

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065454.D
 Acq On : 09 Mar 2020 17:17
 Operator : VA/SY
 Sample : L1844-04RE
 Misc : 8.37G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 10 12:24:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	534972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	923116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	872092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	393735	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	275444	60.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	120.04%	
35) Dibromofluoromethane	7.92	113	300906	52.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.42%	
50) Toluene-d8	10.34	98	1135174	51.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.64	95	343210	50.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.52%	

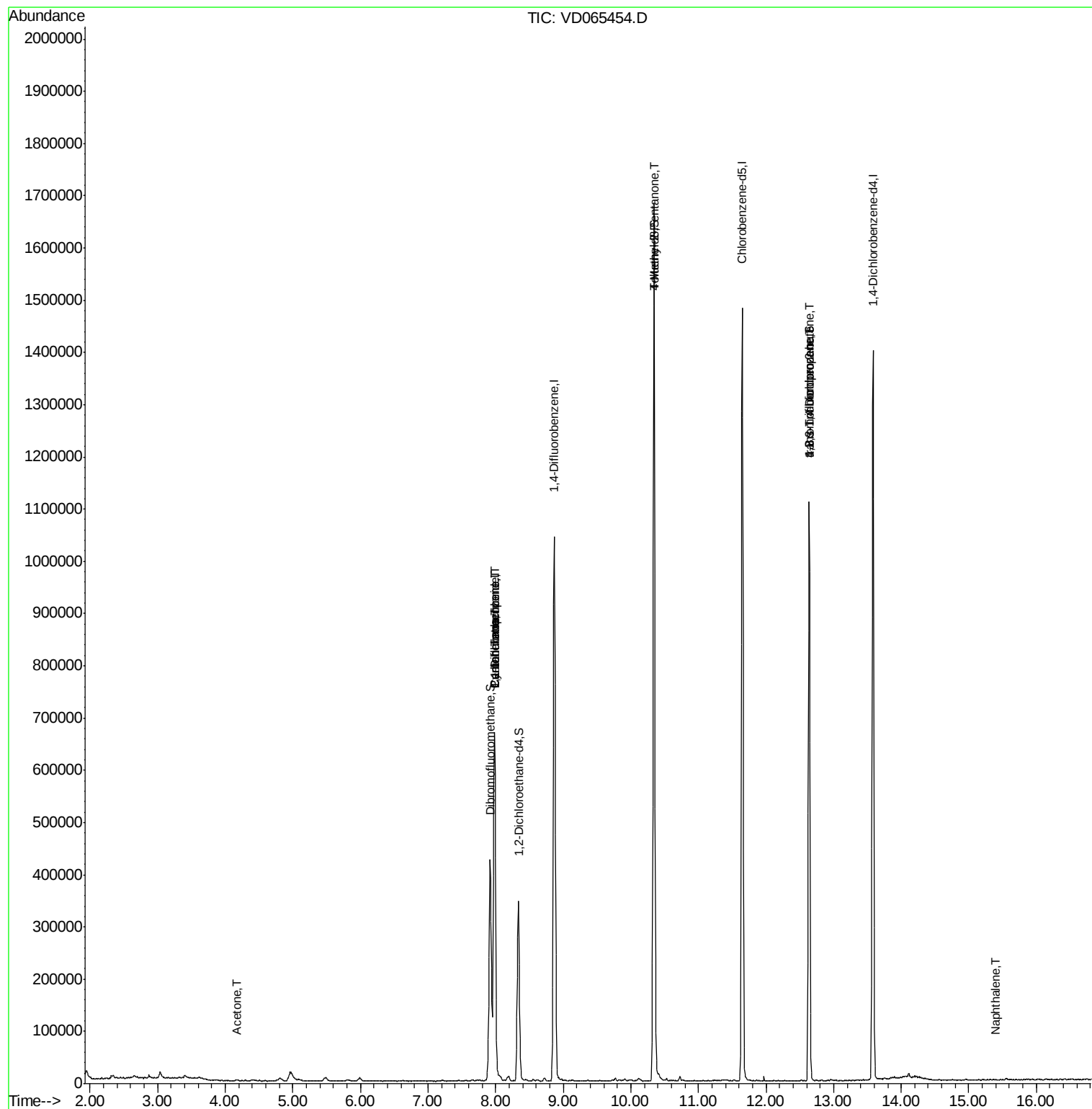
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	204	Below Cal		88
16) Acetone	4.17	43	3407	3.671	ug/l	96
20) Methylene Chloride	4.96	84	13233	Below Cal		94
31) Cyclohexane	7.99	56	11121	1.220	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	37297	4.215	ug/l #	49
38) Carbon Tetrachloride	7.98	117	50072	5.457	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	4671	1.470	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	167888	54.037	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	167888	114.035	ug/l #	14
95) Naphthalene	15.40	128	176	4.420	ug/l #	69

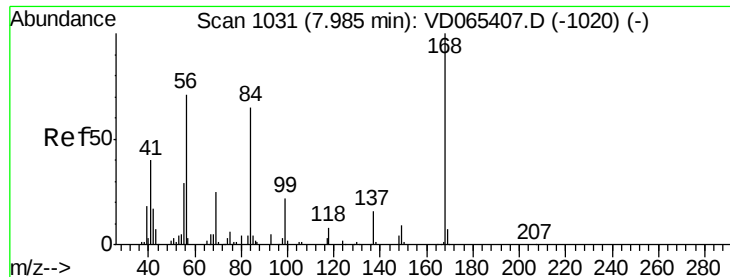
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030920\
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Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065454.D

Acq: 09 Mar 2020 17:17

Instrument :

MSVOA_D

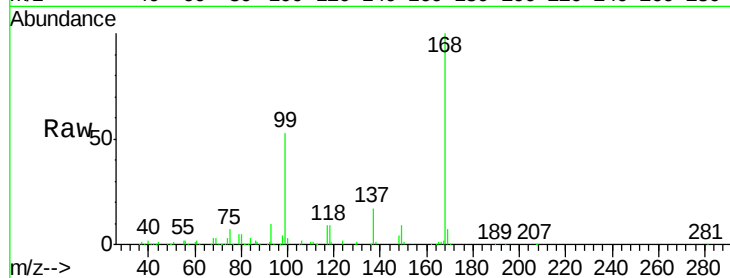
ClientSampleId :

Tot Ion:168 Resp: 534972

Ion Ratio Lower Upper

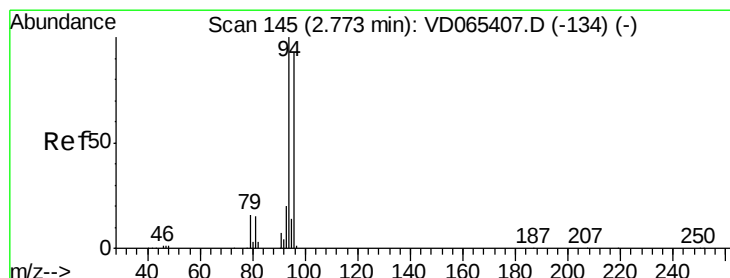
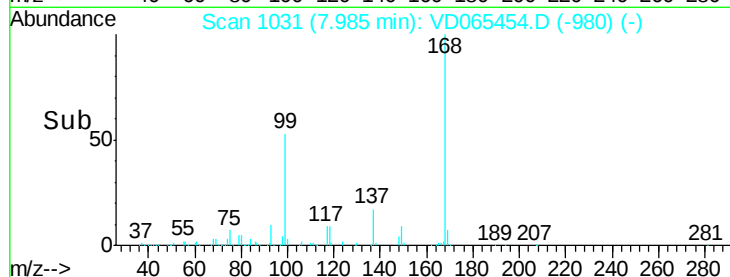
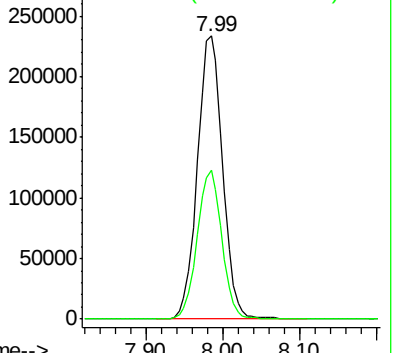
168 100

99 52.7 41.5 62.3



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: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065454.D

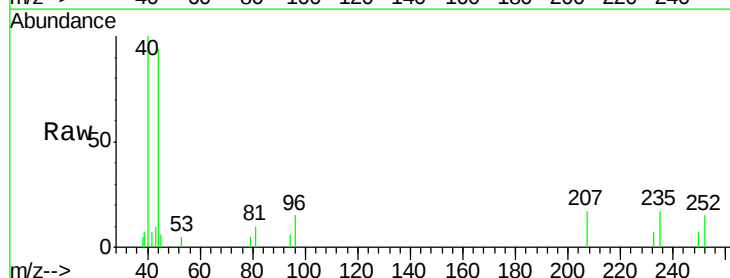
Acq: 09 Mar 2020 17:17

Tgt Ion: 94 Resp: 204

Ion Ratio Lower Upper

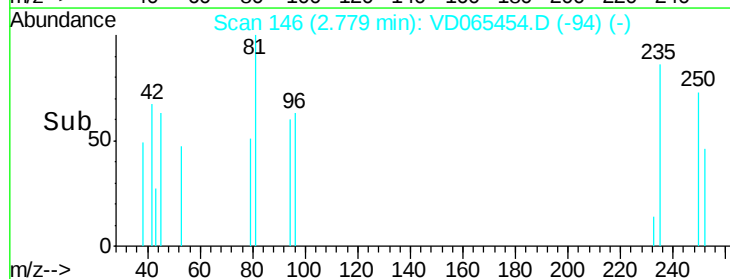
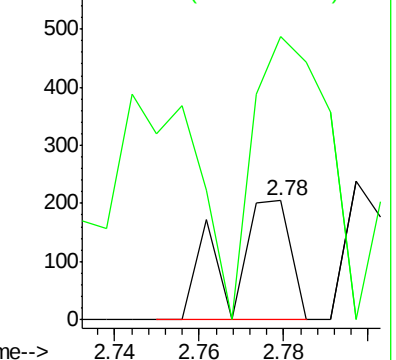
94 100

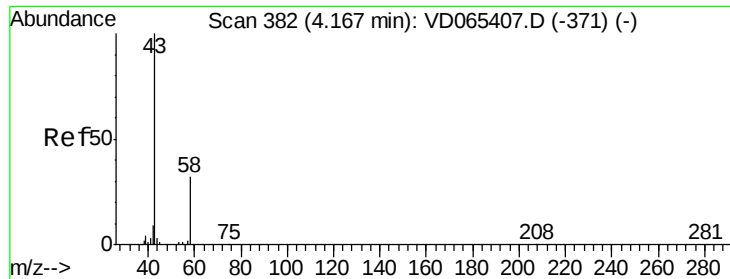
96 82.0 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 3.671 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065454.D

Acq: 09 Mar 2020 17:17

Instrument :

MSVOA_D

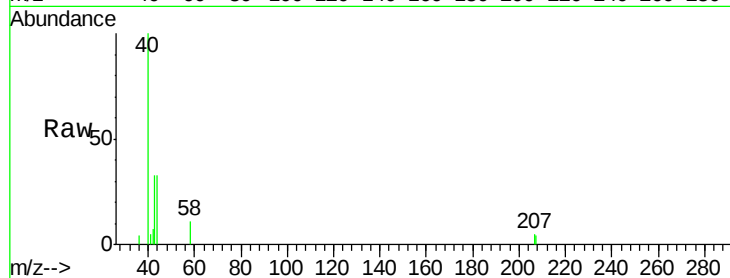
ClientSampled :

Tot Ion: 43 Resp: 3407

Ion Ratio Lower Upper

43 100

58 33.4 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

1500

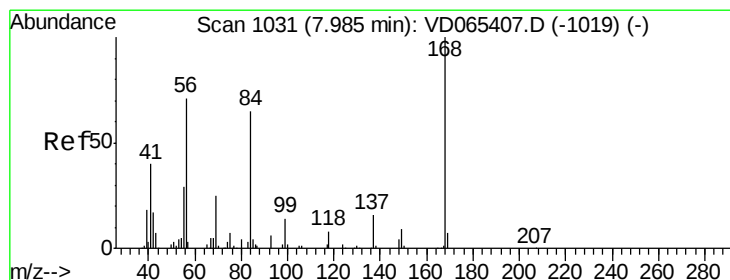
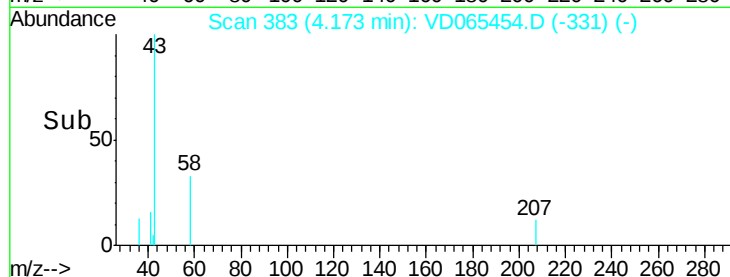
1000

500

0

4.10 4.15 4.20 4.25

Time-->



#31

Cyclohexane

Concen: 1.220 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065454.D

Acq: 09 Mar 2020 17:17

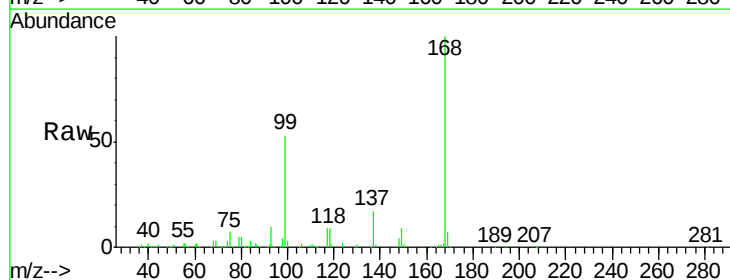
Tgt Ion: 56 Resp: 11121

Ion Ratio Lower Upper

56 100

69 159.2 28.3 42.5#

84 162.3 73.1 109.7#



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

10000

8000

6000

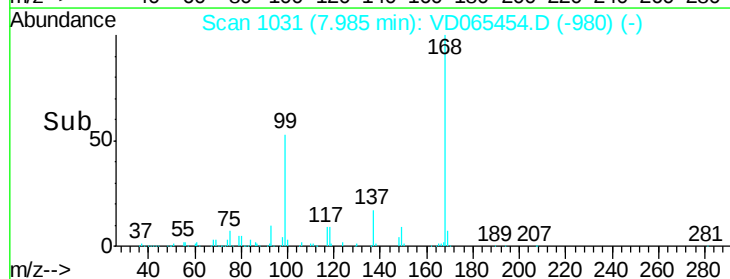
4000

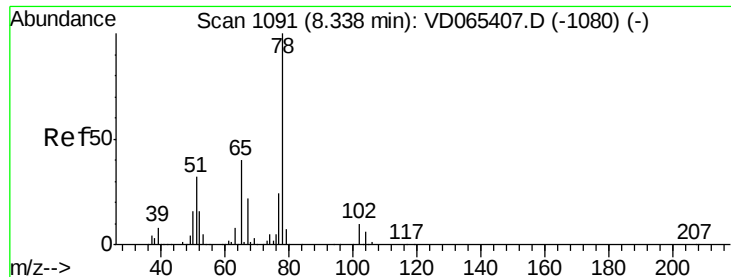
2000

0

7.90 7.95 8.00 8.05

Time-->





#33

1,2-Dichloroethane-d4

Concen: 60.023 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065454.D

Acq: 09 Mar 2020 17:17

Instrument :

MSVOA_D

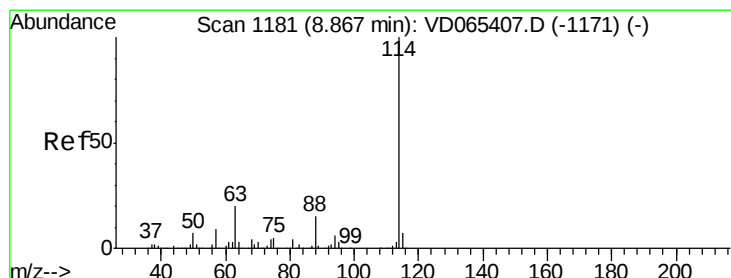
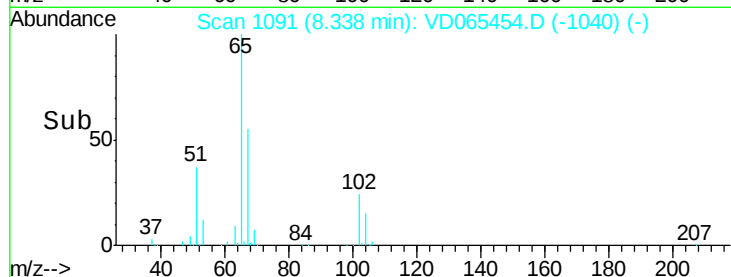
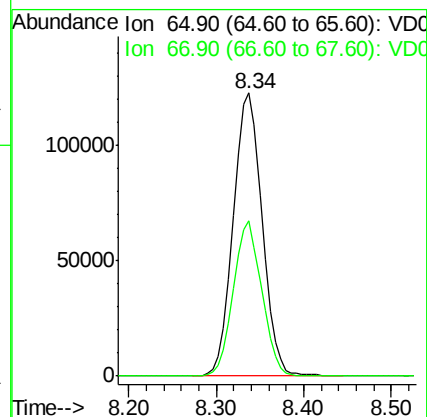
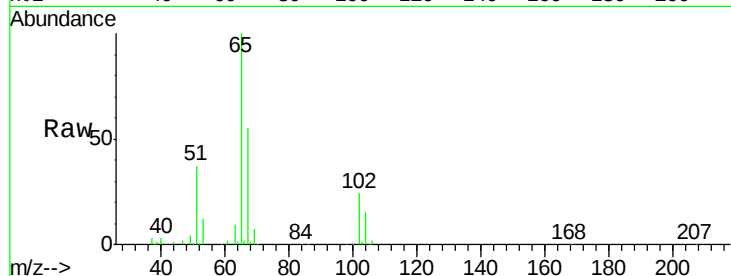
ClientSampleId :

Tot Ion: 65 Resp: 275444

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065454.D

Acq: 09 Mar 2020 17:17

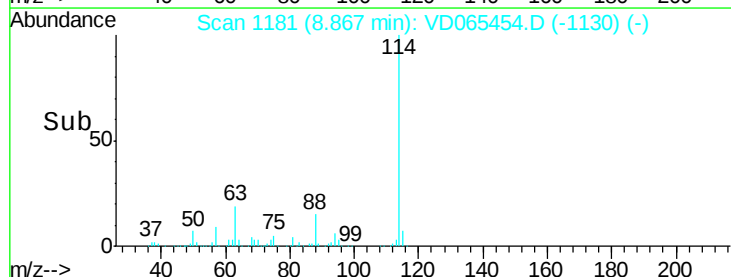
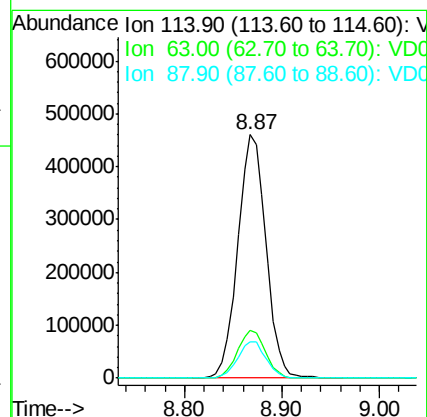
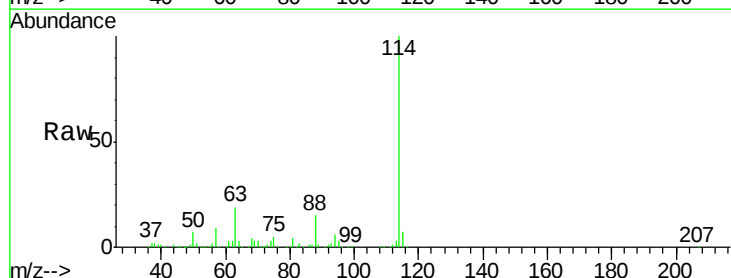
Tgt Ion: 114 Resp: 923116

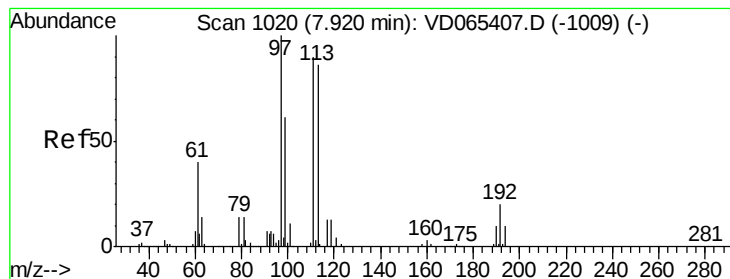
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 15.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.711 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065454.D

Acq: 09 Mar 2020 17:17

Instrument :

MSVOA_D

ClientSampleId :

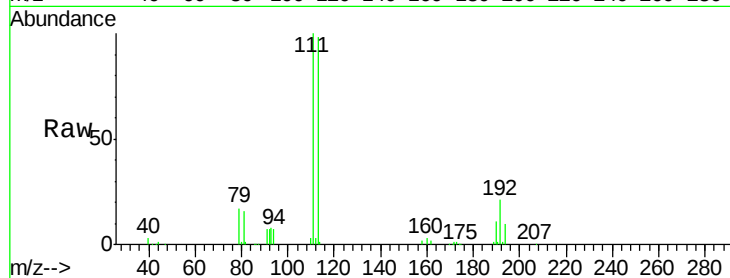
Tot Ion:113 Resp: 300906

Ion Ratio Lower Upper

113 100

111 103.0 82.1 123.1

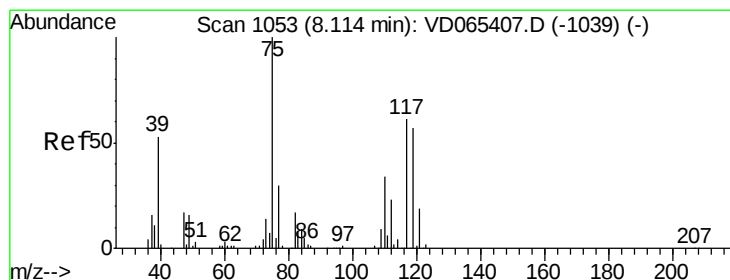
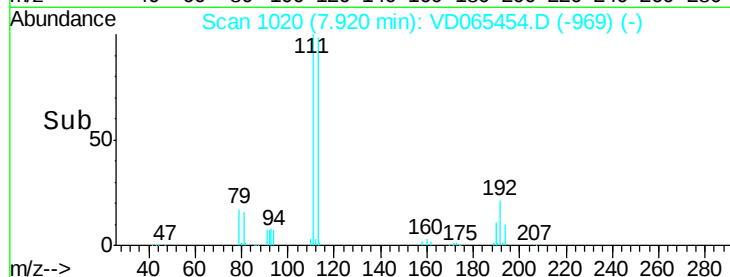
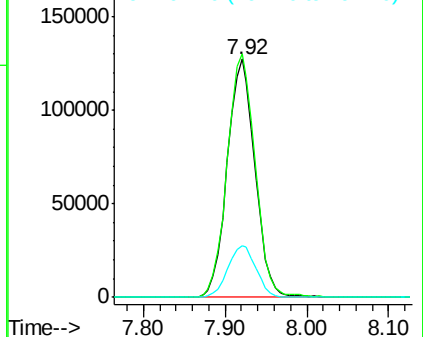
192 22.2 17.2 25.8



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: 4.215 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD065454.D

Acq: 09 Mar 2020 17:17

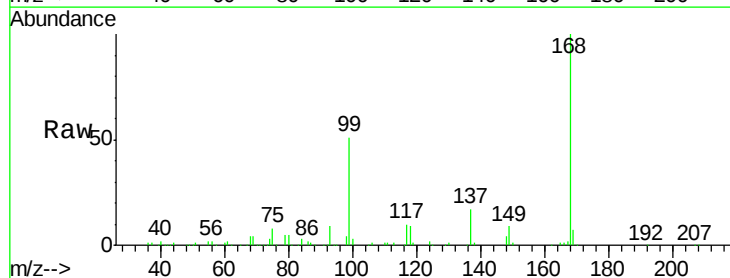
Tgt Ion: 75 Resp: 37297

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.1#

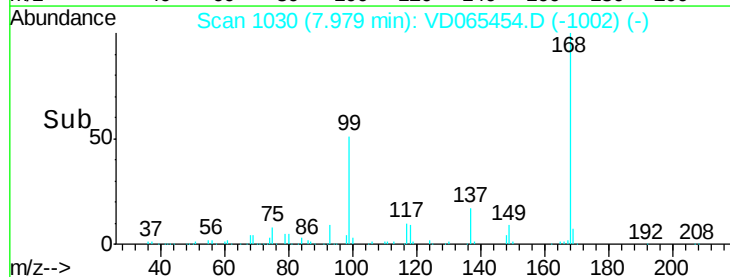
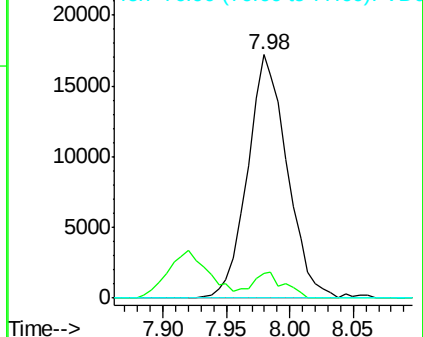
77 0.0 25.2 37.8#

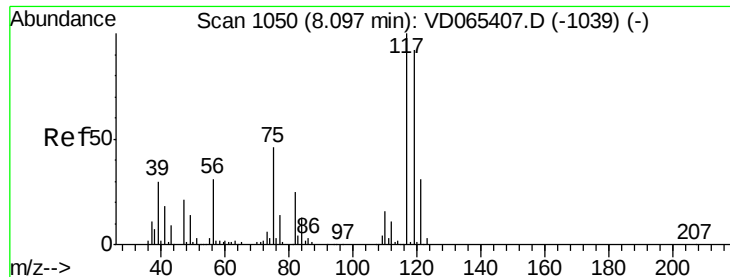


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

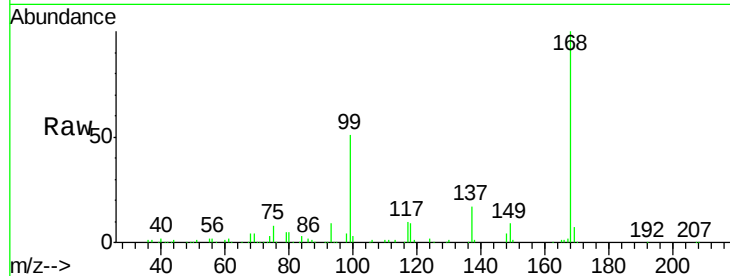




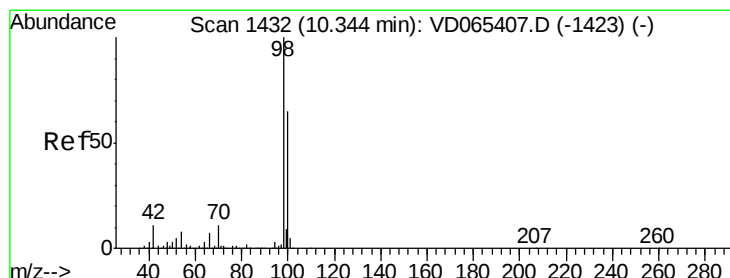
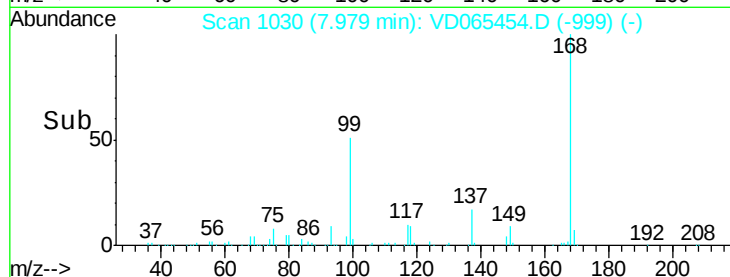
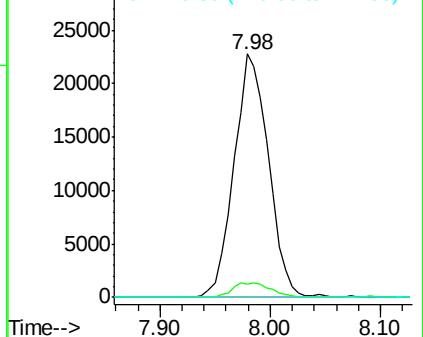
#38
Carbon Tetrachloride
Concen: 5.457 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065454.D
Acq: 09 Mar 2020 17:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 50072
Ion Ratio Lower Upper
117 100
119 5.6 73.3 109.9#
121 0.0 25.0 37.4#

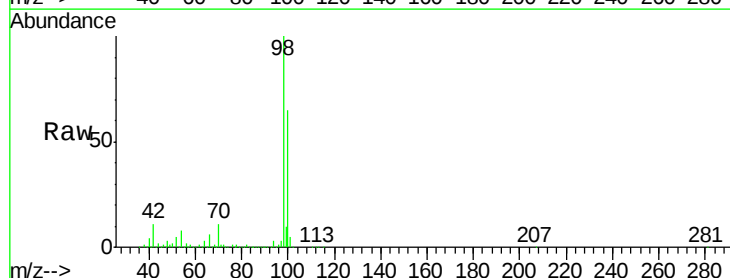


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

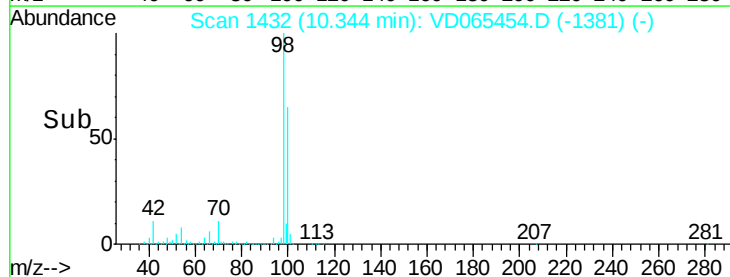
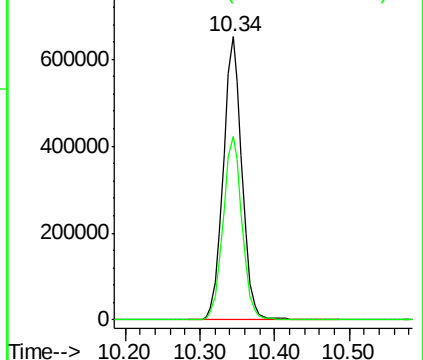


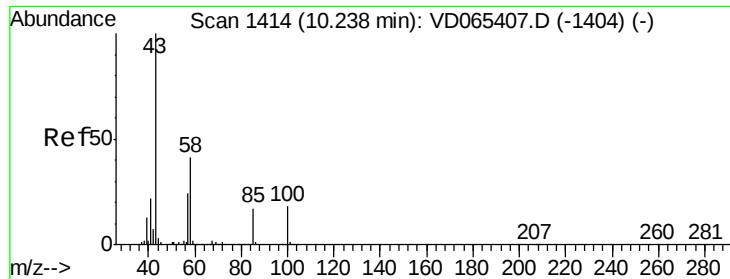
#50
Toluene-d8
Concen: 51.834 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065454.D
Acq: 09 Mar 2020 17:17

Tgt Ion: 98 Resp: 1135174
Ion Ratio Lower Upper
98 100
100 65.8 52.8 79.2



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





#51

4-Methyl-2-Pentanone

Concen: 1.470 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065454.D

Acq: 09 Mar 2020 17:17

Instrument :

MSVOA_D

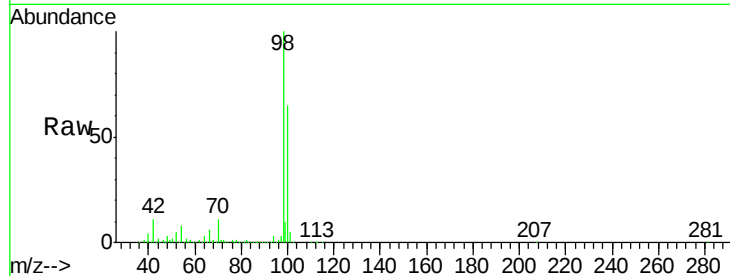
ClientSampleId :

Tot Ion: 43 Resp: 4671

Ion Ratio Lower Upper

43 100

58 184.8 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

6000

5000

4000

3000

2000

1000

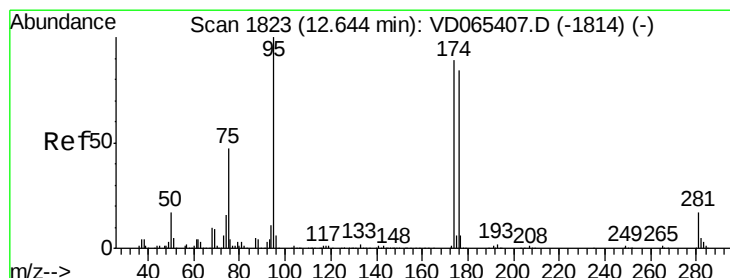
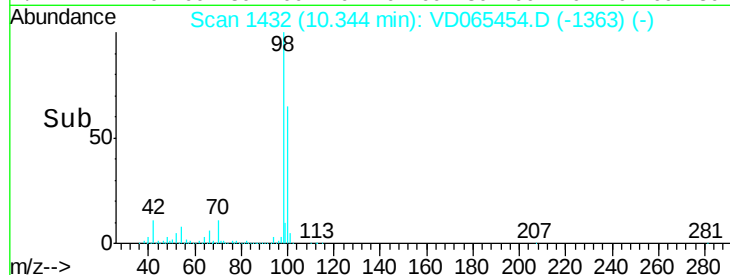
0

10.30

10.35

10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 50.765 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065454.D

Acq: 09 Mar 2020 17:17

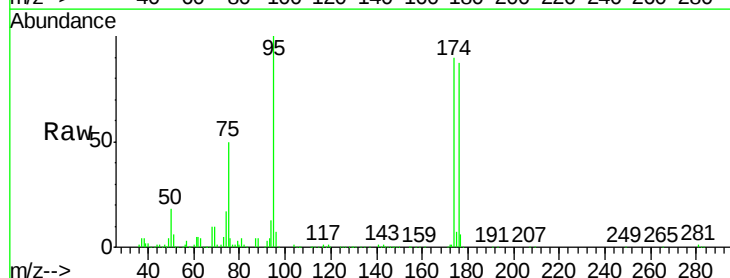
Tgt Ion: 95 Resp: 343210

Ion Ratio Lower Upper

95 100

174 90.8 0.0 176.8

176 87.7 0.0 171.4



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

150000

100000

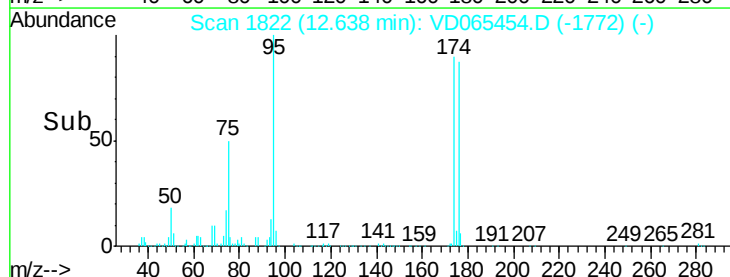
50000

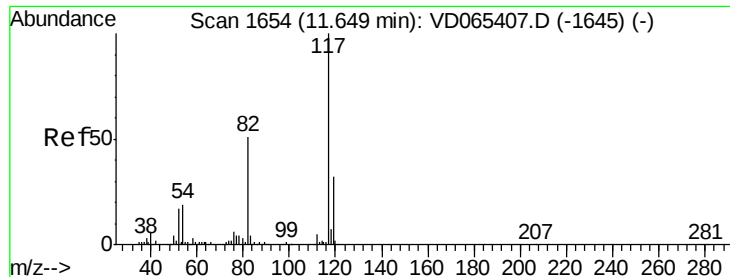
0

12.60

12.70

Time-->

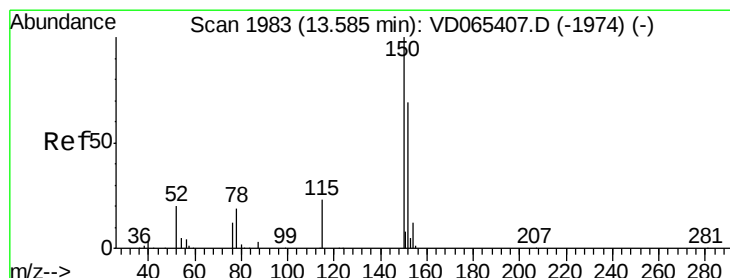
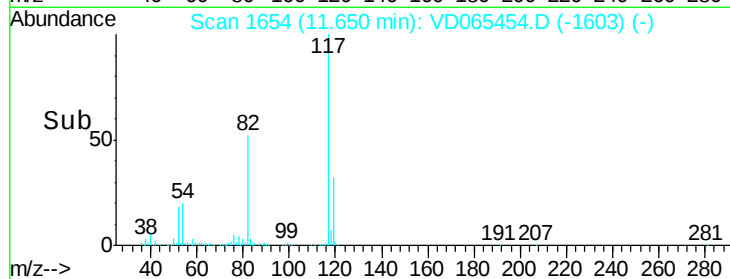
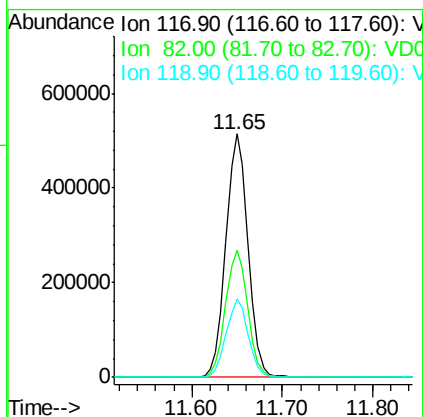
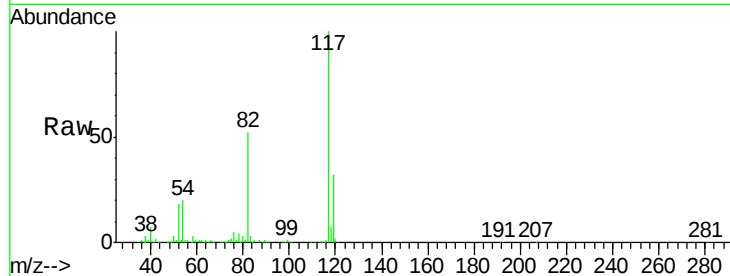




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065454.D
Acq: 09 Mar 2020 17:17

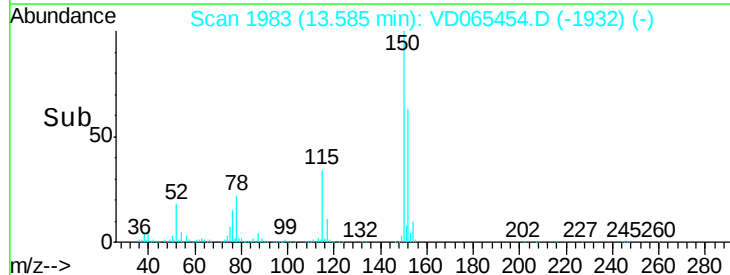
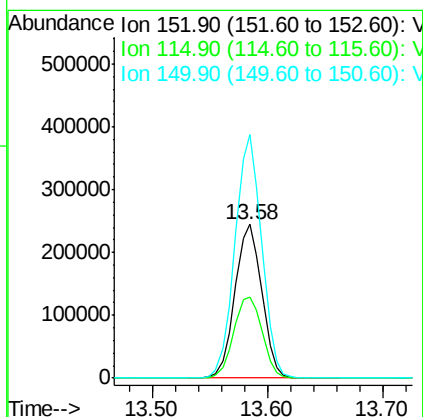
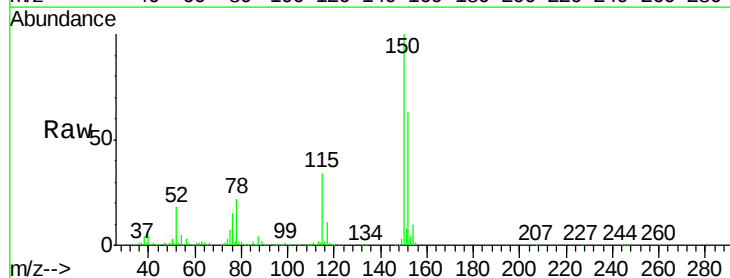
Instrument :
MSVOA_D
ClientSampleId :

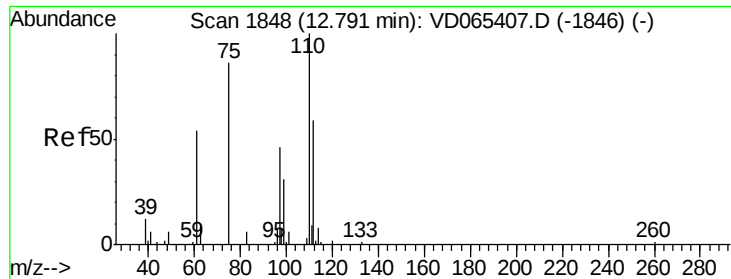
Tot Ion:117 Resp: 872092
Ion Ratio Lower Upper
117 100
82 52.0 40.6 60.8
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065454.D
Acq: 09 Mar 2020 17:17

Tgt Ion:152 Resp: 393735
Ion Ratio Lower Upper
152 100
115 55.8 27.6 82.8
150 157.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 54.037 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065454.D

Acq: 09 Mar 2020 17:17

Instrument :

MSVOA_D

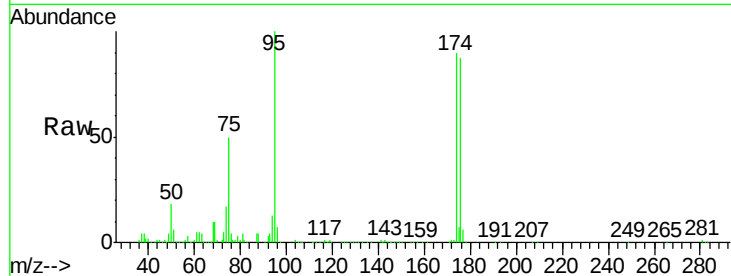
ClientSampleId :

Tot Ion: 75 Resp: 167888

Ion Ratio Lower Upper

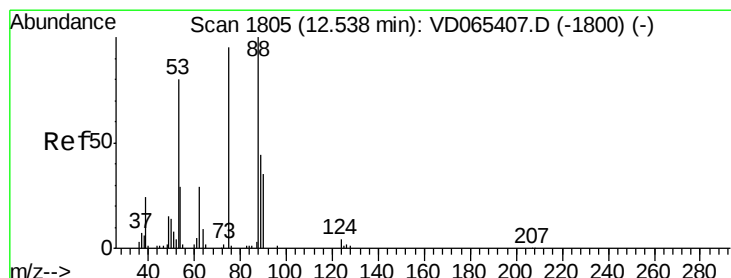
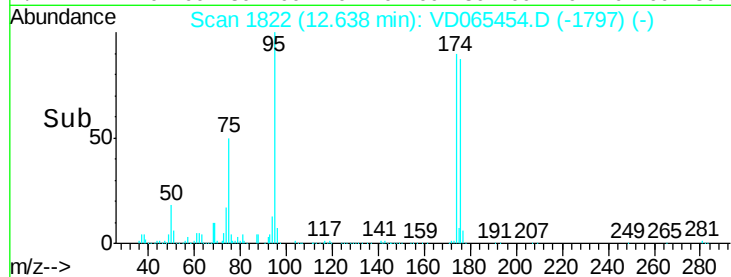
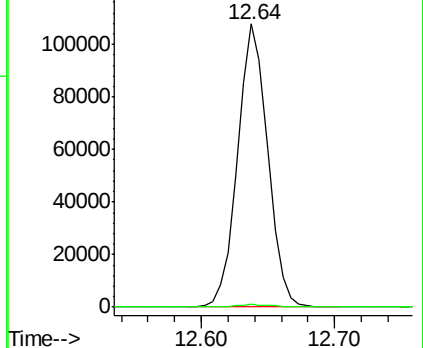
75 100

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: 114.035 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065454.D

Acq: 09 Mar 2020 17:17

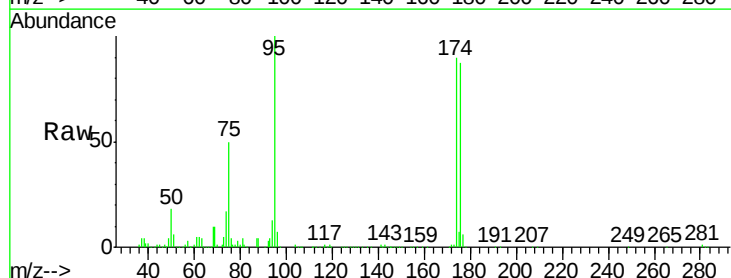
Tgt Ion: 75 Resp: 167888

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

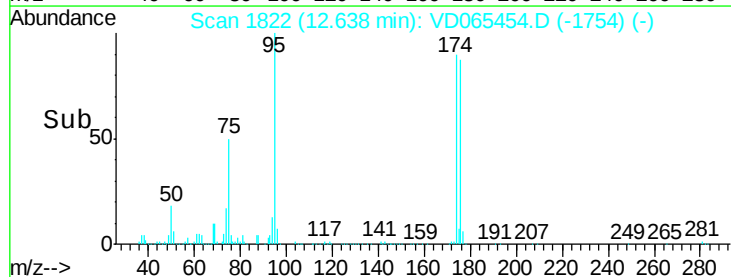
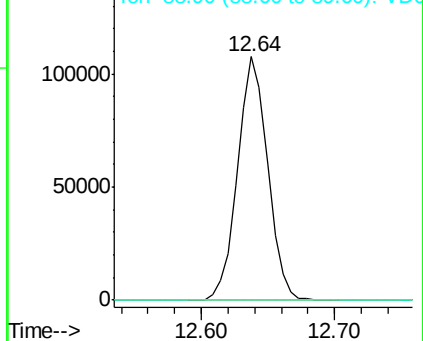
89 0.0 37.0 55.6#

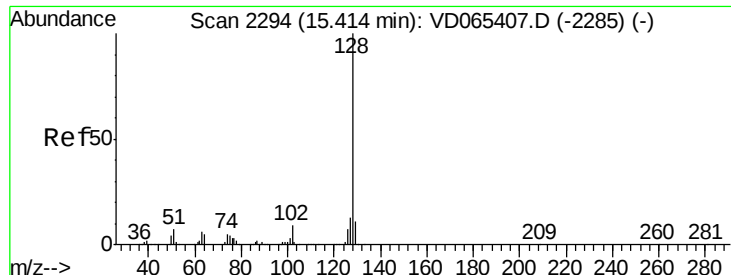


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 4.420 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

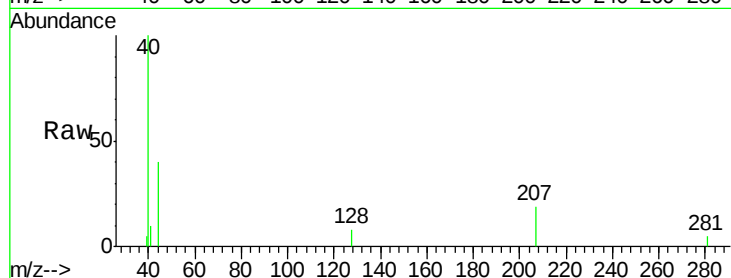
Lab File: VD065454.D

Acq: 09 Mar 2020 17:17

Instrument :

MSVOA_D

ClientSampleId :



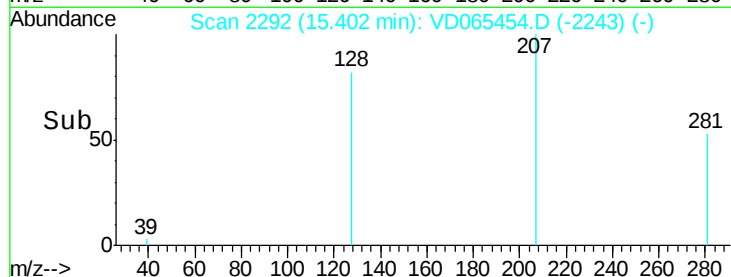
Tot Ion:128 Resp: 176

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.7 13.1#



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

