

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062676.D
 Acq On : 12 Jun 2019 16:08
 Operator : VA/AP
 Sample : K3273-14RE
 Misc : 4.86g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 13 07:24:56 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	7.04	168	633923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	900225	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	719344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	413077	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	301124	32.92	ug/l	-0.01
Spiked Amount			Recovery	=	65.84%	
35) Dibromofluoromethane	6.91	113	349032	36.76	ug/l	-0.01
Spiked Amount			Recovery	=	73.52%	
50) Toluene-d8	10.40	98	662873	33.19	ug/l	-0.01
Spiked Amount			Recovery	=	66.38%	
62) 4-Bromofluorobenzene	13.55	95	291440	31.28	ug/l	0.00
Spiked Amount			Recovery	=	62.56%	

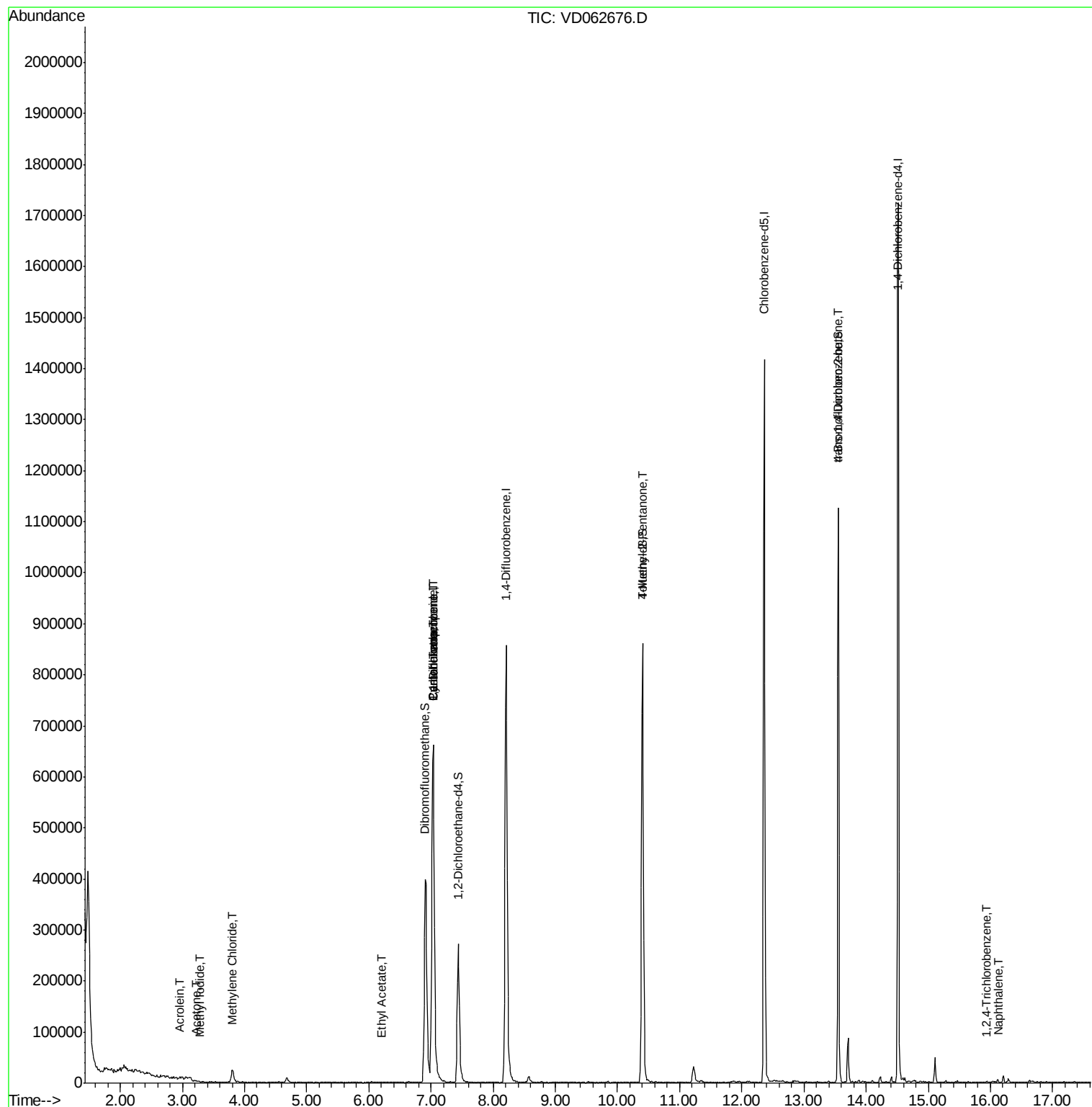
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	1116	Below Cal		94
10) Methyl Iodide	3.28	142	730	4.068	ug/l #	1
13) Acrolein	2.95	56	356	2.943	ug/l #	12
16) Acetone	3.23	43	7252	4.329	ug/l #	66
20) Methylene Chloride	3.80	84	15936	2.095	ug/l #	82
31) Cyclohexane	7.03	56	16026	2.220	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	52591	5.104	ug/l #	50
37) Ethyl Acetate	6.19	43	250	1.256	ug/l #	74
38) Carbon Tetrachloride	7.04	117	67556	4.148	ug/l #	18
51) 4-Methyl-2-Pentanone	10.40	43	3994	1.050	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	142645	83.085	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	479	3.610	ug/l #	50
95) Naphthalene	16.12	128	3449	3.664	ug/l #	79

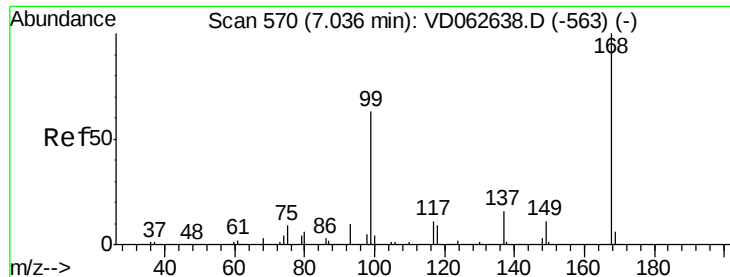
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061219\
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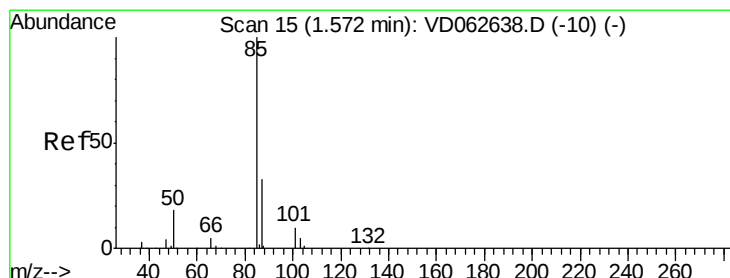
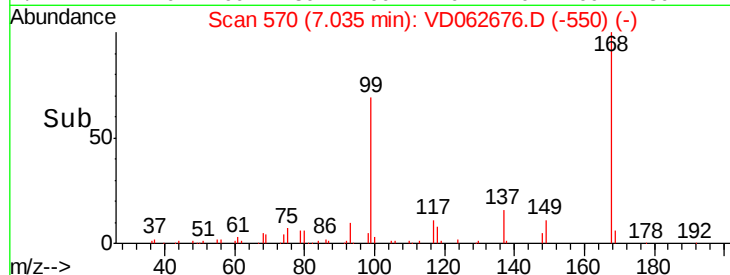
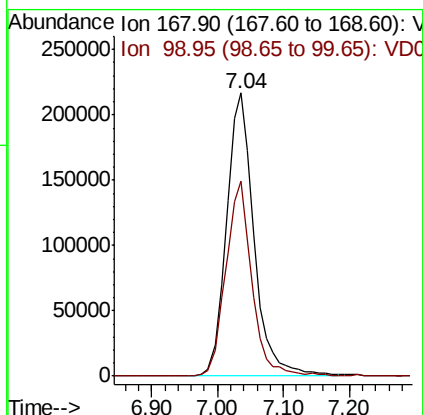
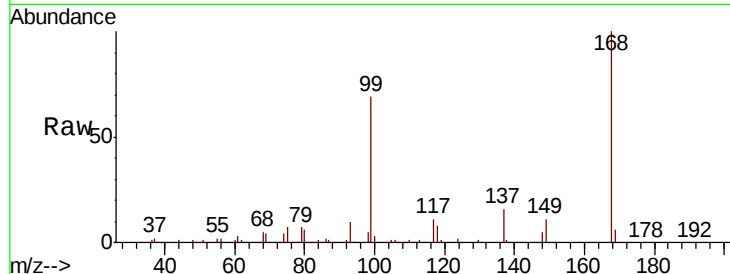




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.00 min
Lab File: VD062676.D
Acq: 12 Jun 2019 16:08

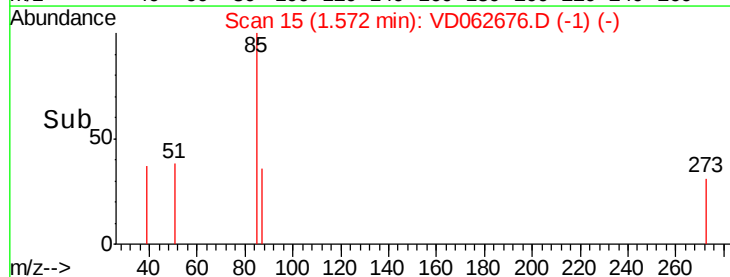
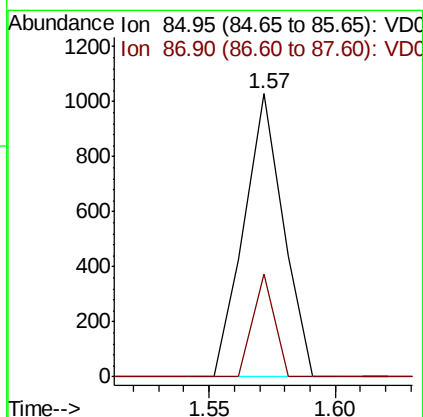
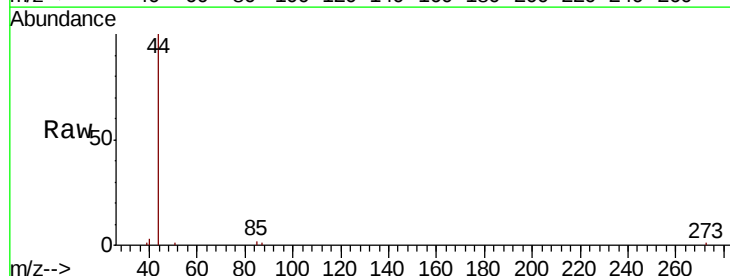
Instrument :
MSVOA_D
ClientSampleId :

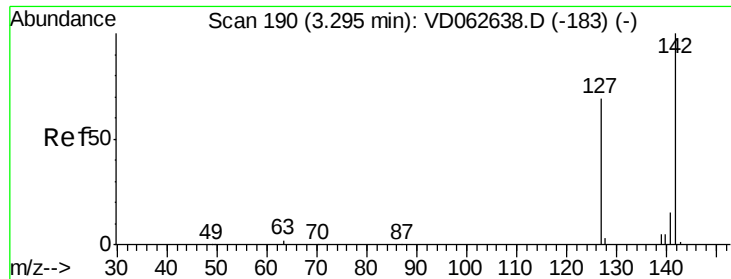
Tot Ion:168 Resp: 633923
Ion Ratio Lower Upper
168 100
99 68.9 51.4 77.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.57 min Scan# 15
Delta R.T. 0.00 min
Lab File: VD062676.D
Acq: 12 Jun 2019 16:08

Tgt Ion: 85 Resp: 1116
Ion Ratio Lower Upper
85 100
87 36.4 16.6 49.7

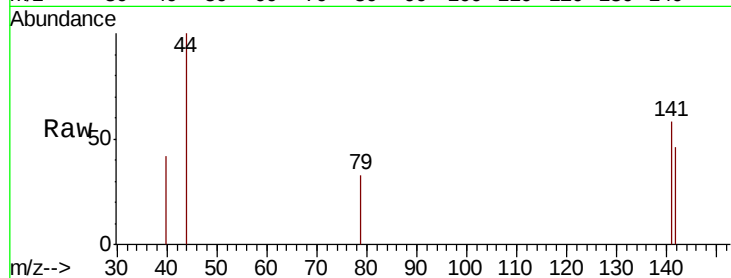




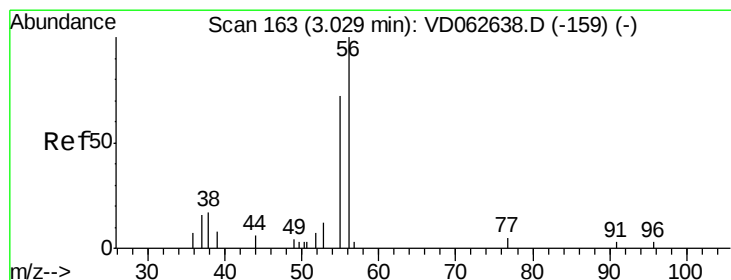
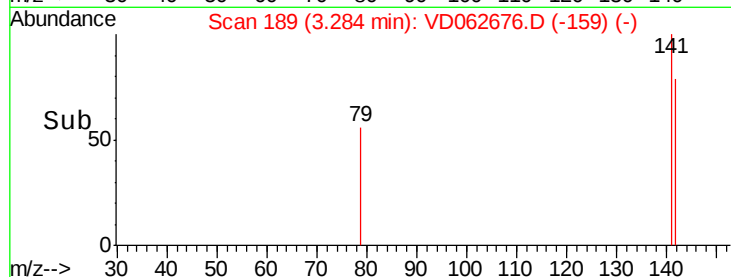
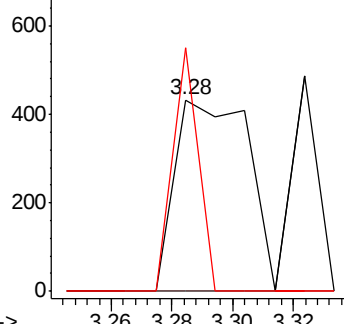
#10
Methvl Iodide
Concen: 4.068 ug/l
RT: 3.28 min Scan# 189
Delta R.T. -0.01 min
Lab File: VD062676.D
Acq: 12 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 730
Ion Ratio Lower Upper
142 100
127 0.0 55.2 82.8#
141 127.3 12.1 18.1#

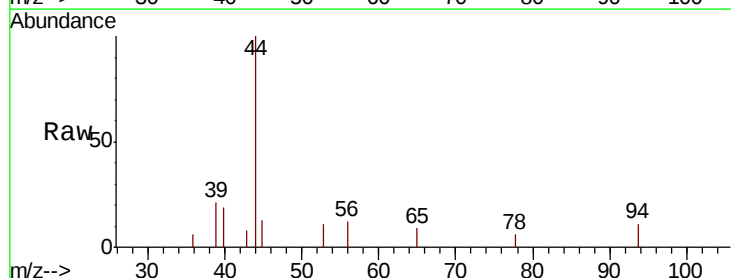


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

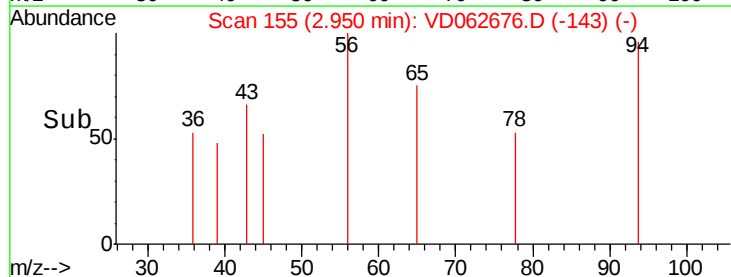
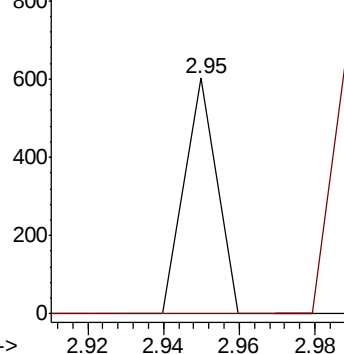


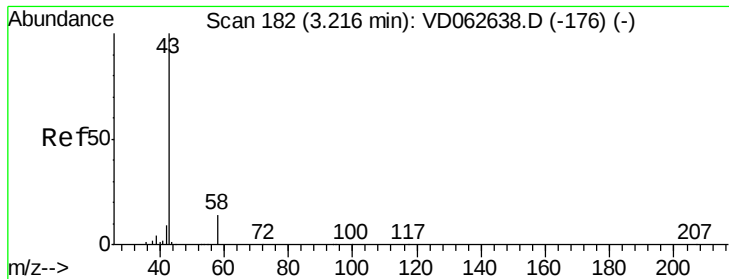
#13
Acrolein
Concen: 2.943 ug/l
RT: 2.95 min Scan# 155
Delta R.T. -0.08 min
Lab File: VD062676.D
Acq: 12 Jun 2019 16:08

Tgt Ion: 56 Resp: 356
Ion Ratio Lower Upper
56 100
55 0.0 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): V
Ion 55.00 (54.70 to 55.70): V





#16

Acetone

Concen: 4.329 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD062676.D

Acq: 12 Jun 2019 16:08

Instrument :

MSVOA_D

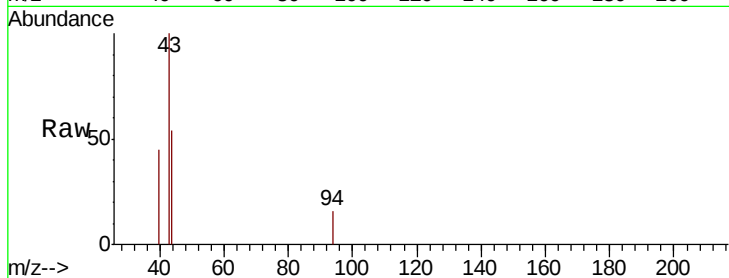
ClientSampleId :

Tot Ion: 43 Resp: 7252

Ion Ratio Lower Upper

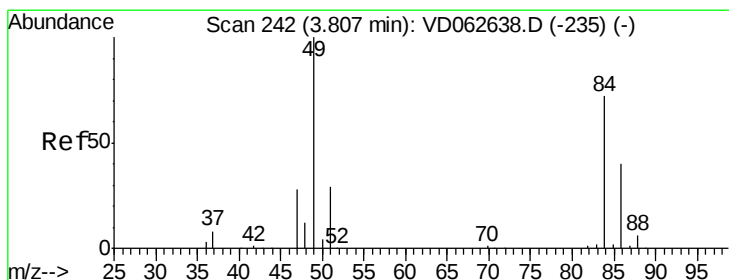
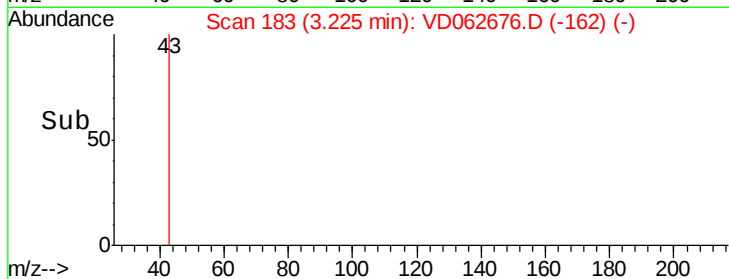
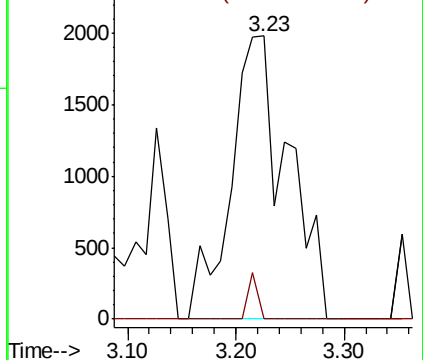
43 100

58 0.0 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 2.095 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD062676.D

Acq: 12 Jun 2019 16:08

Tgt Ion: 84 Resp: 15936

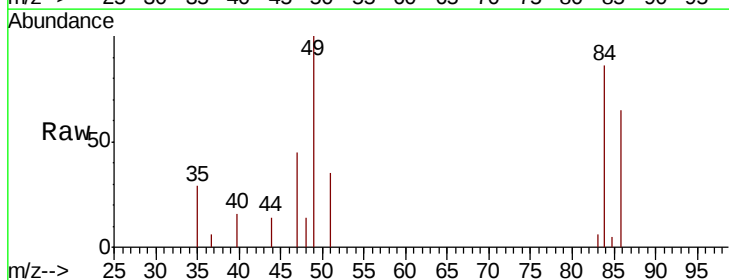
Ion Ratio Lower Upper

84 100

49 116.8 111.2 166.8

51 40.9 31.9 47.9

86 76.4 44.7 67.1#

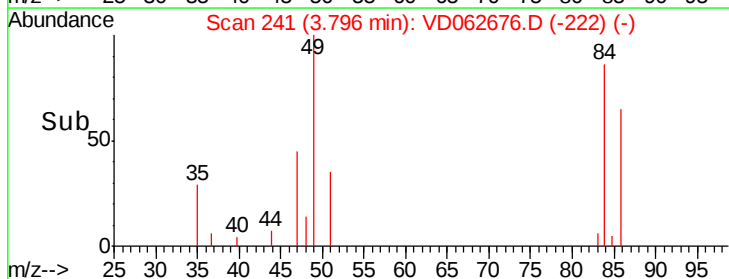
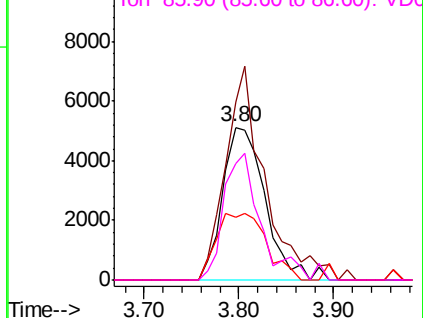


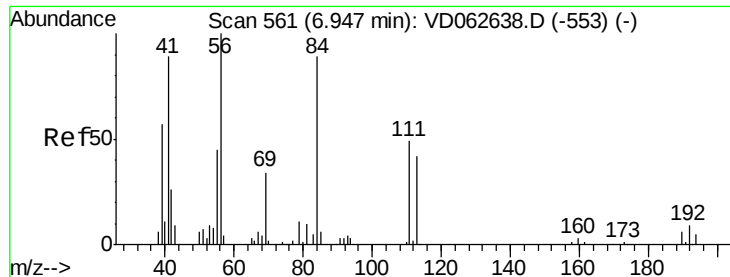
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

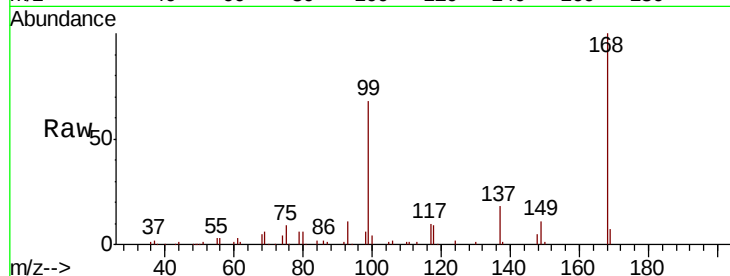




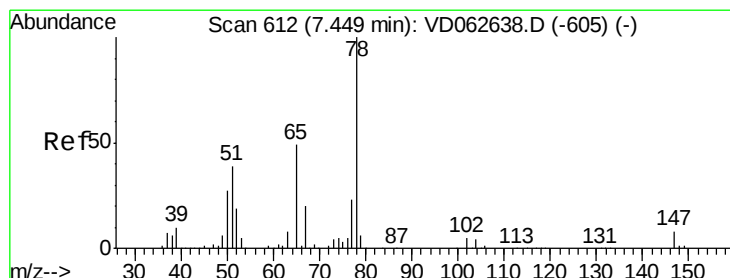
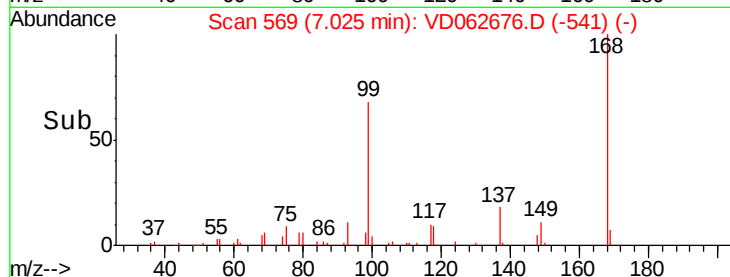
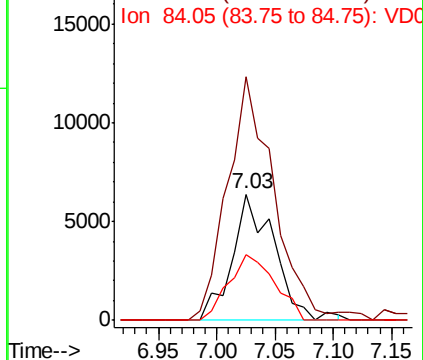
#31
Cyclohexane
Concen: 2.220 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.08 min
Lab File: VD062676.D
Acq: 12 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 16026
Ion Ratio Lower Upper
56 100
69 193.1 26.8 40.2#
84 52.2 73.9 110.9#

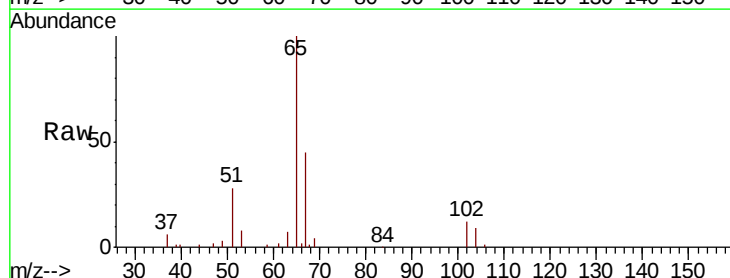


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

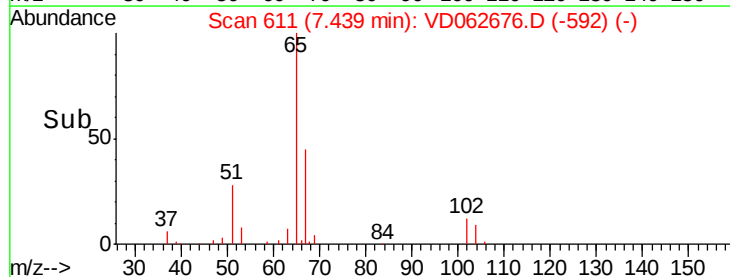
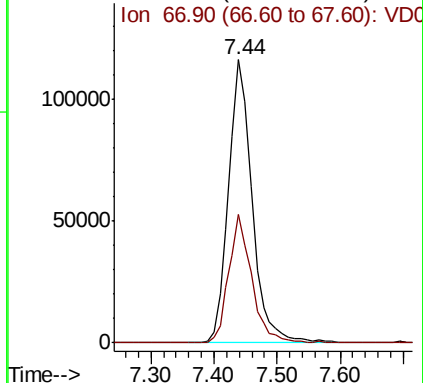


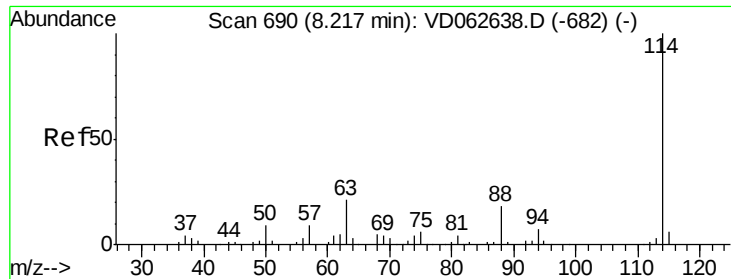
#33
1,2-Dichloroethane-d4
Concen: 32.919 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062676.D
Acq: 12 Jun 2019 16:08

Tgt Ion: 65 Resp: 301124
Ion Ratio Lower Upper
65 100
67 45.4 0.0 81.8



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

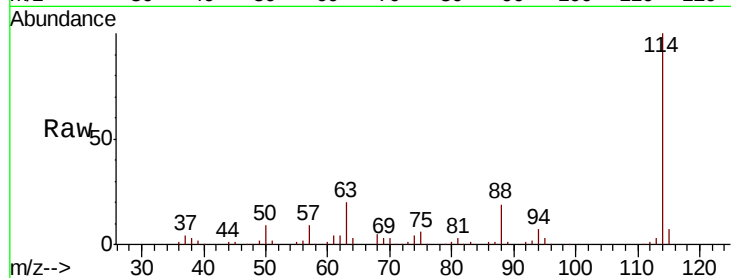




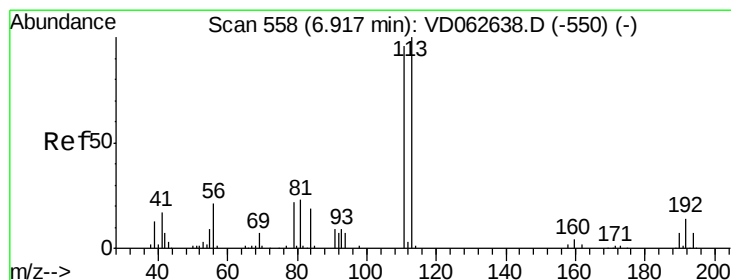
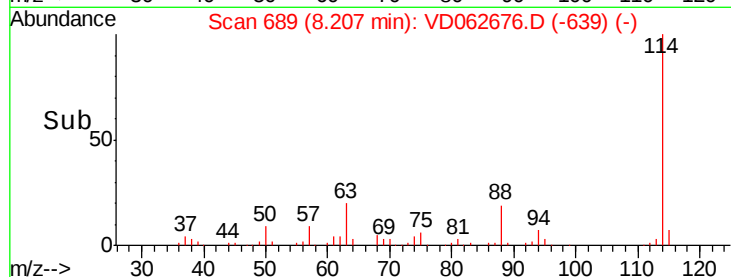
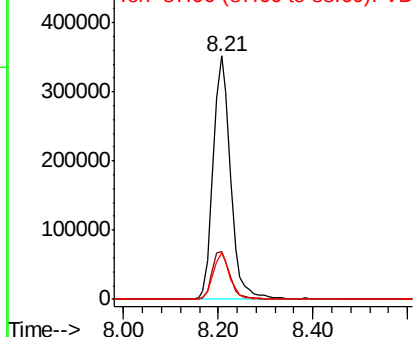
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.21 min Scan# 689
Delta R.T. -0.01 min
Lab File: VD062676.D
Acq: 12 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 900225
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.4
88 19.2 0.0 36.8

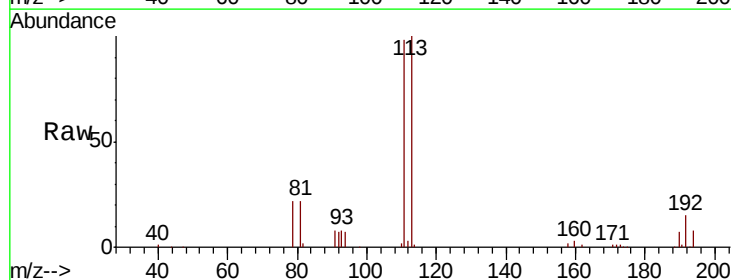


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

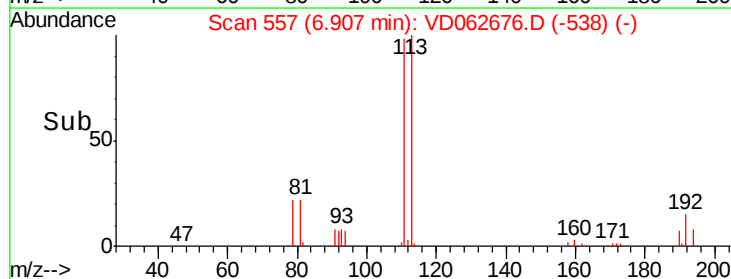
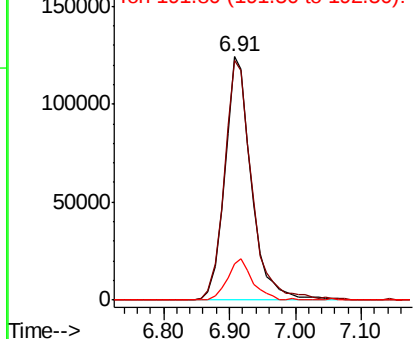


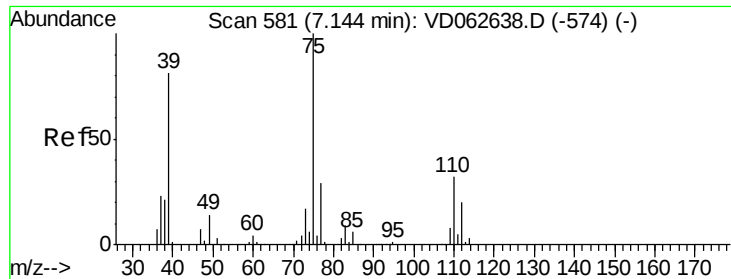
#35
Dibromofluoromethane
Concen: 36.763 ug/l
RT: 6.91 min Scan# 557
Delta R.T. -0.01 min
Lab File: VD062676.D
Acq: 12 Jun 2019 16:08

Tgt Ion:113 Resp: 349032
Ion Ratio Lower Upper
113 100
111 98.3 76.4 114.6
192 14.6 11.4 17.0



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.104 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.12 min

Lab File: VD062676.D

Acq: 12 Jun 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

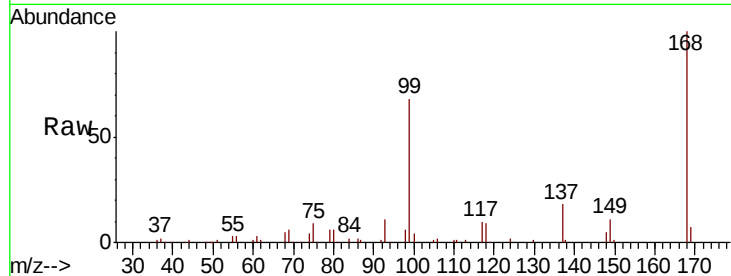
Tot Ion: 75 Resp: 52591

Ion Ratio Lower Upper

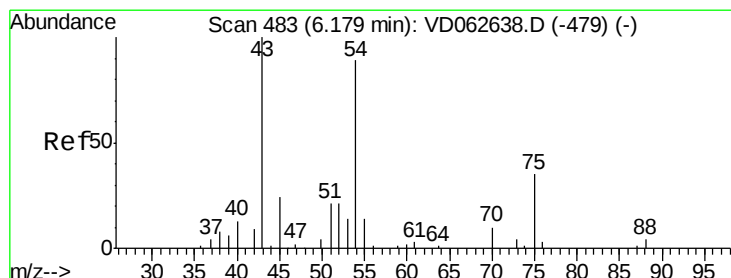
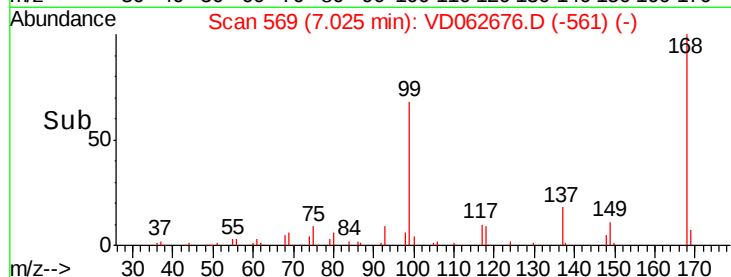
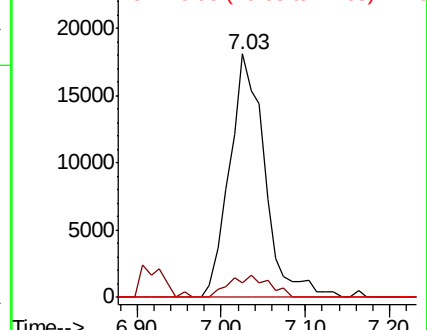
75 100

110 5.9 15.9 47.7#

77 0.0 23.3 34.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.256 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.01 min

Lab File: VD062676.D

Acq: 12 Jun 2019 16:08

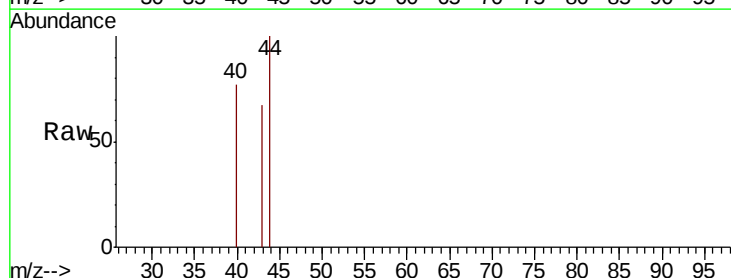
Tgt Ion: 43 Resp: 250

Ion Ratio Lower Upper

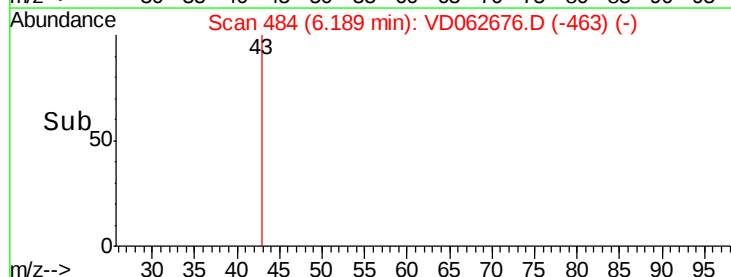
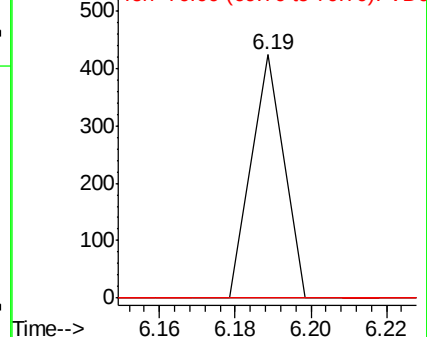
43 100

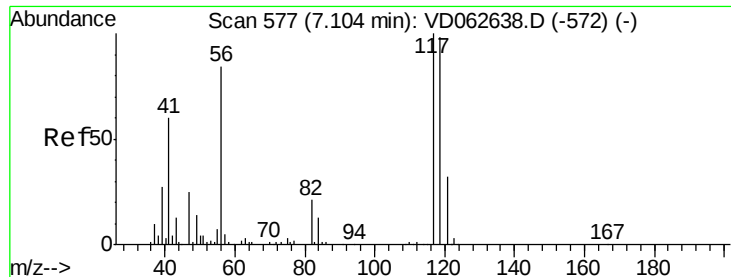
61 0.0 8.7 13.1#

70 0.0 6.5 9.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

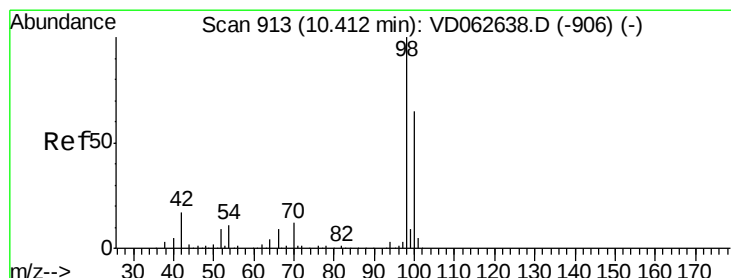
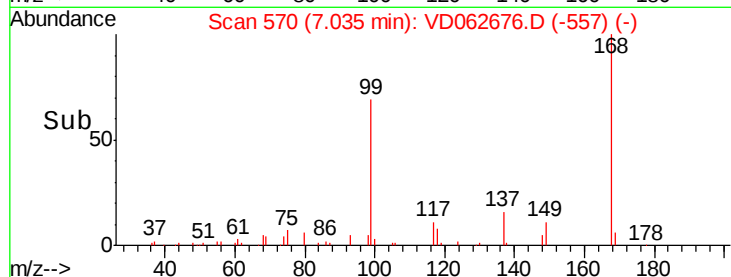
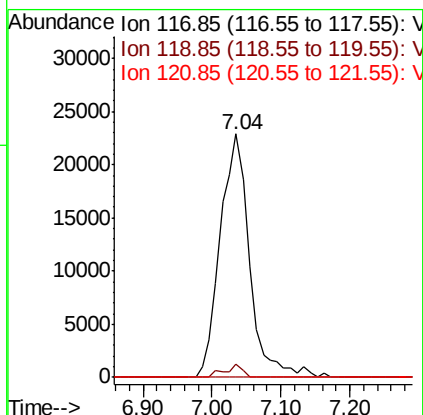
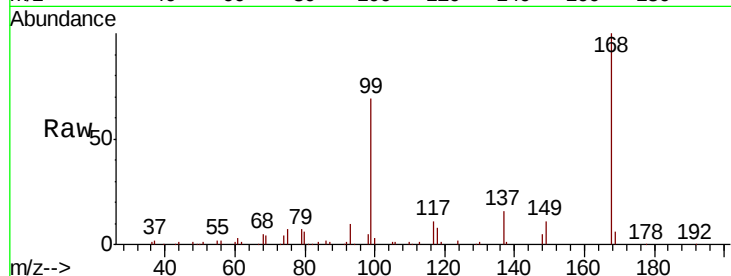




#38
Carbon Tetrachloride
Concen: 4.148 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD062676.D
Acq: 12 Jun 2019 16:08

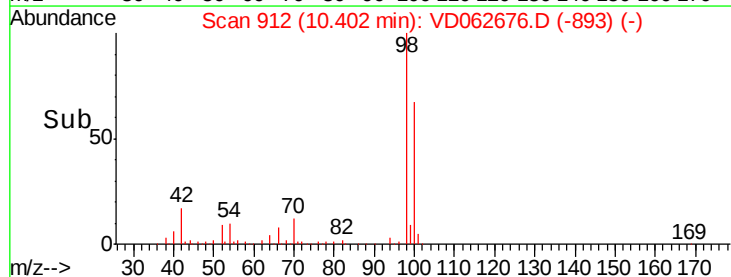
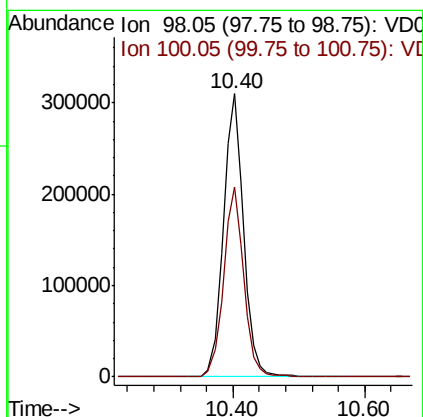
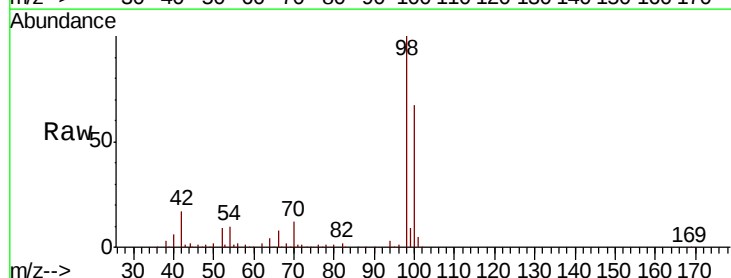
Instrument :
MSVOA_D
ClientSampleId :

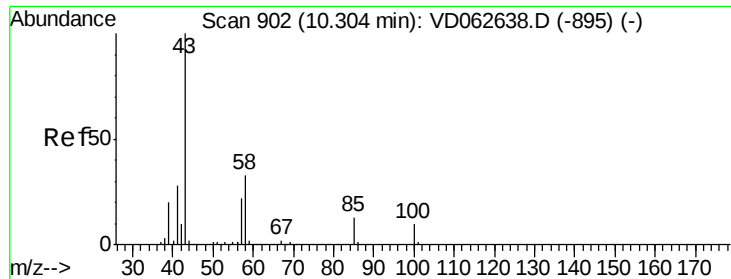
Tot Ion:117 Resp: 67556
Ion Ratio Lower Upper
117 100
119 5.3 73.5 110.3#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 33.190 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062676.D
Acq: 12 Jun 2019 16:08

Tgt Ion: 98 Resp: 662873
Ion Ratio Lower Upper
98 100
100 67.1 52.1 78.1

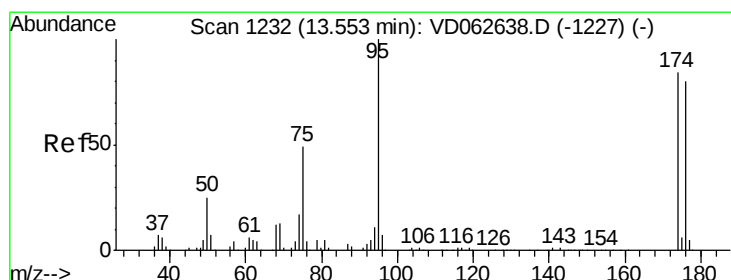
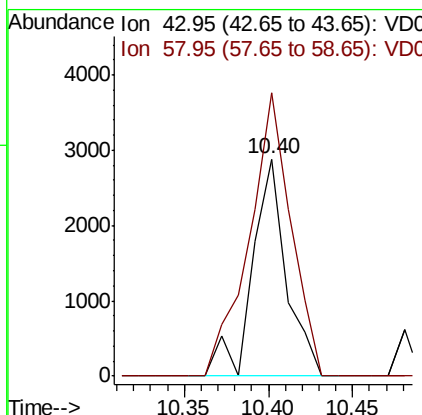
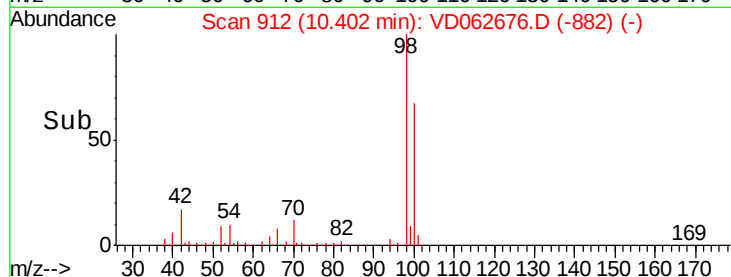
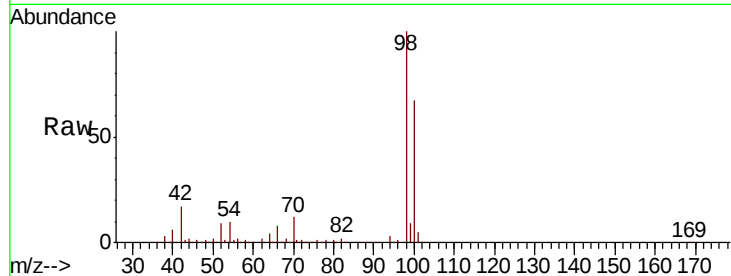




#51
4-Methyl-2-Pentanone
Concen: 1.050 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.10 min
Lab File: VD062676.D
Acq: 12 Jun 2019 16:08

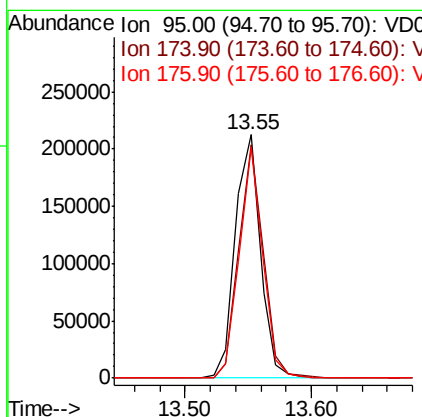
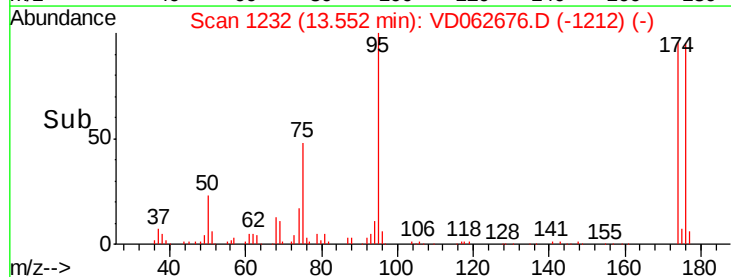
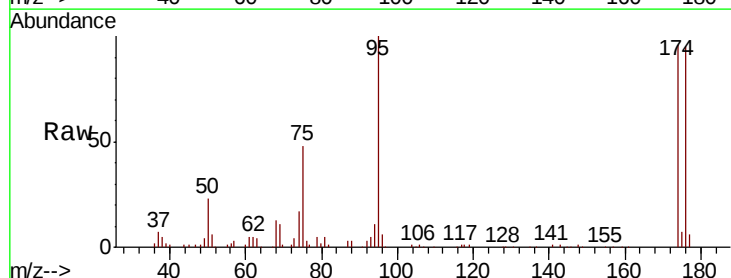
Instrument :
MSVOA_D
ClientSampleId :

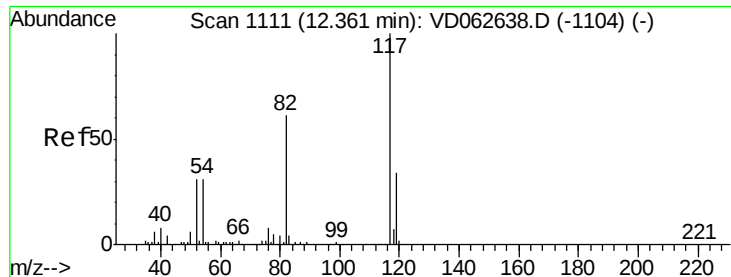
Tot Ion: 43 Resp: 3994
Ion Ratio Lower Upper
43 100
58 130.5 26.1 39.1#



#62
4-Bromofluorobenzene
Concen: 31.278 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD062676.D
Acq: 12 Jun 2019 16:08

Tgt Ion: 95 Resp: 291440
Ion Ratio Lower Upper
95 100
174 96.0 0.0 167.0
176 94.9 0.0 159.2

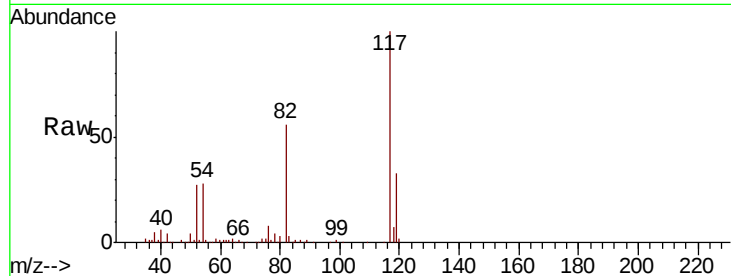




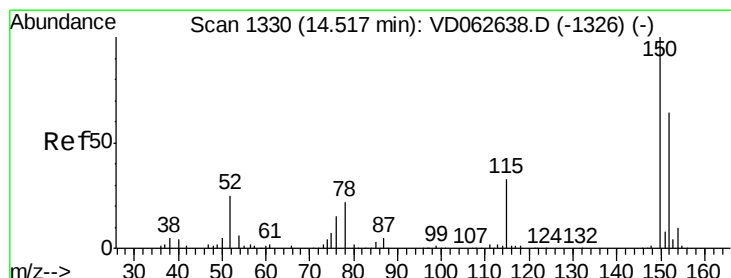
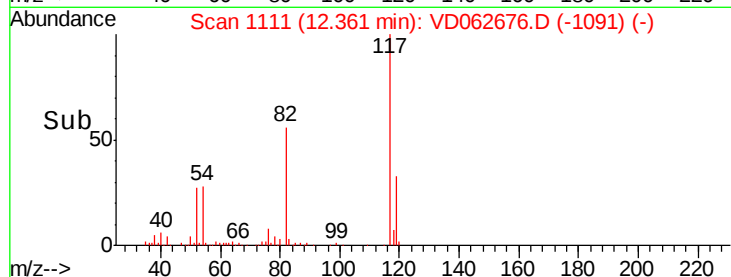
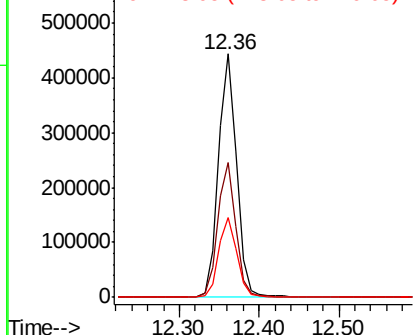
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062676.D
Acq: 12 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 719344
Ion Ratio Lower Upper
117 100
82 55.6 48.7 73.1
119 32.8 27.0 40.6

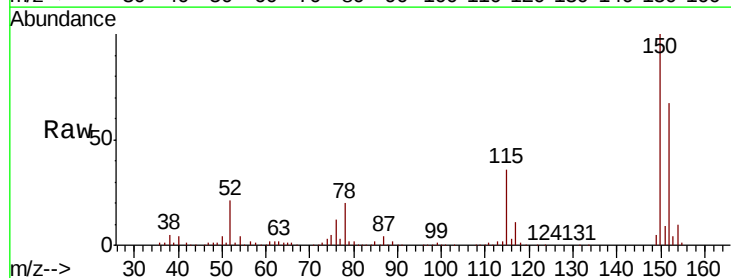


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

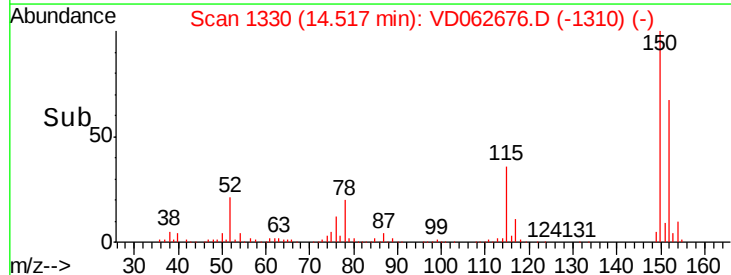
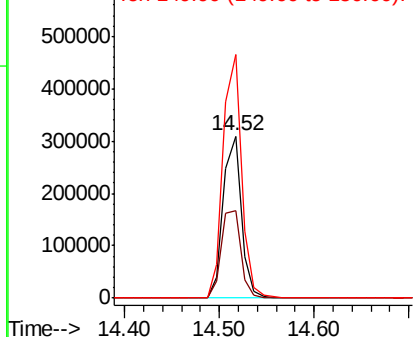


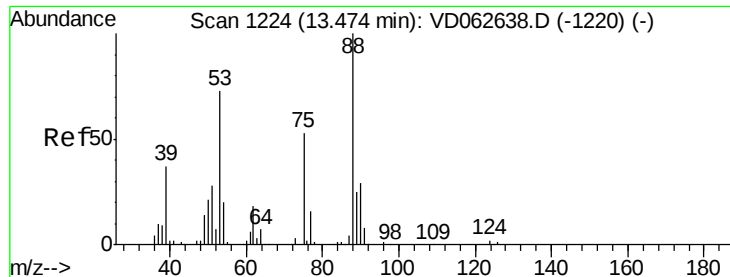
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062676.D
Acq: 12 Jun 2019 16:08

Tgt Ion:152 Resp: 413077
Ion Ratio Lower Upper
152 100
115 53.9 30.1 90.5
150 150.4 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





#81

trans-1,4-Dichloro-2-butene

Concen: 83.085 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062676.D

Acq: 12 Jun 2019 16:08

Instrument :

MSVOA_D

ClientSampled :

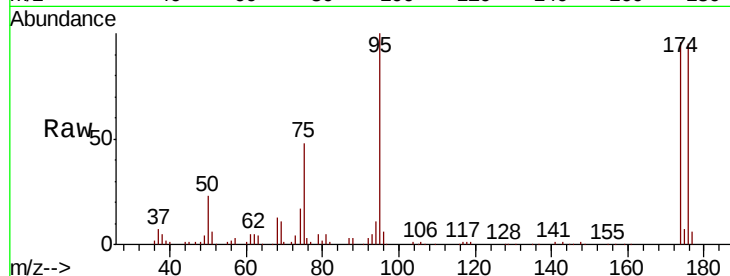
Tot Ion: 75 Resp: 142645

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

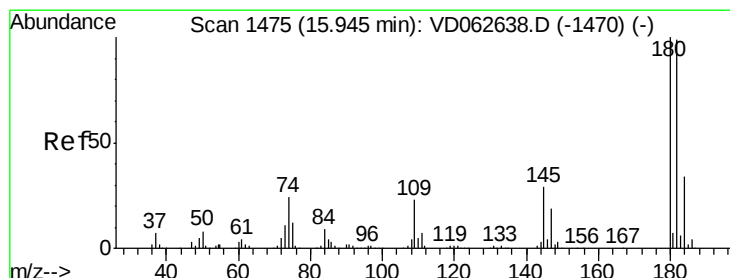
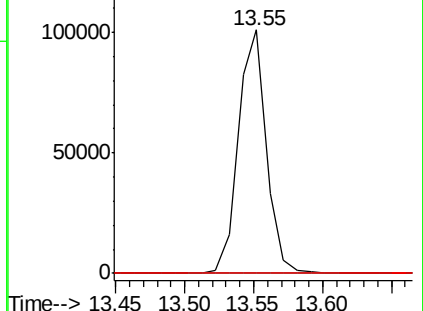
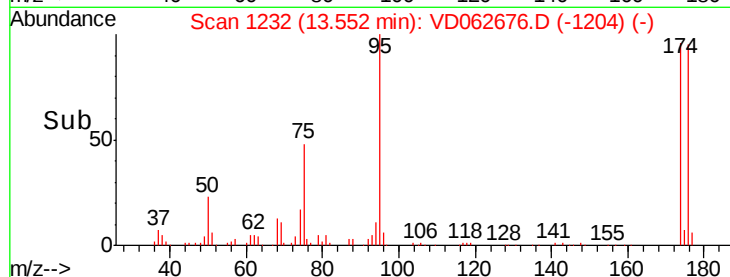
89 0.0 37.0 55.6#



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



#93

1,2,4-Trichlorobenzene

Concen: 3.610 ug/l

RT: 15.94 min Scan# 1475

Delta R.T. 0.00 min

Lab File: VD062676.D

Acq: 12 Jun 2019 16:08

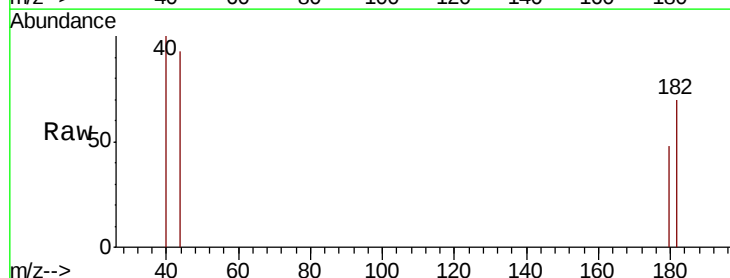
Tgt Ion:180 Resp: 479

Ion Ratio Lower Upper

180 100

182 146.8 49.4 148.2

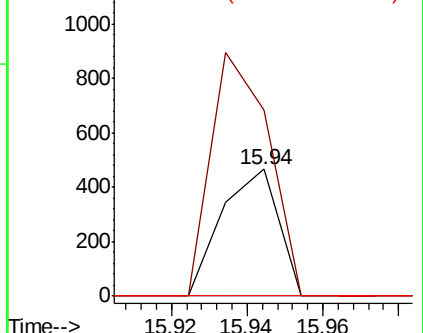
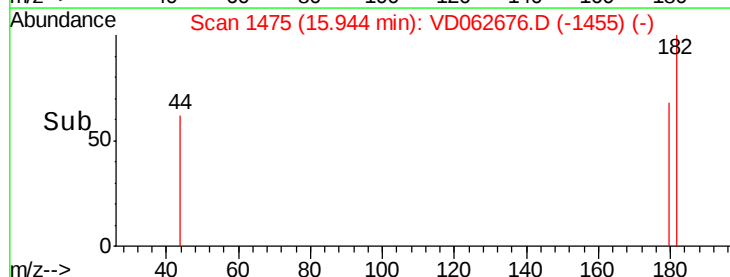
145 0.0 14.5 43.6#

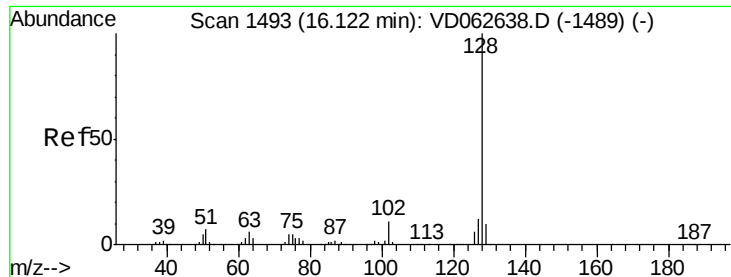


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

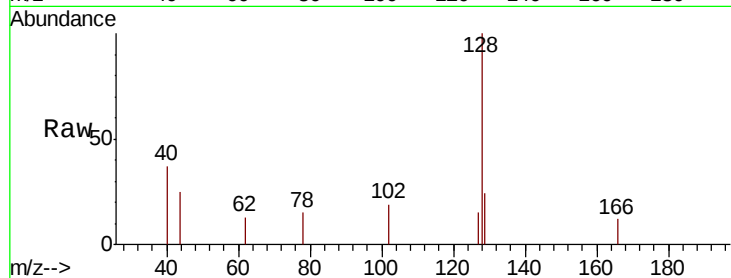




#95
Naphthalene
Concen: 3.664 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062676.D
Acq: 12 Jun 2019 16:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 3449
Ion Ratio Lower Upper
128 100
127 15.2 9.7 14.5#
129 23.8 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

