

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072120\
 Data File : VD065983.D
 Acq On : 21 Jul 2020 16:39
 Operator : VA/SY
 Sample : L3308-09
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 9

Quant Time: Jul 21 17:07:48 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

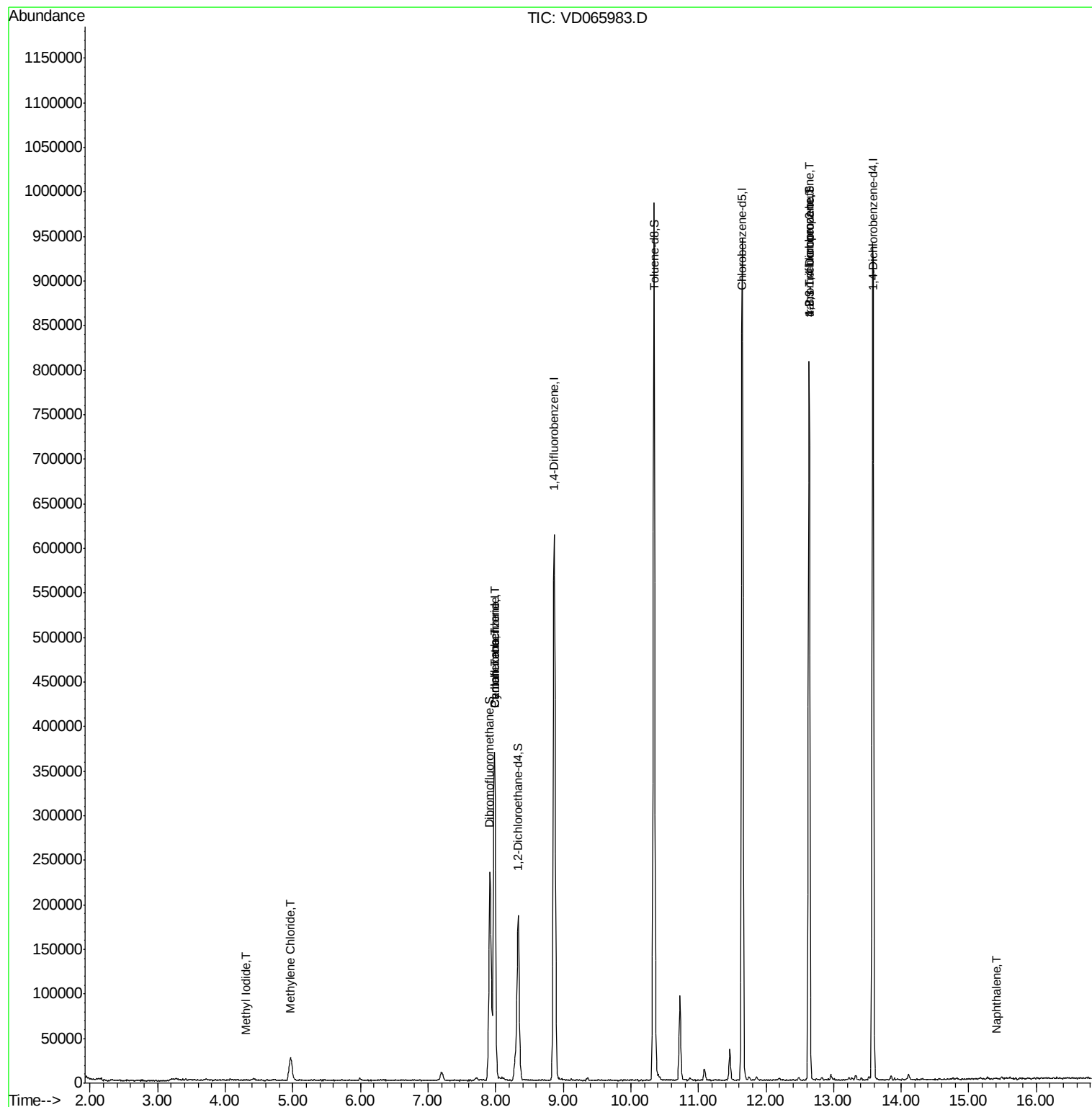
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	307140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	561406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	557578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	268035	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	144734	57.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.82%	
35) Dibromofluoromethane	7.92	113	170882	50.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.36%	
50) Toluene-d8	10.34	98	663846	52.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	12.64	95	243223	55.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.60%	
Target Compounds						
5) Bromomethane	2.78	94	117	Below Cal	#	4
10) Methyl Iodide	4.30	142	361	8.923	ug/l #	66
11) Tert butyl alcohol	5.24	59	127	Below Cal	#	83
20) Methylene Chloride	4.97	84	20866	4.778	ug/l #	85
31) Cyclohexane	7.99	56	7091	1.577	ug/l #	11
38) Carbon Tetrachloride	7.98	117	27507	5.291	ug/l #	19
76) 1,2,3-Trichloropropane	12.64	75	117876	58.407	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	117876	134.025	ug/l #	11
95) Naphthalene	15.41	128	947	3.651	ug/l #	68

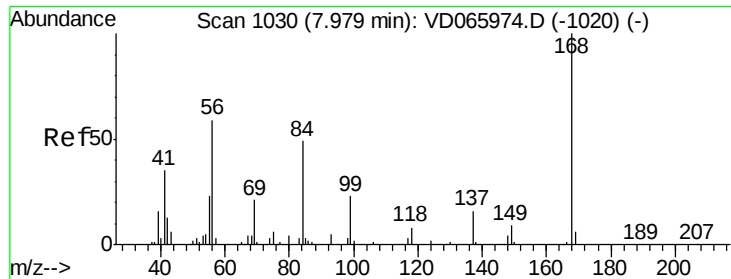
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD072120\
Data File : VD065983.D
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065983.D

Acq: 21 Jul 2020 16:39

Instrument :

MSVOA_D

ClientSampleId :

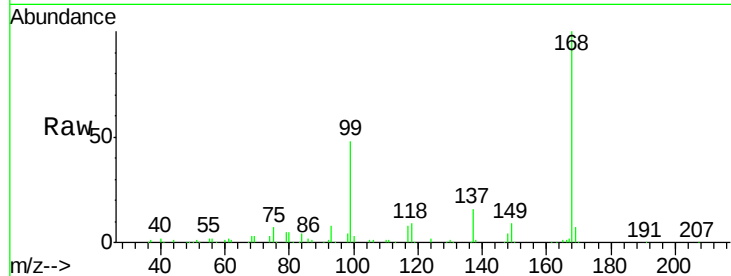
9

Tgt Ion:168 Resp: 307140

Ion Ratio Lower Upper

168 100

99 48.5 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

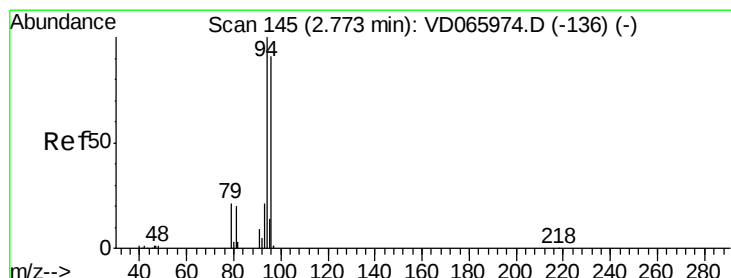
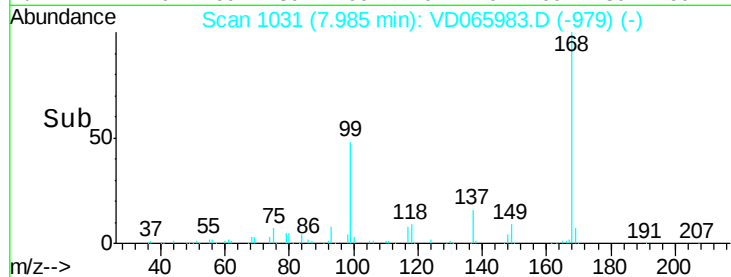
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065983.D

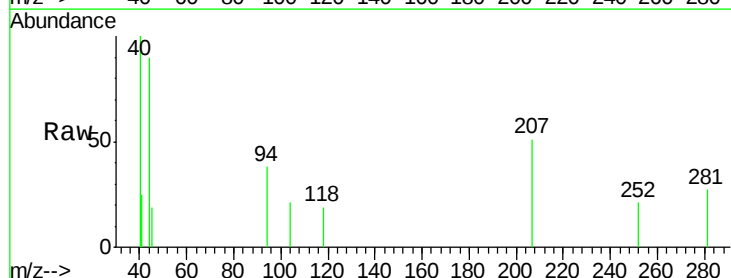
Acq: 21 Jul 2020 16:39

Tgt Ion: 94 Resp: 117

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

2.78

500

400

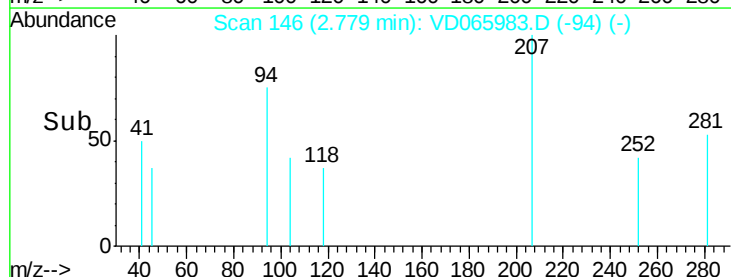
300

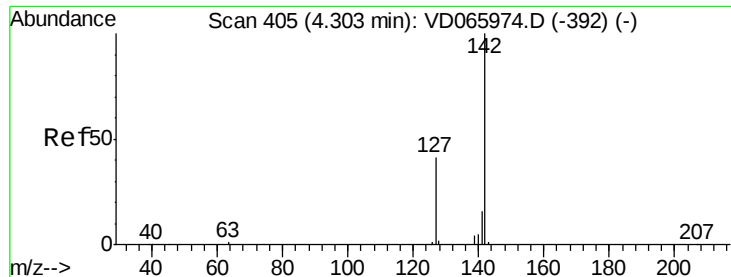
200

100

0

Time-->

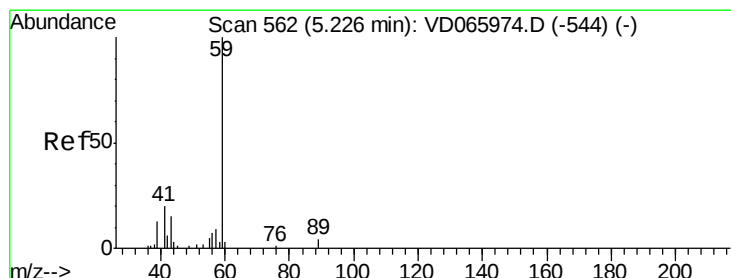
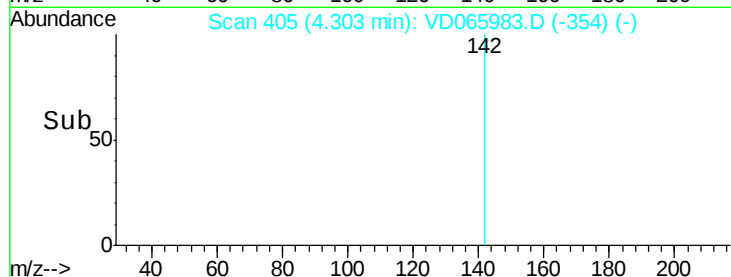
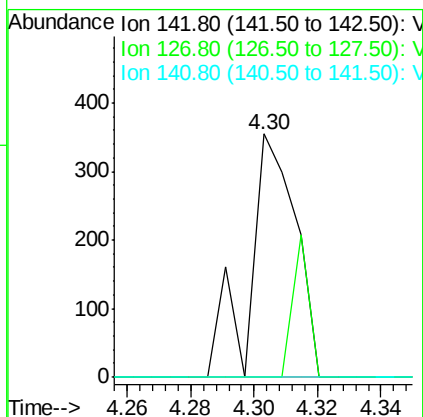
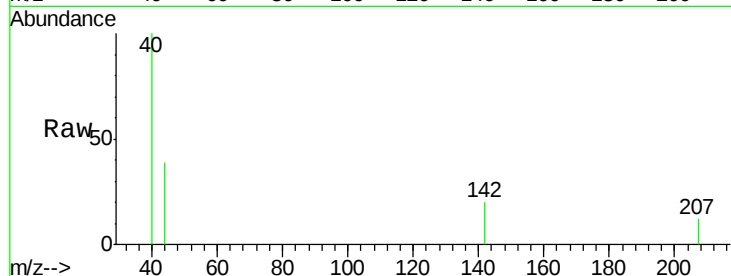




#10
Methyl Iodide
Concen: 8.923 ug/l
RT: 4.30 min Scan# 405
Delta R.T. 0.00 min
Lab File: VD065983.D
Acq: 21 Jul 2020 16:39

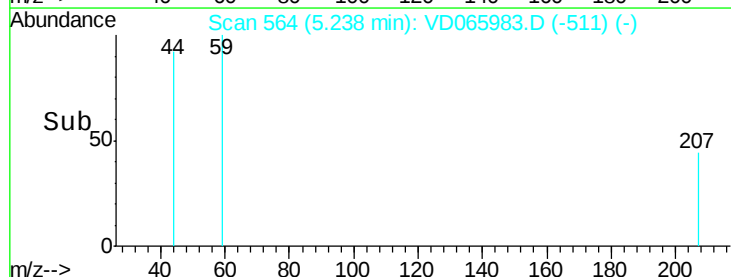
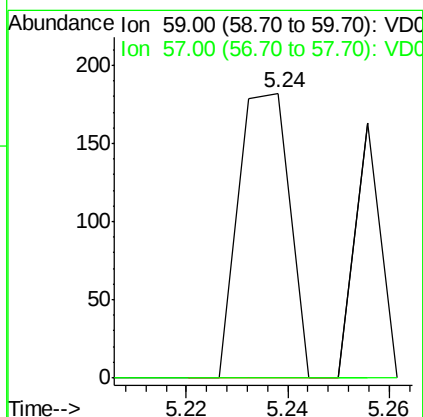
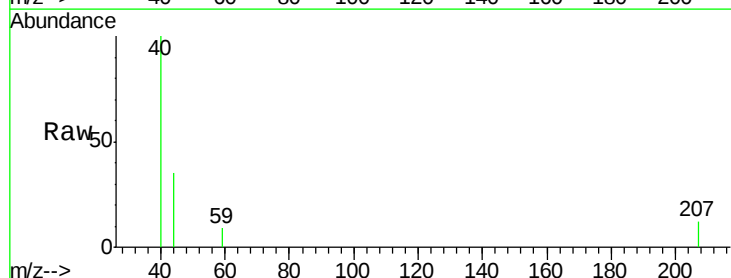
Instrument :
MSVOA_D
ClientSampleId :
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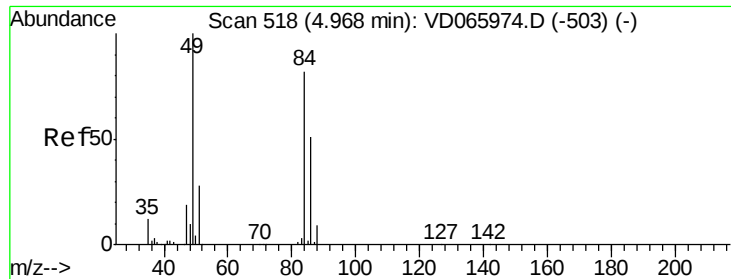
Tgt Ion: 142 Resp: 361
Ion Ratio Lower Upper
142 100
127 20.2 32.9 49.3#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.24 min Scan# 564
Delta R.T. 0.01 min
Lab File: VD065983.D
Acq: 21 Jul 2020 16:39

Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

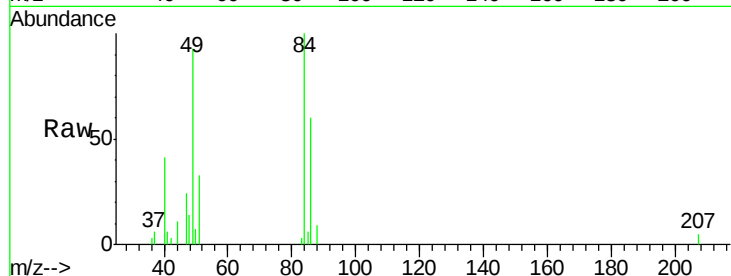




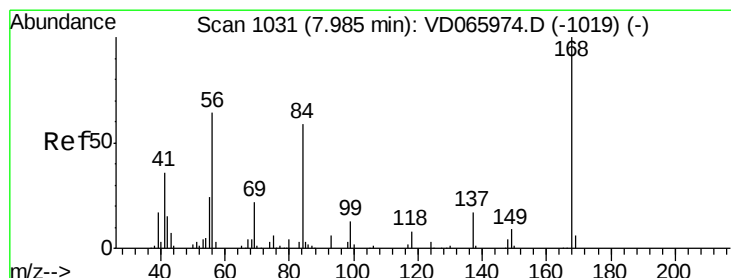
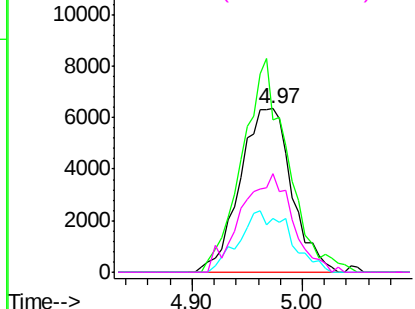
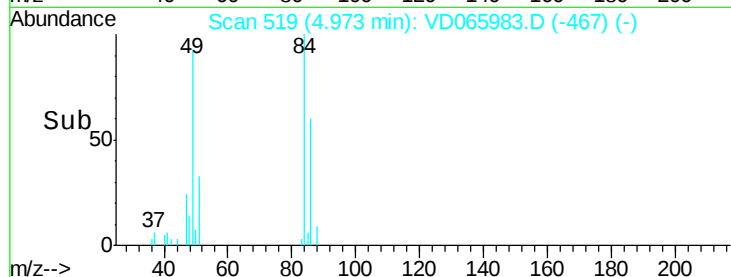
#20
Methylene Chloride
Concen: 4.778 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065983.D
Acq: 21 Jul 2020 16:39

Instrument :
MSVOA_D
ClientSampleId :
9

Tgt Ion: 84 Resp: 20866
Ion Ratio Lower Upper
84 100
49 93.2 97.7 146.5#
51 32.9 27.4 41.2
86 60.4 49.4 74.2

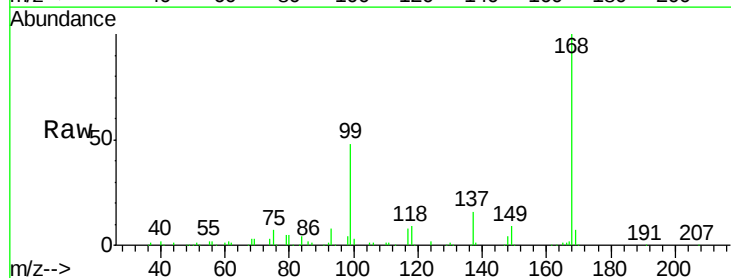


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

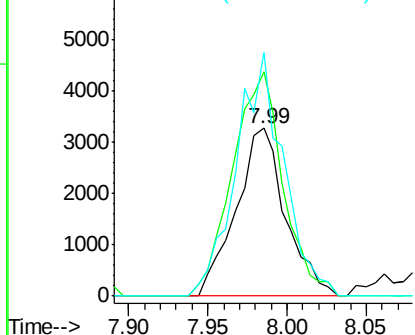
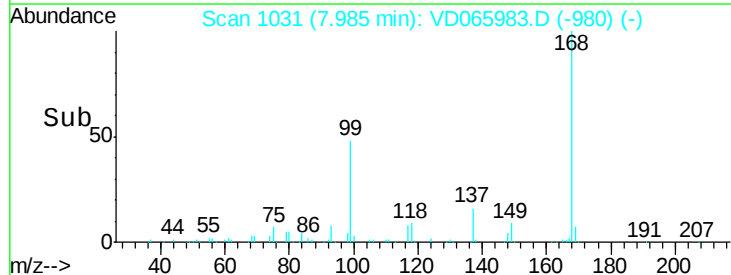


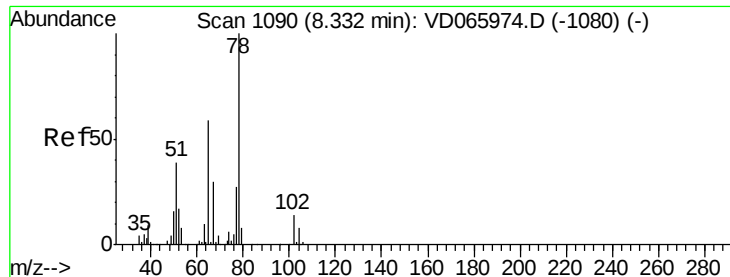
#31
Cyclohexane
Concen: 1.577 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065983.D
Acq: 21 Jul 2020 16:39

Tgt Ion: 56 Resp: 7091
Ion Ratio Lower Upper
56 100
69 133.6 28.0 42.0#
84 145.2 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: 57.913 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065983.D

Acq: 21 Jul 2020 16:39

Instrument :

MSVOA_D

ClientSampleId :

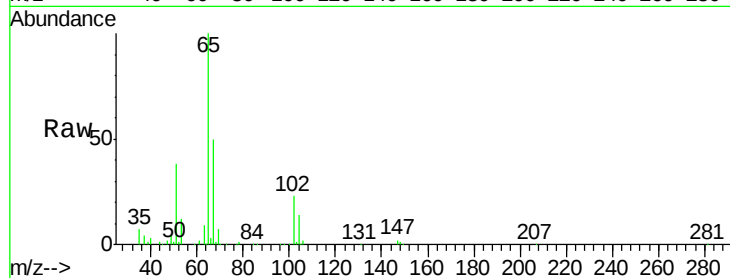
9

Tgt Ion: 65 Resp: 144734

Ion Ratio Lower Upper

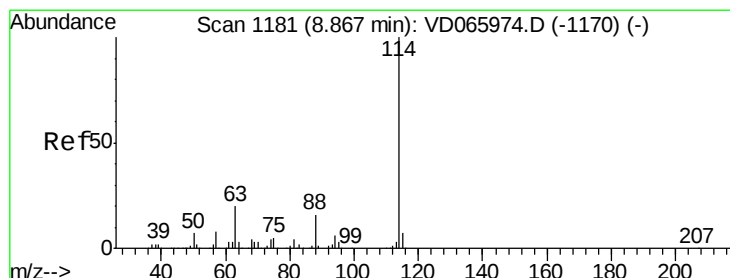
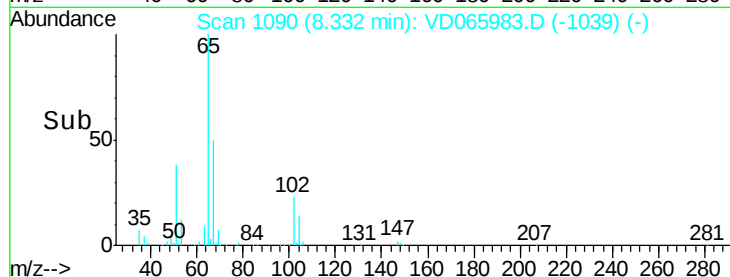
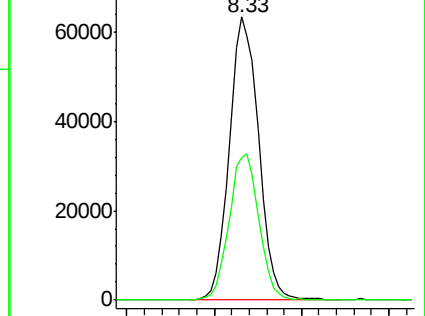
65 100

67 52.3 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: VD065983.D

Acq: 21 Jul 2020 16:39

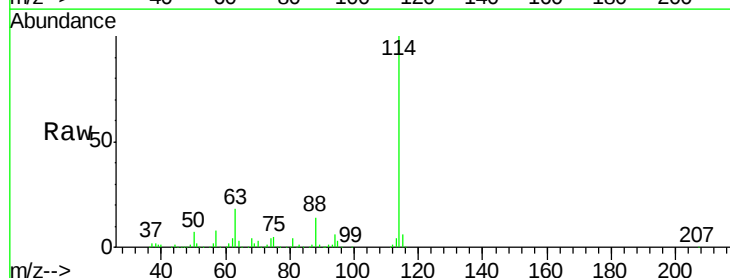
Tgt Ion: 114 Resp: 561406

Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.6

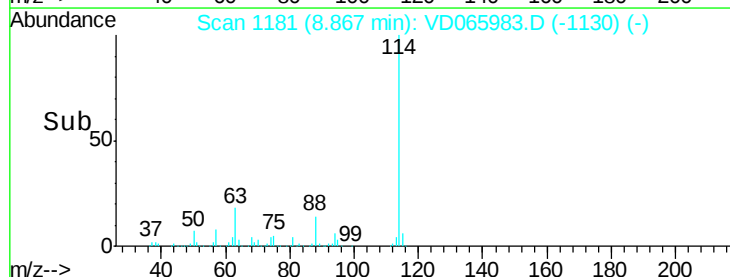
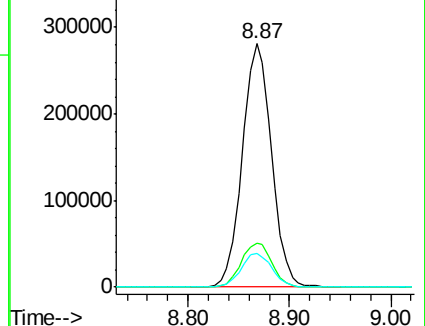
88 13.9 0.0 31.2

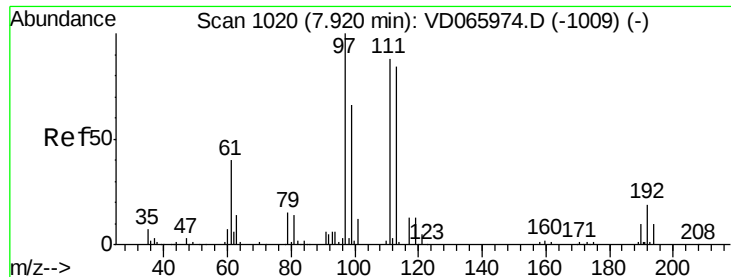


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

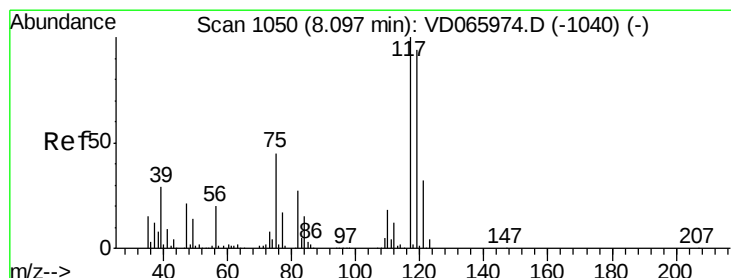
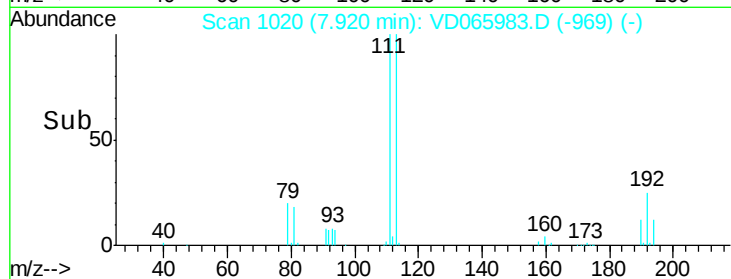
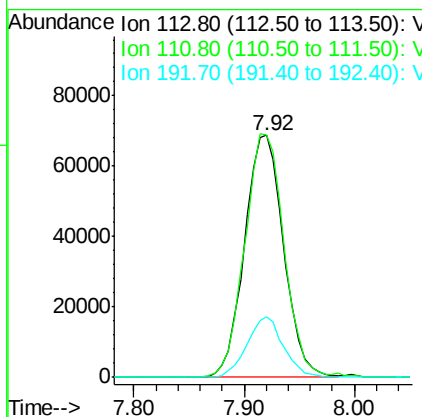
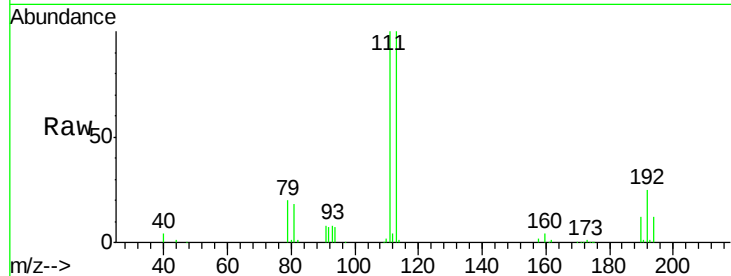




#35
 Dibromofluoromethane
 Concen: 50.184 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065983.D
 Acq: 21 Jul 2020 16:39

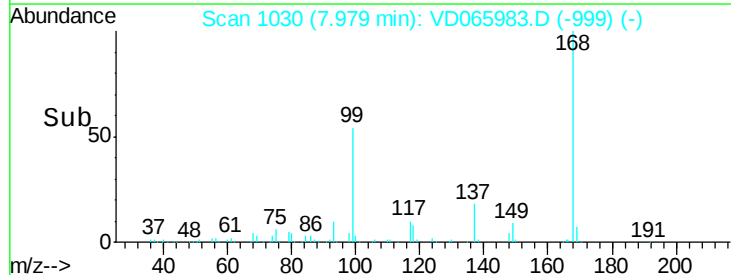
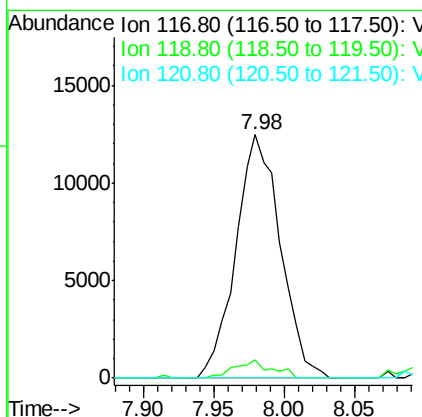
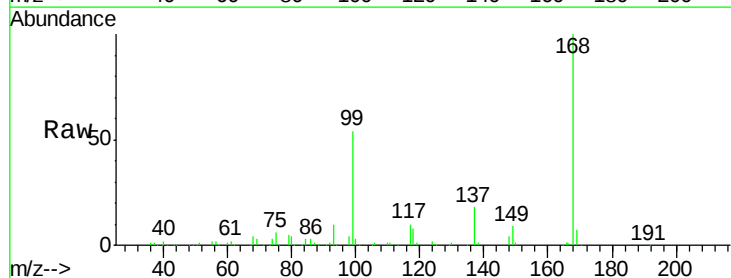
Instrument :
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 ClientSampleId :
 9

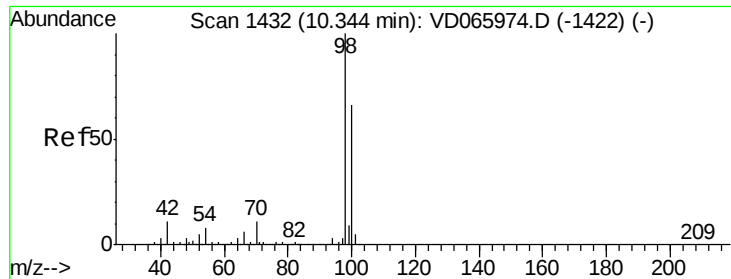
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.2	124.8
192	23.3	18.7	28.1



#38
 Carbon Tetrachloride
 Concen: 5.291 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065983.D
 Acq: 21 Jul 2020 16:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.5	75.0	112.6#
121	0.0	25.5	38.3#





#50

Toluene-d8

Concen: 52.334 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065983.D

Acq: 21 Jul 2020 16:39

Instrument :

MSVOA_D

ClientSampleId :

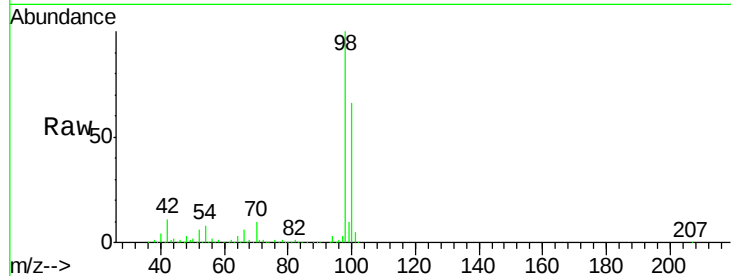
9

Tgt Ion: 98 Resp: 663846

Ion Ratio Lower Upper

98 100

100 66.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

400000

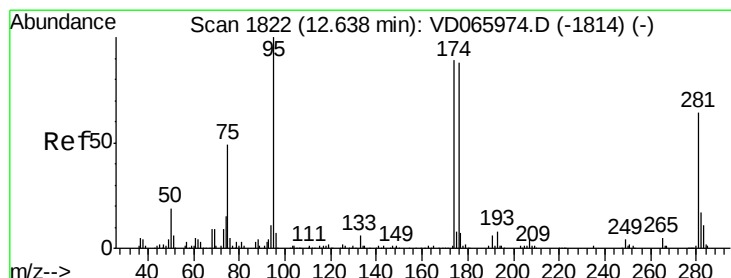
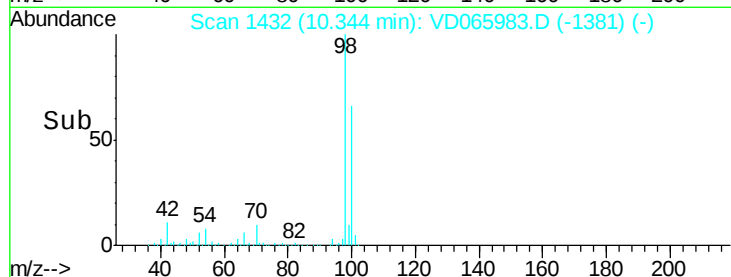
300000

200000

100000

0

Time--> 10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 55.299 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065983.D

Acq: 21 Jul 2020 16:39

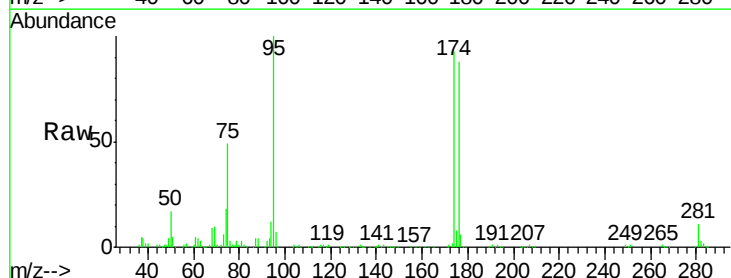
Tgt Ion: 95 Resp: 243223

Ion Ratio Lower Upper

95 100

174 94.1 0.0 178.8

176 89.8 0.0 172.6



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

12.64

200000

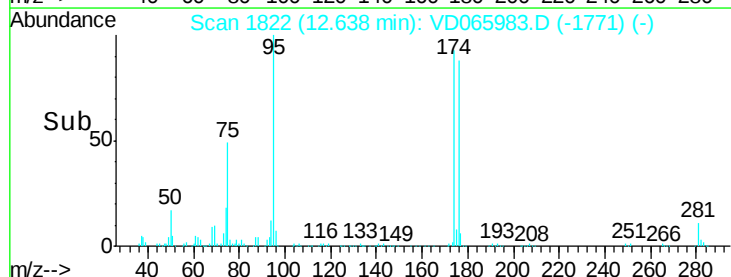
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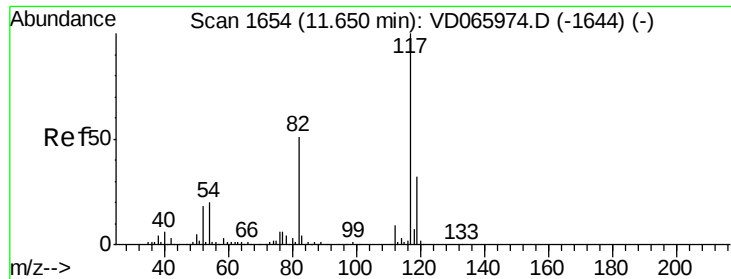
100000

50000

0

Time--> 12.55 12.60 12.65 12.70

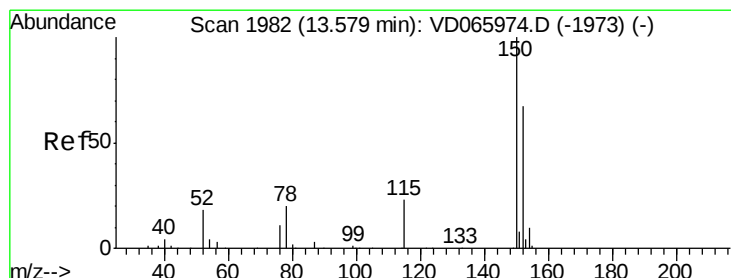
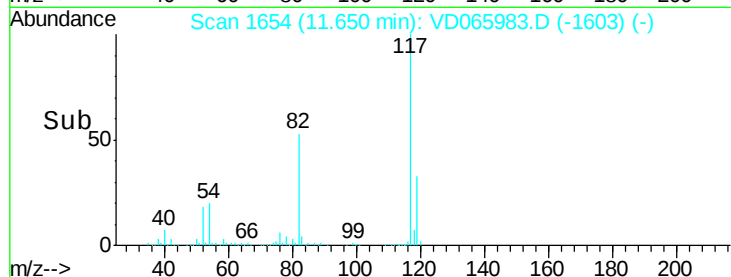
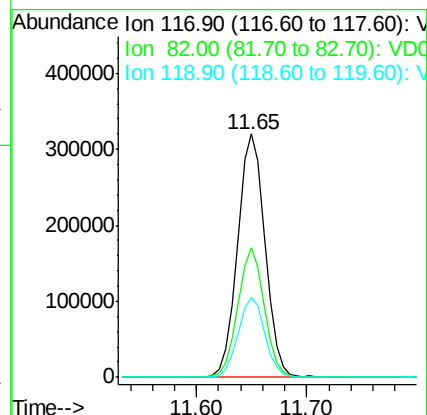
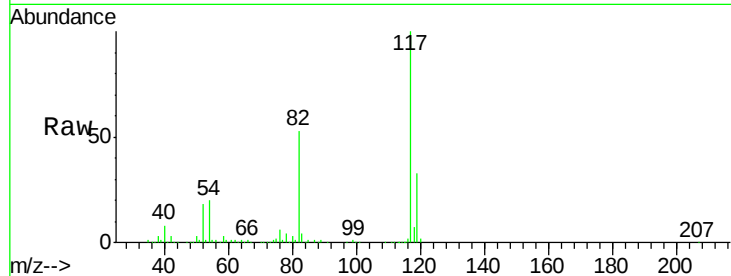




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065983.D
Acq: 21 Jul 2020 16:39

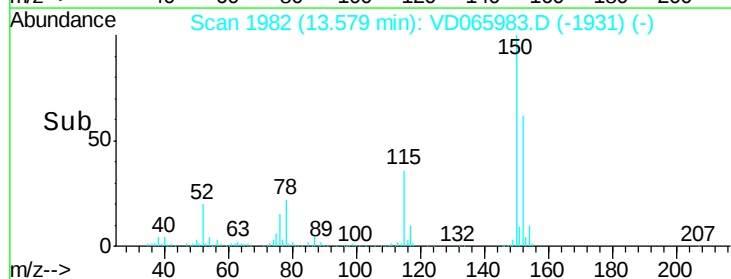
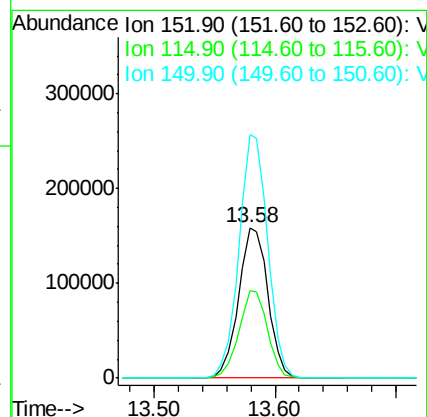
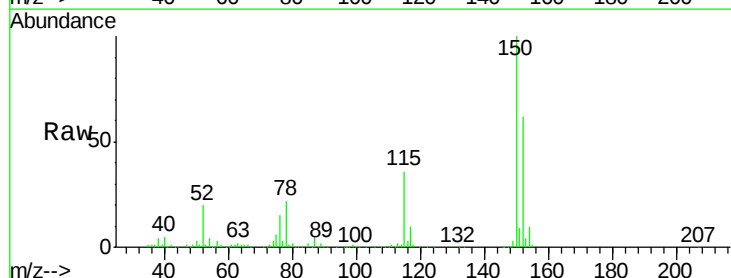
Instrument :
MSVOA_D
ClientSampleId :
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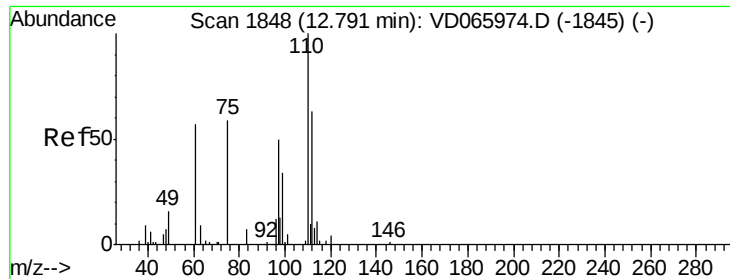
Tgt Ion:117 Resp: 557578
Ion Ratio Lower Upper
117 100
82 53.5 41.1 61.7
119 32.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065983.D
Acq: 21 Jul 2020 16:39

Tgt Ion:152 Resp: 268035
Ion Ratio Lower Upper
152 100
115 56.6 27.9 83.7
150 158.6 0.0 348.2

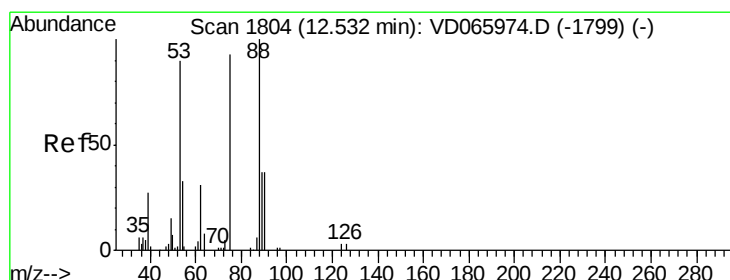
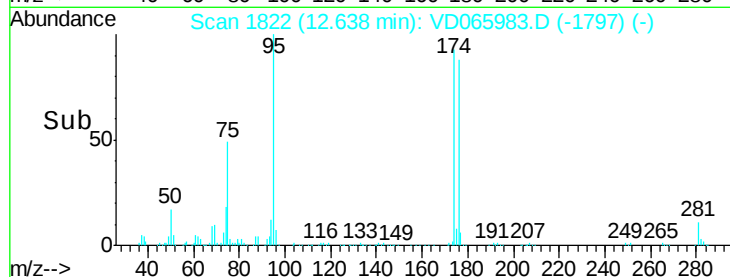
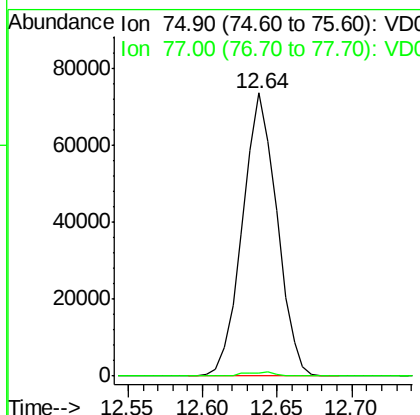
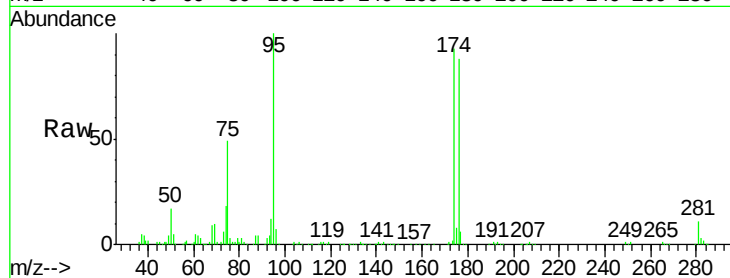




#76
 1,2,3-Trichloropropane
 Concen: 58.407 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD065983.D
 Acq: 21 Jul 2020 16:39

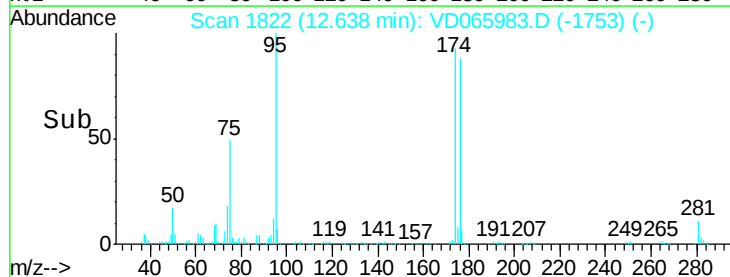
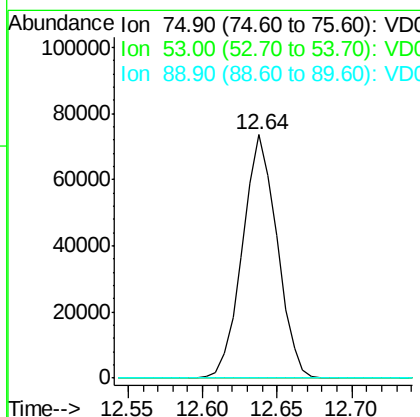
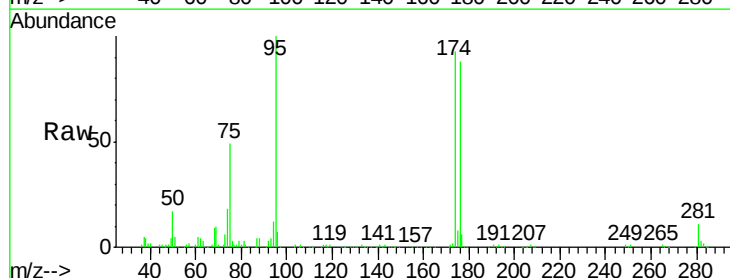
Instrument :
 MSVOA_D
 ClientSampleId :
 9

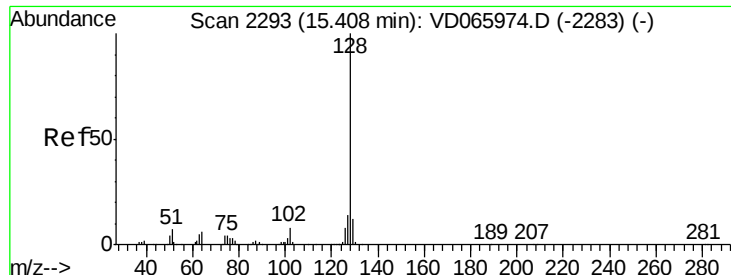
Tgt Ion: 75 Resp: 117876
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.025 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD065983.D
 Acq: 21 Jul 2020 16:39

Tgt Ion: 75 Resp: 117876
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.8 115.2#
 89 0.1 37.0 55.4#





#95

Naphthalene

Concen: 3.651 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD065983.D

Acq: 21 Jul 2020 16:39

Instrument :

MSVOA_D

ClientSampleId :

9

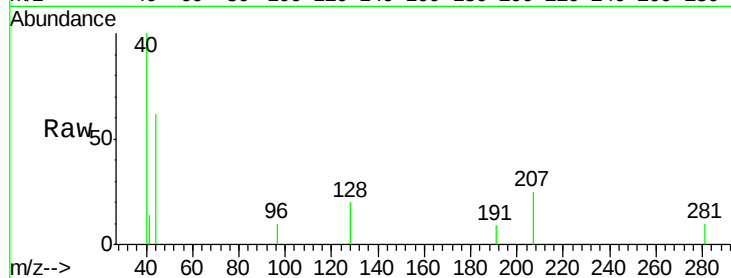
Tgt Ion:128 Resp: 947

Ion Ratio Lower Upper

128 100

127 0.0 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

