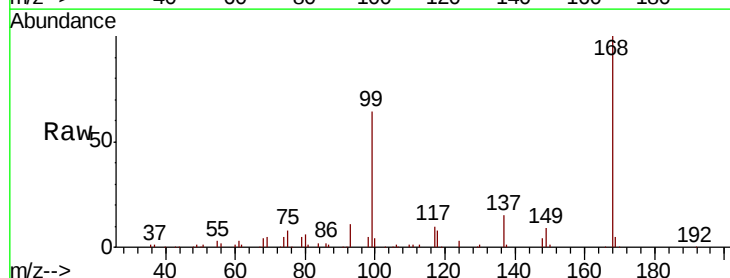
Tgt Ion: 117 Resp: 68562

Ion Ratio Lower Upper

117 100

119 3.5 73.5 110.3#

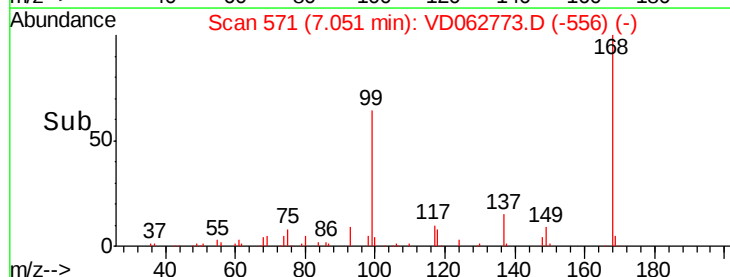
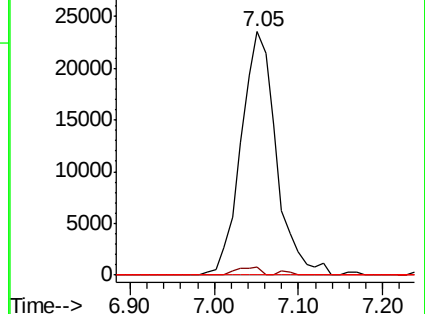
121 0.0 24.2 36.4#

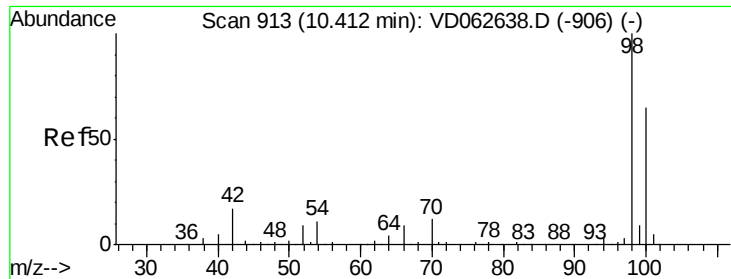


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

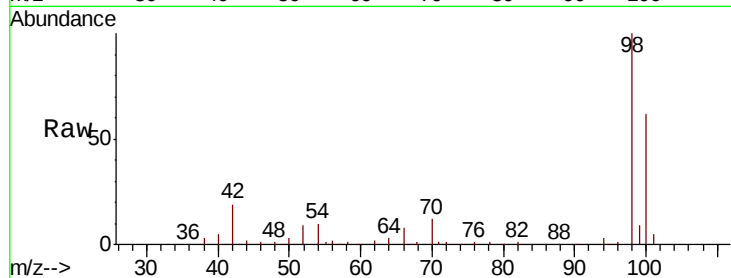




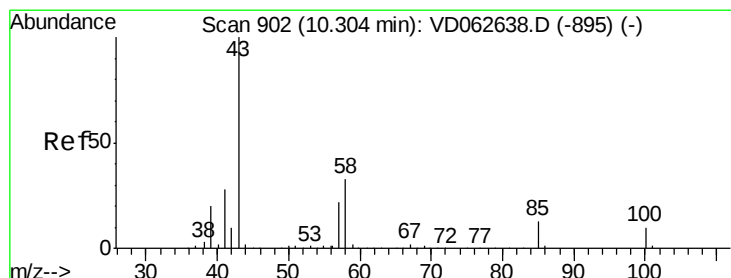
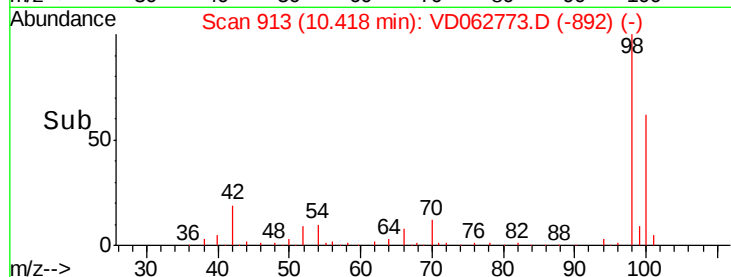
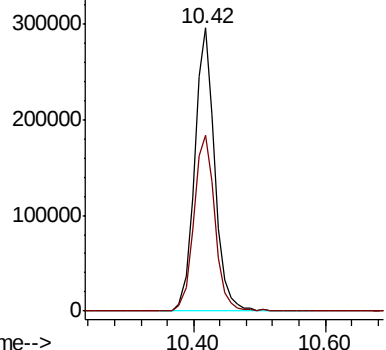
#50
Toluene-d8
Concen: 29.060 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062773.D
Acq: 19 Jun 2019 4:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 625378
Ion Ratio Lower Upper
98 100
100 62.0 52.1 78.1

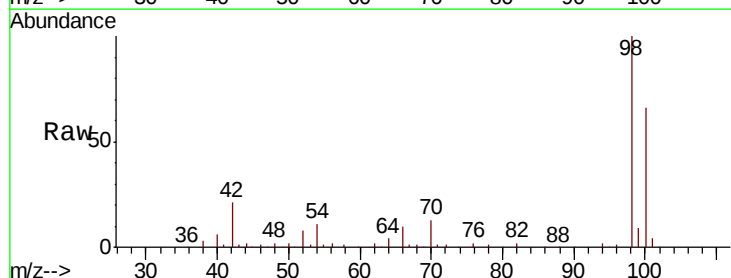


Abundance Ion 98.05 (97.75 to 98.75): VD062638.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD062638.D (-906) (-)

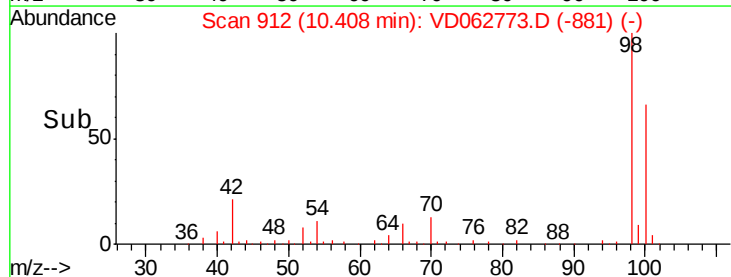
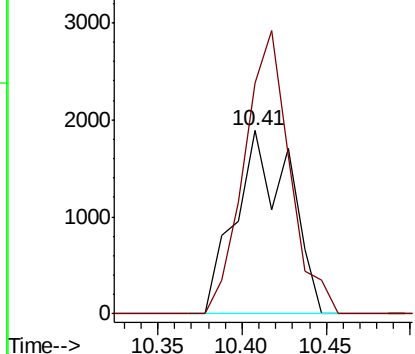


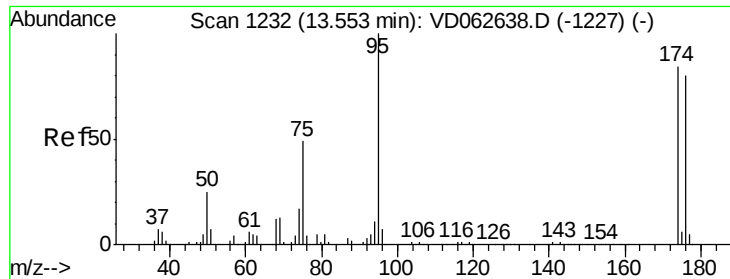
#51
4-Methyl-2-Pentanone
Concen: 1.023 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.10 min
Lab File: VD062773.D
Acq: 19 Jun 2019 4:39

Tgt Ion: 43 Resp: 4192
Ion Ratio Lower Upper
43 100
58 126.0 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VD062638.D (-895) (-)
Ion 57.95 (57.65 to 58.65): VD062638.D (-895) (-)





#62

4-Bromofluorobenzene

Concen: 29.036 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD062773.D

Acq: 19 Jun 2019 4:39

Instrument :

MSVOA_D

ClientSampleId :

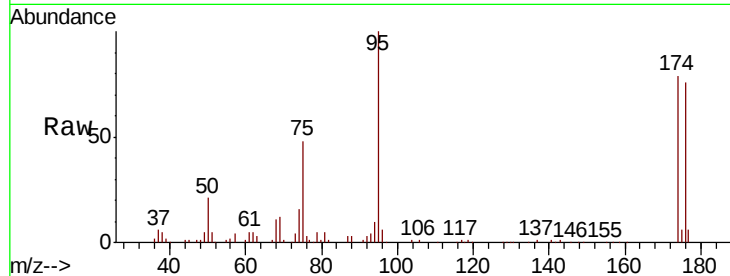
Tot Ion: 95 Resp: 291519

Ion Ratio Lower Upper

95 100

174 79.1 0.0 167.0

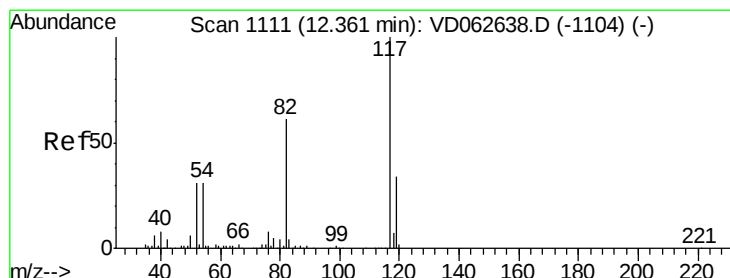
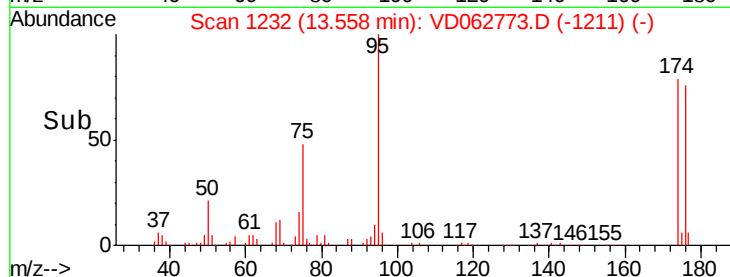
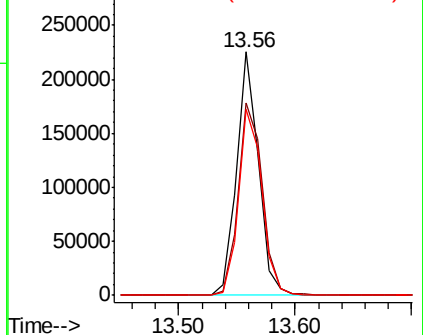
176 76.4 0.0 159.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1112

Delta R.T. 0.02 min

Lab File: VD062773.D

Acq: 19 Jun 2019 4:39

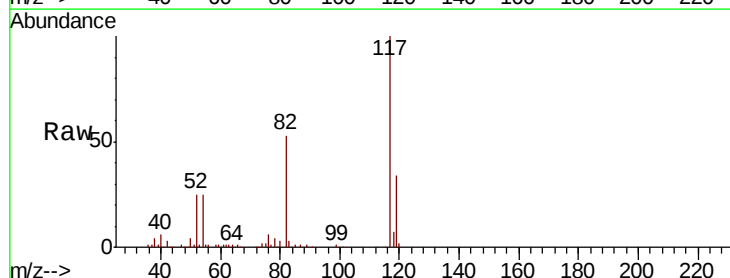
Tgt Ion: 117 Resp: 597635

Ion Ratio Lower Upper

117 100

82 53.1 48.7 73.1

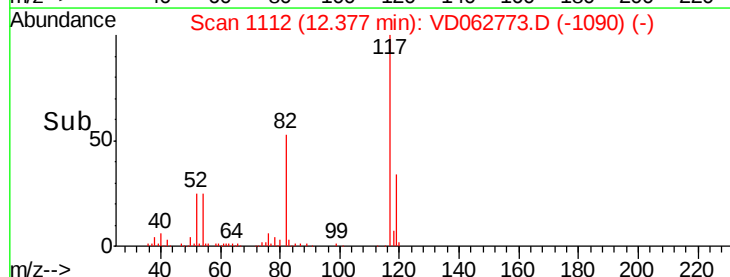
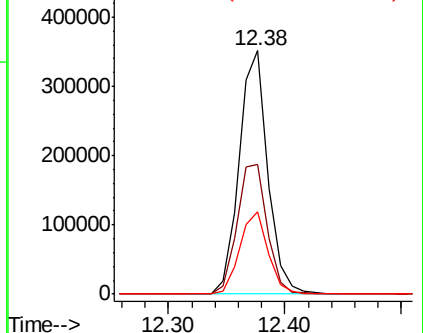
119 33.9 27.0 40.6

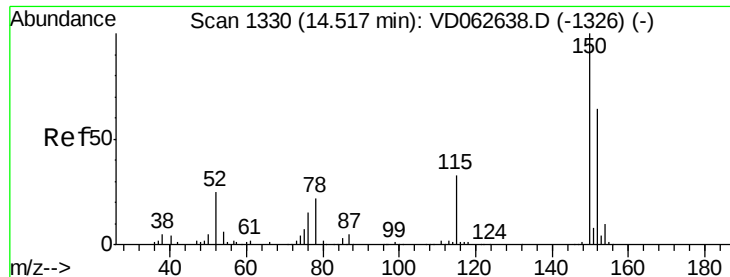


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD062773.D

Acq: 19 Jun 2019 4:39

Instrument :

MSVOA_D

ClientSampleId :

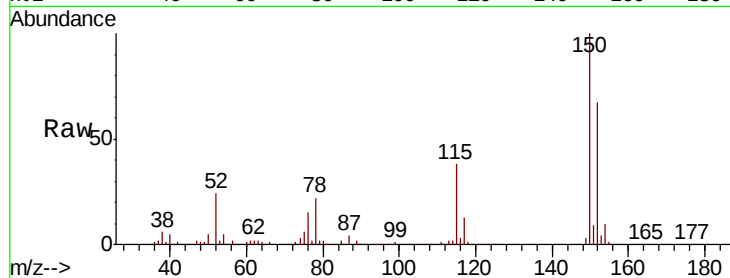
Tot Ion:152 Resp: 257209

Ion Ratio Lower Upper

152 100

115 56.4 30.1 90.5

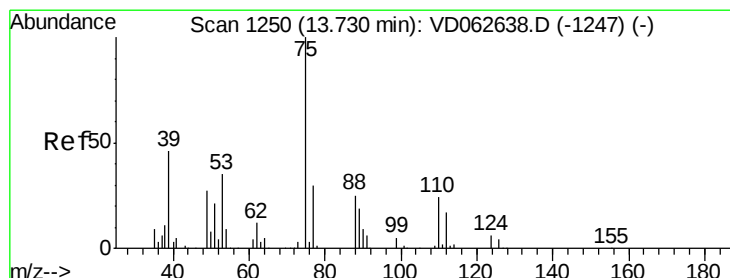
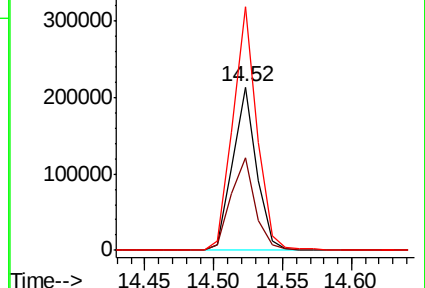
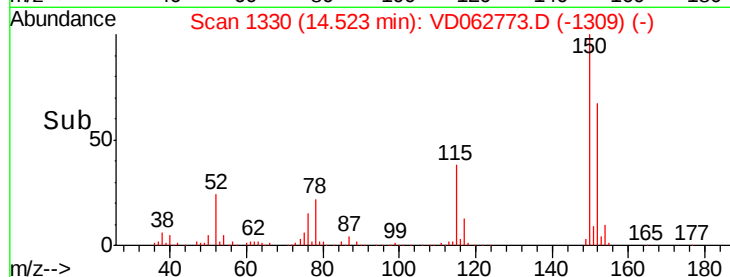
150 149.2 0.0 314.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 30.573 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD062773.D

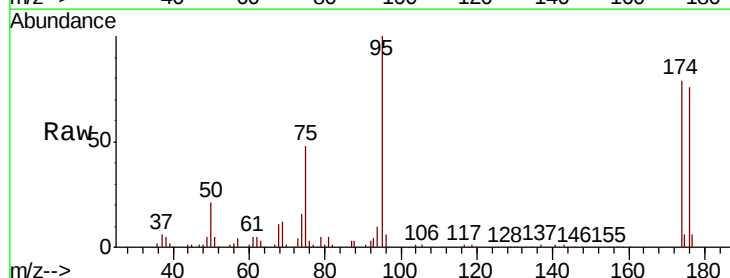
Acq: 19 Jun 2019 4:39

Tgt Ion: 75 Resp: 106622

Ion Ratio Lower Upper

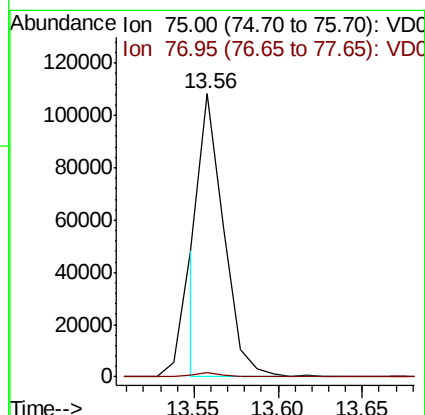
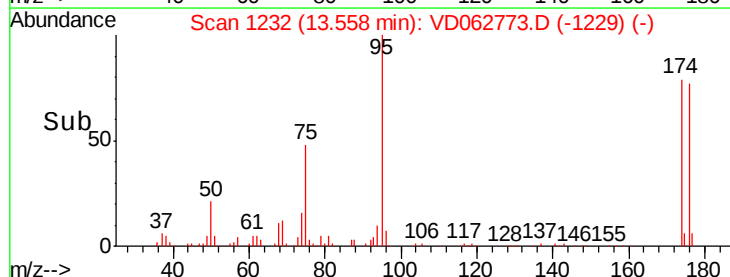
75 100

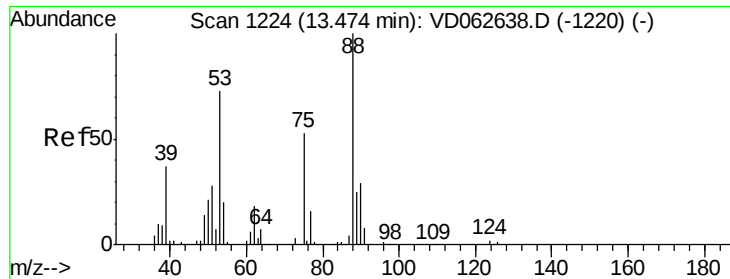
77 1.5 16.2 48.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 127.559 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062773.D

Acq: 19 Jun 2019 4:39

Instrument :

MSVOA_D

ClientSampled :

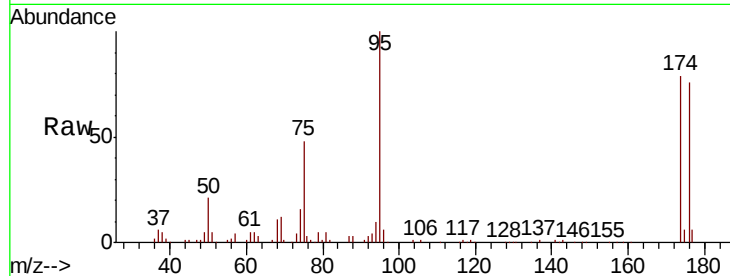
Tot Ion: 75 Resp: 138703

Ion Ratio Lower Upper

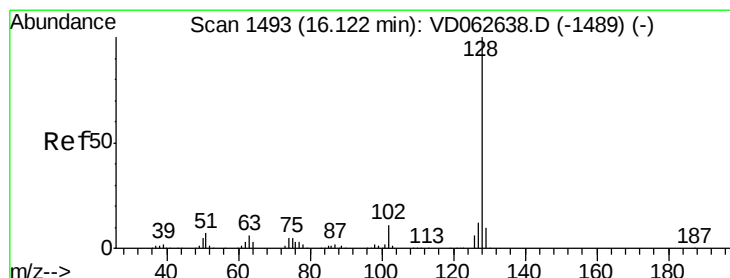
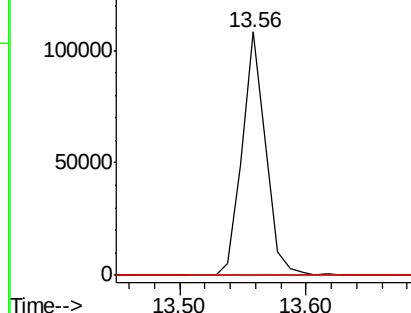
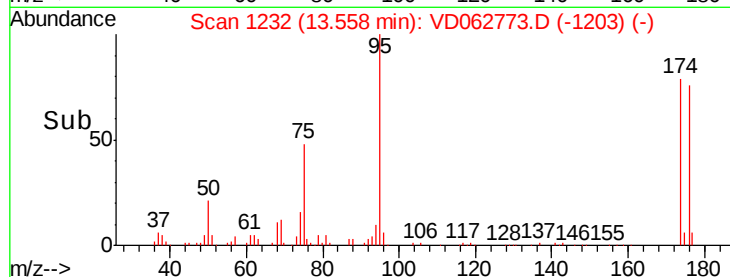
75 100

53 0.0 109.4 164.2#

89 0.0 37.0 55.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#95

Naphthalene

Concen: 3.610 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD062773.D

Acq: 19 Jun 2019 4:39

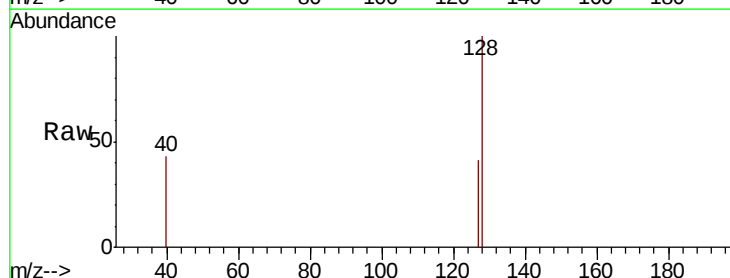
Tgt Ion:128 Resp: 1607

Ion Ratio Lower Upper

128 100

127 40.6 9.7 14.5#

129 0.0 8.1 12.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

