

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065986.D
 Acq On : 21 Jul 2020 18:01
 Operator : VA/SY
 Sample : L3258-01
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20200414-1

Quant Time: Jul 22 01:38:17 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	293087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	533925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	537467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241733	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	142826	59.89	ug/l	0.00
Spiked Amount			Recovery	=	119.78%	
35) Dibromofluoromethane	7.92	113	170789	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
50) Toluene-d8	10.34	98	648634	53.77	ug/l	0.00
Spiked Amount			Recovery	=	107.54%	
62) 4-Bromofluorobenzene	12.64	95	227813	54.46	ug/l	0.00
Spiked Amount			Recovery	=	108.92%	

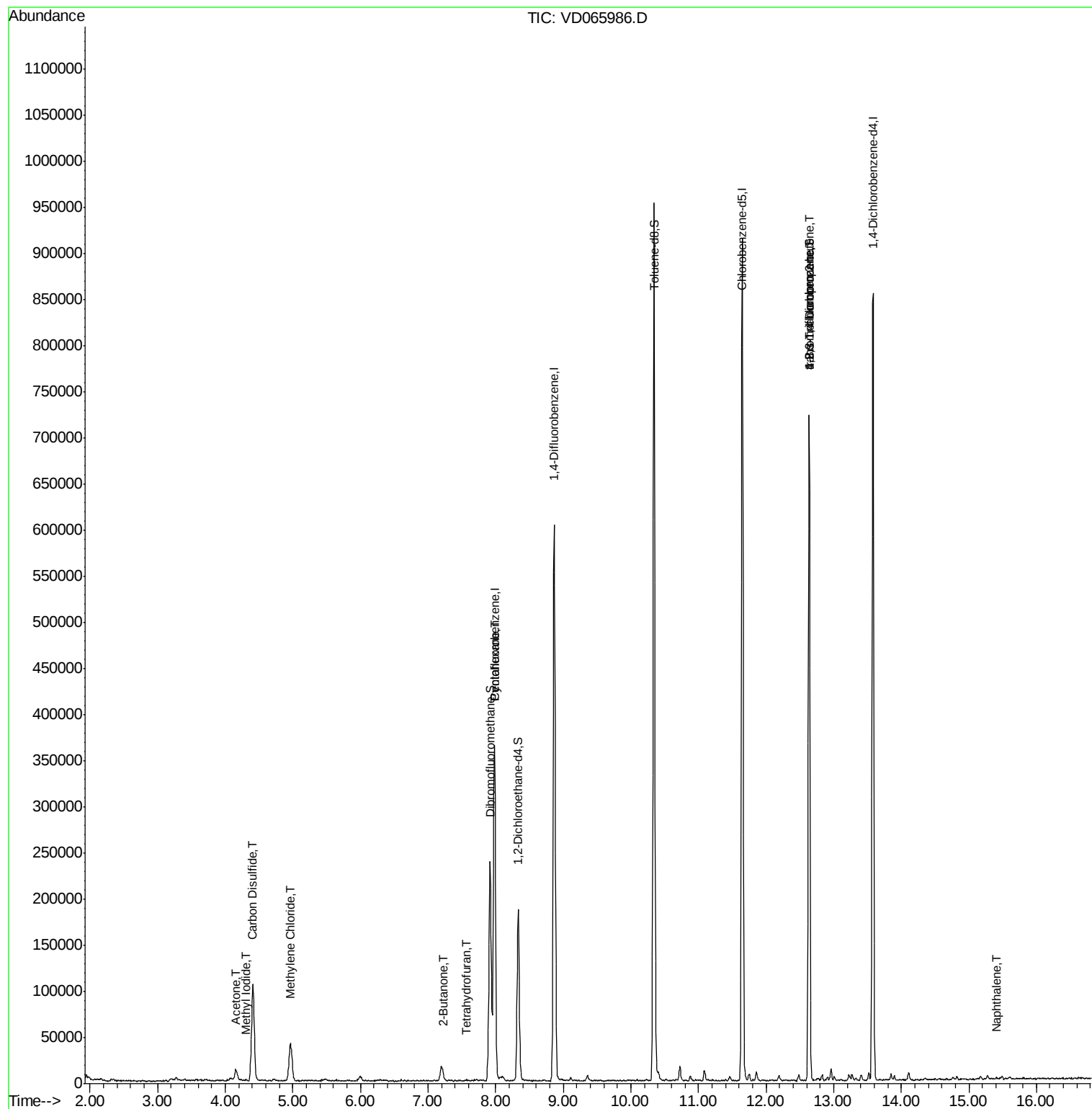
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	425	Below Cal		97
10) Methyl Iodide	4.30	142	1259	9.217 ug/l #		55
11) Tert butyl alcohol	5.21	59	163	Below Cal #		83
16) Acetone	4.16	43	22264	46.122 ug/l		98
17) Carbon Disulfide	4.41	76	226382	28.800 ug/l		99
20) Methylene Chloride	4.97	84	31818	9.520 ug/l		92
25) 2-Butanone	7.23	43	6188	9.661 ug/l		99
29) Tetrahydrofuran	7.57	42	511	1.293 ug/l #		61
31) Cyclohexane	7.98	56	6381	1.487 ug/l #		4
76) 1,2,3-Trichloropropane	12.64	75	112924	62.042 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.64	75	112924	142.365 ug/l #		11
95) Naphthalene	15.41	128	2303	3.826 ug/l #		82

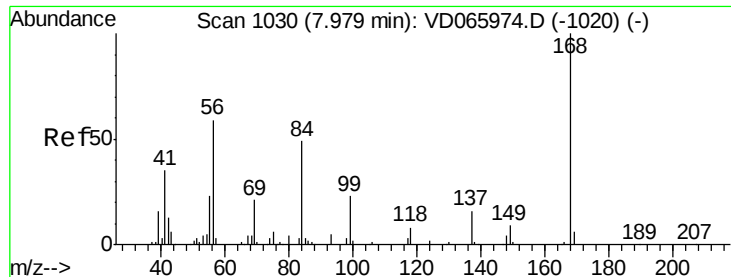
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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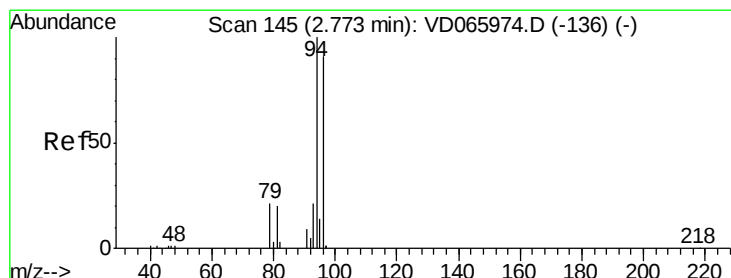
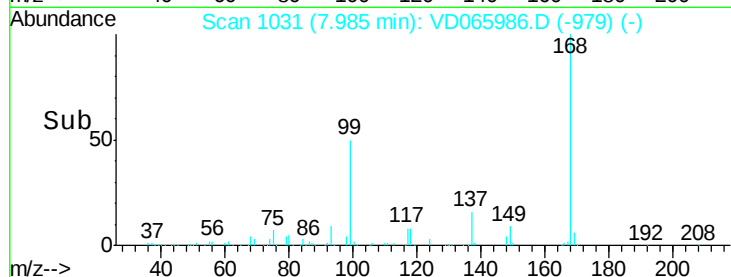
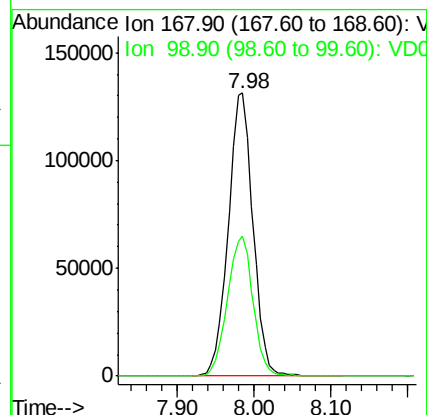
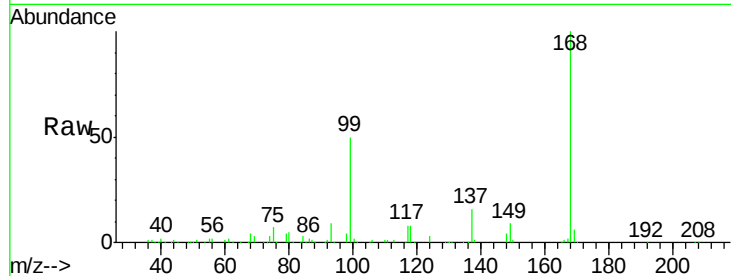




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VD065986.D
Acq: 21 Jul 2020 18:01

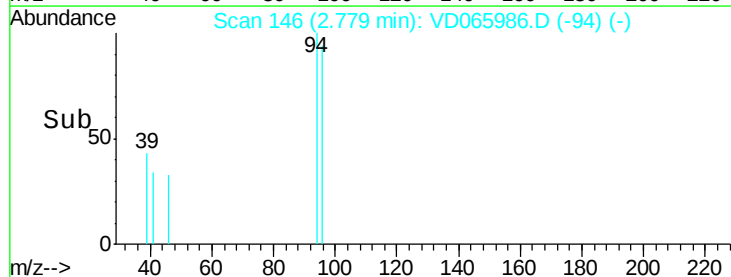
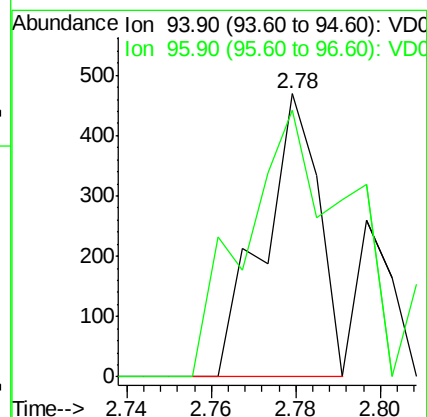
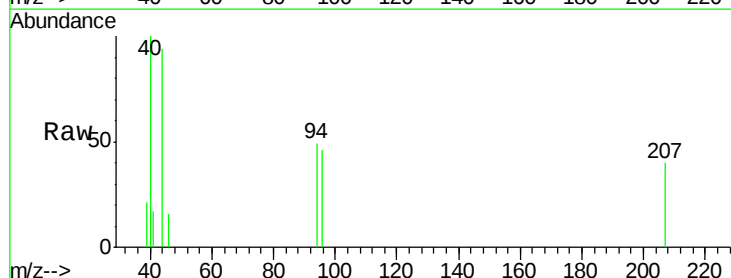
Instrument :
MSVOA_D
ClientSampleId :
20200414-1

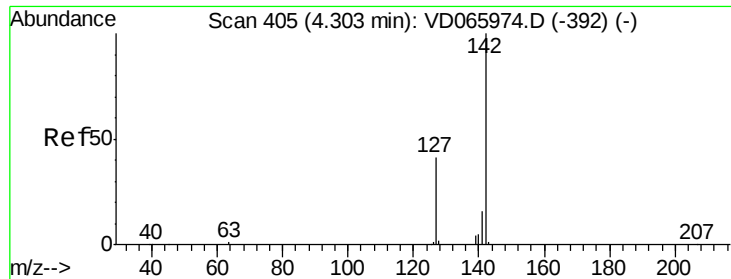
Tot Ion:168 Resp: 293087
Ion Ratio Lower Upper
168 100
99 49.6 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.78 min Scan# 146
Delta R.T. 0.01 min
Lab File: VD065986.D
Acq: 21 Jul 2020 18:01

Tgt Ion: 94 Resp: 425
Ion Ratio Lower Upper
94 100
96 94.5 73.0 109.4

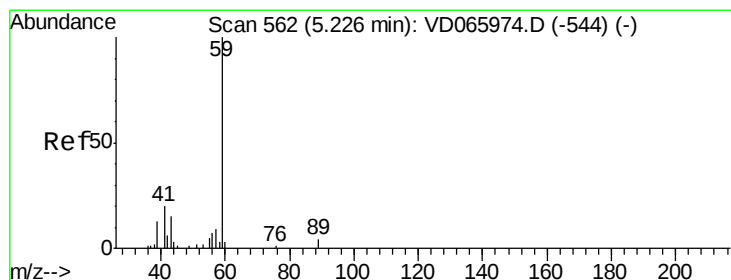
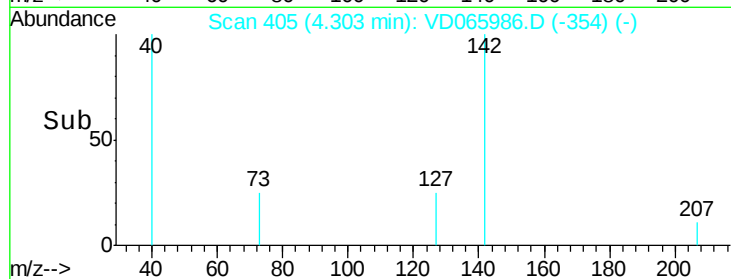
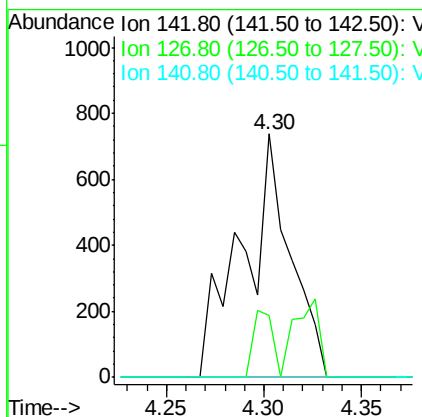
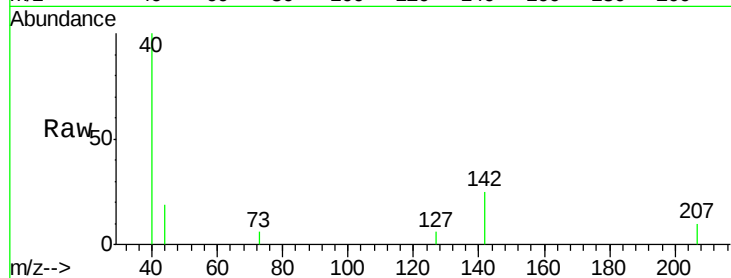




#10
Methyl Iodide
Concen: 9.217 ug/l
RT: 4.30 min Scan# 405
Delta R.T. 0.00 min
Lab File: VD065986.D
Acq: 21 Jul 2020 18:01

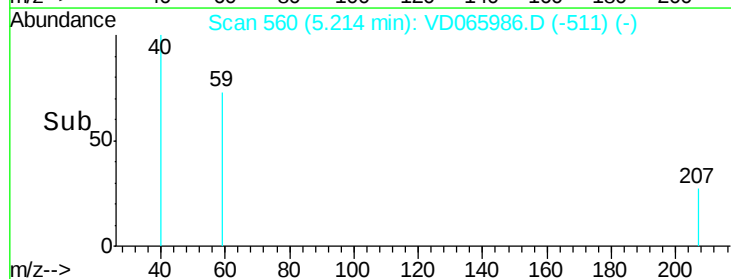
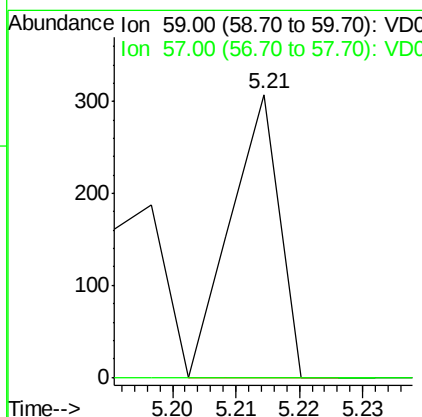
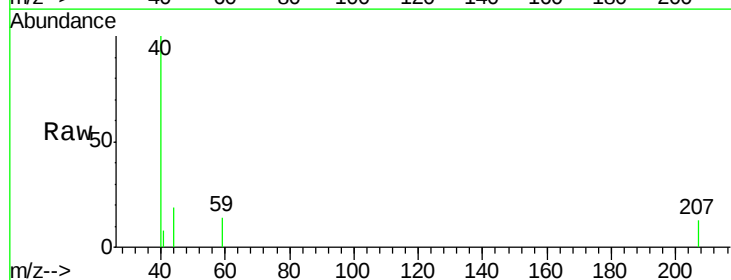
Instrument :
MSVOA_D
ClientSampleId :
20200414-1

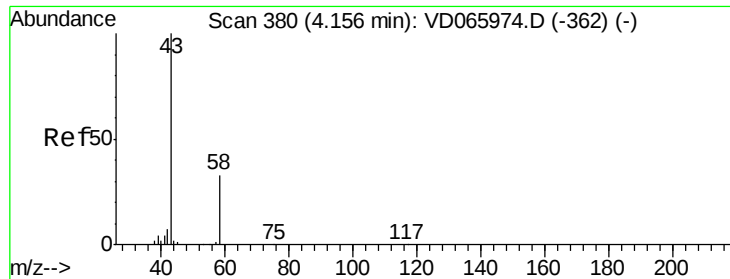
Tot Ion:142 Resp: 1259
Ion Ratio Lower Upper
142 100
127 11.0 32.9 49.3#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD065986.D
Acq: 21 Jul 2020 18:01

Tgt Ion: 59 Resp: 163
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#





#16

Acetone

Concen: 46.122 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065986.D

Acq: 21 Jul 2020 18:01

Instrument :

MSVOA_D

ClientSampleId :

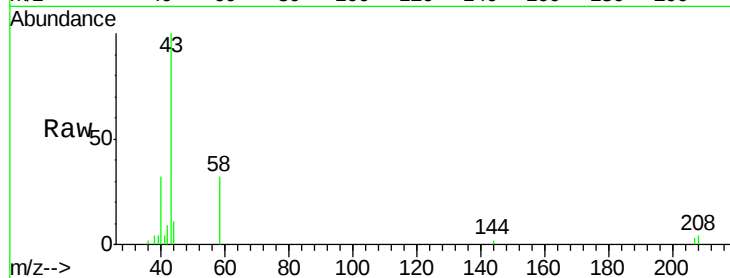
20200414-1

Tot Ion: 43 Resp: 22264

Ion Ratio Lower Upper

43 100

58 32.0 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

8000

6000

4000

2000

0

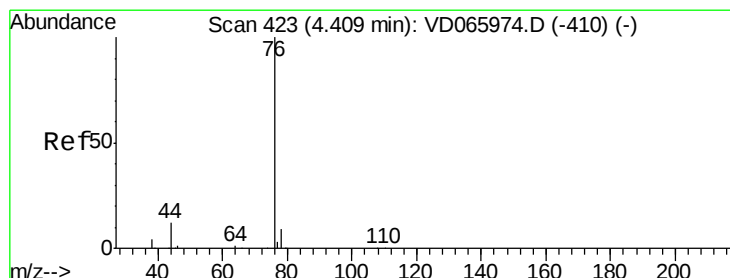
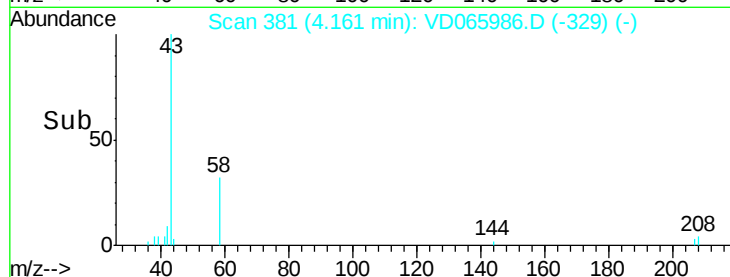
4.16

4.10

4.20

4.30

Time-->



#17

Carbon Disulfide

Concen: 28.800 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD065986.D

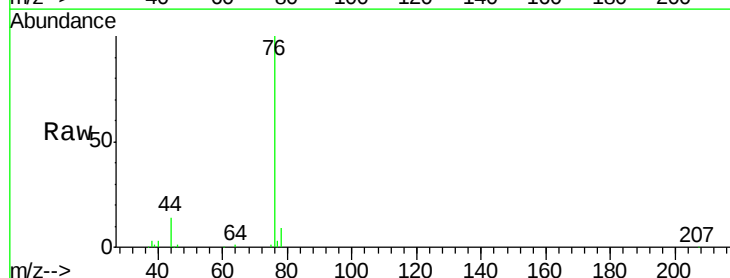
Acq: 21 Jul 2020 18:01

Tgt Ion: 76 Resp: 226382

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

80000

60000

40000

20000

0

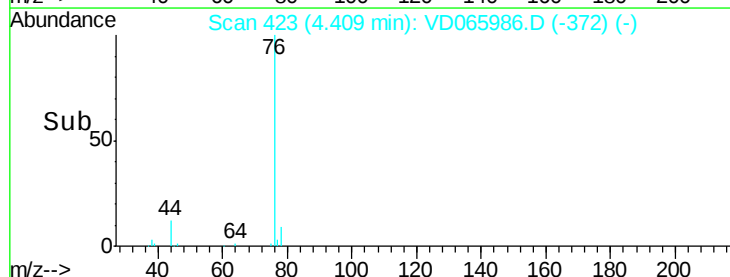
4.41

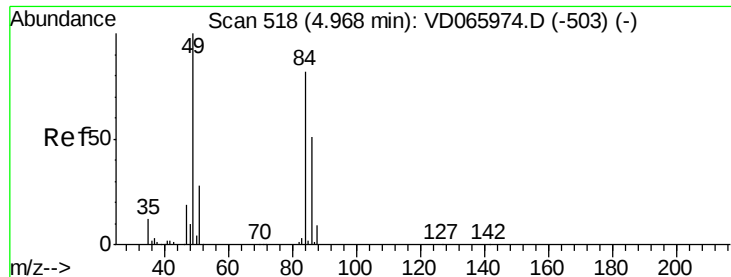
4.30

4.50

4.60

Time-->

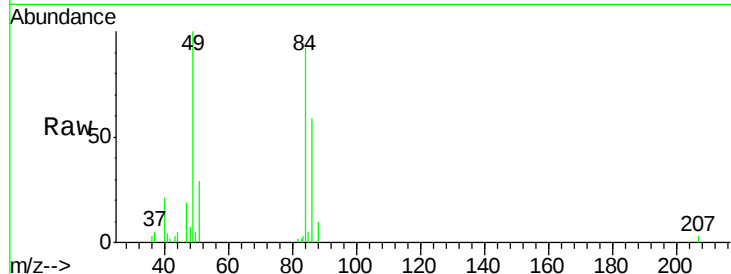




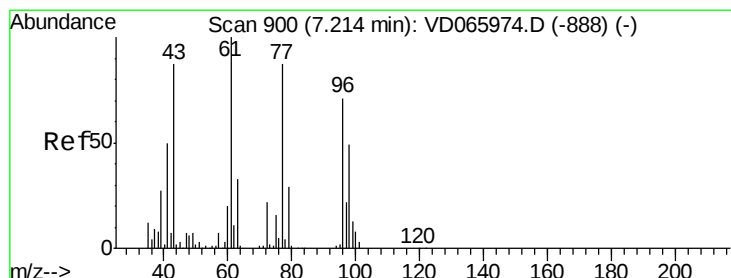
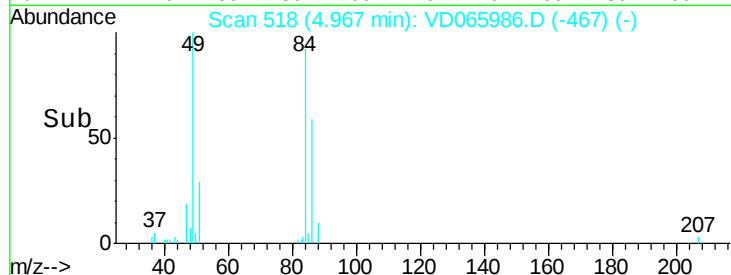
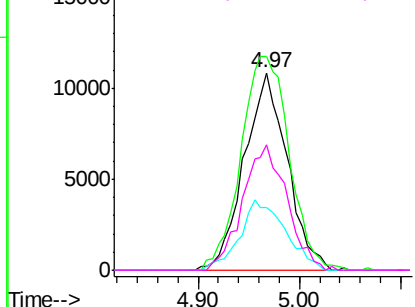
#20
Methvlene Chloride
Concen: 9.520 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065986.D
Acq: 21 Jul 2020 18:01

Instrument :
MSVOA_D
ClientSampleId :
20200414-1

Tot Ion: 84 Resp: 31818
Ion Ratio Lower Upper
84 100
49 108.2 97.7 146.5
51 31.6 27.4 41.2
86 63.5 49.4 74.2

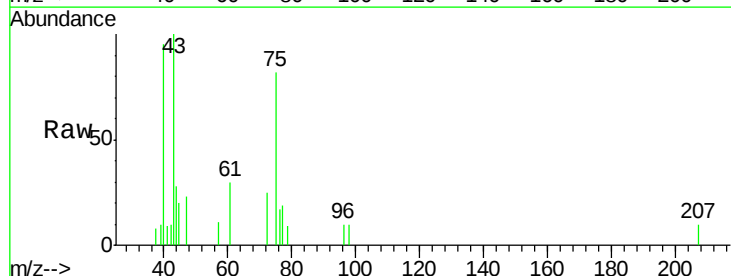


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

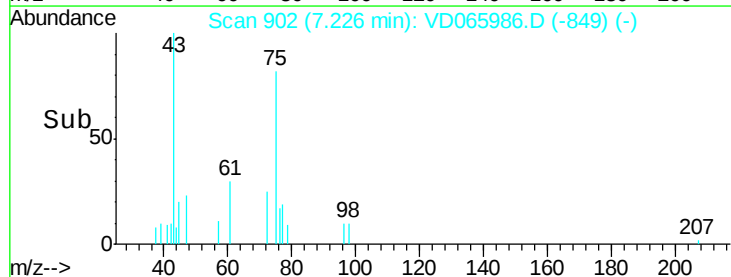
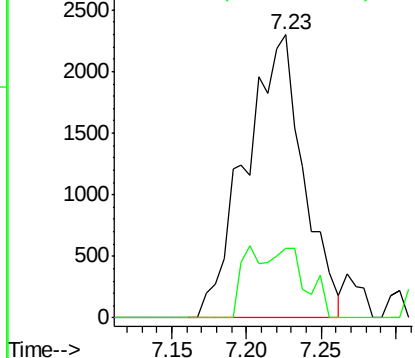


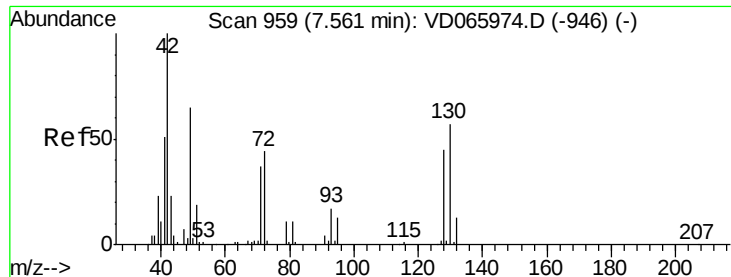
#25
2-Butanone
Concen: 9.661 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065986.D
Acq: 21 Jul 2020 18:01

Tgt Ion: 43 Resp: 6188
Ion Ratio Lower Upper
43 100
72 24.8 20.2 30.2



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

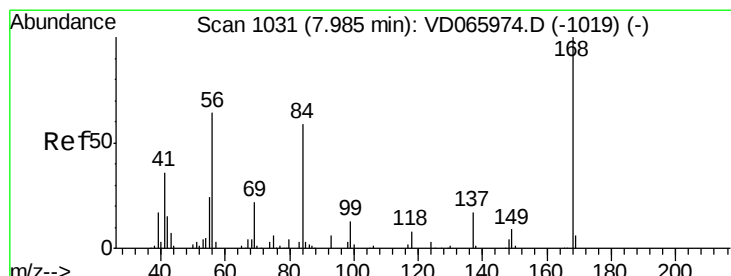
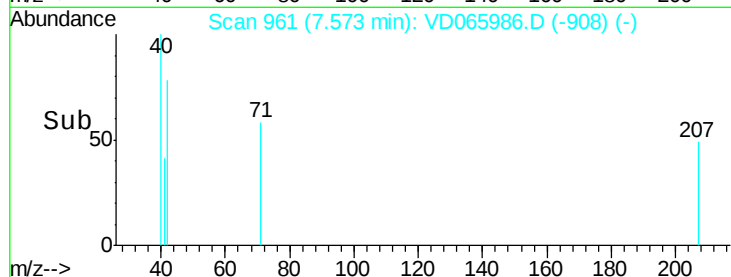
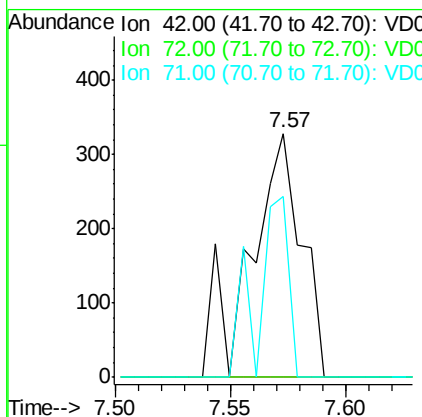
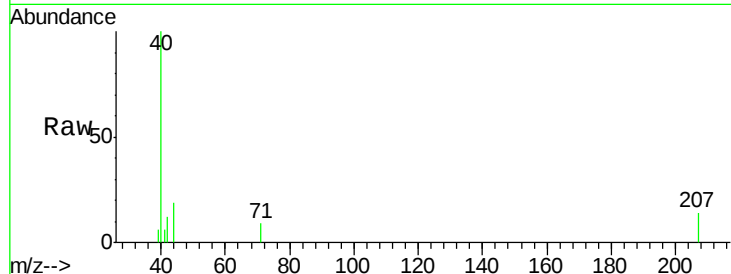




#29
Tetrahydrofuran
Concen: 1.293 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD065986.D
Acq: 21 Jul 2020 18:01

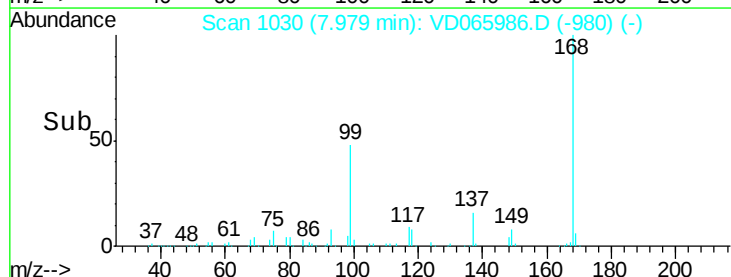
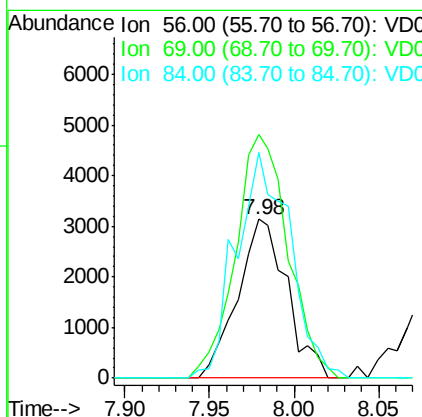
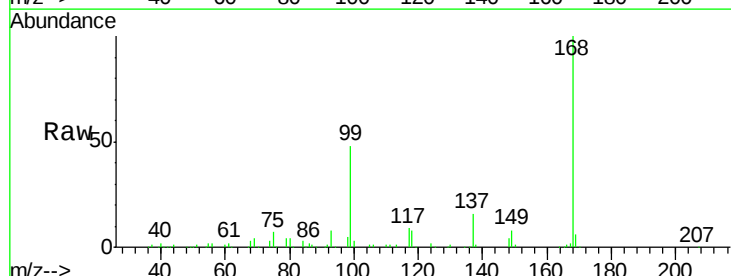
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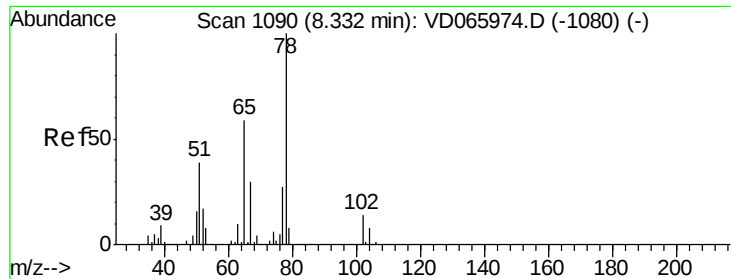
Tot Ion: 42 Resp: 511
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.2#
71 45.0 31.4 47.2



#31
Cyclohexane
Concen: 1.487 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065986.D
Acq: 21 Jul 2020 18:01

Tgt Ion: 56 Resp: 6381
Ion Ratio Lower Upper
56 100
69 153.1 28.0 42.0#
84 141.9 72.6 109.0#

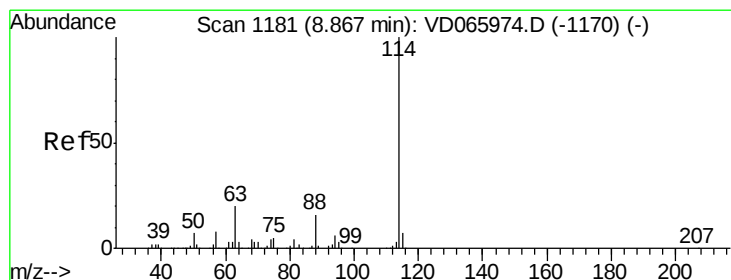
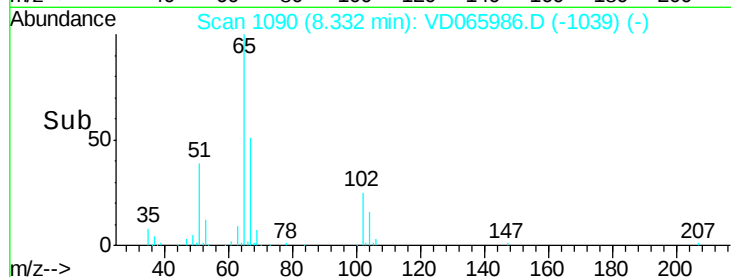
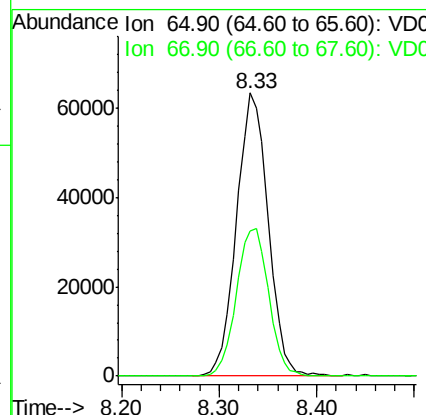
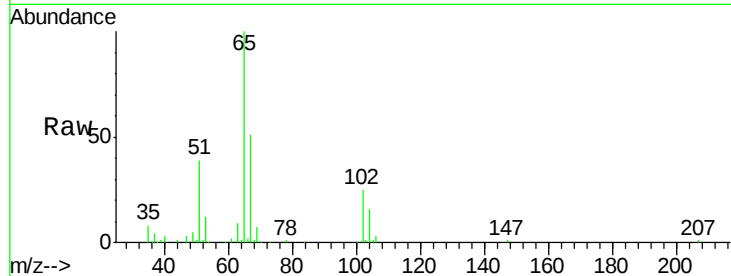




#33
 1,2-Dichloroethane-d4
 Concen: 59.890 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065986.D
 Acq: 21 Jul 2020 18:01

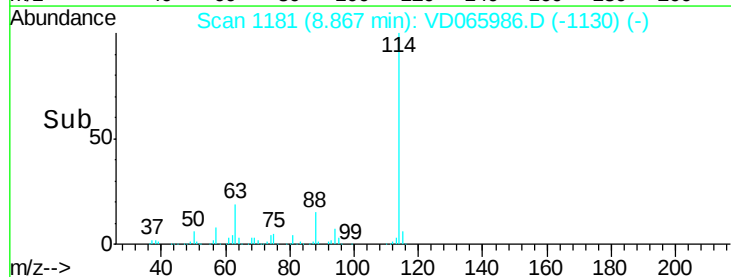
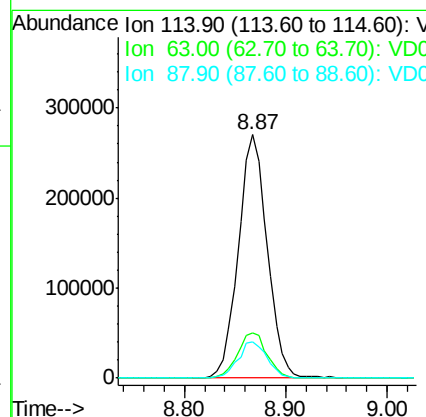
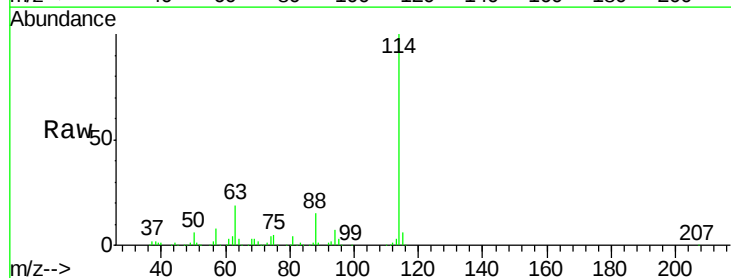
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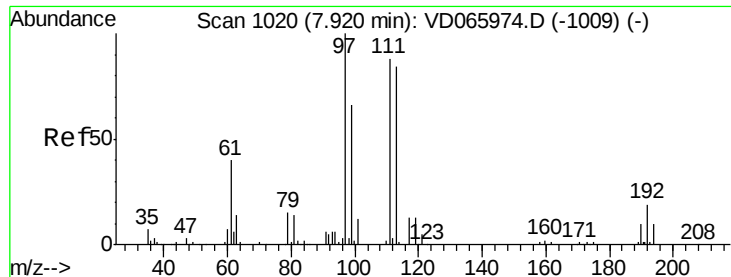
Tot Ion: 65 Resp: 142826
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065986.D
 Acq: 21 Jul 2020 18:01

Tgt Ion: 114 Resp: 533925
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.6
 88 14.9 0.0 31.2

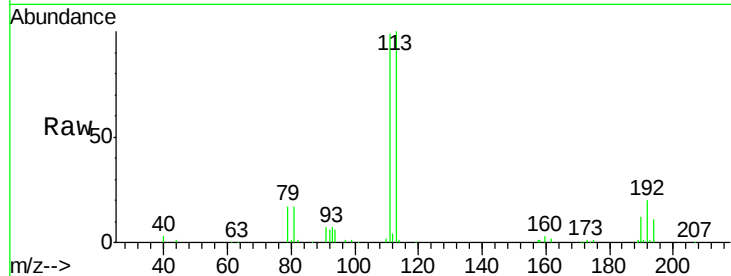




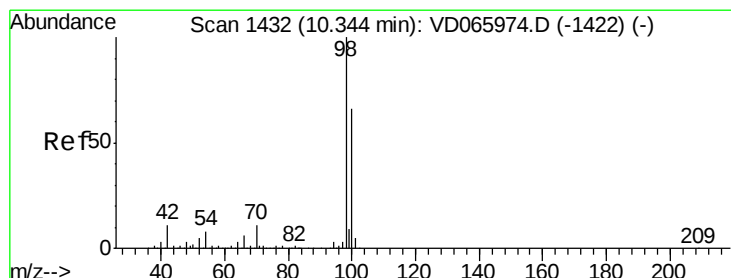
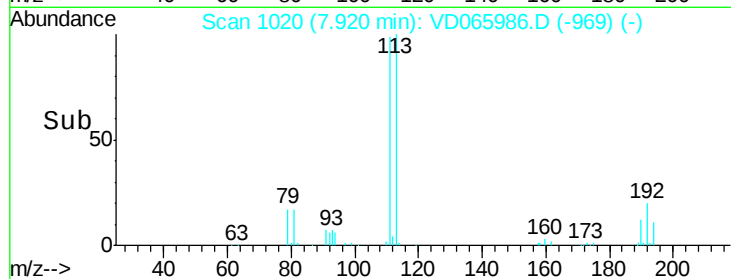
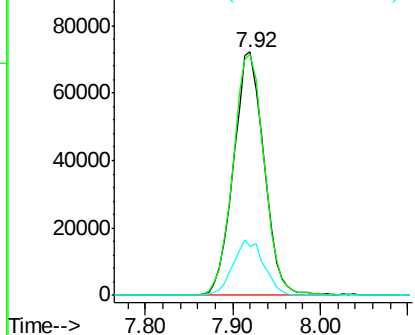
#35
 Dibromofluoromethane
 Concen: 52.738 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065986.D
 Acq: 21 Jul 2020 18:01

Instrument :
 MSVOA_D
 ClientSampleId :
 20200414-1

Tot Ion:113 Resp: 170789
 Ion Ratio Lower Upper
 113 100
 111 101.3 83.2 124.8
 192 22.9 18.7 28.1

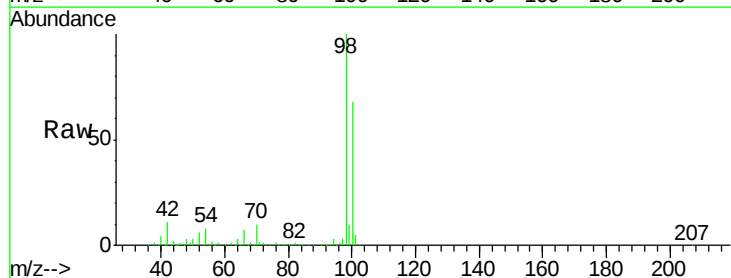


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

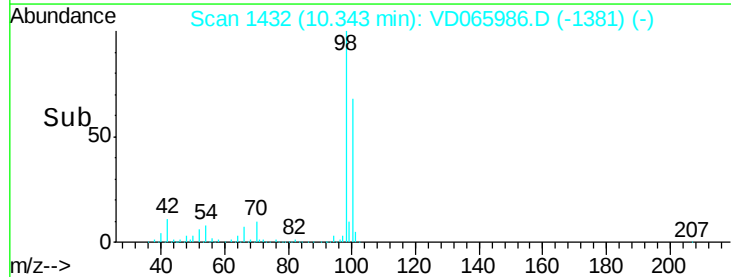
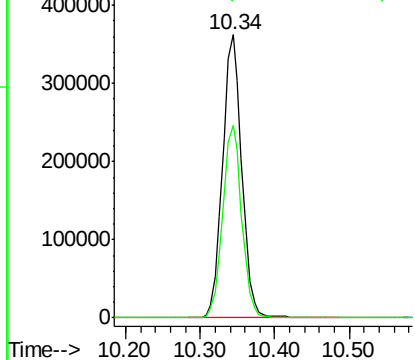


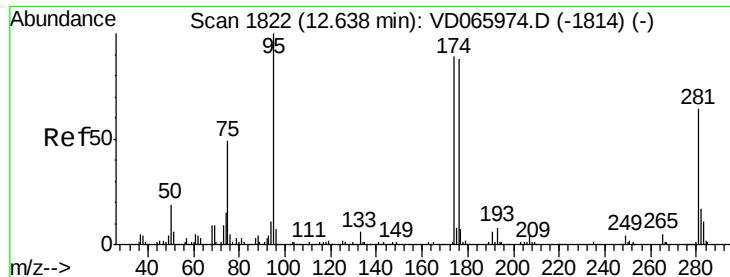
#50
 Toluene-d8
 Concen: 53.766 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VD065986.D
 Acq: 21 Jul 2020 18:01

Tgt Ion: 98 Resp: 648634
 Ion Ratio Lower Upper
 98 100
 100 67.6 52.7 79.1



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

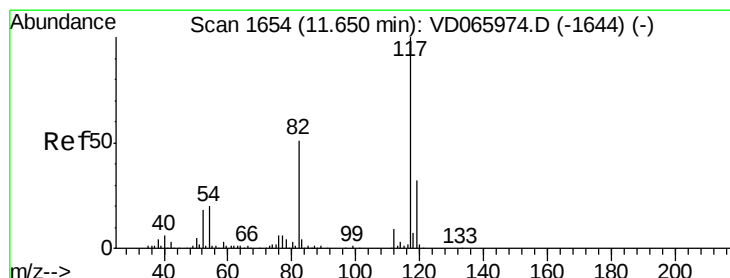
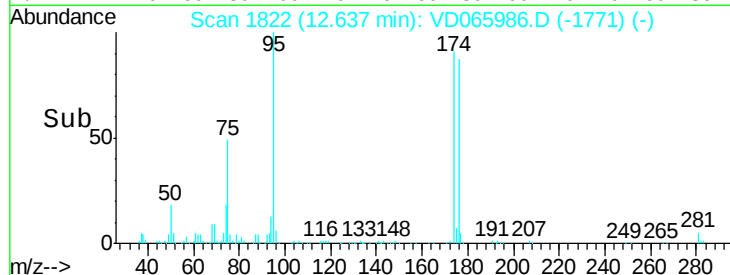
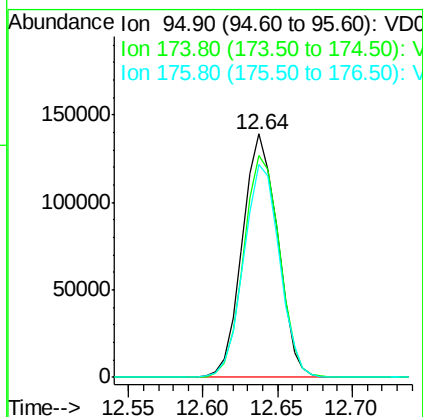
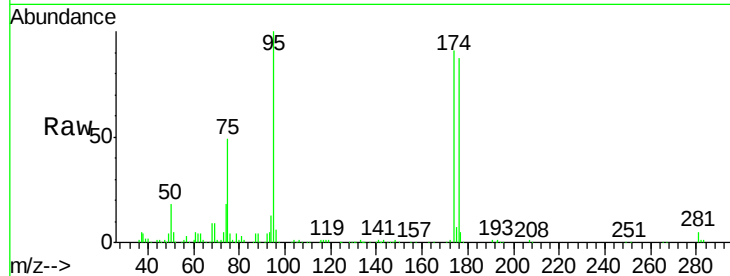




#62
4-Bromofluorobenzene
Concen: 54.461 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065986.D
Acq: 21 Jul 2020 18:01

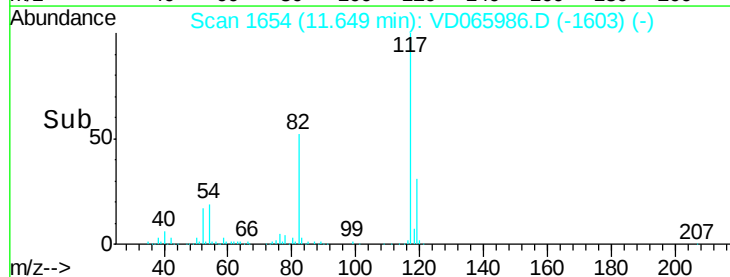
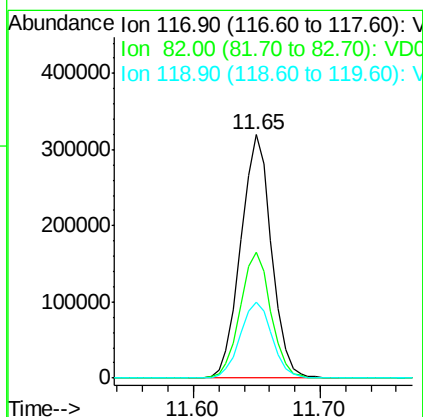
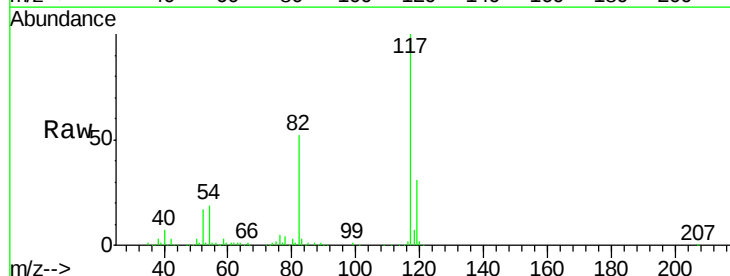
Instrument :
MSVOA_D
ClientSampleId :
20200414-1

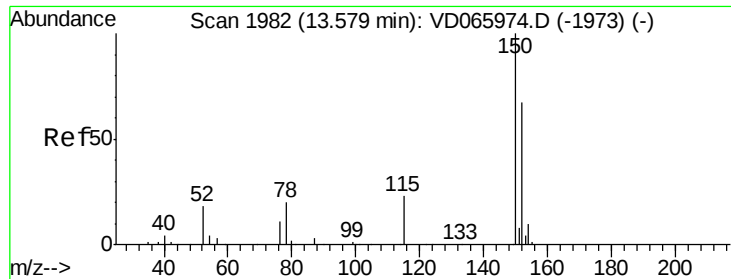
Tot Ion: 95 Resp: 227813
Ion Ratio Lower Upper
95 100
174 92.8 0.0 178.8
176 88.9 0.0 172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065986.D
Acq: 21 Jul 2020 18:01

Tgt Ion: 117 Resp: 537467
Ion Ratio Lower Upper
117 100
82 51.7 41.1 61.7
119 31.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD065986.D

Acq: 21 Jul 2020 18:01

Instrument :

MSVOA_D

ClientSampleId :

20200414-1

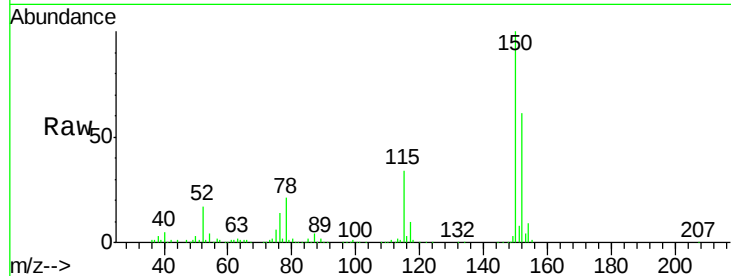
Tot Ion:152 Resp: 241733

Ion Ratio Lower Upper

152 100

115 54.4 27.9 83.7

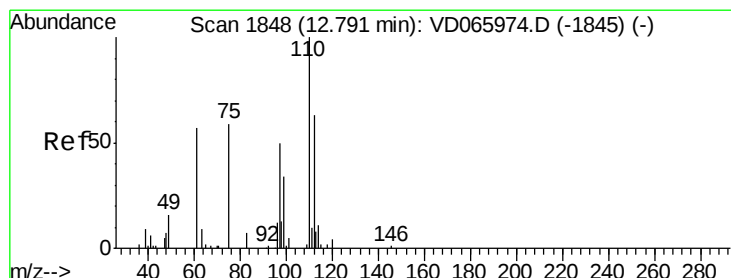
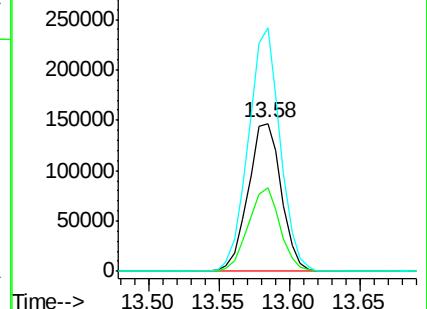
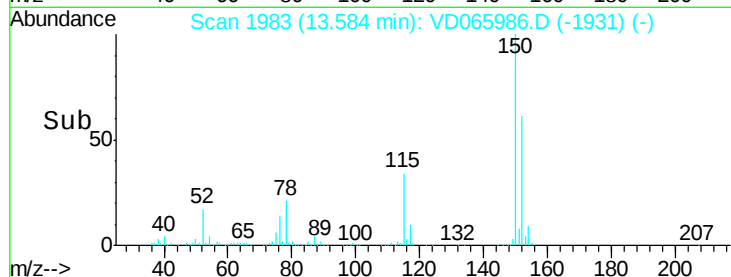
150 157.7 0.0 348.2



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: 62.042 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065986.D

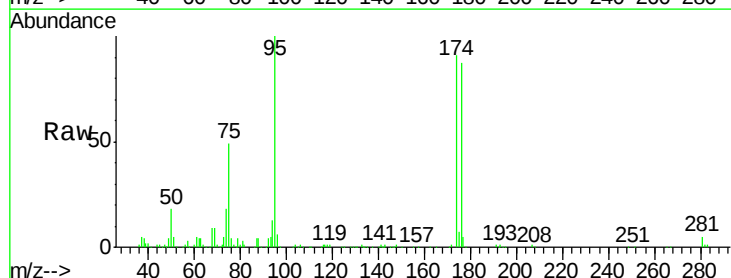
Acq: 21 Jul 2020 18:01

Tgt Ion: 75 Resp: 112924

Ion Ratio Lower Upper

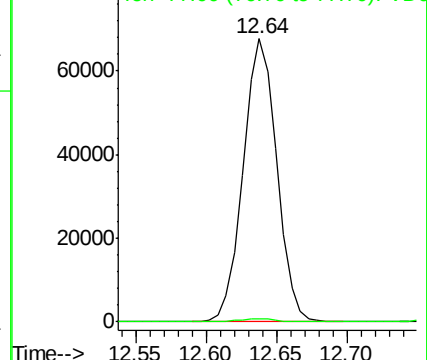
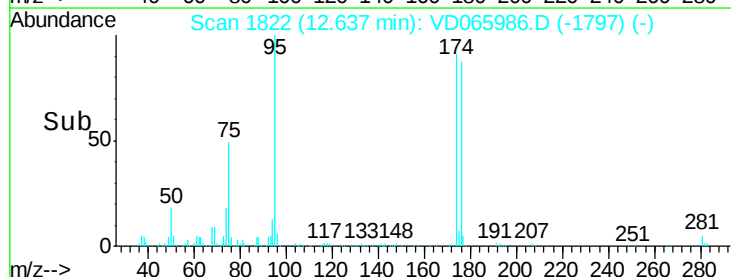
75 100

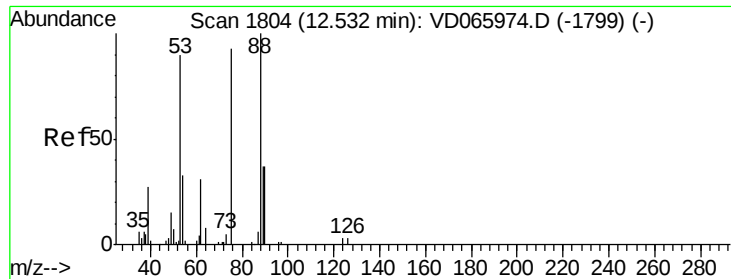
77 1.1 0.0 0.0#



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: 142.365 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065986.D

Acq: 21 Jul 2020 18:01

Instrument :

MSVOA_D

ClientSampleId :

20200414-1

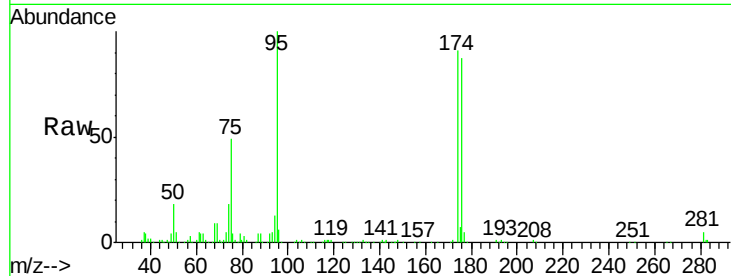
Tot Ion: 75 Resp: 112924

Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

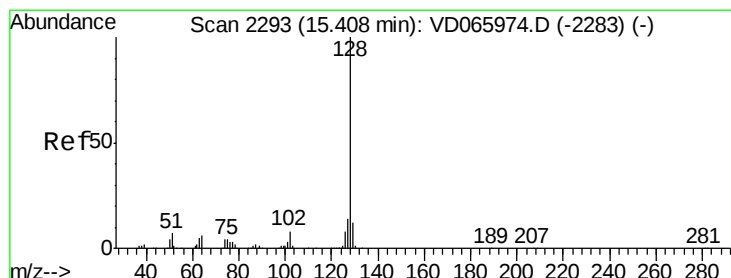
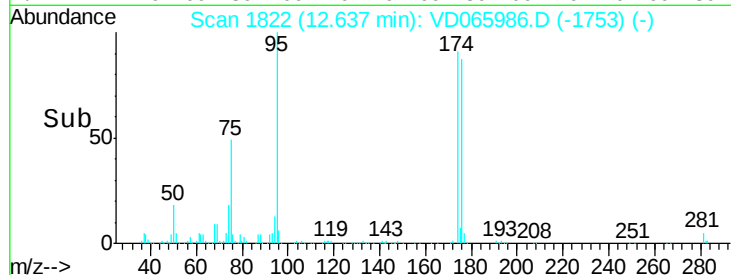
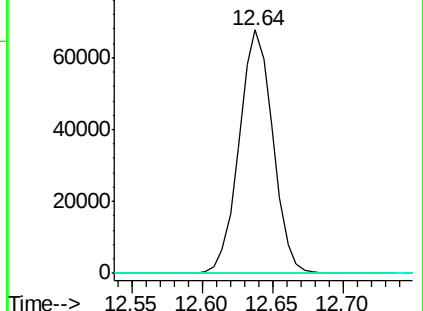
89 0.2 37.0 55.4#



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: 3.826 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD065986.D

Acq: 21 Jul 2020 18:01

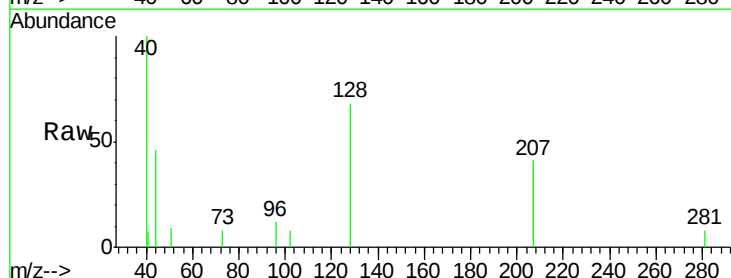
Tgt Ion: 128 Resp: 2303

Ion Ratio Lower Upper

128 100

127 6.0 10.8 16.2#

129 4.5 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

