

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072220\
 Data File : VD065994.D
 Acq On : 22 Jul 2020 11:46
 Operator : VA/SY
 Sample : VD0722SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0722SBL01

Quant Time: Jul 22 15:42:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	364549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	539746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	497458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244431	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	159712	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
35) Dibromofluoromethane	7.92	113	168408	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
50) Toluene-d8	10.34	98	622853	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.64	95	209985	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

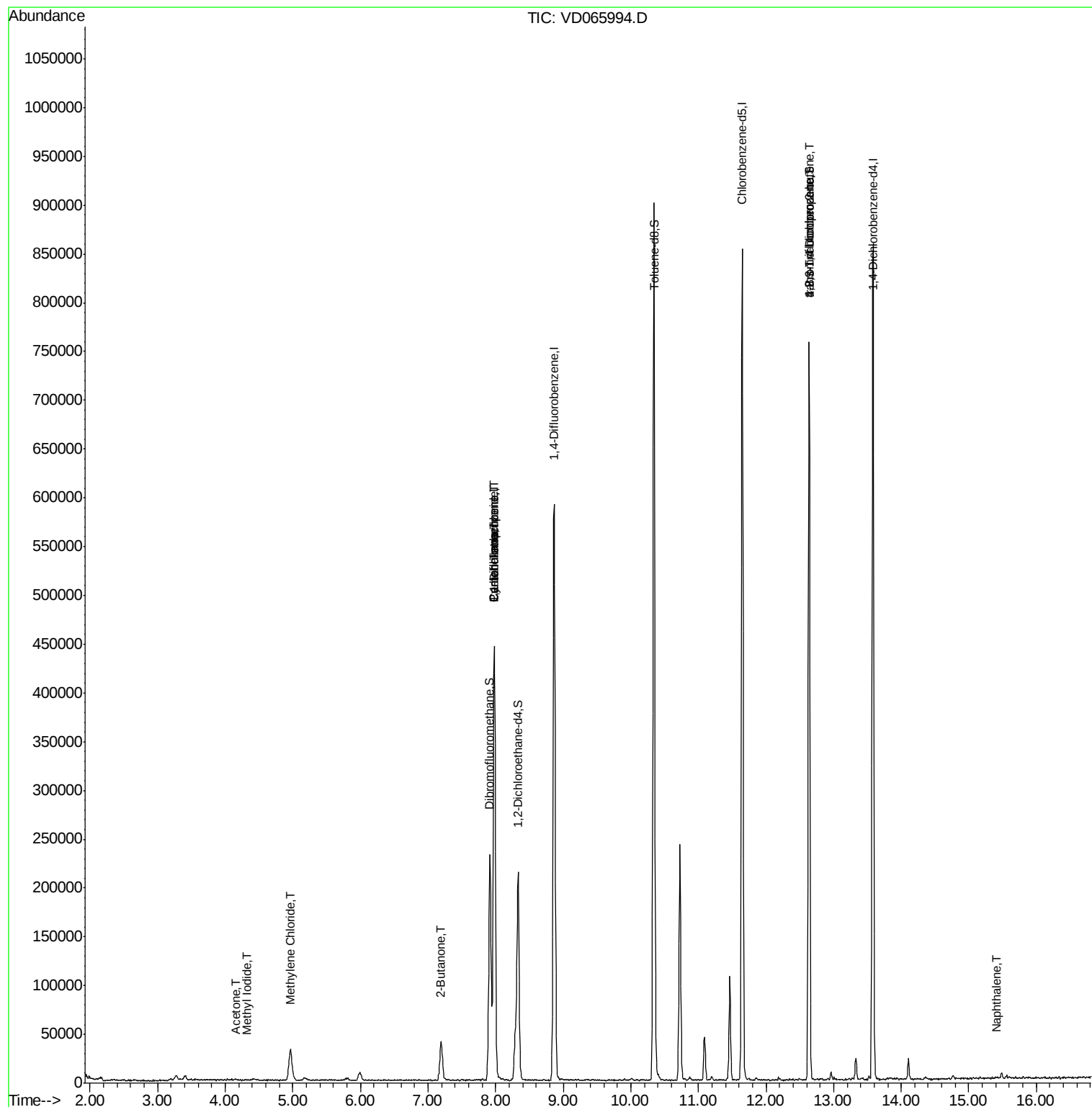
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	173	Below Cal	#	4
10) Methyl Iodide	4.32	142	154	8.852	ug/l #	82
11) Tert butyl alcohol	5.24	59	177	Below Cal	#	83
16) Acetone	4.17	43	2399	3.996	ug/l	93
20) Methylene Chloride	4.96	84	24212	4.601	ug/l	94
25) 2-Butanone	7.20	43	2431	3.051	ug/l #	88
31) Cyclohexane	7.97	56	6529	1.224	ug/l #	14
36) 1,1-Dichloropropene	7.98	75	24733	5.369	ug/l #	48
38) Carbon Tetrachloride	7.99	117	33173	6.637	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	102339	55.606	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	102339	127.596	ug/l #	11
95) Naphthalene	15.41	128	1500	3.727	ug/l #	92

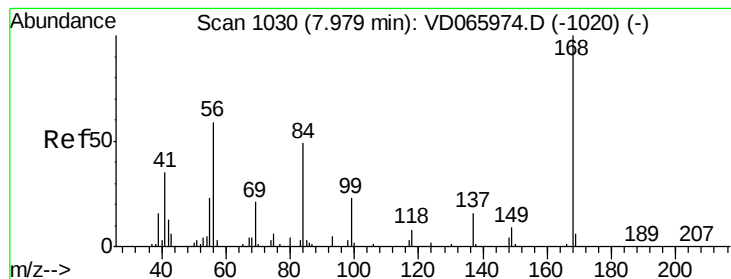
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD072220\
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Quant Time: Jul 22 15:42:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065994.D

Acq: 22 Jul 2020 11:46

Instrument :

MSVOA_D

ClientSampleId :

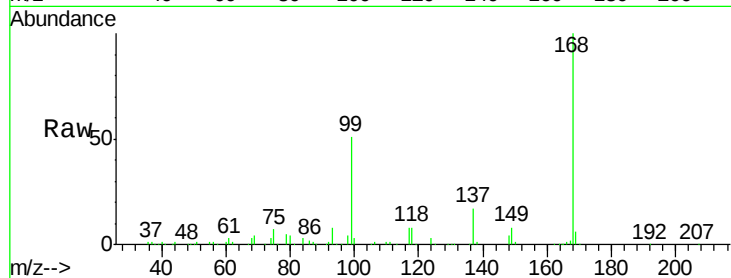
VD0722SBL01

Tgt Ion:168 Resp: 364549

Ion Ratio Lower Upper

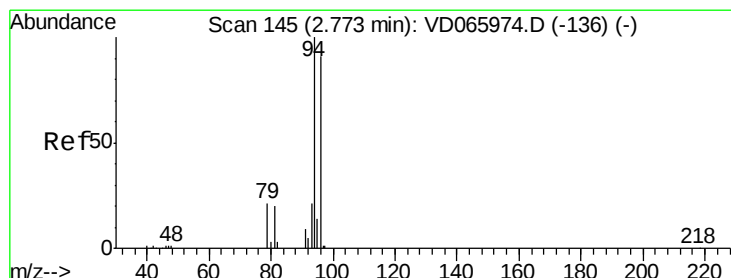
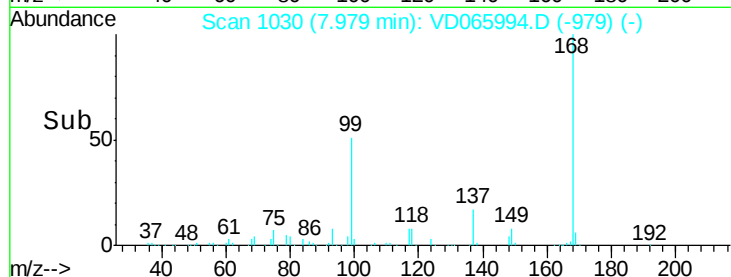
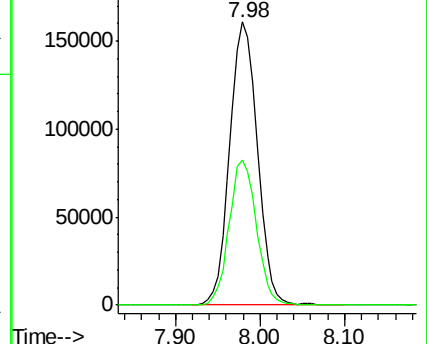
168 100

99 51.2 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD065994.D

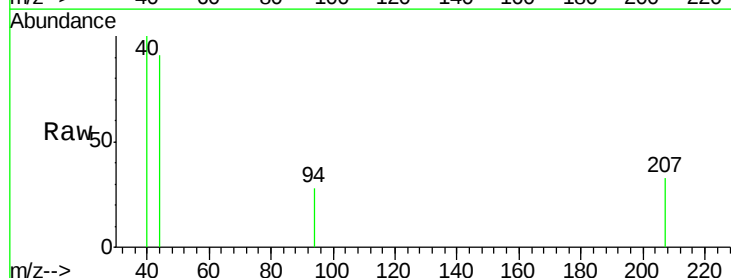
Acq: 22 Jul 2020 11:46

Tgt Ion: 94 Resp: 173

Ion Ratio Lower Upper

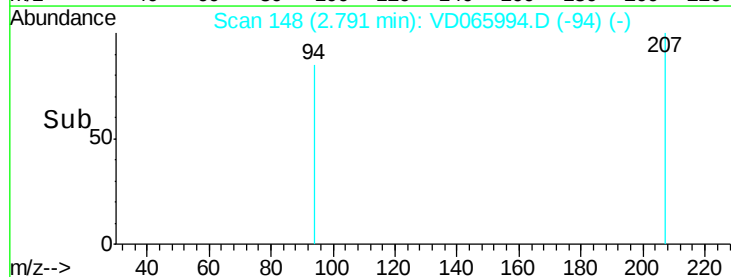
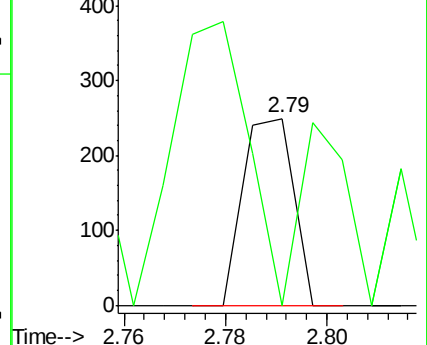
94 100

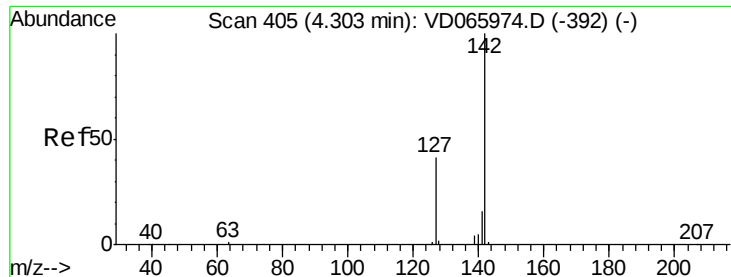
96 0.0 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

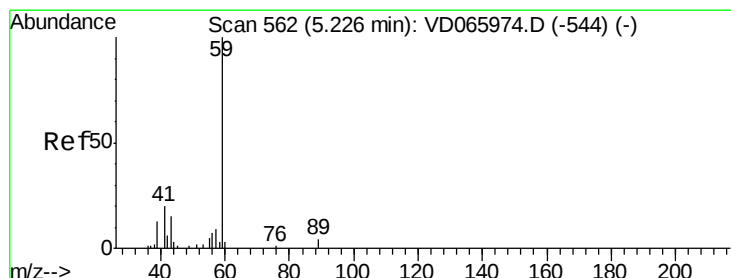
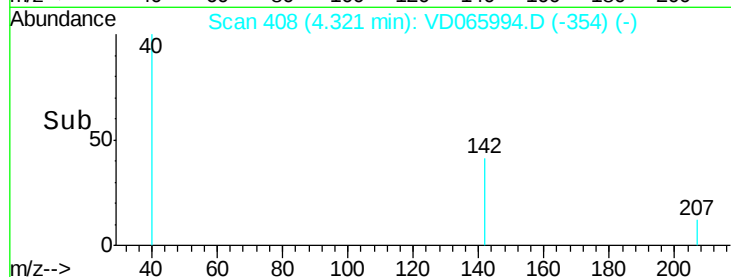
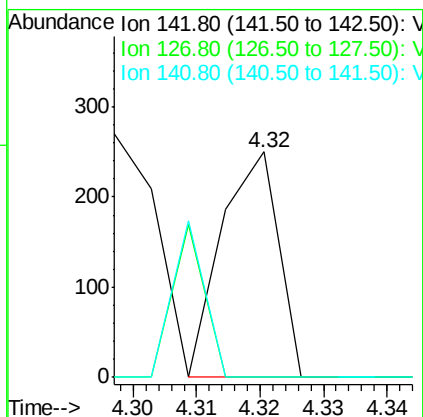
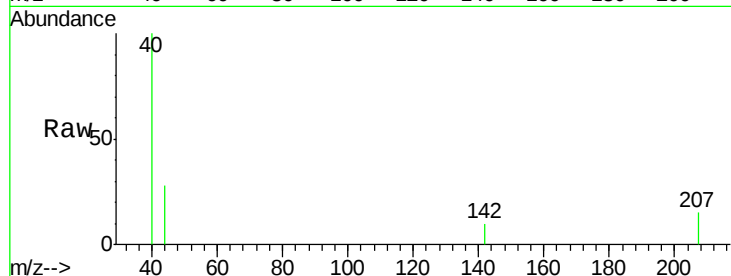




#10
Methyl Iodide
Concen: 8.852 ug/l
RT: 4.32 min Scan# 408
Delta R.T. 0.02 min
Lab File: VD065994.D
Acq: 22 Jul 2020 11:46

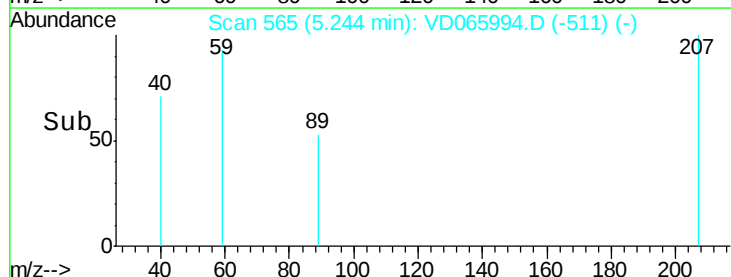
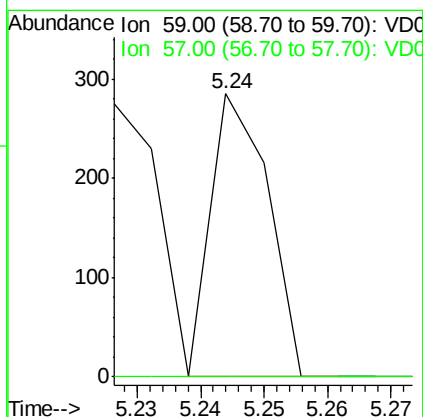
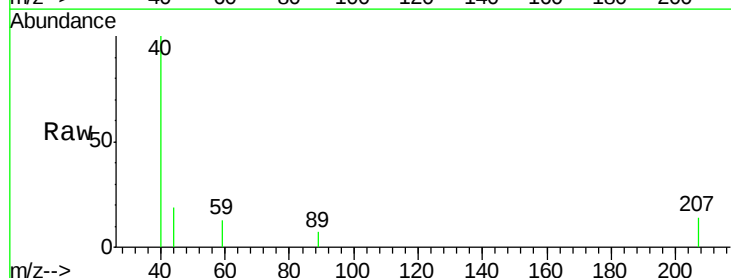
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBL01

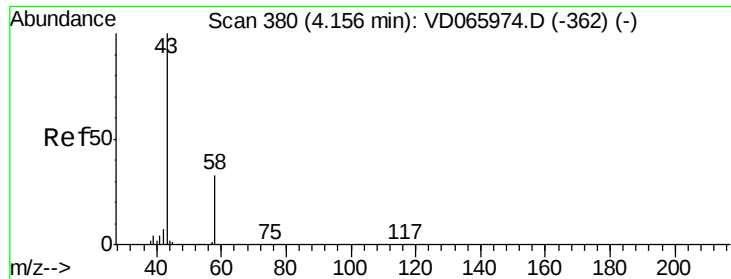
Tgt Ion: 142 Resp: 154
Ion Ratio Lower Upper
142 100
127 39.0 32.9 49.3
141 39.6 11.8 17.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.24 min Scan# 565
Delta R.T. 0.02 min
Lab File: VD065994.D
Acq: 22 Jul 2020 11:46

Tgt Ion: 59 Resp: 177
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#





#16

Acetone

Concen: 3.996 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065994.D

Acq: 22 Jul 2020 11:46

Instrument :

MSVOA_D

ClientSampleId :

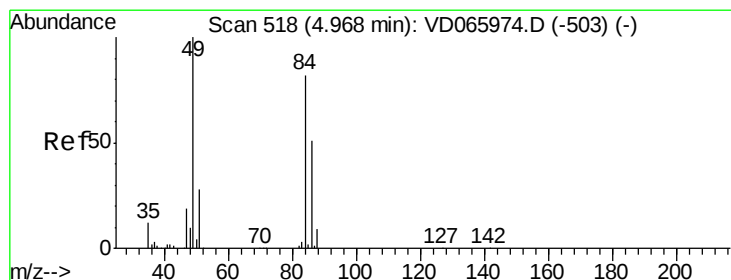
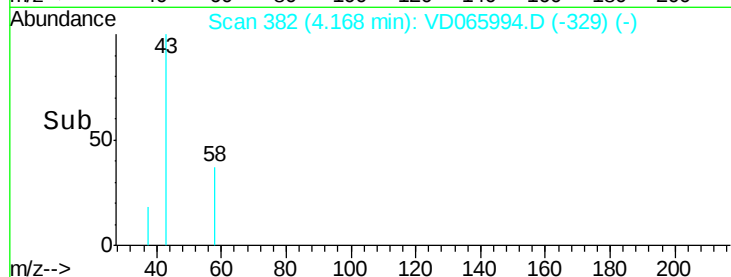
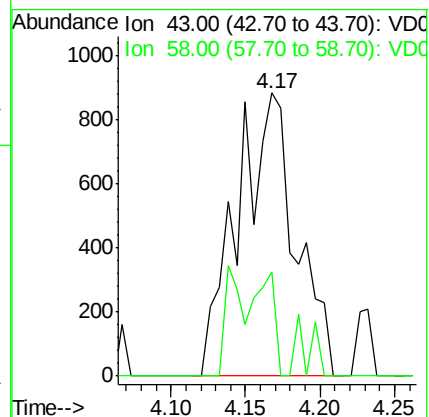
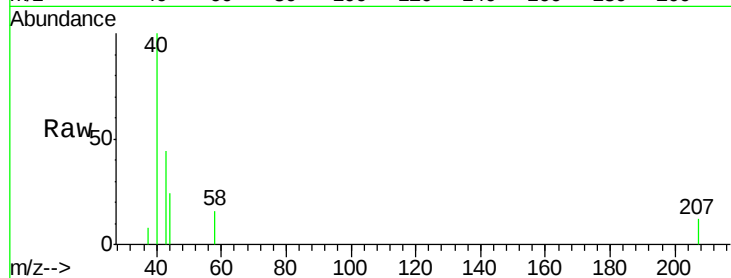
VD0722SBL01

Tgt Ion: 43 Resp: 2399

Ion Ratio Lower Upper

43 100

58 36.7 26.3 39.5



#20

Methylene Chloride

Concen: 4.601 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065994.D

Acq: 22 Jul 2020 11:46

Tgt Ion: 84 Resp: 24212

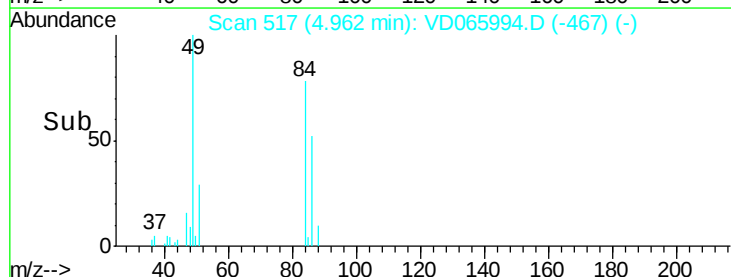
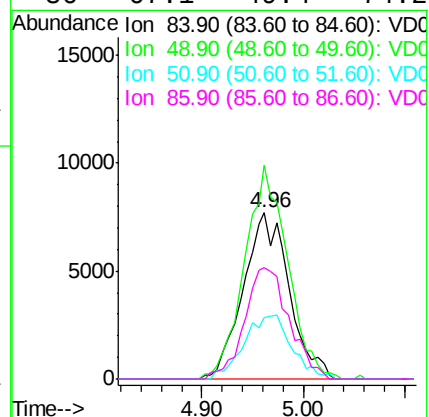
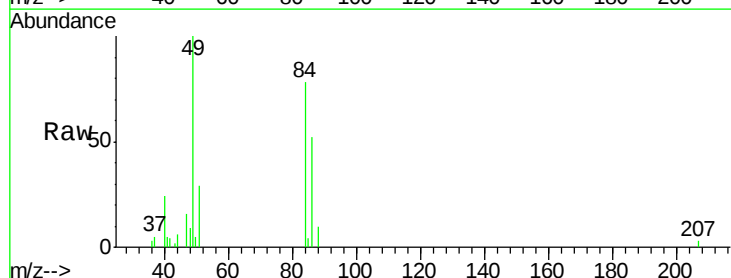
Ion Ratio Lower Upper

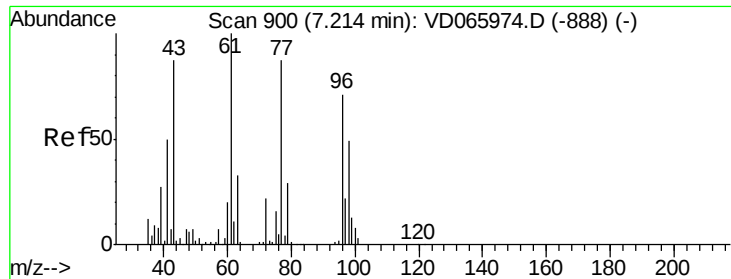
84 100

49 128.7 97.7 146.5

51 37.1 27.4 41.2

86 67.1 49.4 74.2

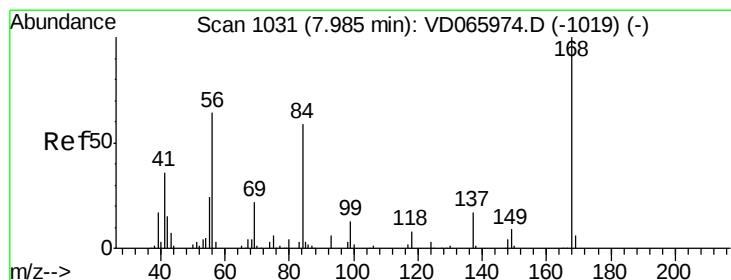
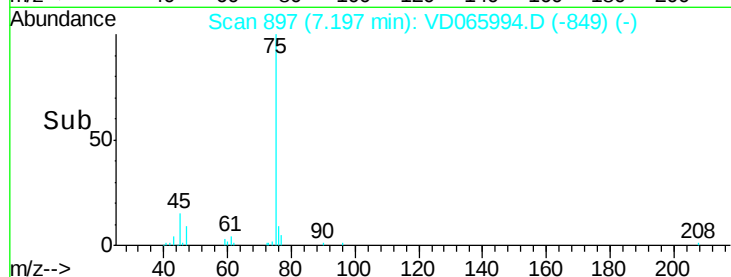
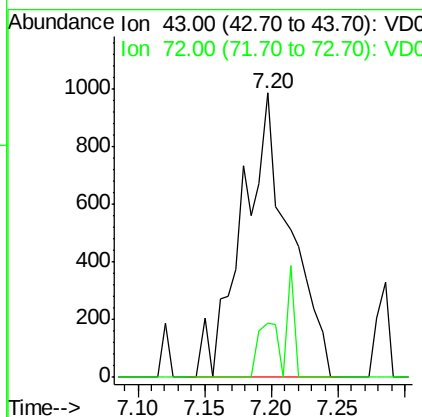
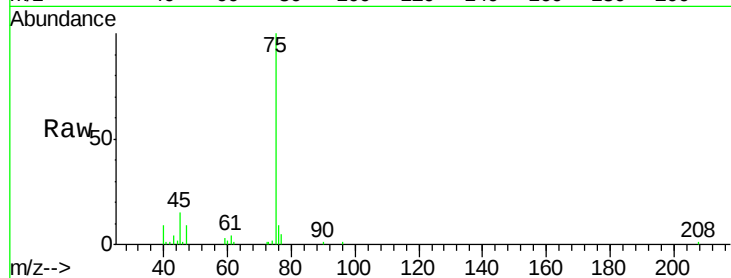




#25
2-Butanone
Concen: 3.051 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.02 min
Lab File: VD065994.D
Acq: 22 Jul 2020 11:46

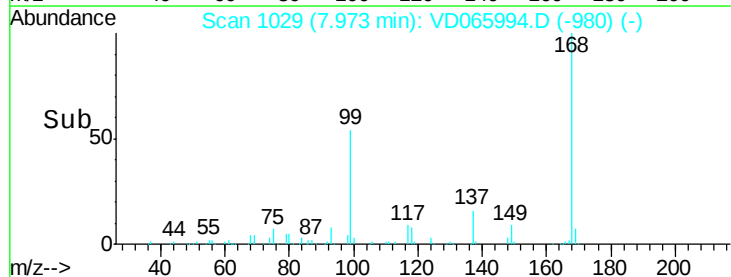
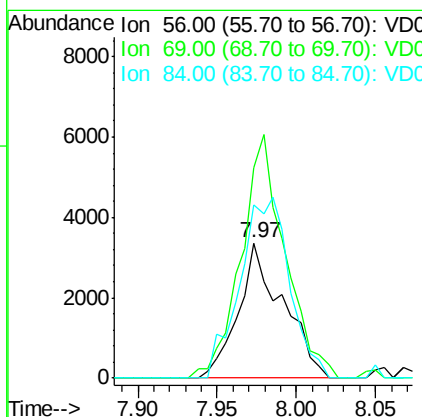
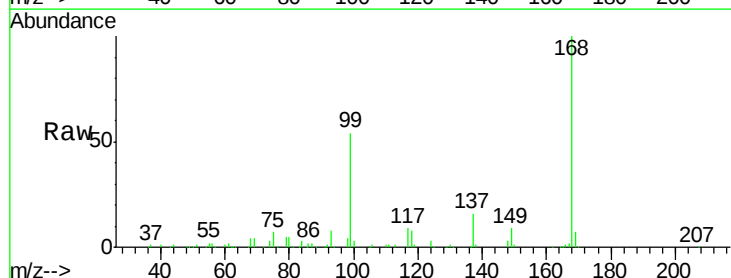
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBL01

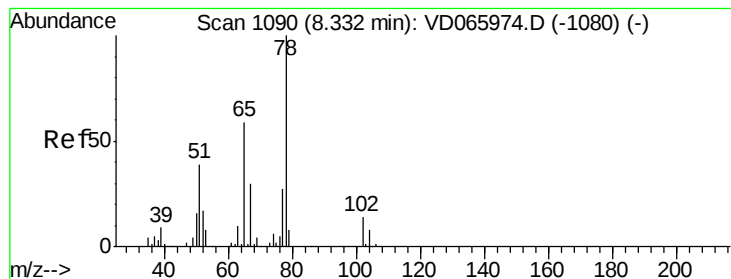
Tgt Ion: 43 Resp: 2431
Ion Ratio Lower Upper
43 100
72 18.9 20.2 30.2#



#31
Cyclohexane
Concen: 1.224 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD065994.D
Acq: 22 Jul 2020 11:46

Tgt Ion: 56 Resp: 6529
Ion Ratio Lower Upper
56 100
69 155.6 28.0 42.0#
84 128.1 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 53.842 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065994.D

Acq: 22 Jul 2020 11:46

Instrument :

MSVOA_D

ClientSampleId :

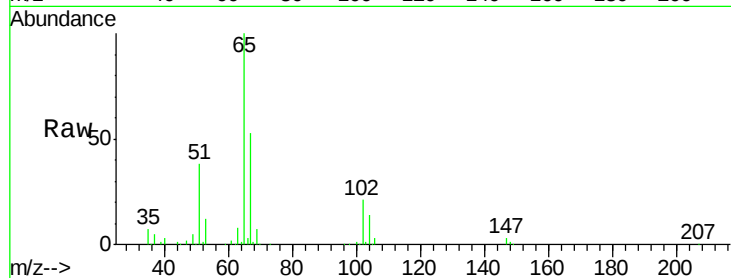
VD0722SBL01

Tgt Ion: 65 Resp: 159712

Ion Ratio Lower Upper

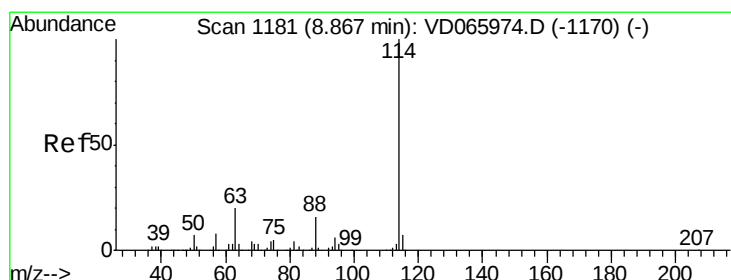
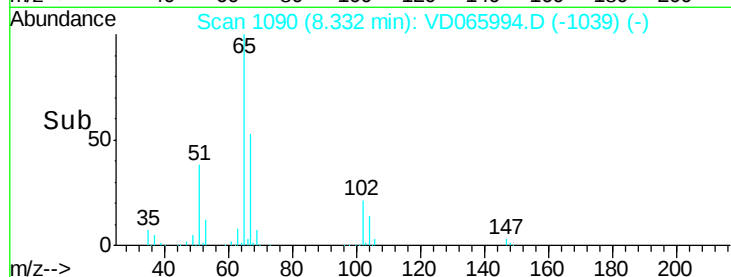
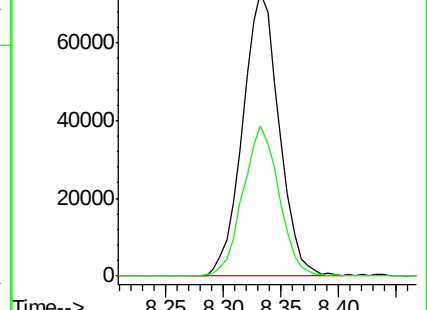
65 100

67 52.5 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065994.D

Acq: 22 Jul 2020 11:46

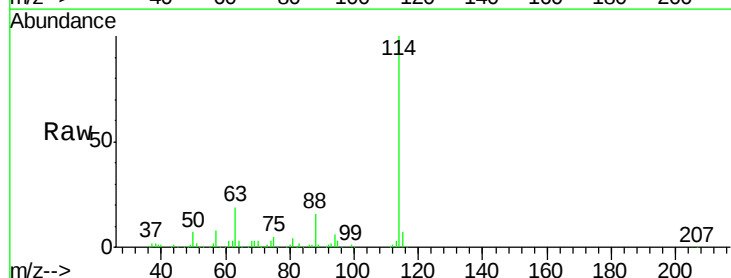
Tgt Ion: 114 Resp: 539746

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

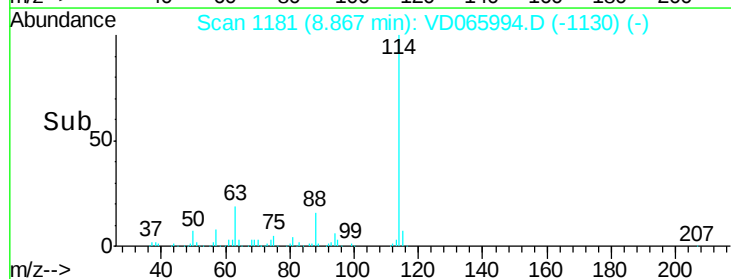
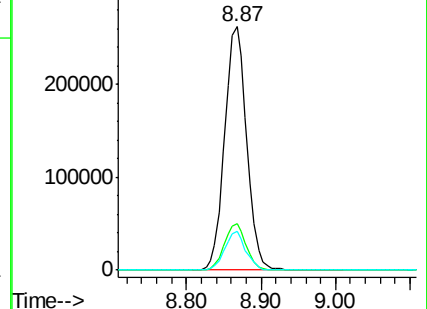
88 16.0 0.0 31.2

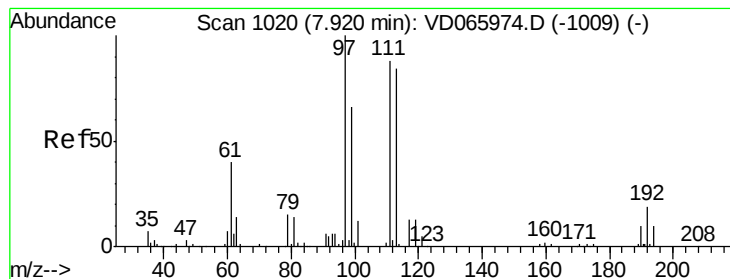


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 51.442 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065994.D

Acq: 22 Jul 2020 11:46

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBL01

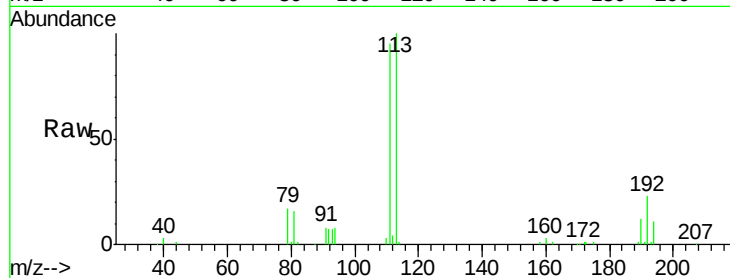
Tgt Ion:113 Resp: 168408

Ion Ratio Lower Upper

113 100

111 101.8 83.2 124.8

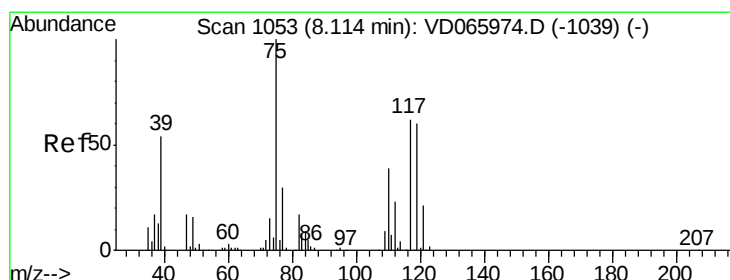
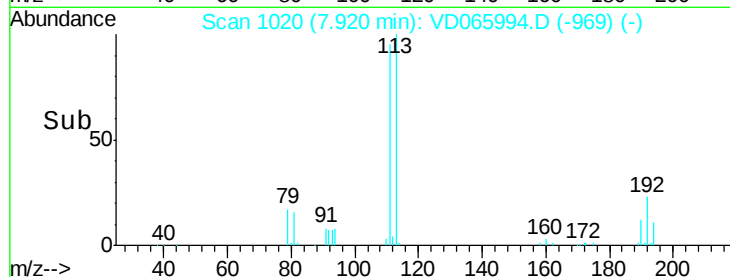
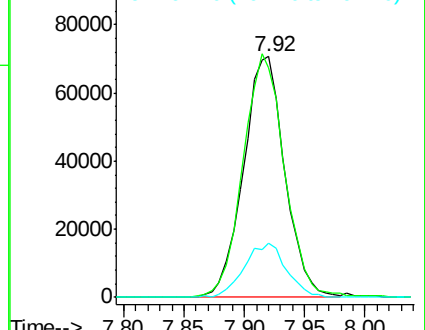
192 23.0 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.369 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD065994.D

Acq: 22 Jul 2020 11:46

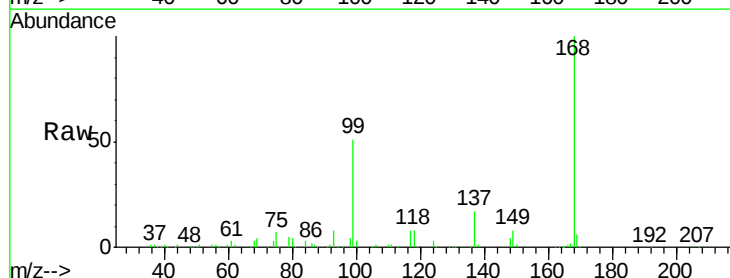
Tgt Ion: 75 Resp: 24733

Ion Ratio Lower Upper

75 100

110 8.9 19.5 58.5#

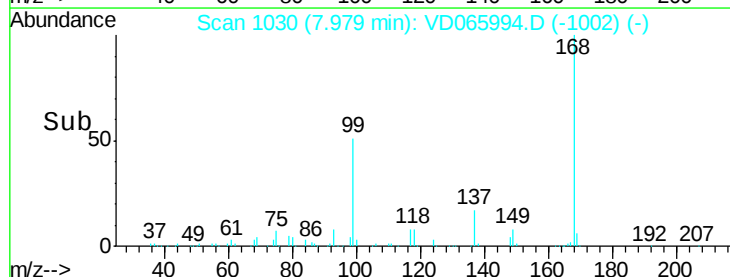
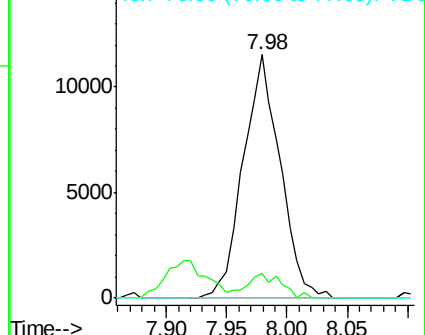
77 0.0 24.7 37.1#

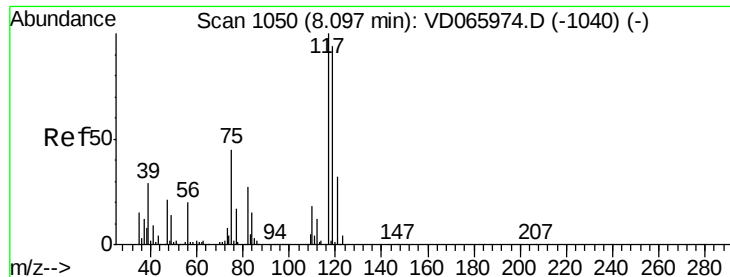


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

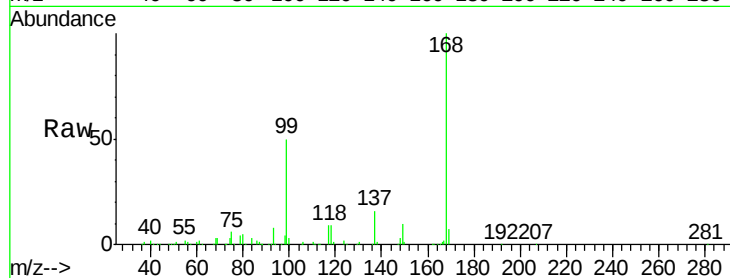




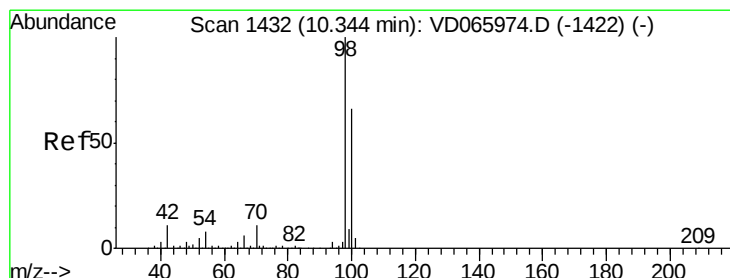
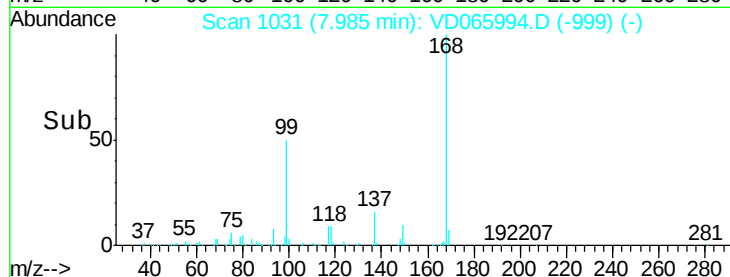
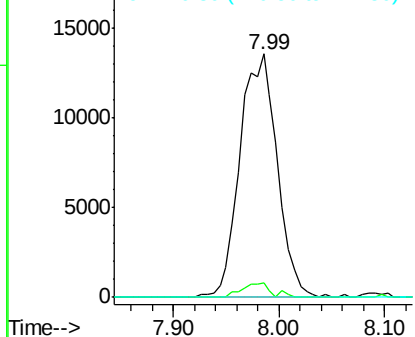
#38
Carbon Tetrachloride
Concen: 6.637 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065994.D
Acq: 22 Jul 2020 11:46

Instrument :
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ClientSampleId :
VD0722SBL01

Tgt Ion:117 Resp: 33173
Ion Ratio Lower Upper
117 100
119 6.0 75.0 112.6#
121 0.0 25.5 38.3#

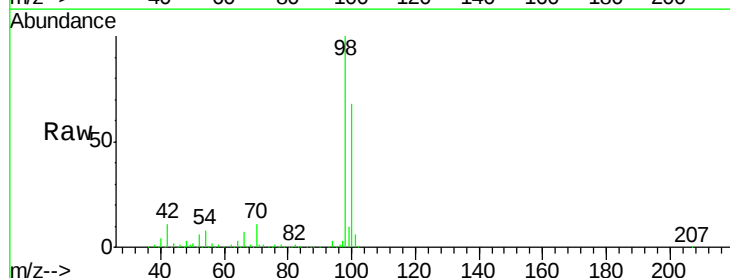


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

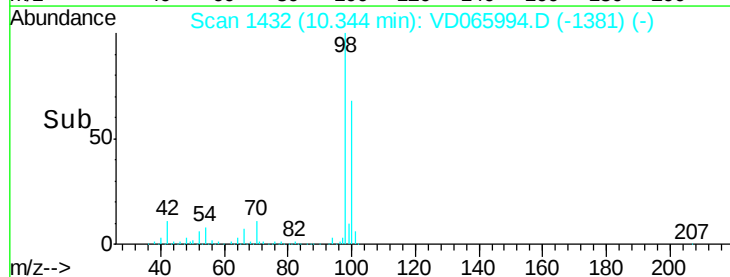
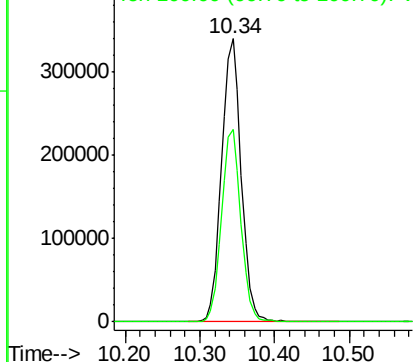


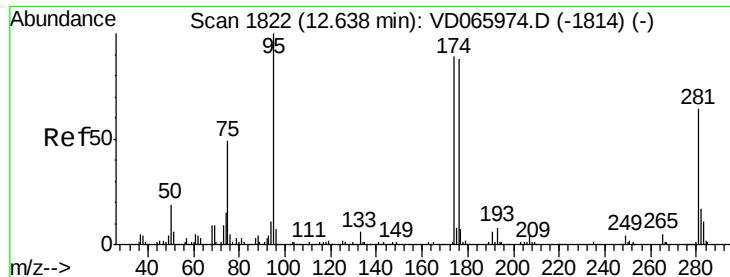
#50
Toluene-d8
Concen: 51.072 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065994.D
Acq: 22 Jul 2020 11:46

Tgt Ion: 98 Resp: 622853
Ion Ratio Lower Upper
98 100
100 66.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

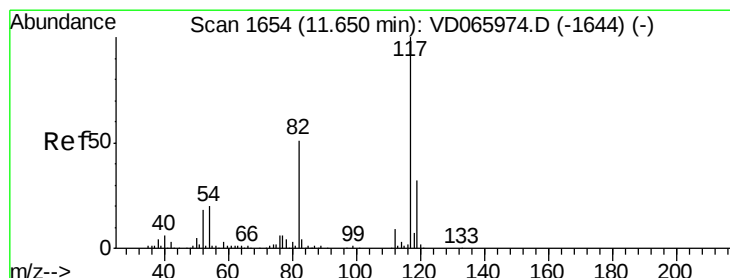
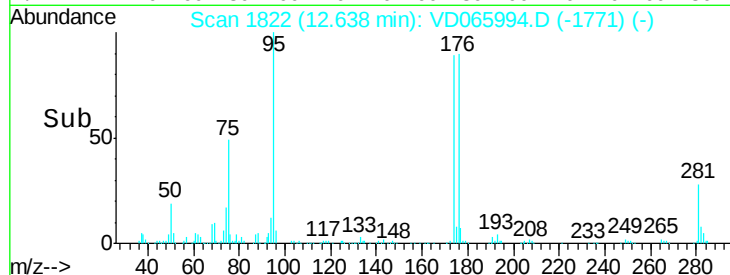
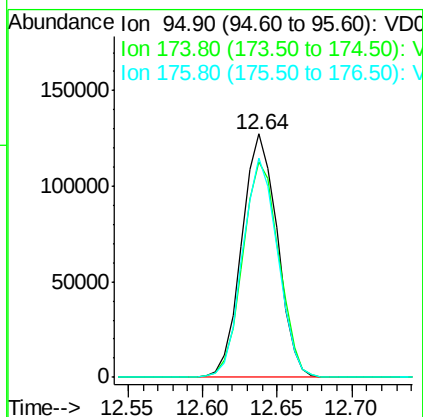
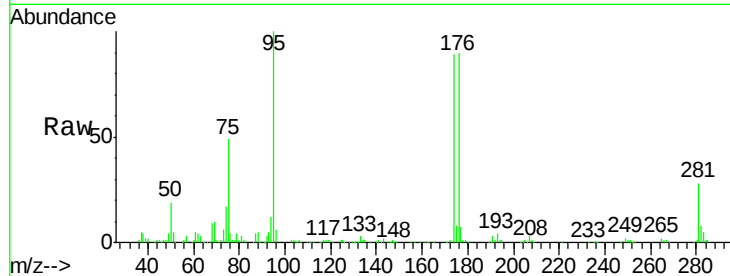




#62
4-Bromofluorobenzene
Concen: 49.658 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065994.D
Acq: 22 Jul 2020 11:46

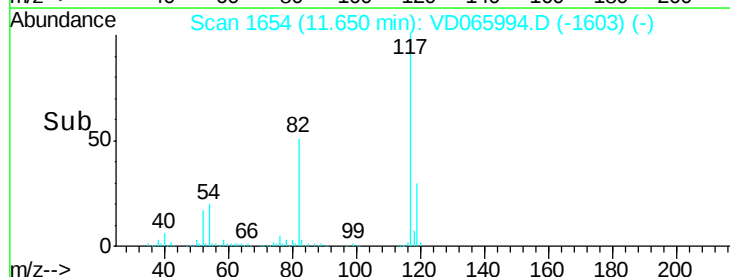
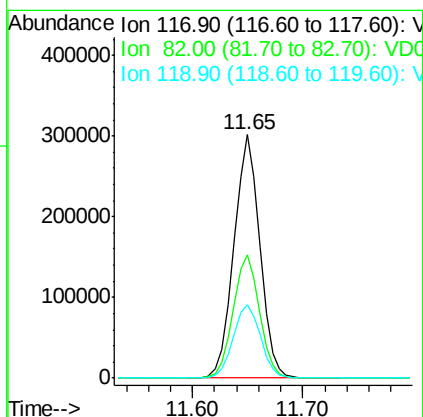
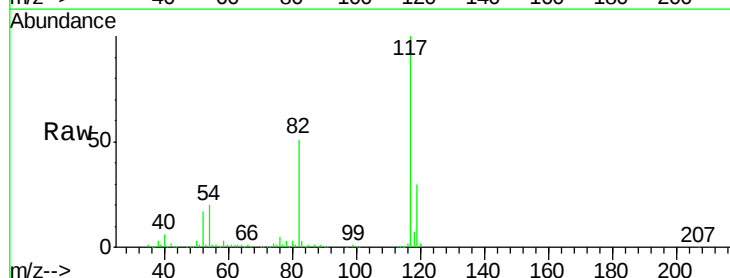
Instrument :
MSVOA_D
ClientSampleId :
VD0722SBL01

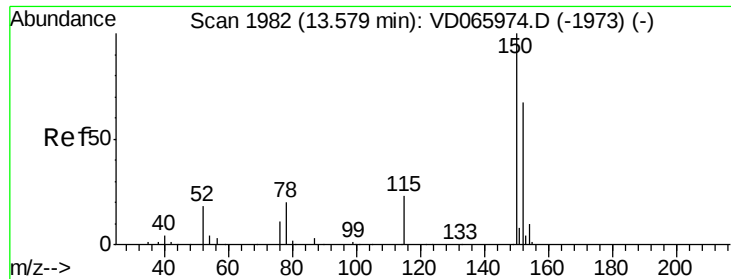
Tgt Ion: 95 Resp: 209985
Ion Ratio Lower Upper
95 100
174 90.3 0.0 178.8
176 88.9 0.0 172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065994.D
Acq: 22 Jul 2020 11:46

Tgt Ion: 117 Resp: 497458
Ion Ratio Lower Upper
117 100
82 50.7 41.1 61.7
119 30.2 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065994.D

Acq: 22 Jul 2020 11:46

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBL01

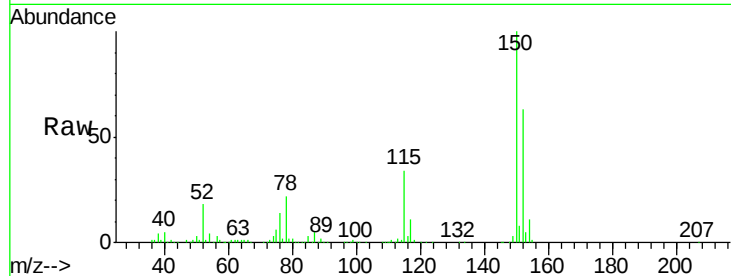
Tgt Ion: 152 Resp: 244431

Ion Ratio Lower Upper

152 100

115 54.1 27.9 83.7

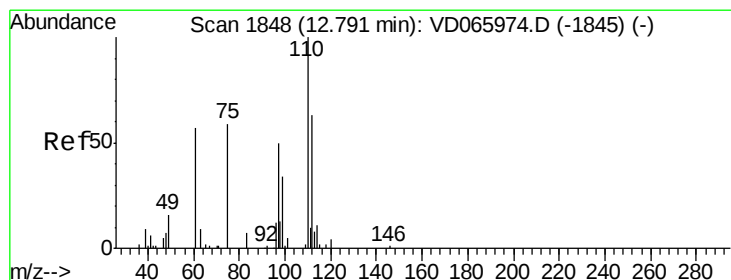
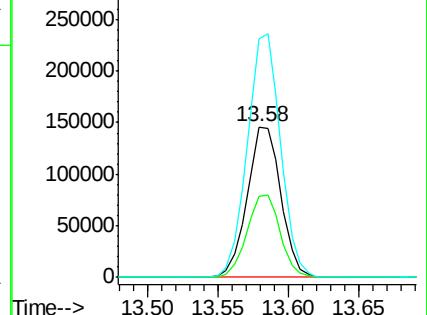
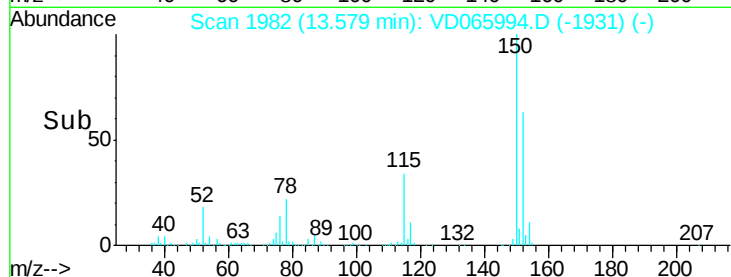
150 159.2 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 55.606 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065994.D

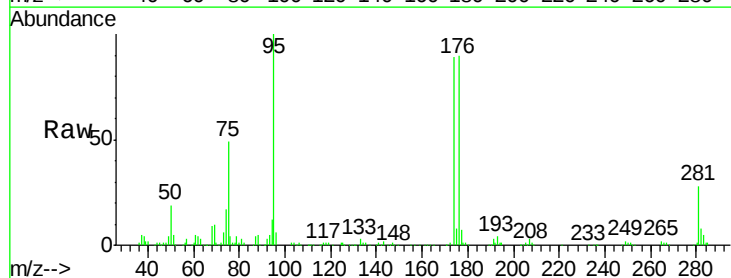
Acq: 22 Jul 2020 11:46

Tgt Ion: 75 Resp: 102339

Ion Ratio Lower Upper

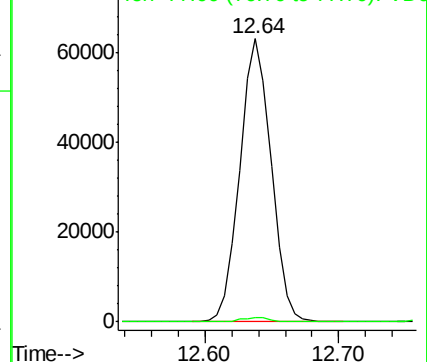
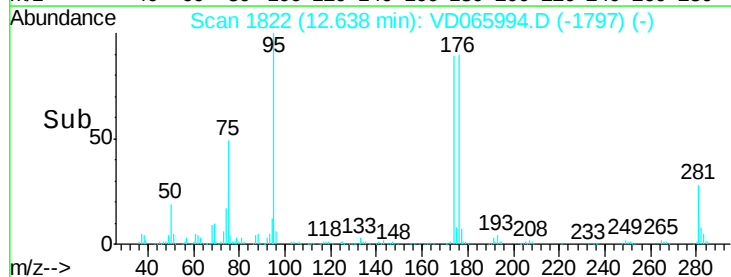
75 100

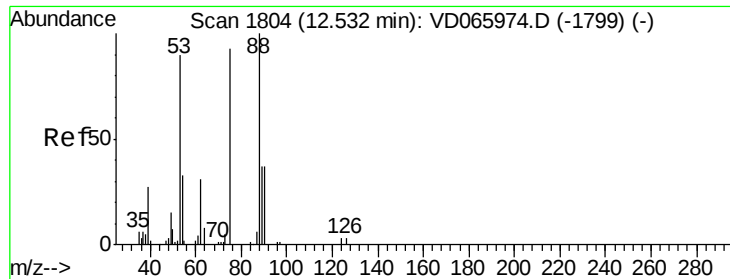
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 127.596 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065994.D

Acq: 22 Jul 2020 11:46

Instrument :

MSVOA_D

ClientSampleId :

VD0722SBL01

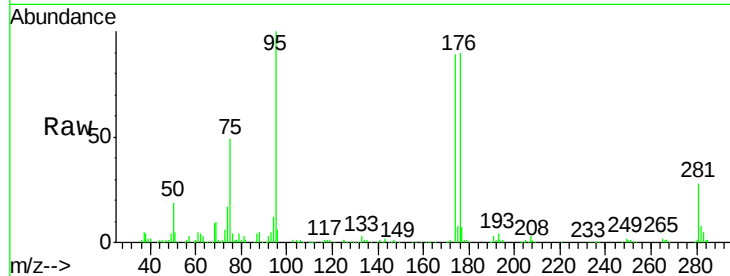
Tgt Ion: 75 Resp: 102339

Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

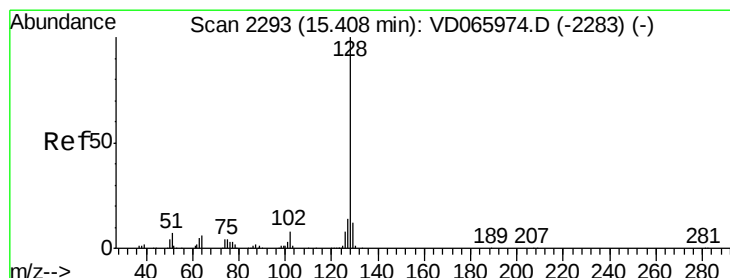
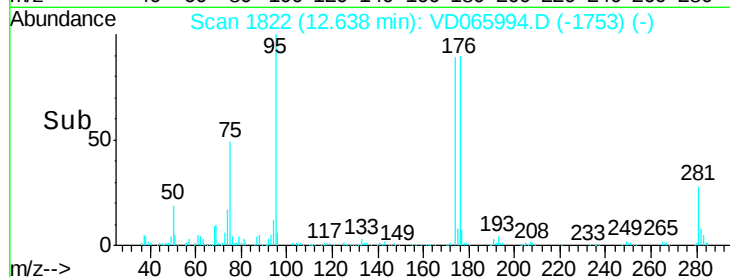
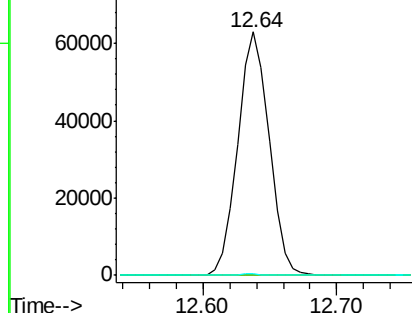
89 0.4 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#95

Naphthalene

Concen: 3.727 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD065994.D

Acq: 22 Jul 2020 11:46

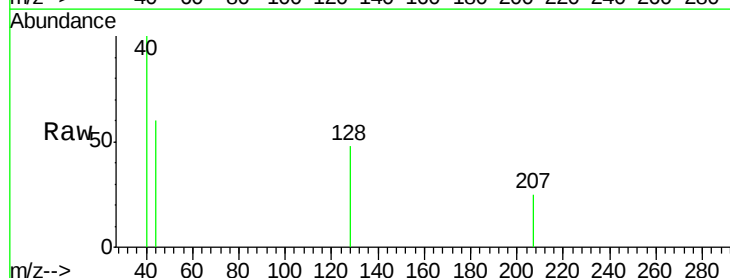
Tgt Ion: 128 Resp: 1500

Ion Ratio Lower Upper

128 100

127 7.8 10.8 16.2#

129 10.7 8.9 13.3



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

