

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072120\
 Data File : VD065980.D
 Acq On : 21 Jul 2020 15:17
 Operator : VA/SY
 Sample : L3188-13RE
 Misc : 7.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-071620

Quant Time: Jul 21 16:48:02 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	330654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	581798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	583737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	296639	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	151036	56.14	ug/l	0.00
Spiked Amount			Recovery	=	112.28%	
35) Dibromofluoromethane	7.92	113	175420	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
50) Toluene-d8	10.34	98	694923	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
62) 4-Bromofluorobenzene	12.64	95	263215	57.75	ug/l	0.00
Spiked Amount			Recovery	=	115.50%	

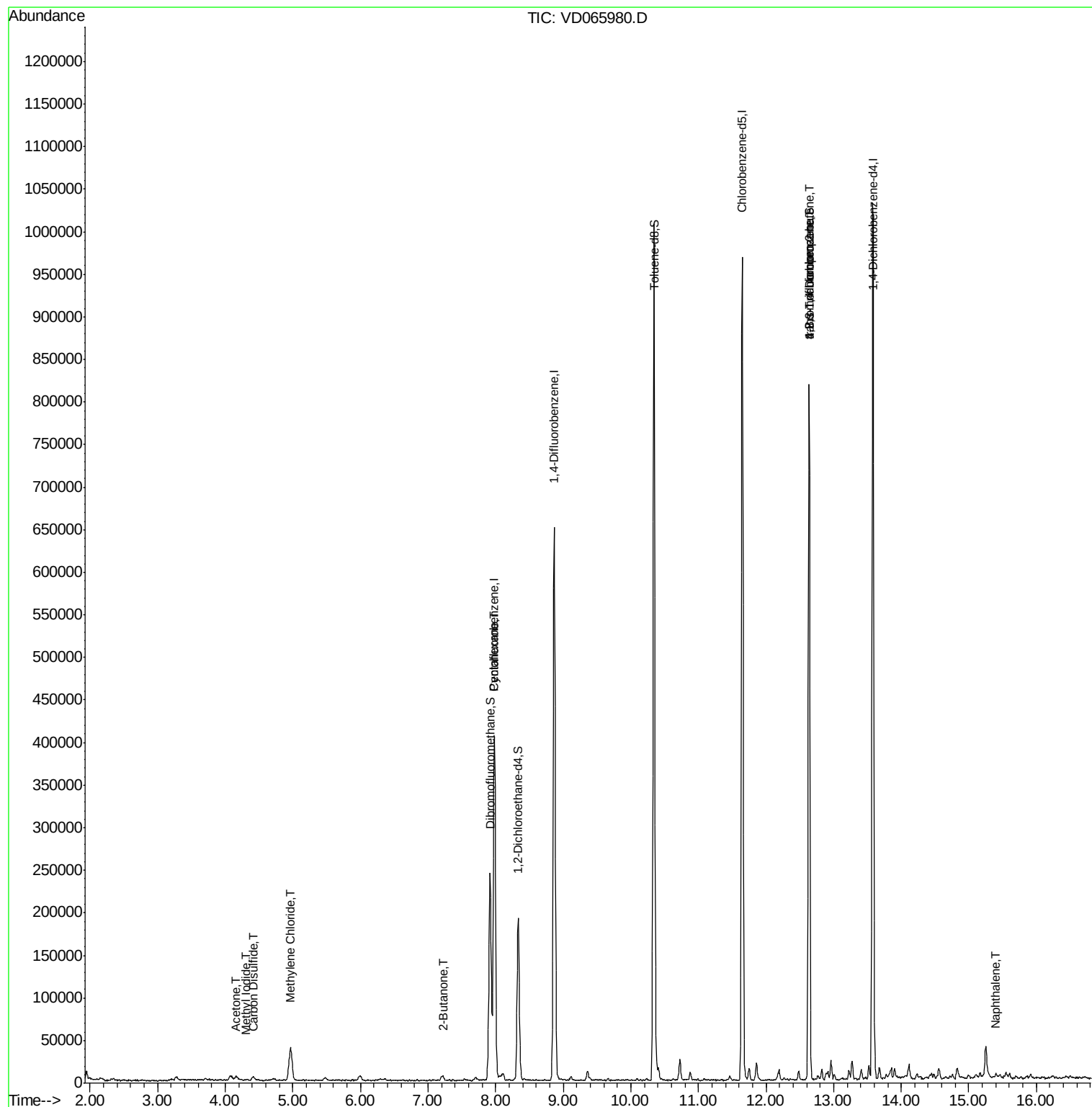
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	604	Below Cal	#	72
10) Methyl Iodide	4.30	142	1234	9.164	ug/l	94
11) Tert butyl alcohol	5.20	59	55	Below Cal	#	83
16) Acetone	4.16	43	8617	15.823	ug/l #	87
17) Carbon Disulfide	4.41	76	9653	1.089	ug/l	95
20) Methylene Chloride	4.97	84	32044	8.160	ug/l	92
25) 2-Butanone	7.21	43	1846	2.555	ug/l #	50
31) Cyclohexane	7.98	56	8674	1.792	ug/l #	55
76) 1,2,3-Trichloropropane	12.64	75	124780	55.866	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	124780	128.194	ug/l #	11
95) Naphthalene	15.41	128	4989	4.039	ug/l #	79

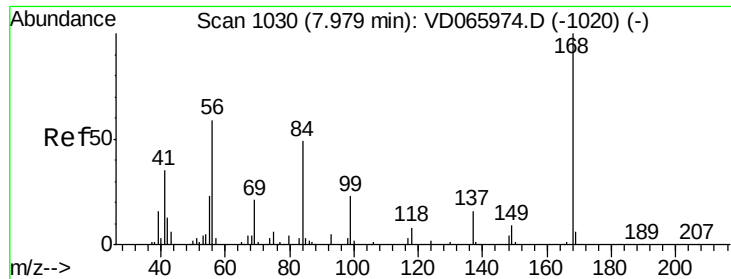
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD072120\
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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: VD065980.D

Acq: 21 Jul 2020 15:17

Instrument :

MSVOA_D

ClientSampleId :

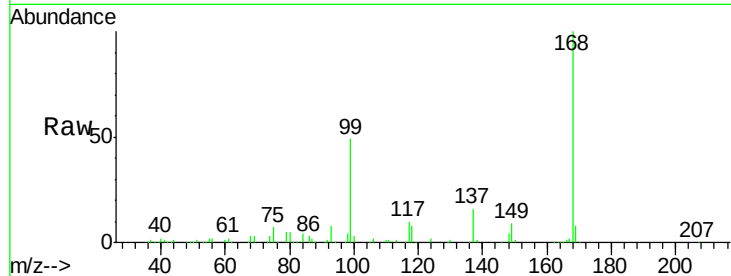
TR-04-071620

Tgt Ion:168 Resp: 330654

Ion Ratio Lower Upper

168 100

99 49.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

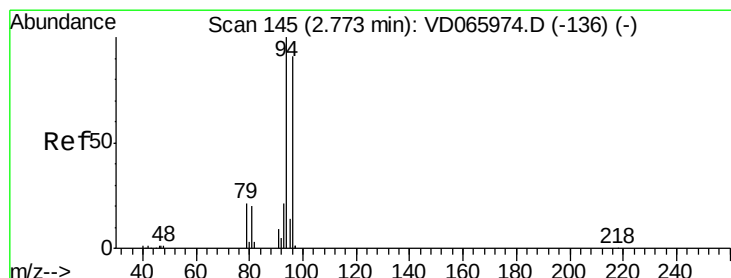
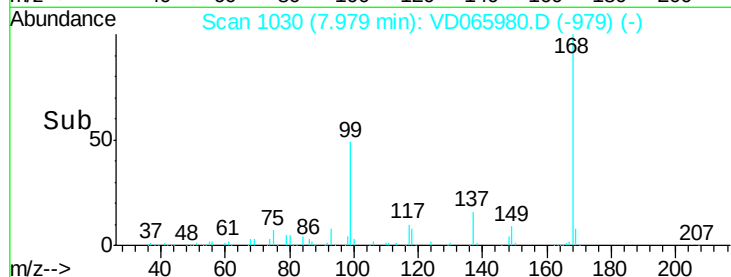
100000

50000

0

7.90 8.00 8.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065980.D

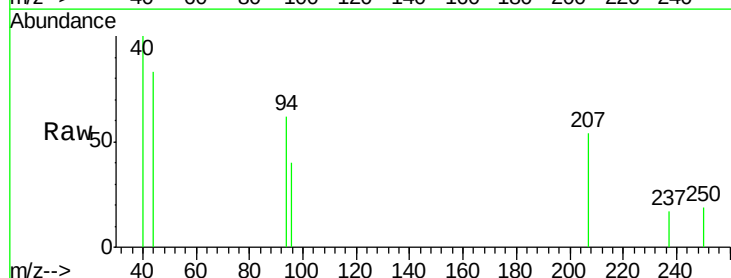
Acq: 21 Jul 2020 15:17

Tgt Ion: 94 Resp: 604

Ion Ratio Lower Upper

94 100

96 65.1 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

600

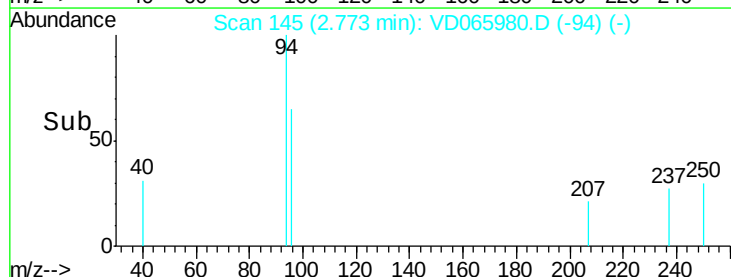
400

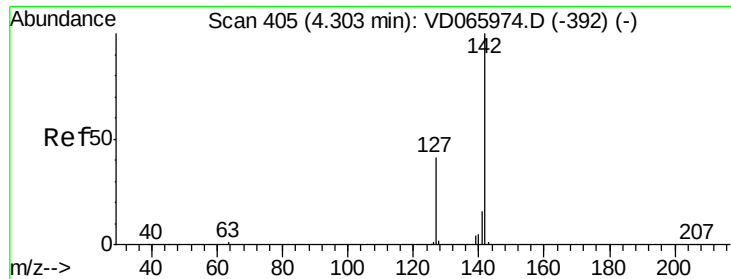
200

0

2.74 2.76 2.78

Time-->

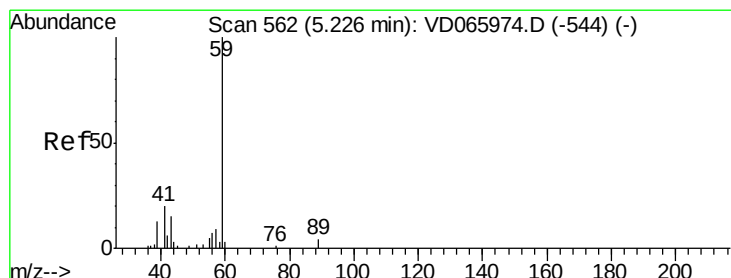
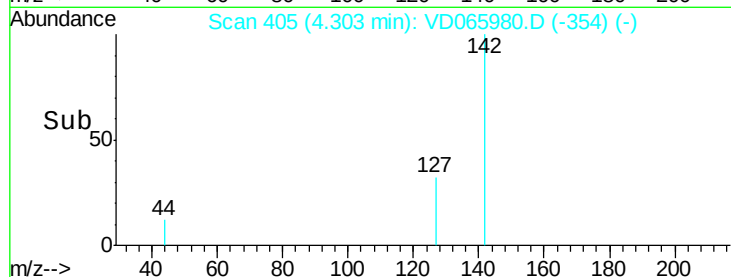
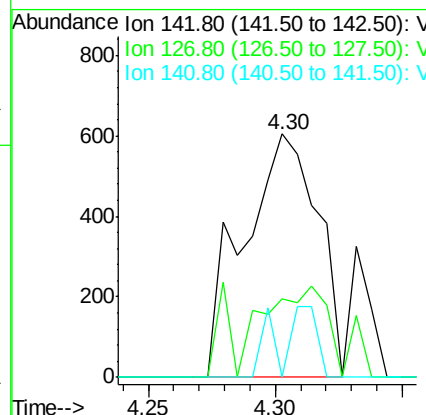
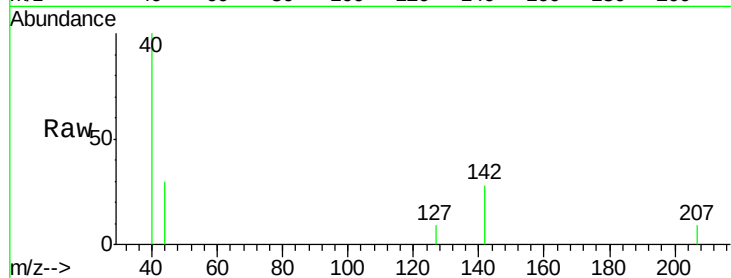




#10
Methyl Iodide
Concen: 9.164 ug/l
RT: 4.30 min Scan# 405
Delta R.T. 0.00 min
Lab File: VD065980.D
Acq: 21 Jul 2020 15:17

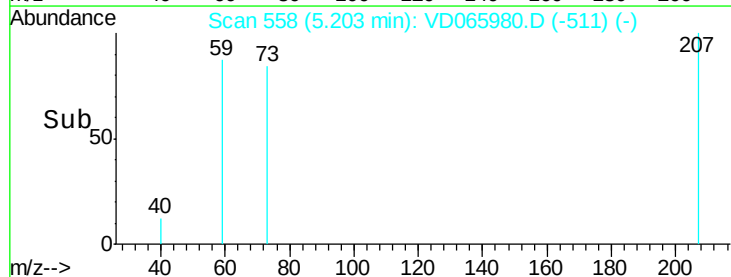
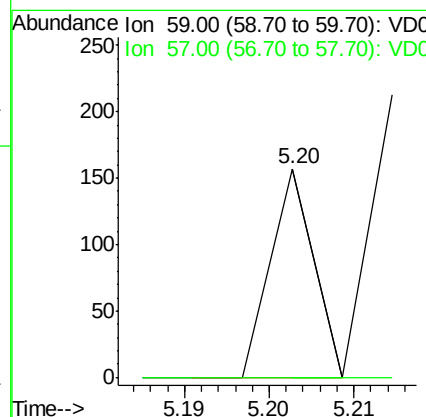
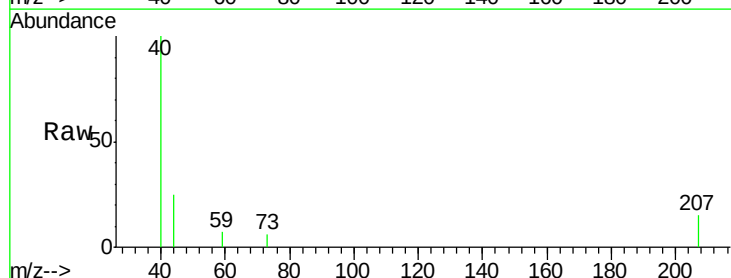
Instrument :
MSVOA_D
ClientSampleId :
TR-04-071620

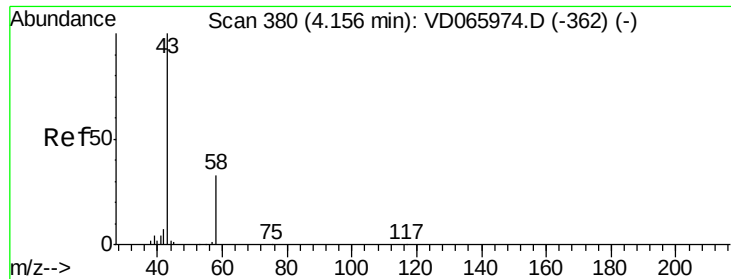
Tgt Ion:142 Resp: 1234
Ion Ratio Lower Upper
142 100
127 36.2 32.9 49.3
141 15.1 11.8 17.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD065980.D
Acq: 21 Jul 2020 15:17

Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#





#16

Acetone

Concen: 15.823 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065980.D

Acq: 21 Jul 2020 15:17

Instrument :

MSVOA_D

ClientSampleId :

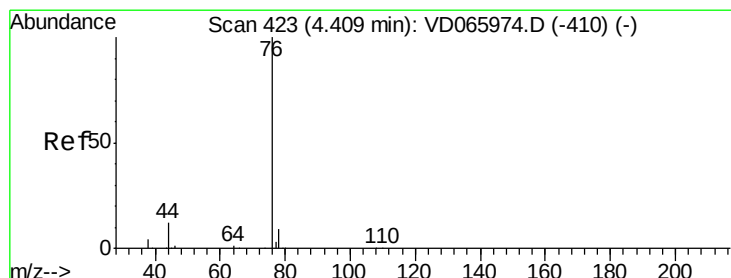
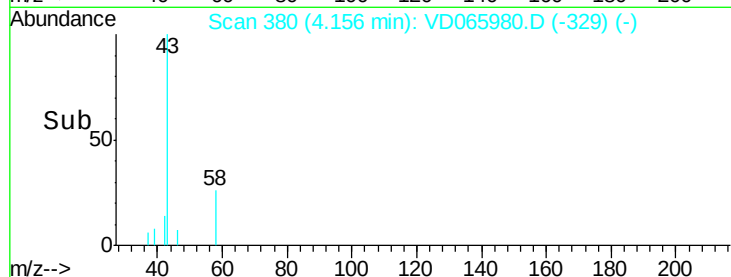
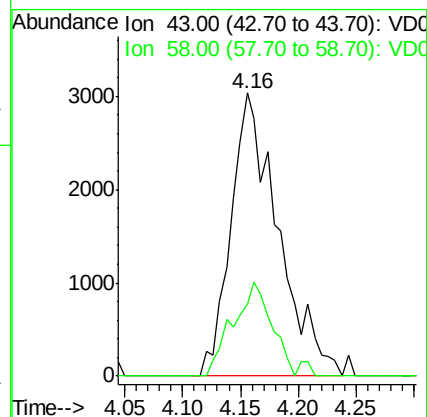
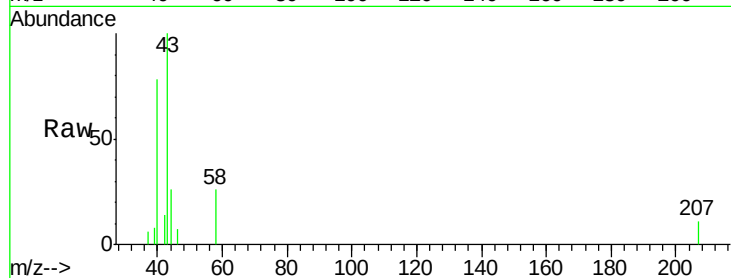
TR-04-071620

Tgt Ion: 43 Resp: 8617

Ion Ratio Lower Upper

43 100

58 25.7 26.3 39.5#



#17

Carbon Disulfide

Concen: 1.089 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD065980.D

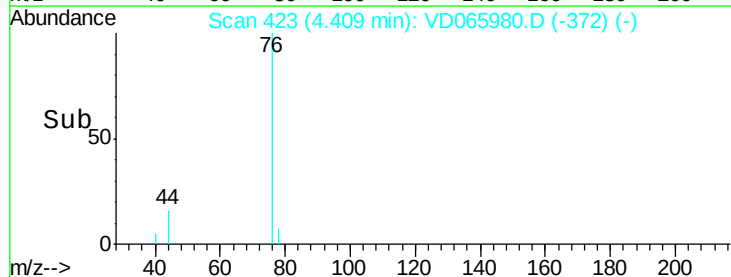
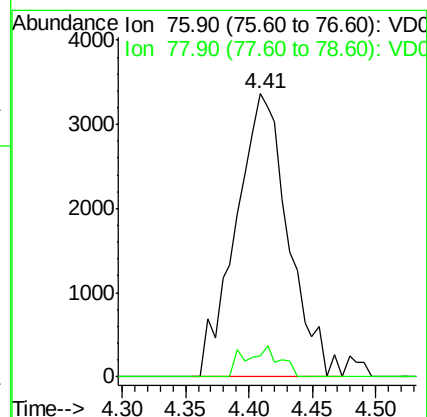
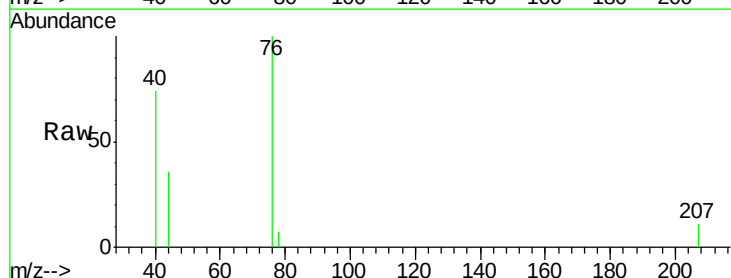
Acq: 21 Jul 2020 15:17

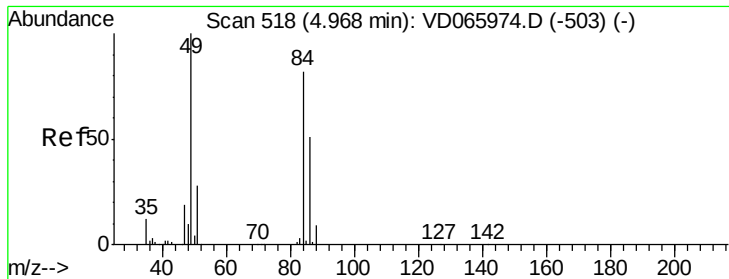
Tgt Ion: 76 Resp: 9653

Ion Ratio Lower Upper

76 100

78 7.5 7.4 11.2

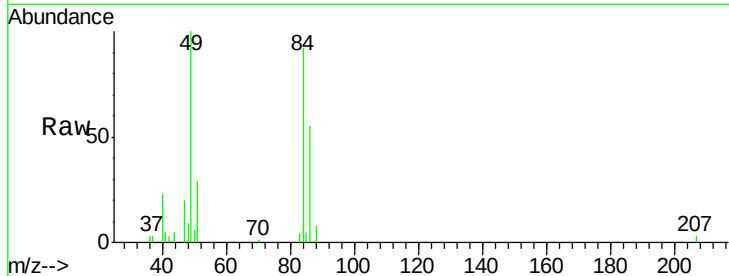




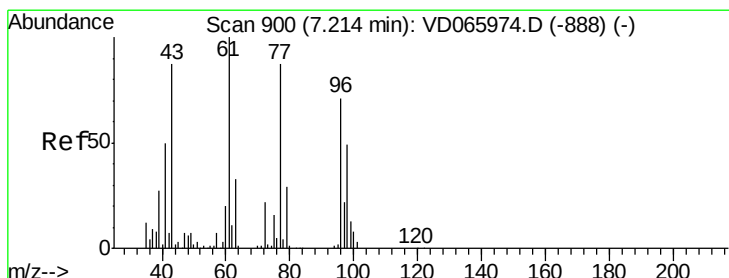
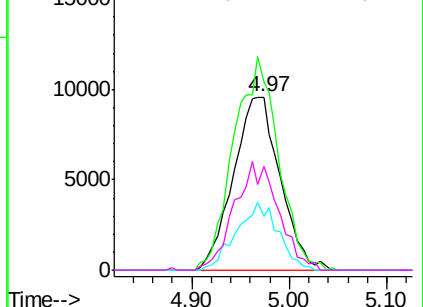
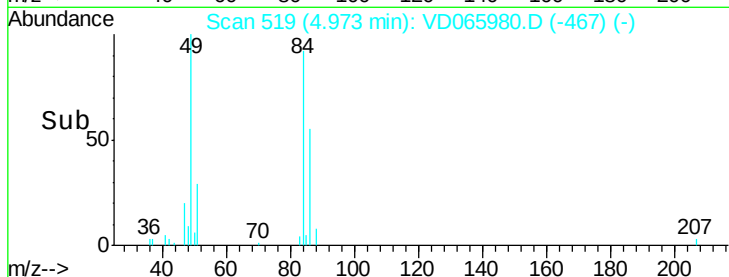
#20
Methylene Chloride
Concen: 8.160 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065980.D
Acq: 21 Jul 2020 15:17

Instrument :
MSVOA_D
ClientSampleId :
TR-04-071620

Tgt Ion: 84 Resp: 32044
Ion Ratio Lower Upper
84 100
49 108.6 97.7 146.5
51 31.3 27.4 41.2
86 60.0 49.4 74.2

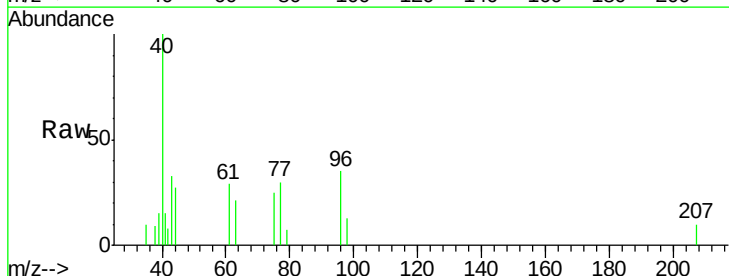


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

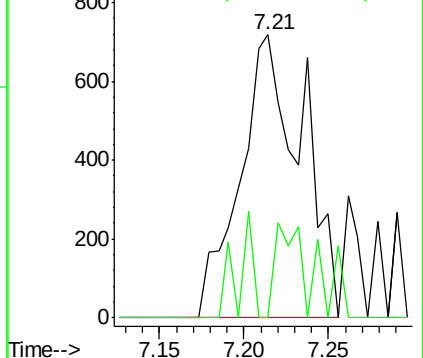
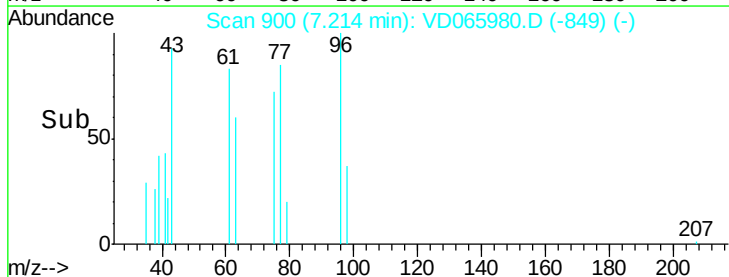


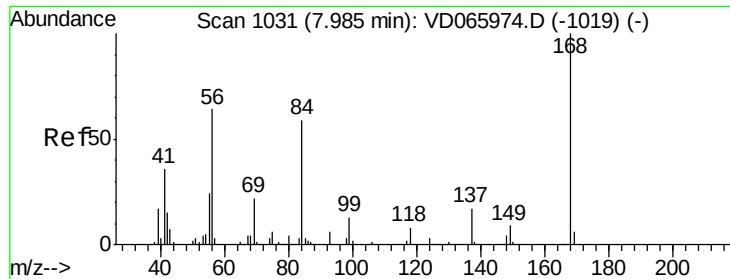
#25
2-Butanone
Concen: 2.555 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065980.D
Acq: 21 Jul 2020 15:17

Tgt Ion: 43 Resp: 1846
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

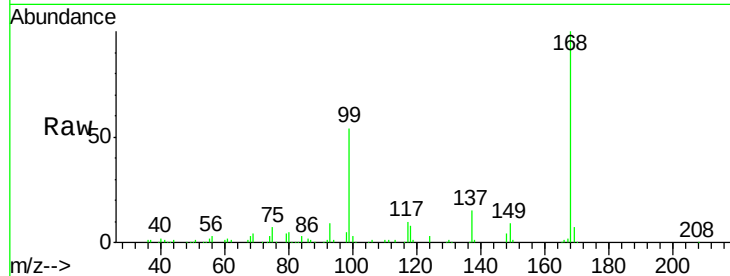




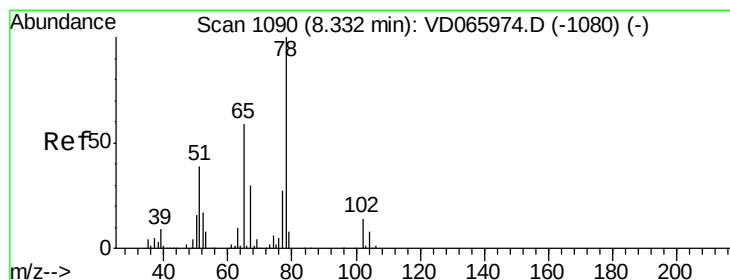
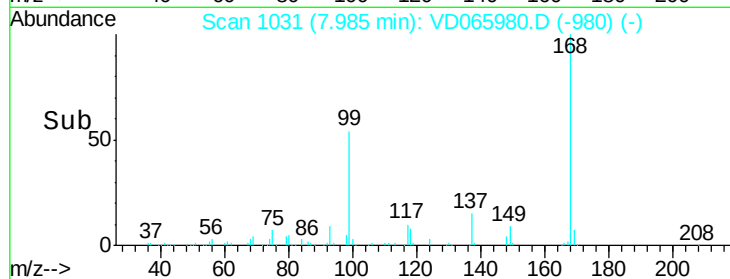
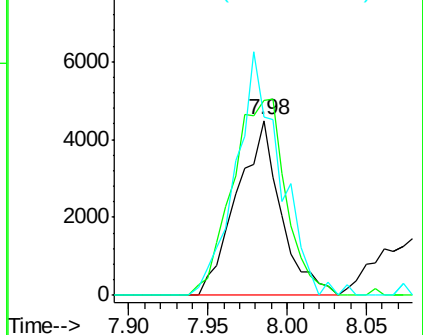
#31
Cyclohexane
Concen: 1.792 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065980.D
Acq: 21 Jul 2020 15:17

Instrument :
MSVOA_D
ClientSampleId :
TR-04-071620

Tgt Ion: 56 Resp: 8674
Ion Ratio Lower Upper
56 100
69 111.4 28.0 42.0#
84 101.8 72.6 109.0

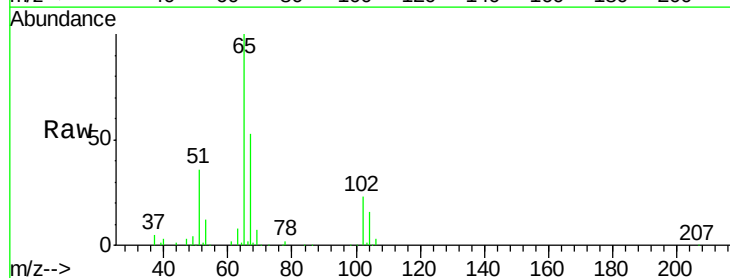


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

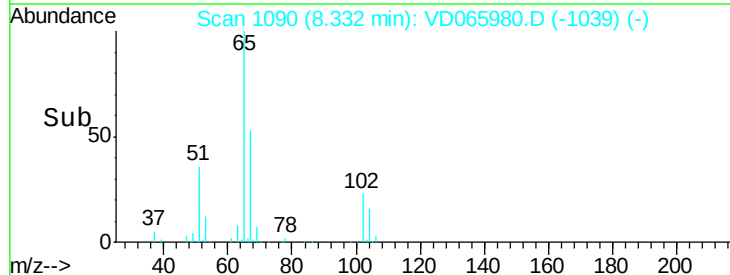
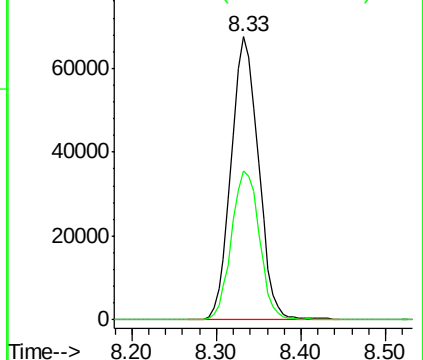


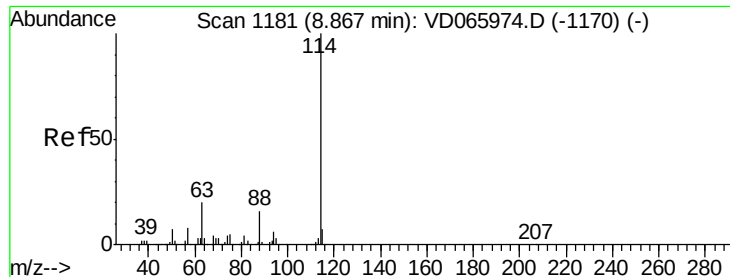
#33
1,2-Dichloroethane-d4
Concen: 56.137 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD065980.D
Acq: 21 Jul 2020 15:17

Tgt Ion: 65 Resp: 151036
Ion Ratio Lower Upper
65 100
67 53.1 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: VD065980.D

Acq: 21 Jul 2020 15:17

Instrument :

MSVOA_D

ClientSampleId :

TR-04-071620

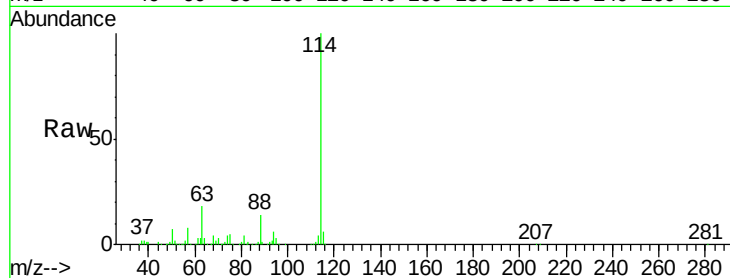
Tgt Ion:114 Resp: 581798

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

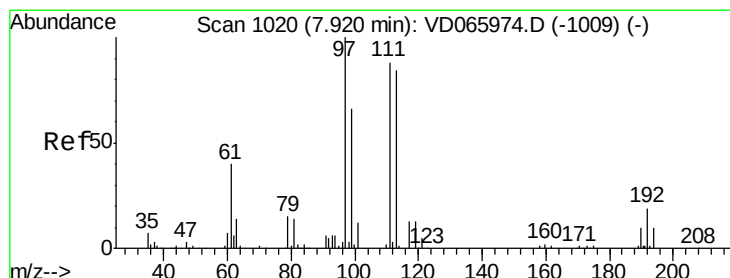
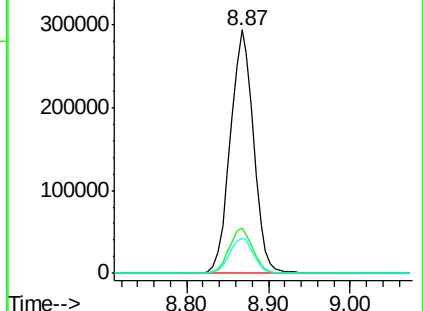
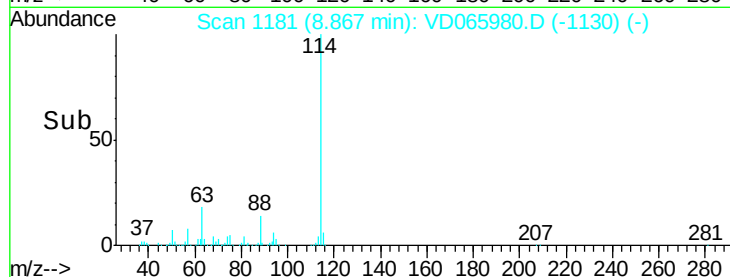
88 14.2 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 49.711 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065980.D

Acq: 21 Jul 2020 15:17

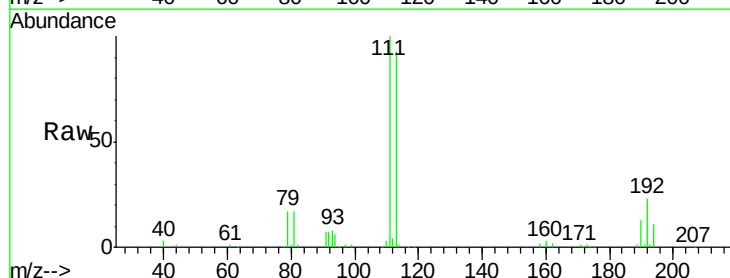
Tgt Ion:113 Resp: 175420

Ion Ratio Lower Upper

113 100

111 102.9 83.2 124.8

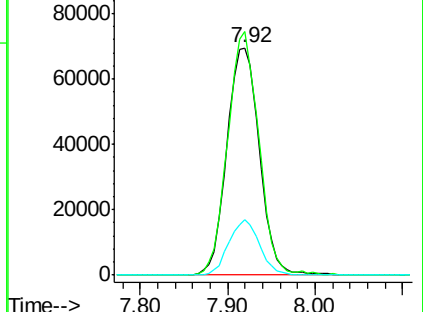
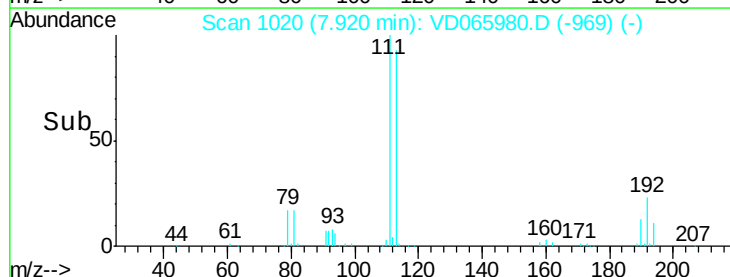
192 23.0 18.7 28.1

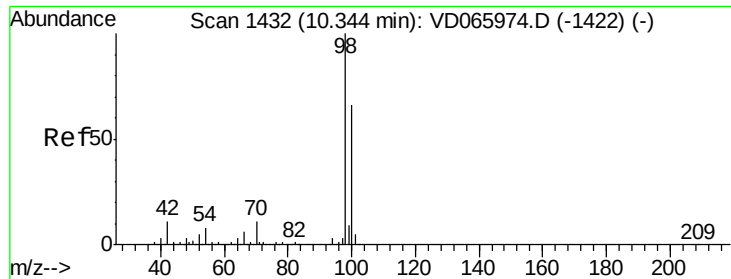


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

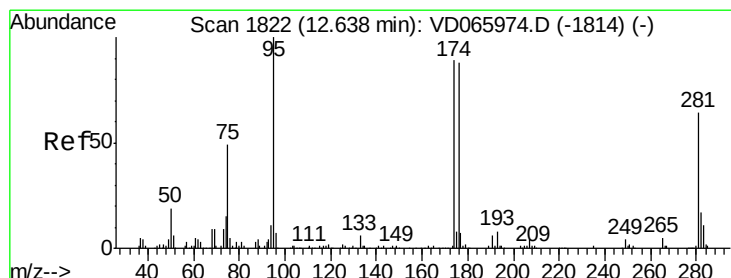
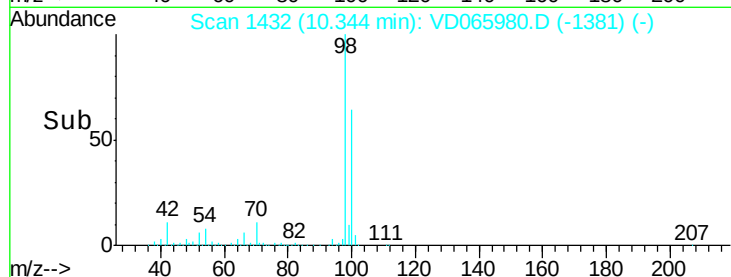
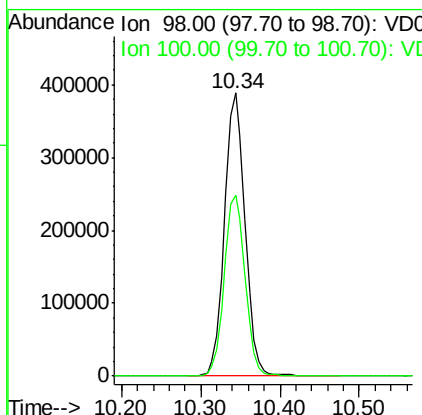
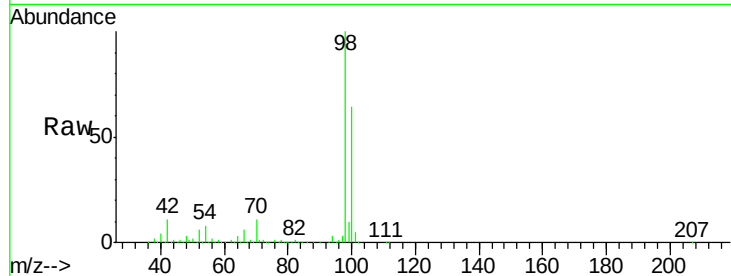




#50
Toluene-d8
Concen: 52.863 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065980.D
Acq: 21 Jul 2020 15:17

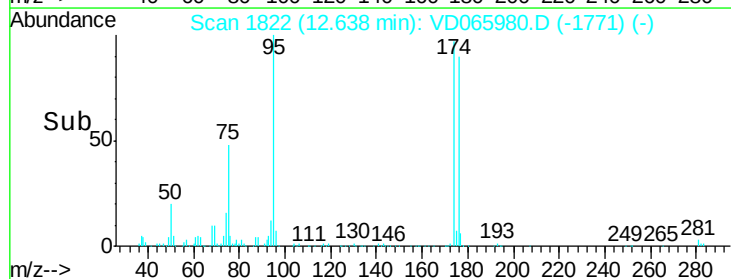
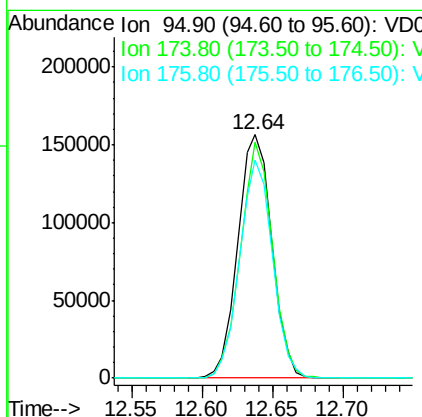
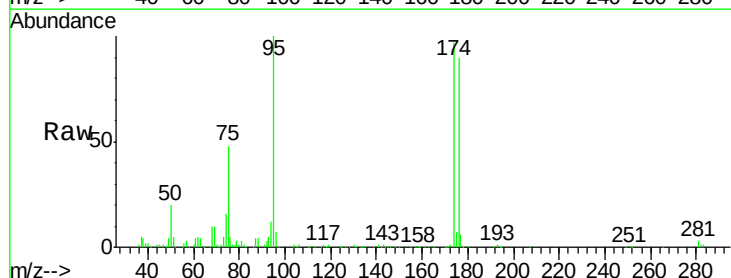
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TR-04-071620

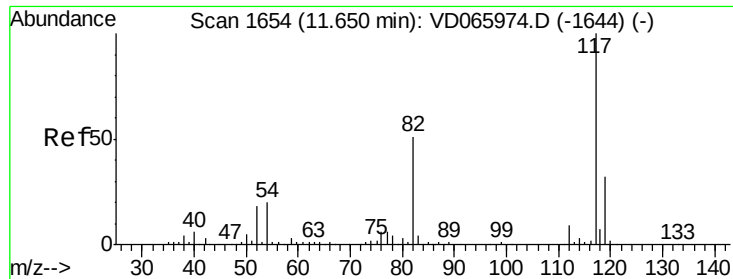
Tgt Ion: 98 Resp: 694923
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 57.747 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065980.D
Acq: 21 Jul 2020 15:17

Tgt Ion: 95 Resp: 263215
Ion Ratio Lower Upper
95 100
174 91.5 0.0 178.8
176 86.9 0.0 172.6

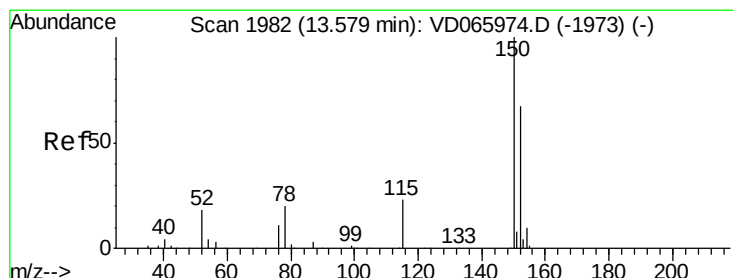
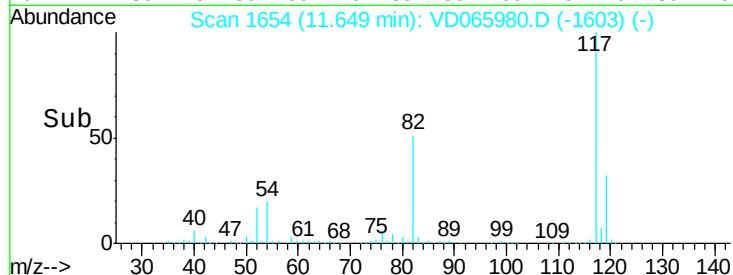
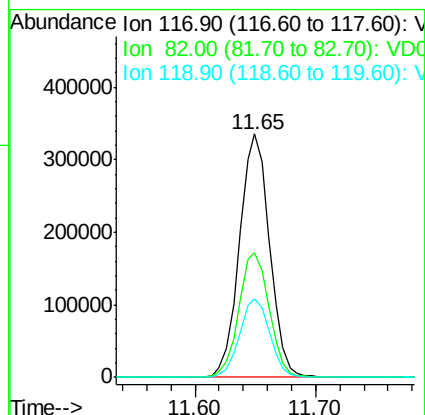
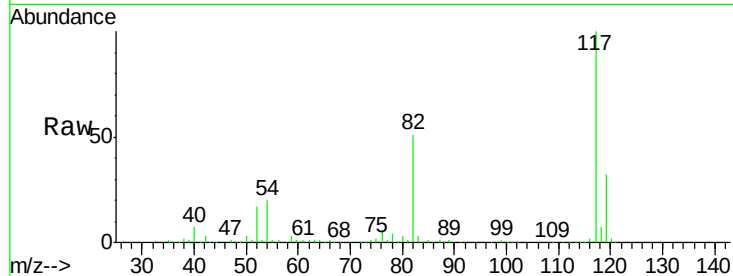




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065980.D
Acq: 21 Jul 2020 15:17

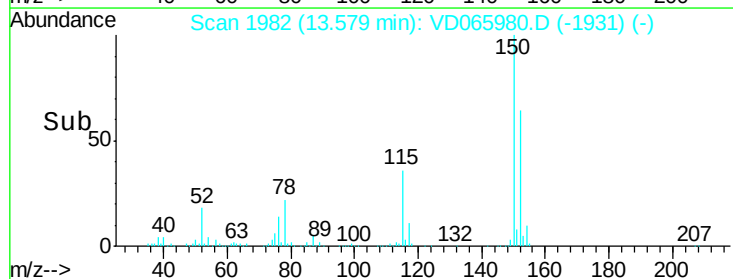
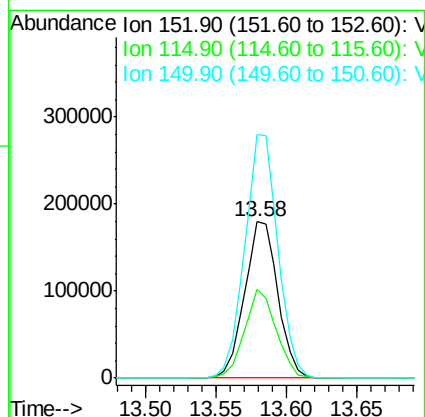
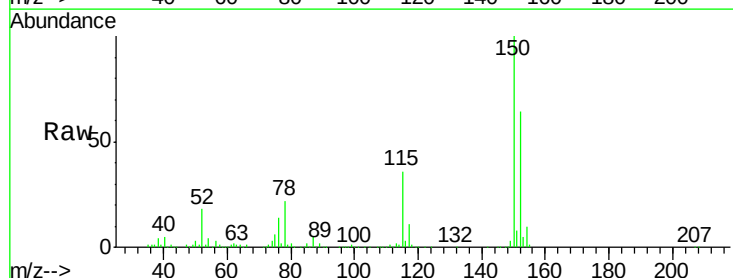
Instrument :
MSVOA_D
ClientSampleId :
TR-04-071620

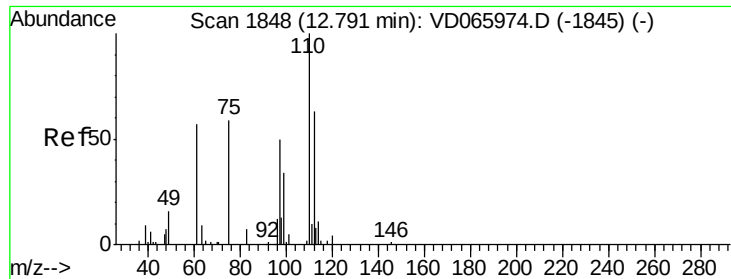
Tgt Ion:117 Resp: 583737
Ion Ratio Lower Upper
117 100
82 51.1 41.1 61.7
119 32.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065980.D
Acq: 21 Jul 2020 15:17

Tgt Ion:152 Resp: 296639
Ion Ratio Lower Upper
152 100
115 54.2 27.9 83.7
150 155.5 0.0 348.2

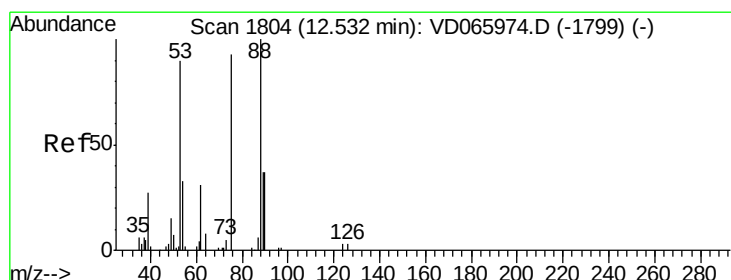
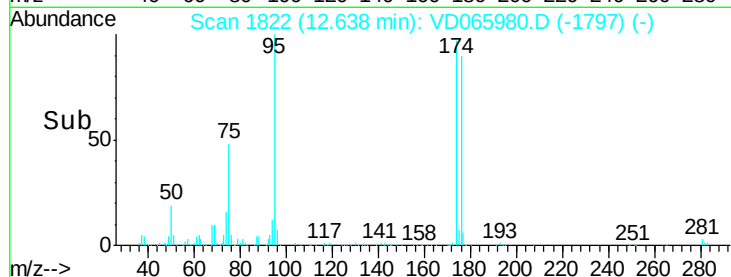
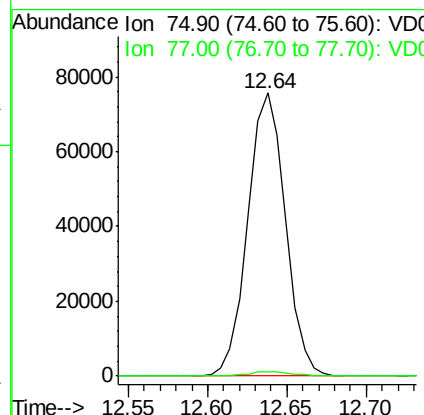
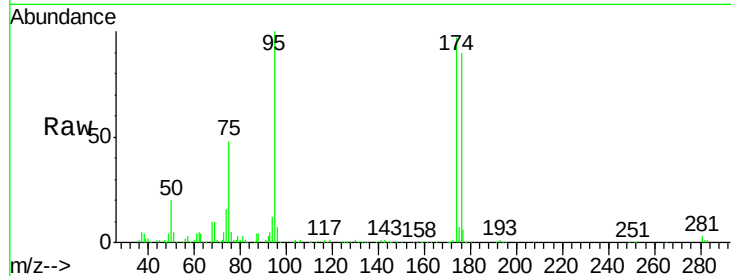




#76
 1,2,3-Trichloropropane
 Concen: 55.866 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD065980.D
 Acq: 21 Jul 2020 15:17

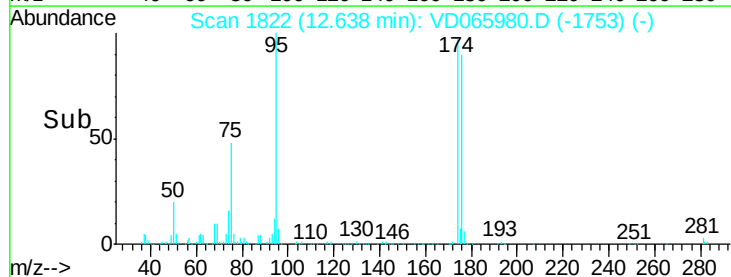
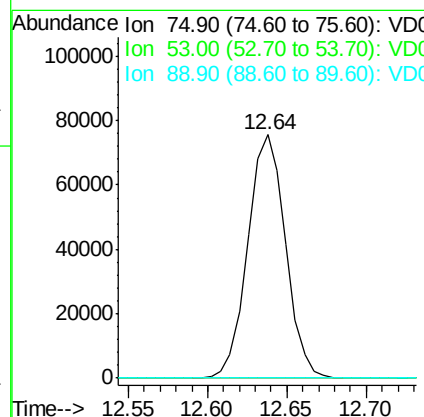
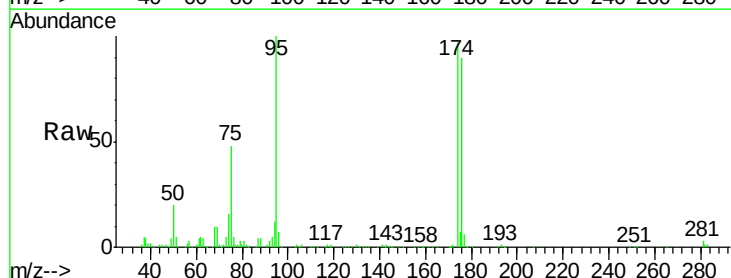
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-071620

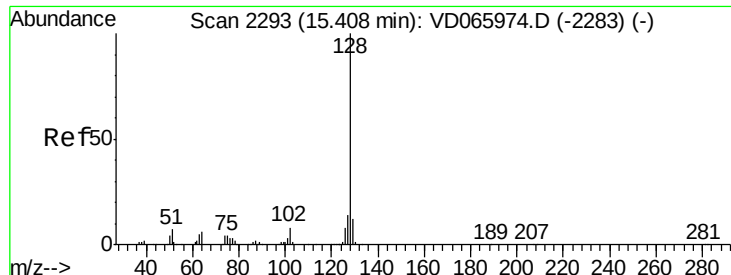
Tgt Ion: 75 Resp: 124780
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.194 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD065980.D
 Acq: 21 Jul 2020 15:17

Tgt Ion: 75 Resp: 124780
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.8 115.2#
 89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 4.039 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065980.D

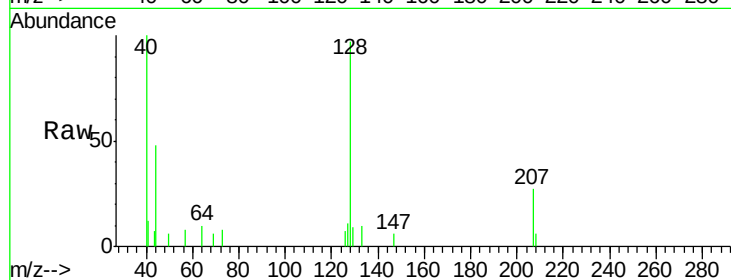
Acq: 21 Jul 2020 15:17

Instrument :

MSVOA_D

ClientSampleId :

TR-04-071620



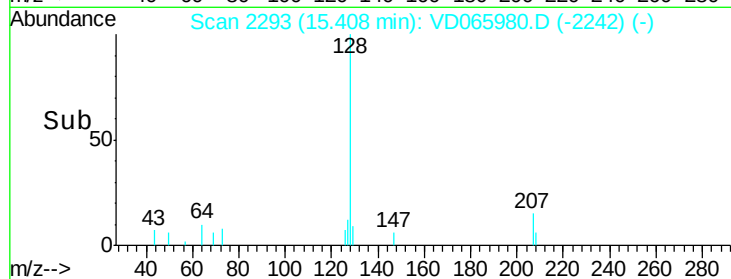
Tgt Ion:128 Resp: 4989

Ion Ratio Lower Upper

128 100

127 7.8 10.8 16.2#

129 0.0 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

