

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072120\
 Data File : VD065981.D
 Acq On : 21 Jul 2020 15:44
 Operator : VA/SY
 Sample : L3308-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 3

Quant Time: Jul 21 16:48:15 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	314082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	550298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	553838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	259635	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	143415	56.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.24%	
35) Dibromofluoromethane	7.91	113	170419	51.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.12%	
50) Toluene-d8	10.34	98	655901	52.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.64	95	241203	55.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.90%	

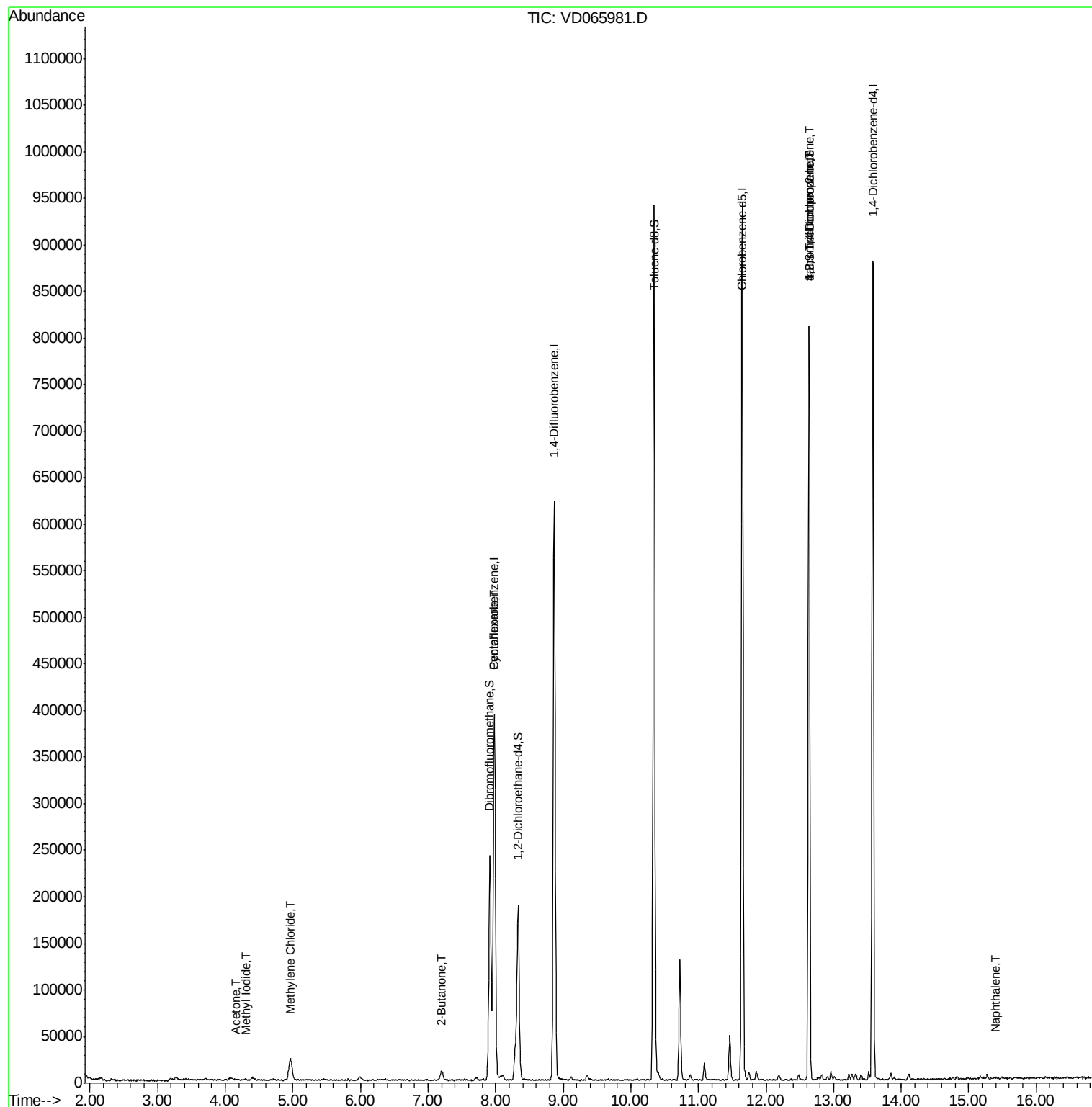
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	589	Below Cal	#	55
10) Methyl Iodide	4.31	142	885	9.078	ug/l #	89
11) Tert butyl alcohol	5.23	59	54	Below Cal	#	83
16) Acetone	4.17	43	1112	2.150	ug/l #	42
20) Methylene Chloride	4.96	84	18706	3.800	ug/l	86
25) 2-Butanone	7.19	43	772	1.125	ug/l #	50
31) Cyclohexane	7.98	56	7746	1.685	ug/l #	50
76) 1,2,3-Trichloropropane	12.64	75	115947	59.310	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	115947	136.097	ug/l #	11
95) Naphthalene	15.41	128	1849	3.756	ug/l #	78

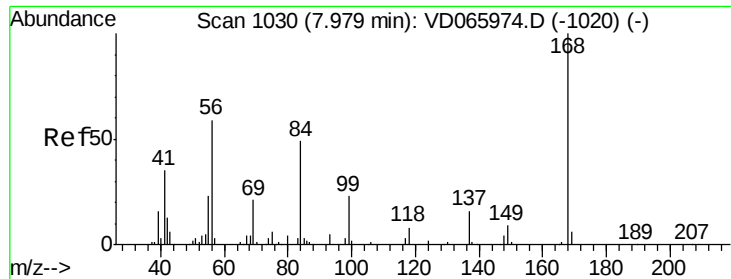
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065981.D

Acq: 21 Jul 2020 15:44

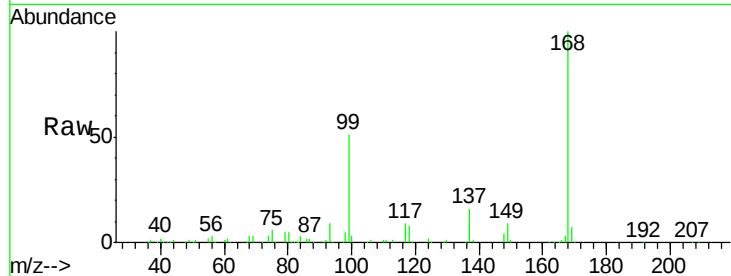
Instrument :
MSVOA_D
ClientSampled :
3

Tgt Ion:168 Resp: 314082

Ion Ratio Lower Upper

168 100

99 50.9 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

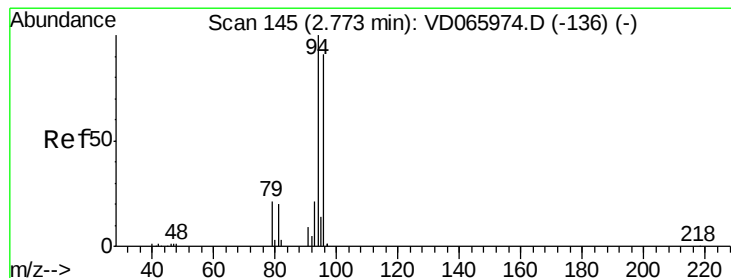
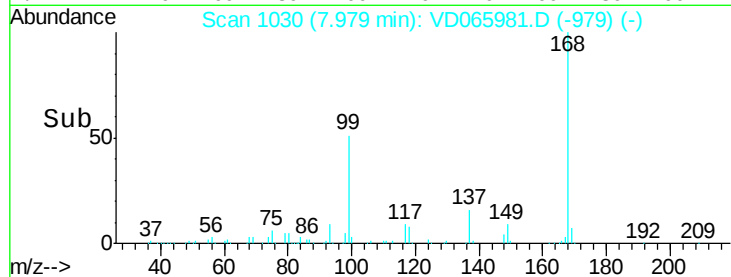
100000

50000

0

7.90 8.00 8.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065981.D

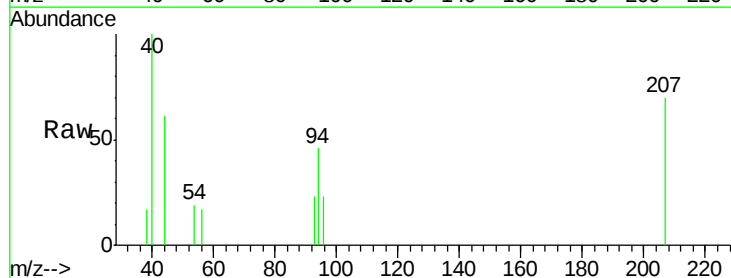
Acq: 21 Jul 2020 15:44

Tgt Ion: 94 Resp: 589

Ion Ratio Lower Upper

94 100

96 48.8 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

500

400

300

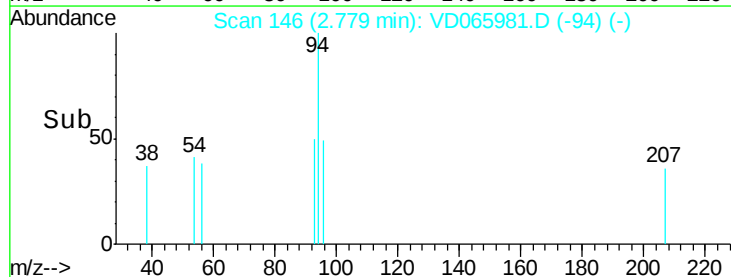
200

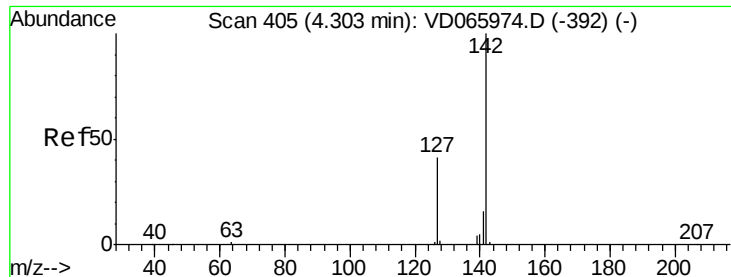
100

0

2.75 2.80

Time-->

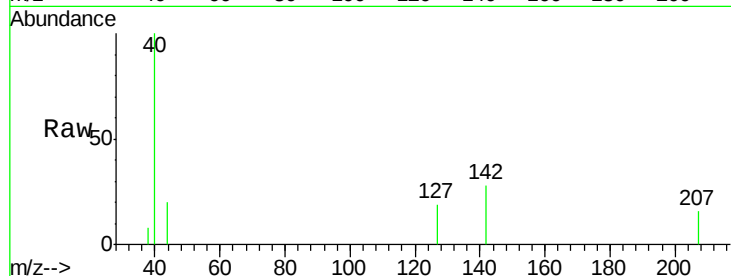




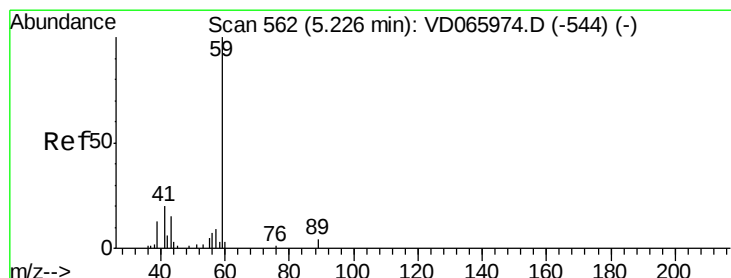
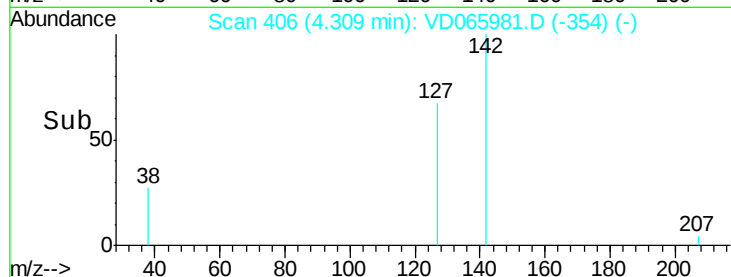
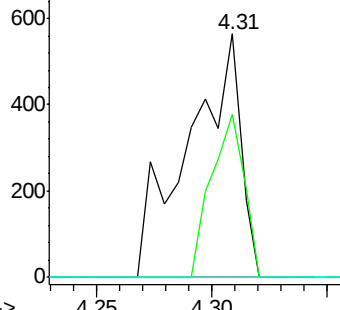
#10
Methyl Iodide
Concen: 9.078 ug/l
RT: 4.31 min Scan# 406
Delta R.T. 0.01 min
Lab File: VD065981.D
Acq: 21 Jul 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
3

Tgt Ion: 142 Resp: 885
Ion Ratio Lower Upper
142 100
127 42.1 32.9 49.3
141 0.0 11.8 17.6#

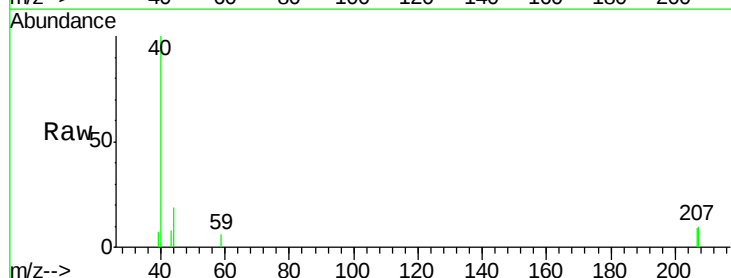


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

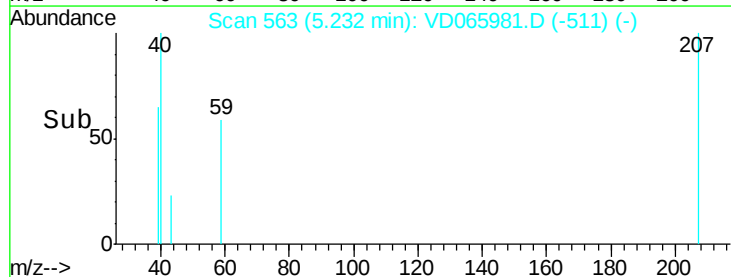
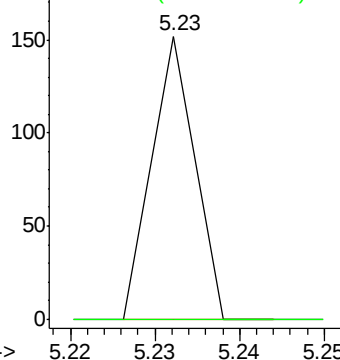


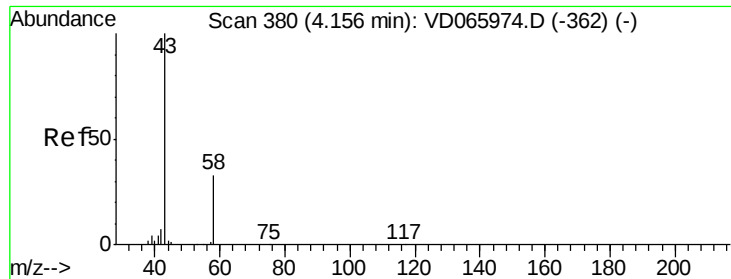
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD065981.D
Acq: 21 Jul 2020 15:44

Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC

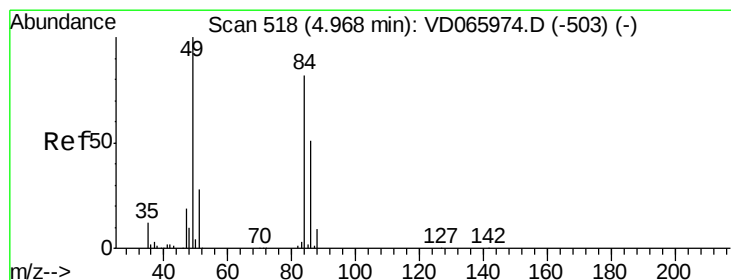
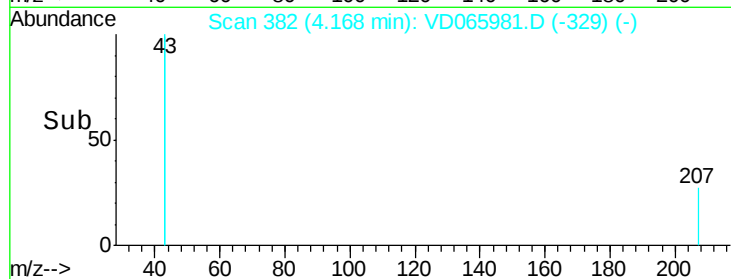
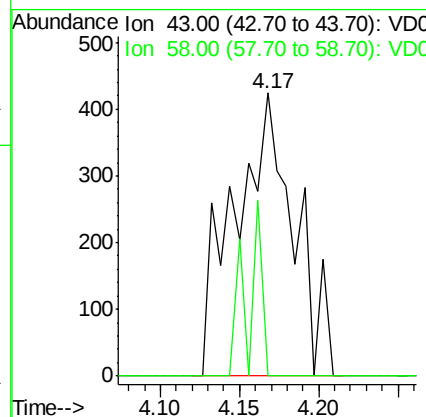
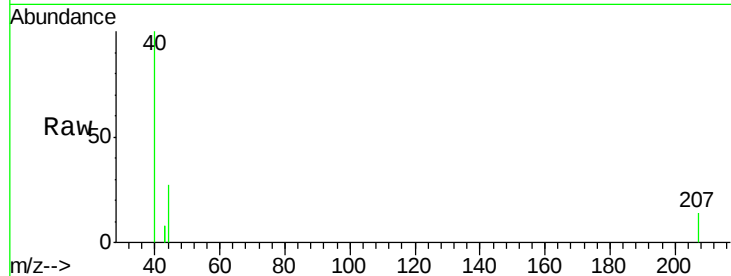




#16
Acetone
Concen: 2.150 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.01 min
Lab File: VD065981.D
Acq: 21 Jul 2020 15:44

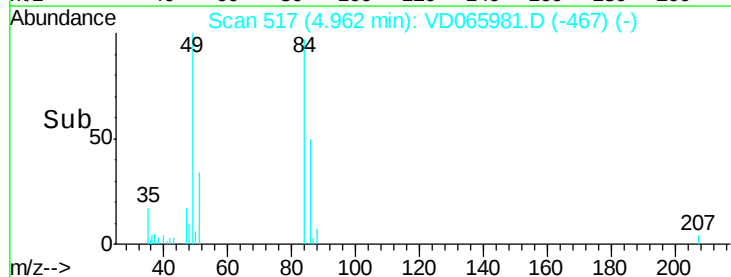
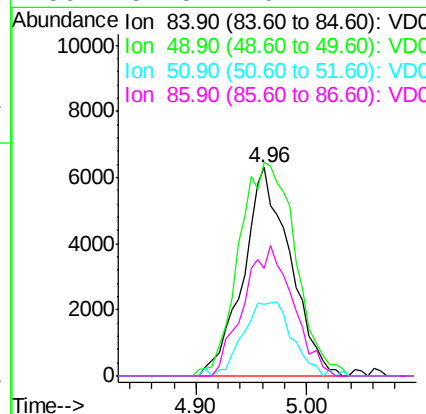
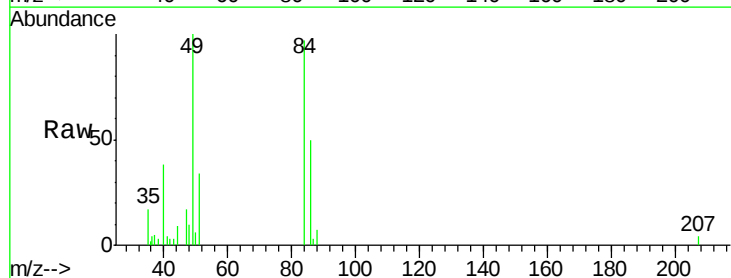
Instrument :
MSVOA_D
ClientSampleId :
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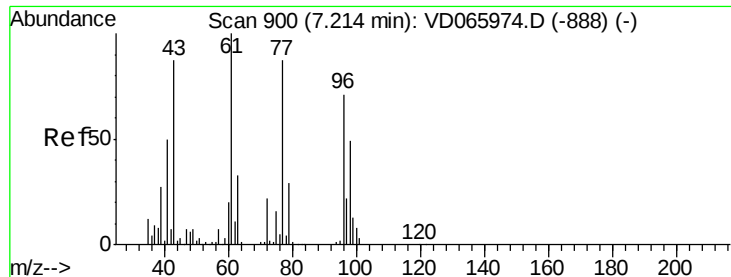
Tgt Ion: 43 Resp: 1112
Ion Ratio Lower Upper
43 100
58 0.0 26.3 39.5#



#20
Methylene Chloride
Concen: 3.800 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065981.D
Acq: 21 Jul 2020 15:44

Tgt Ion: 84 Resp: 18706
Ion Ratio Lower Upper
84 100
49 102.6 97.7 146.5
51 34.7 27.4 41.2
86 51.8 49.4 74.2





#25

2-Butanone

Concen: 1.125 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD065981.D

Acq: 21 Jul 2020 15:44

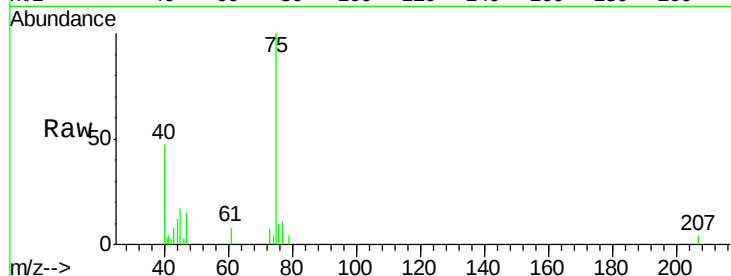
Instrument :
MSVOA_D
ClientSampleId :
3

Tgt Ion: 43 Resp: 772

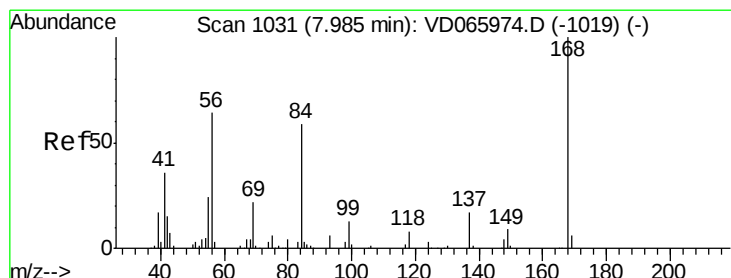
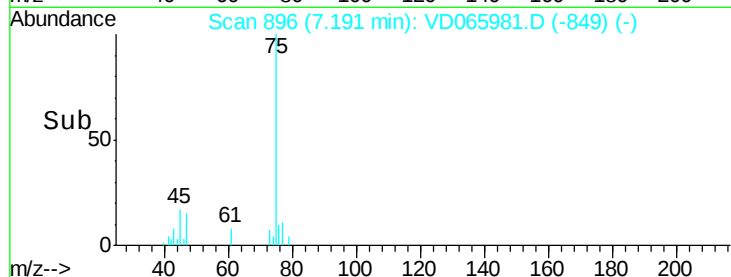
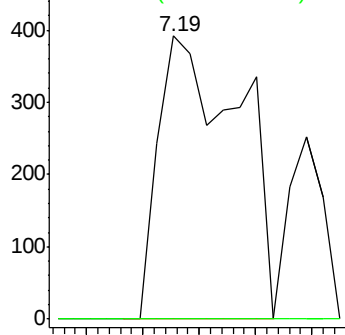
Ion Ratio Lower Upper

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: 1.685 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065981.D

Acq: 21 Jul 2020 15:44

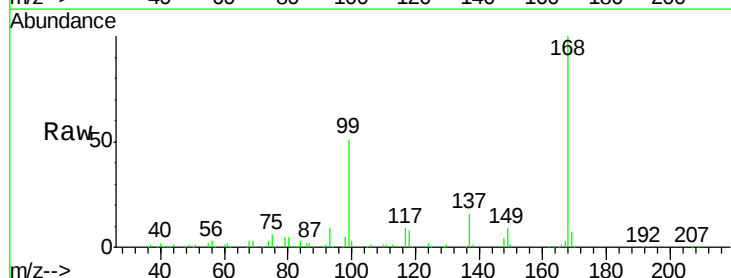
Tgt Ion: 56 Resp: 7746

Ion Ratio Lower Upper

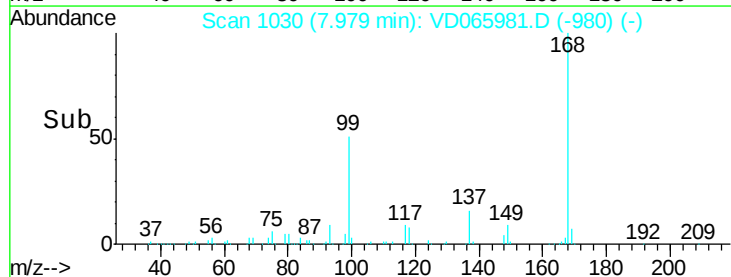
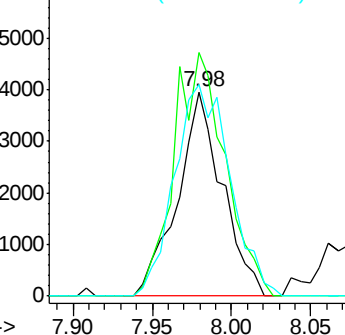
56 100

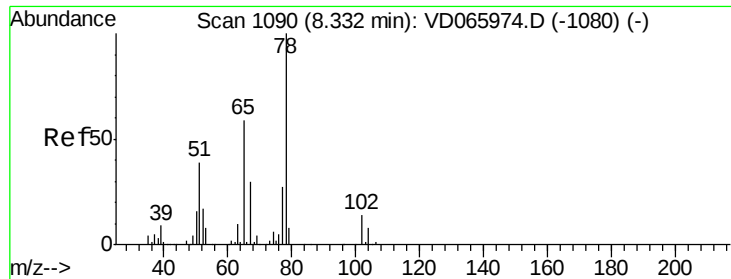
69 119.2 28.0 42.0#

84 103.6 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

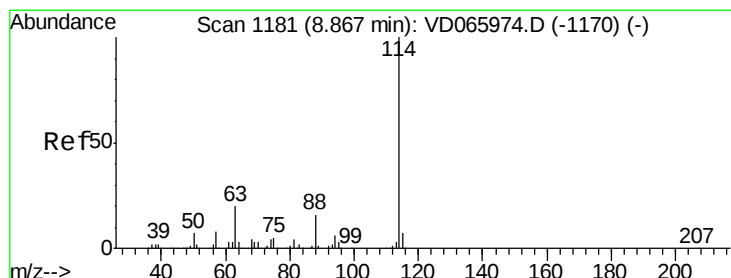
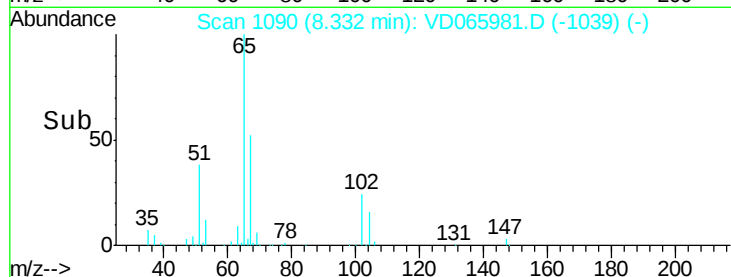
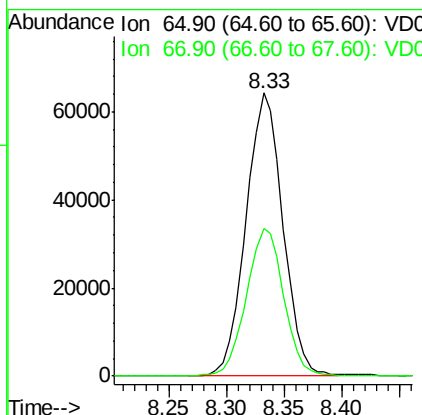
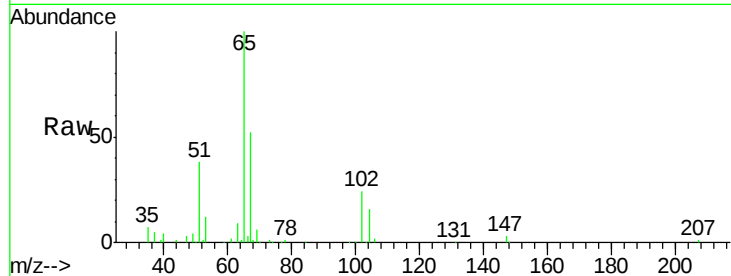




#33
 1,2-Dichloroethane-d4
 Concen: 56.117 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065981.D
 Acq: 21 Jul 2020 15:44

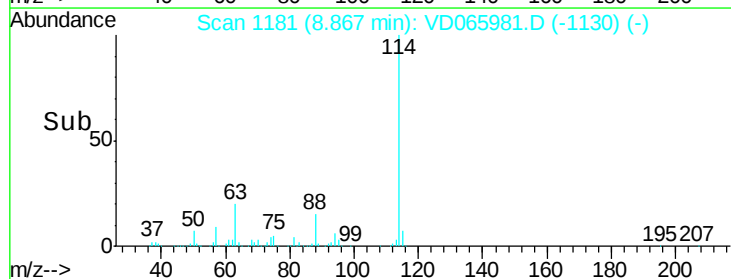
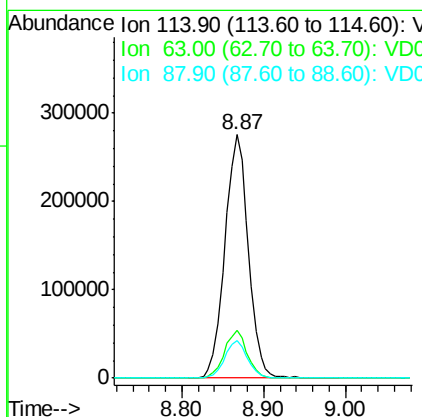
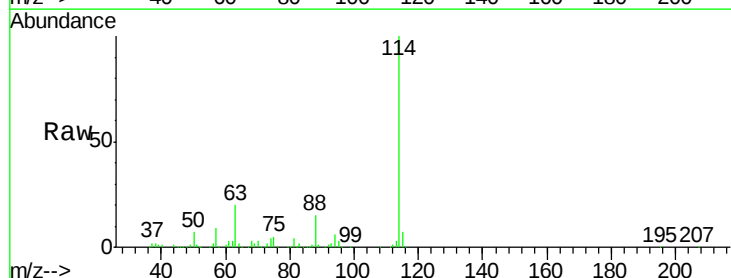
Instrument :
 MSVOA_D
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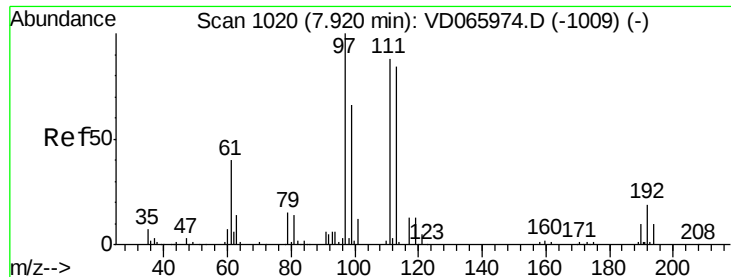
Tgt Ion: 65 Resp: 143415
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065981.D
 Acq: 21 Jul 2020 15:44

Tgt Ion: 114 Resp: 550298
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.6
 88 15.3 0.0 31.2

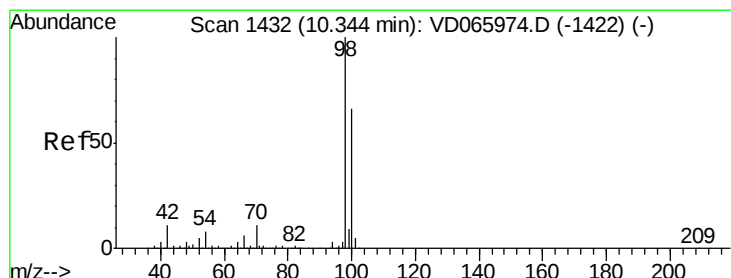
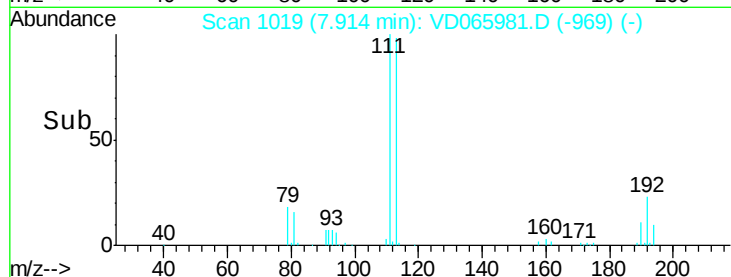
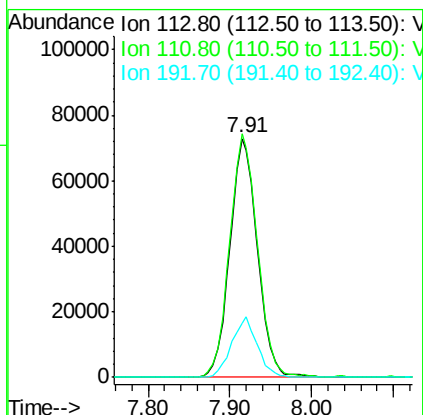
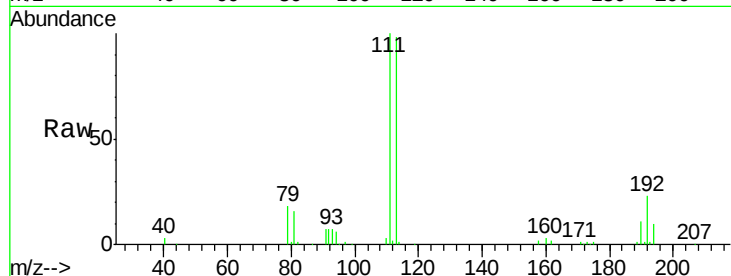




#35
Dibromofluoromethane
Concen: 51.058 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD065981.D
Acq: 21 Jul 2020 15:44

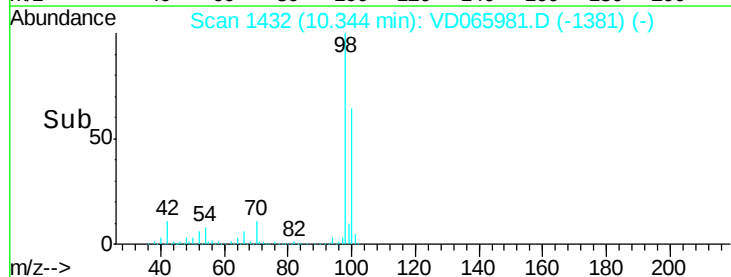
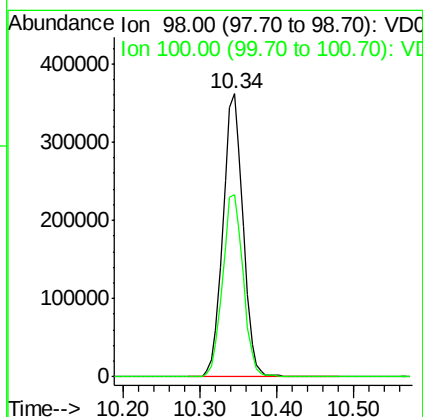
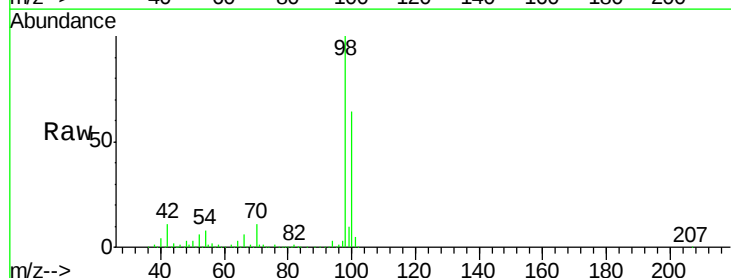
Instrument :
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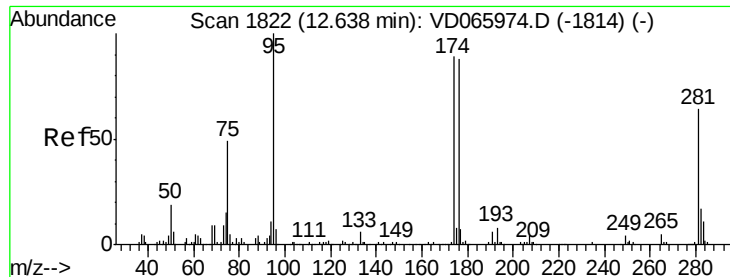
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.2	124.8
192	23.8	18.7	28.1



#50
Toluene-d8
Concen: 52.751 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065981.D
Acq: 21 Jul 2020 15:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1

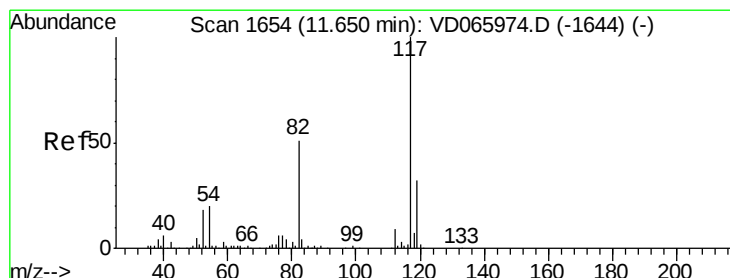
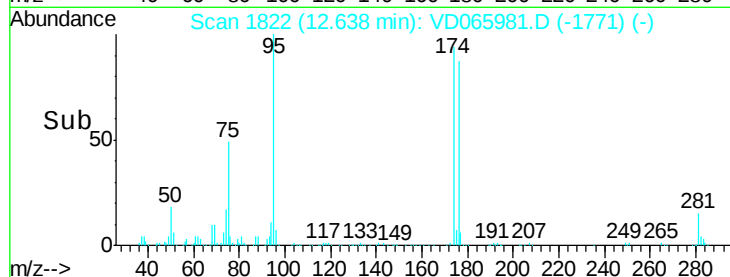
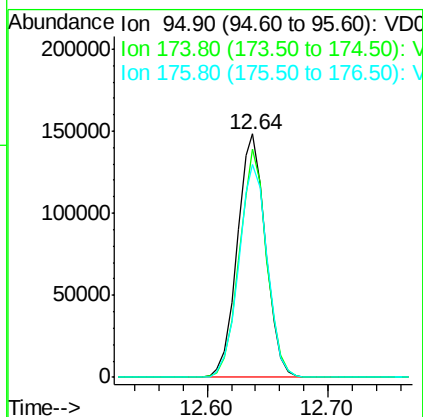
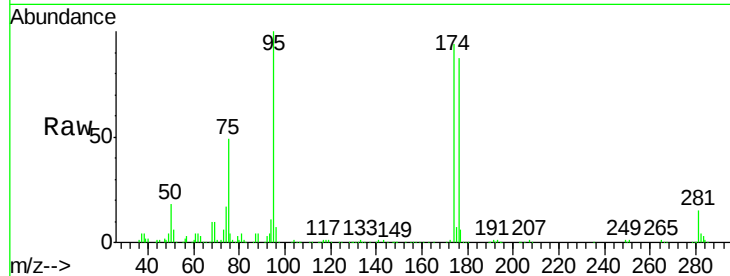




#62
4-Bromofluorobenzene
Concen: 55.947 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065981.D
Acq: 21 Jul 2020 15:44

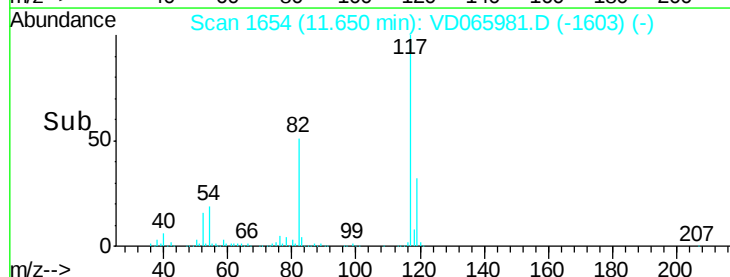
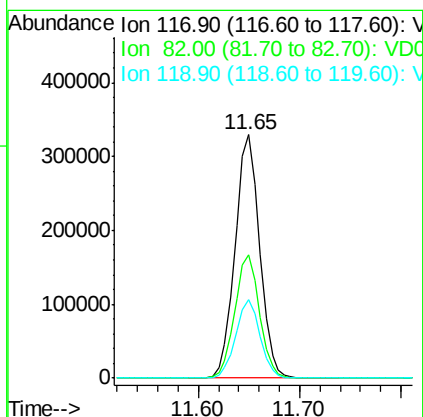
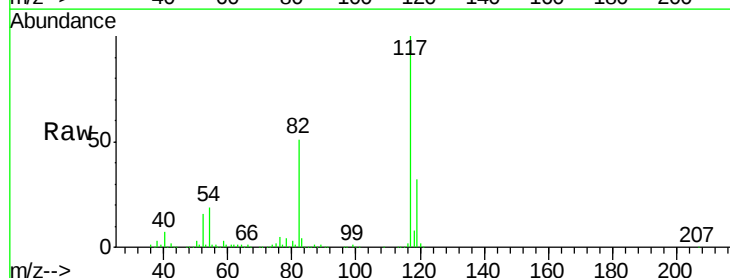
Instrument :
MSVOA_D
ClientSampleId :
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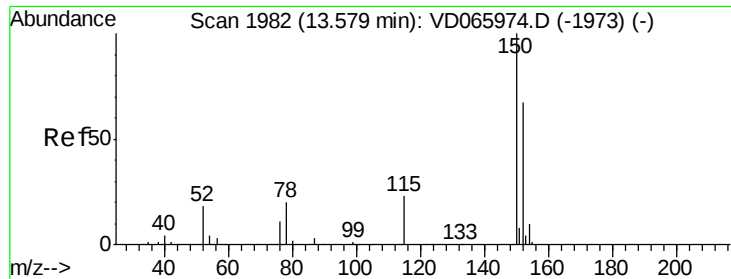
Tgt Ion: 95 Resp: 241203
Ion Ratio Lower Upper
95 100
174 90.2 0.0 178.8
176 88.3 0.0 172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065981.D
Acq: 21 Jul 2020 15:44

Tgt Ion: 117 Resp: 553838
Ion Ratio Lower Upper
117 100
82 50.9 41.1 61.7
119 32.3 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: VD065981.D

Acq: 21 Jul 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

3

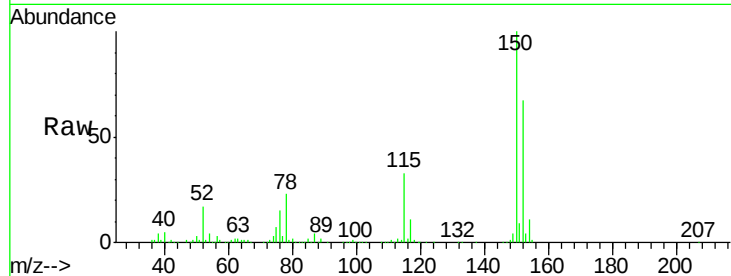
Tgt Ion:152 Resp: 259635

Ion Ratio Lower Upper

152 100

115 53.7 27.9 83.7

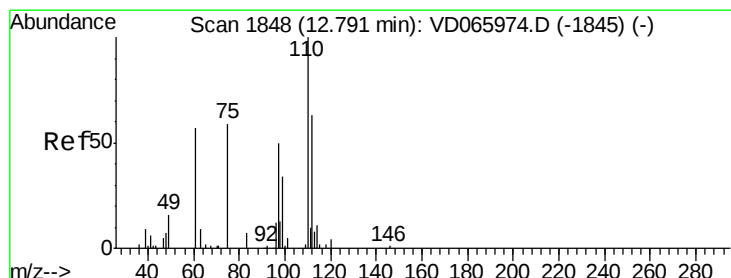
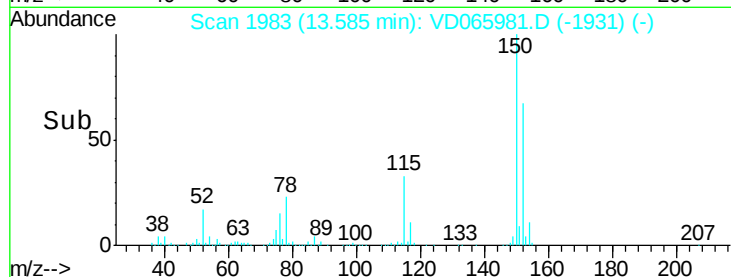
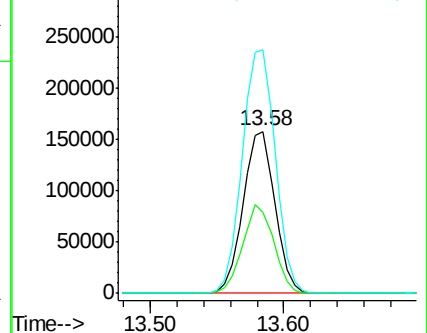
150 156.8 0.0 348.2



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: 59.310 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065981.D

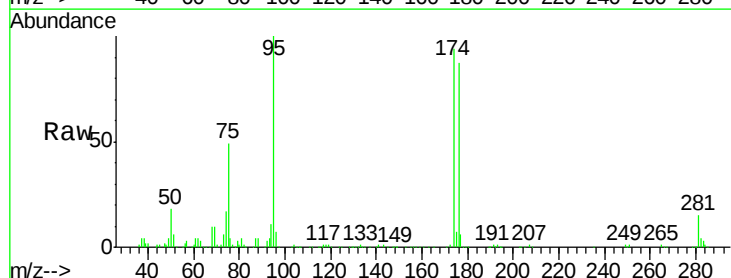
Acq: 21 Jul 2020 15:44

Tgt Ion: 75 Resp: 115947

Ion Ratio Lower Upper

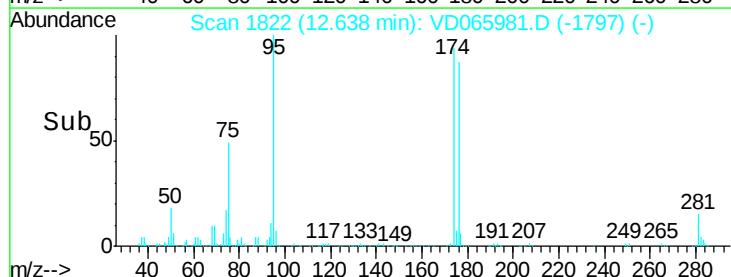
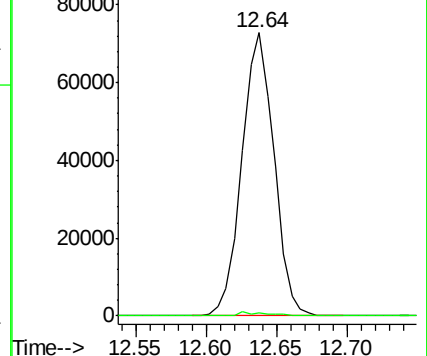
75 100

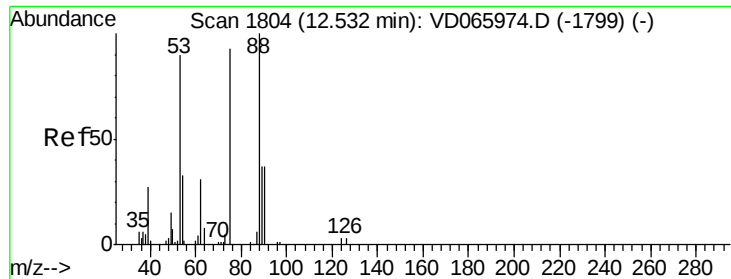
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 136.097 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065981.D

Acq: 21 Jul 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

3

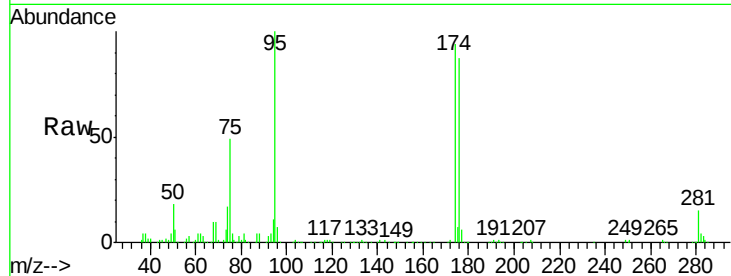
Tgt Ion: 75 Resp: 115947

Ion Ratio Lower Upper

75 100

53 0.1 76.8 115.2#

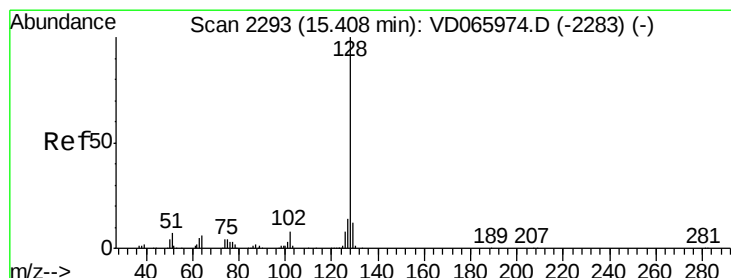
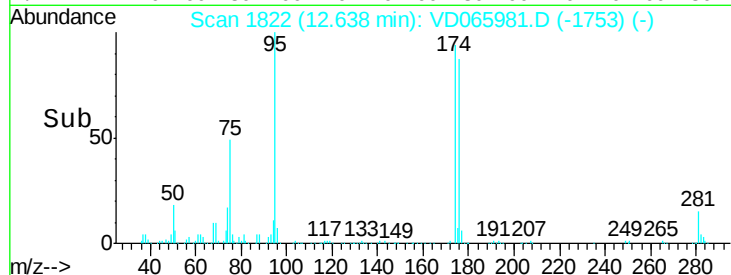
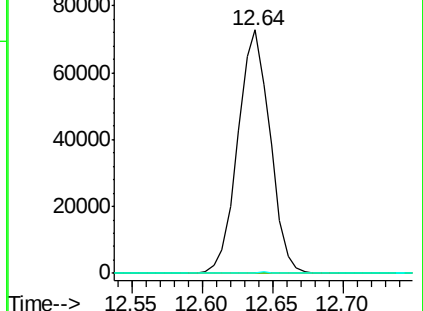
89 0.1 37.0 55.4#



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: 3.756 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065981.D

Acq: 21 Jul 2020 15:44

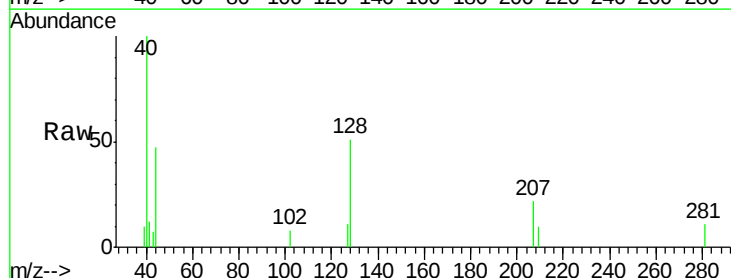
Tgt Ion: 128 Resp: 1849

Ion Ratio Lower Upper

128 100

127 4.4 10.8 16.2#

129 3.1 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

