

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065456.D
 Acq On : 09 Mar 2020 18:15
 Operator : VA/SY
 Sample : L1844-07RE
 Misc : 7.75G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 10 12:25:07 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	7.98	168	520950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	904337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	816337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	311871	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	266829	59.71	ug/l	0.00
Spiked Amount			Recovery	=	119.42%	
35) Dibromofluoromethane	7.92	113	293948	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
50) Toluene-d8	10.34	98	1091041	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.64	95	304251	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	

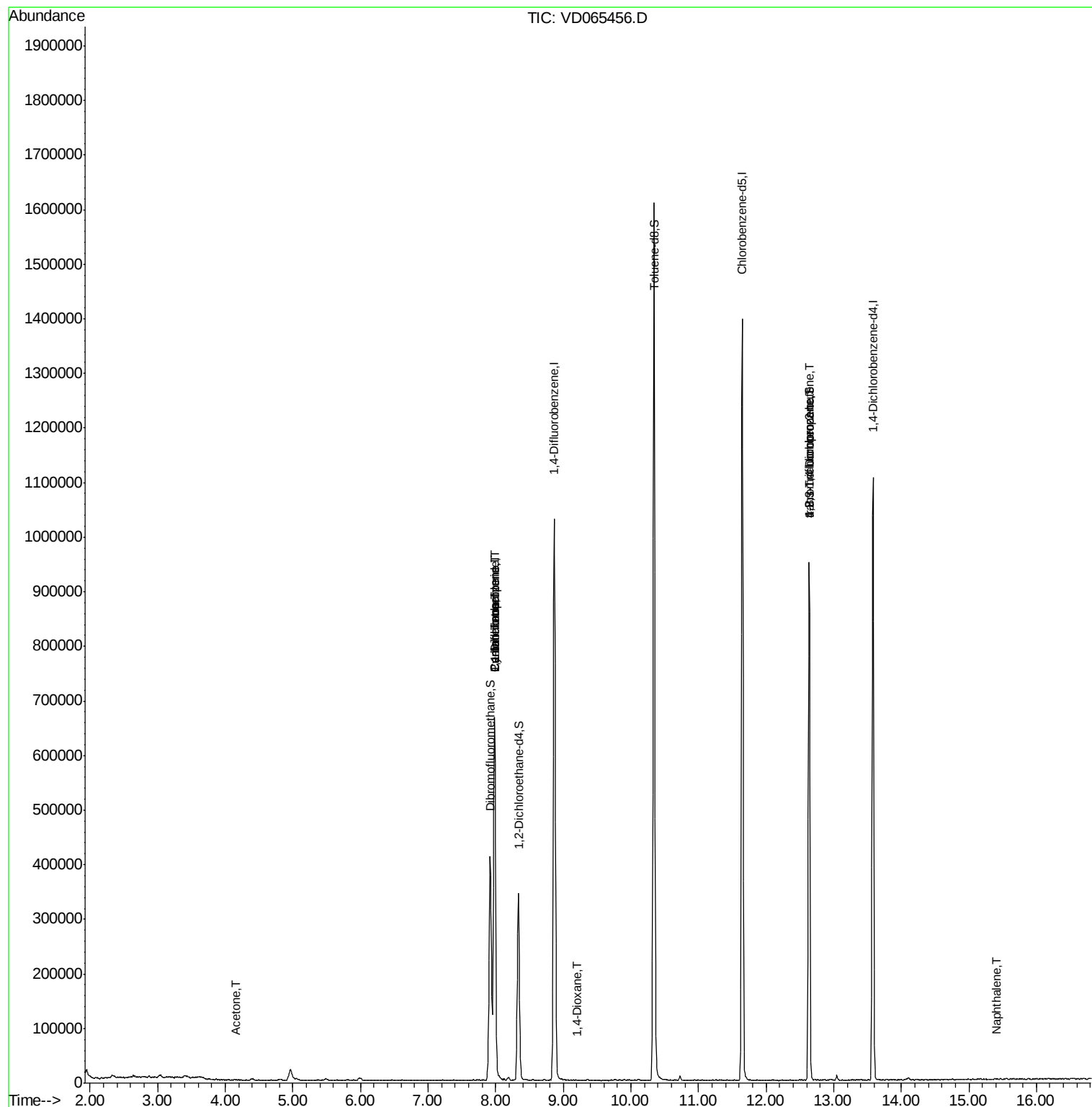
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	71	Below Cal	#	60
16) Acetone	4.17	43	2178	2.410	ug/l #	43
20) Methylene Chloride	4.96	84	14830	Below Cal	#	92
31) Cyclohexane	7.98	56	10475	1.180	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	36201	4.176	ug/l #	50
38) Carbon Tetrachloride	7.98	117	48749	5.423	ug/l #	19
49) 1,4-Dioxane	9.20	88	60	1.722	ug/l #	25
76) 1,2,3-Trichloropropane	12.64	75	148900	60.506	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	148900	127.685	ug/l #	14
95) Naphthalene	15.41	128	446	4.447	ug/l #	69

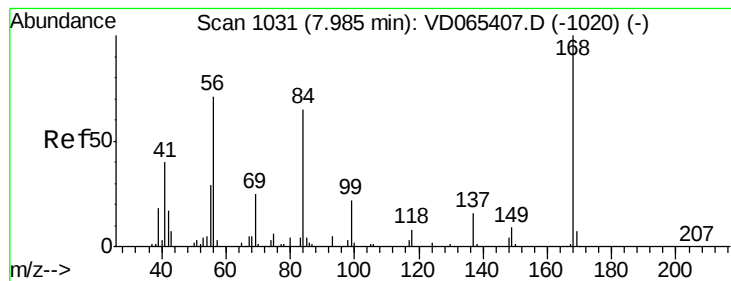
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065456.D

Acq: 09 Mar 2020 18:15

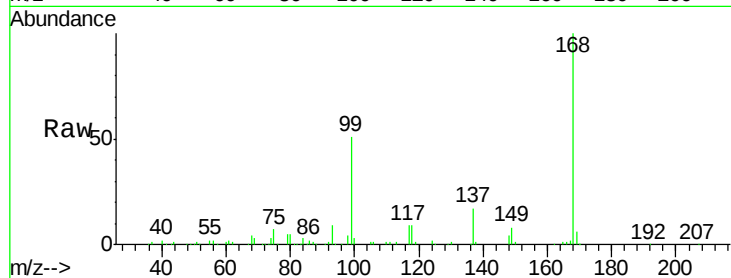
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 520950

Ion Ratio Lower Upper

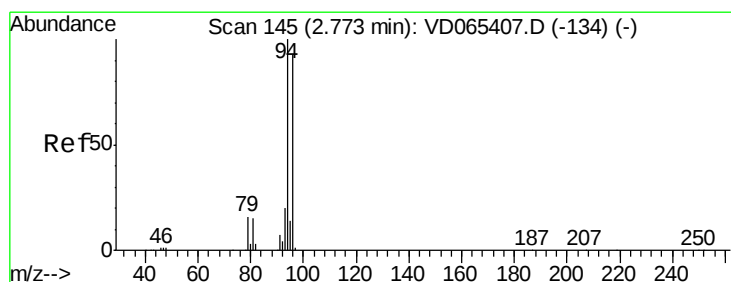
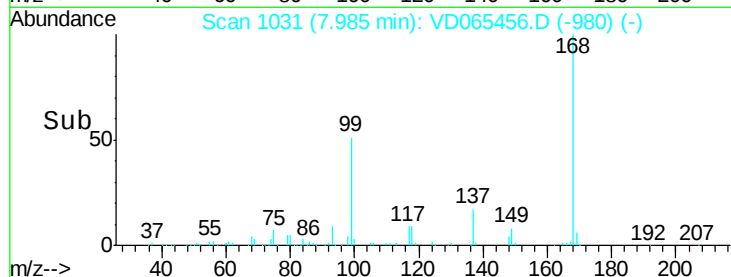
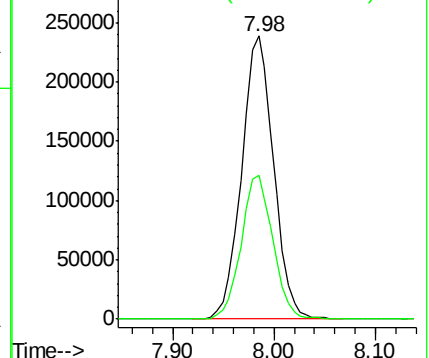
168 100

99 51.0 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: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065456.D

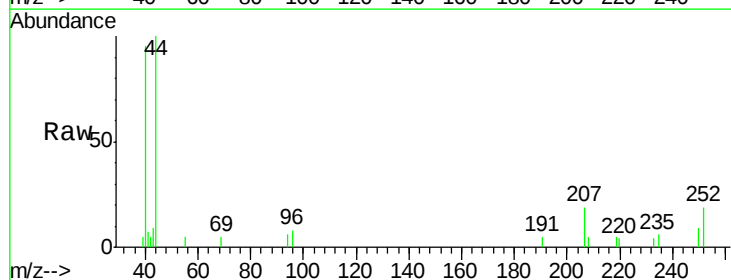
Acq: 09 Mar 2020 18:15

Tgt Ion: 94 Resp: 71

Ion Ratio Lower Upper

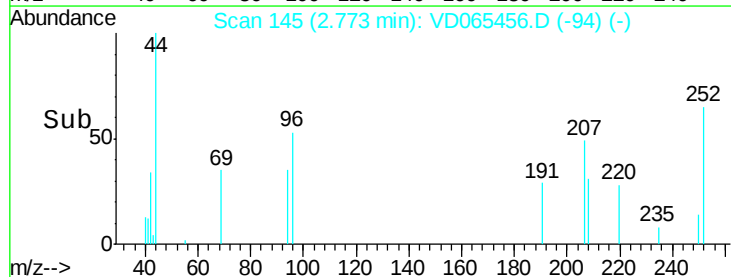
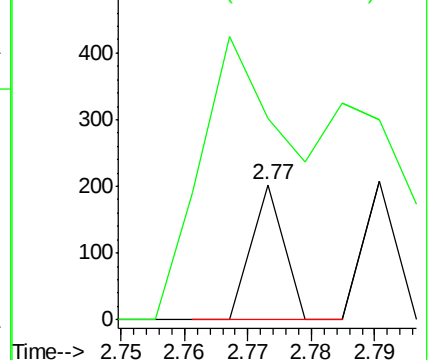
94 100

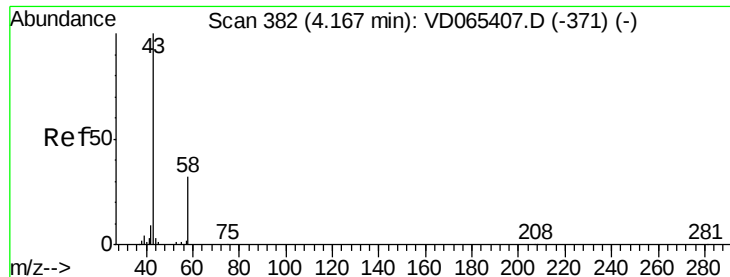
96 55.0 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 2.410 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065456.D

Acq: 09 Mar 2020 18:15

Instrument :

MSVOA_D

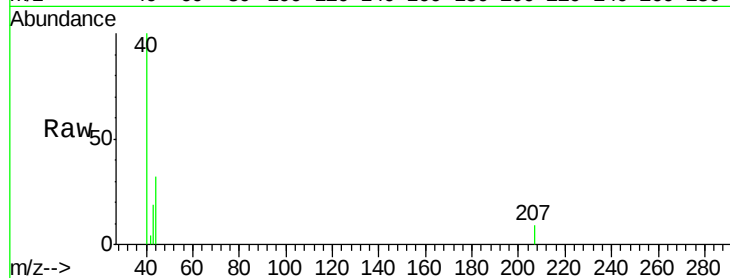
ClientSampleId :

Tot Ion: 43 Resp: 2178

Ion Ratio Lower Upper

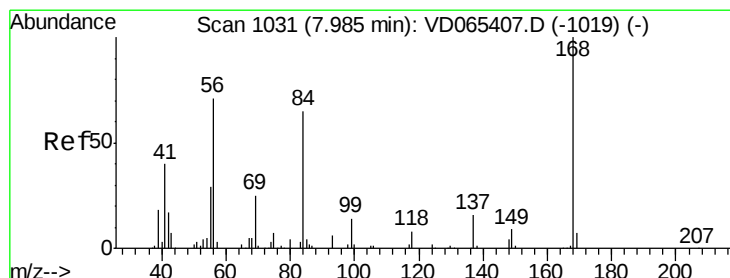
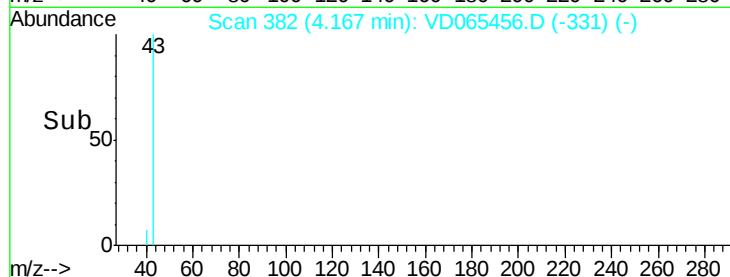
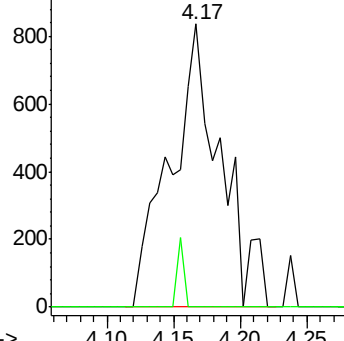
43 100

58 0.0 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#31

Cyclohexane

Concen: 1.180 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065456.D

Acq: 09 Mar 2020 18:15

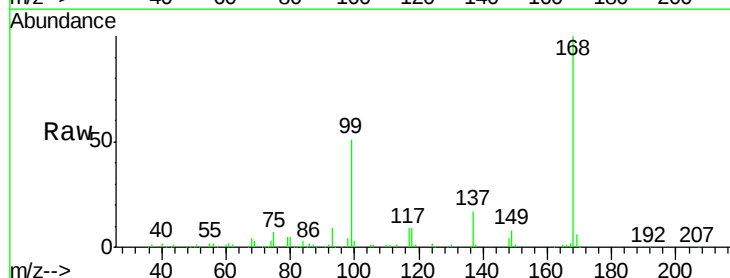
Tgt Ion: 56 Resp: 10475

Ion Ratio Lower Upper

56 100

69 162.1 28.3 42.5#

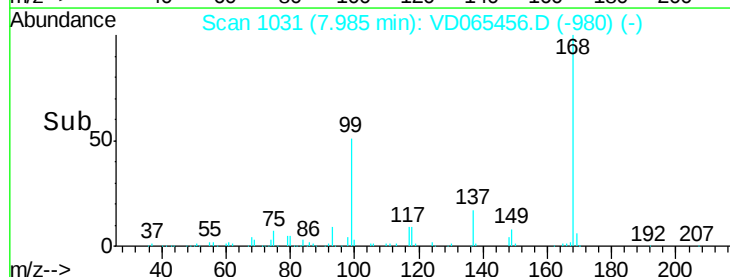
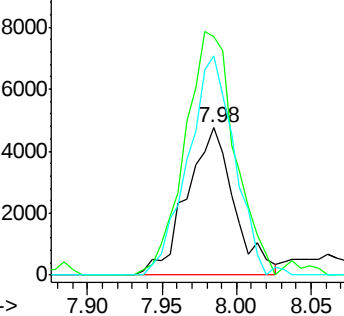
84 148.6 73.1 109.7#

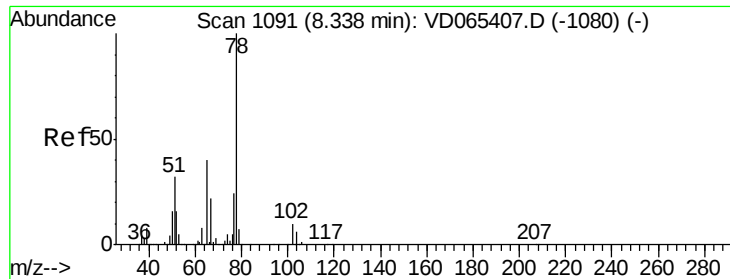


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

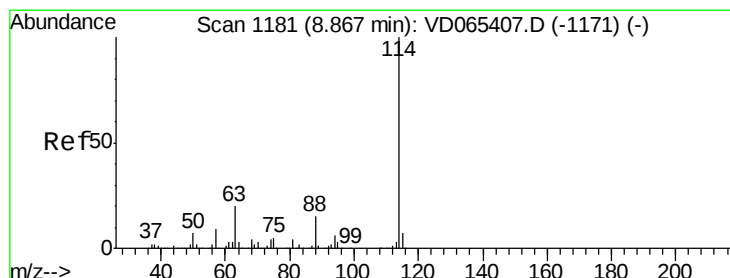
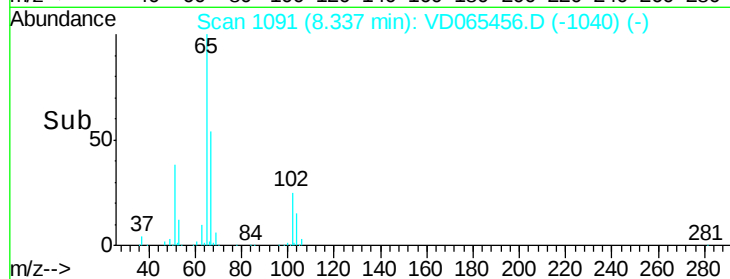
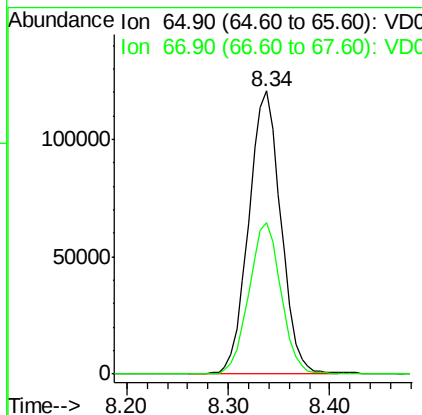
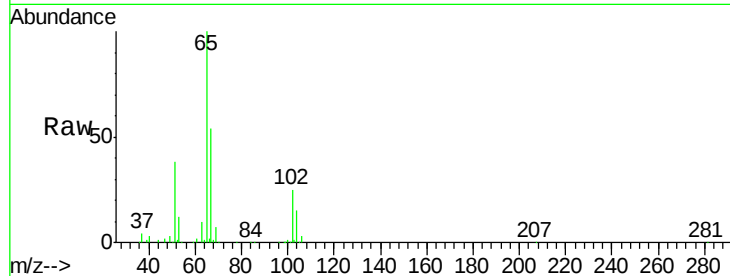




#33
 1,2-Dichloroethane-d4
 Concen: 59.711 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065456.D
 Acq: 09 Mar 2020 18:15

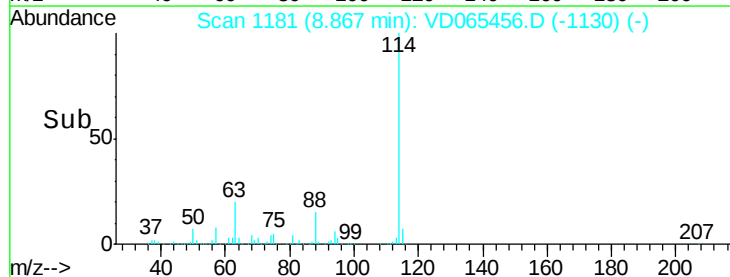
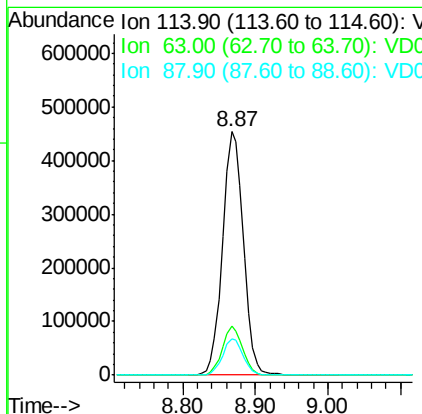
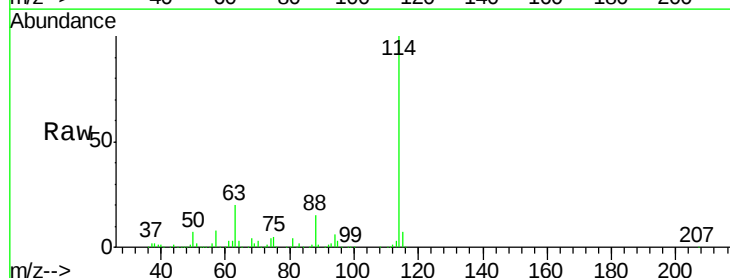
Instrument :
 MSVOA_D
 ClientSampleId :

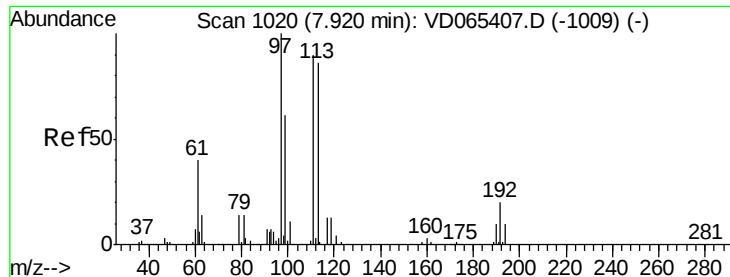
Tot Ion: 65 Resp: 266829
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065456.D
 Acq: 09 Mar 2020 18:15

Tgt Ion:114 Resp: 904337
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.6
 88 15.0 0.0 30.4

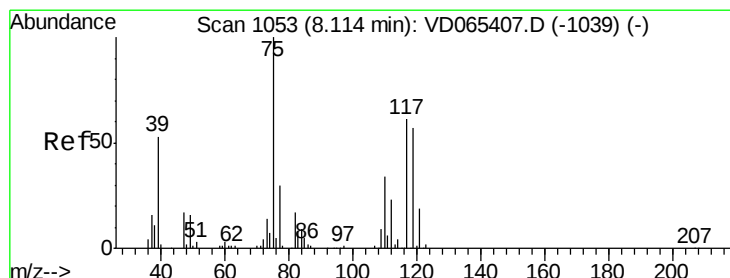
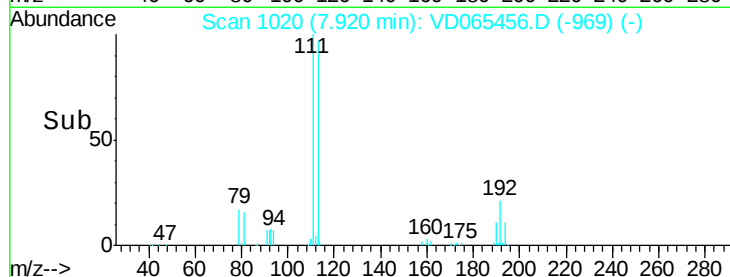
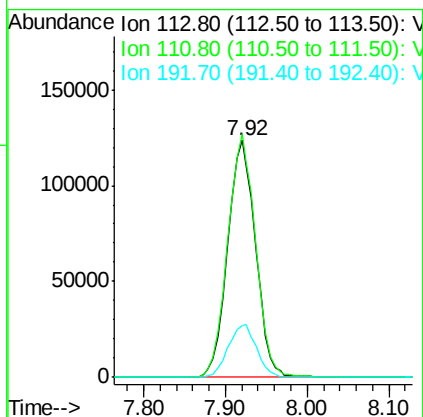
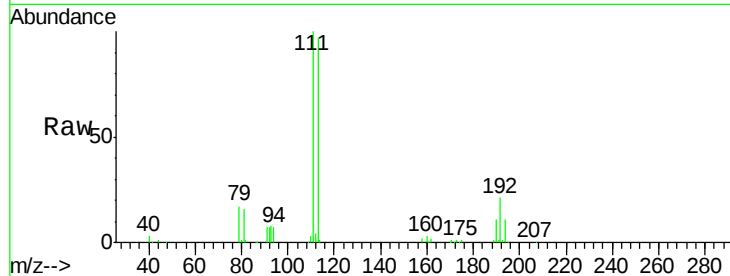




#35
 Dibromofluoromethane
 Concen: 52.561 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065456.D
 Acq: 09 Mar 2020 18:15

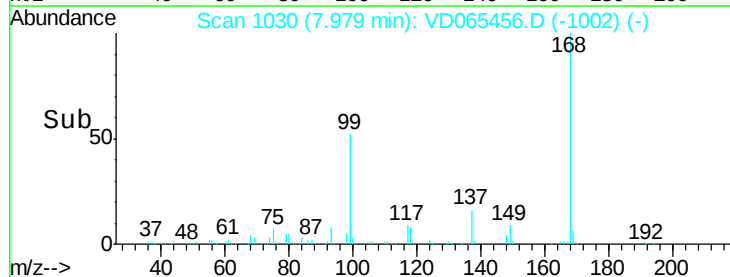
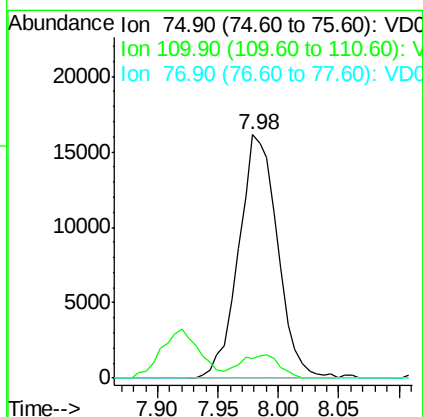
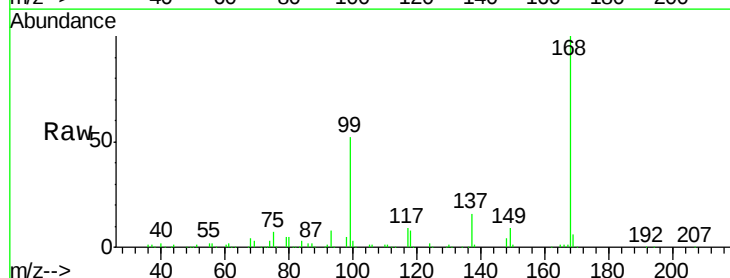
Instrument :
 MSVOA_D
 ClientSampleId :

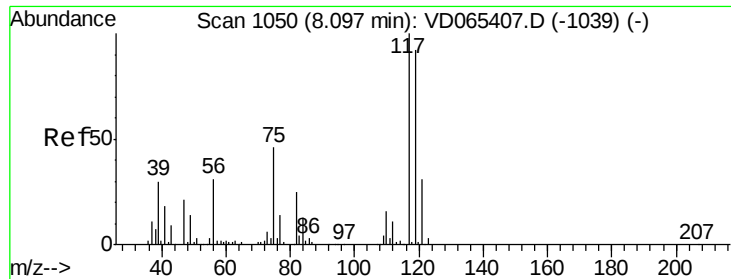
Tot Ion:113 Resp: 293948
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.1 123.1
 192 22.4 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 4.176 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065456.D
 Acq: 09 Mar 2020 18:15

Tgt Ion: 75 Resp: 36201
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.1 54.1#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.423 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065456.D

Acq: 09 Mar 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :

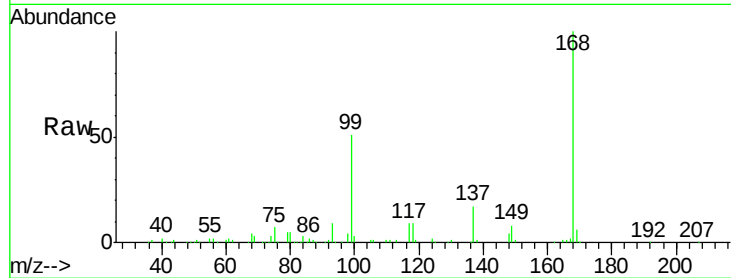
Tot Ion:117 Resp: 48749

Ion Ratio Lower Upper

117 100

119 6.3 73.3 109.9#

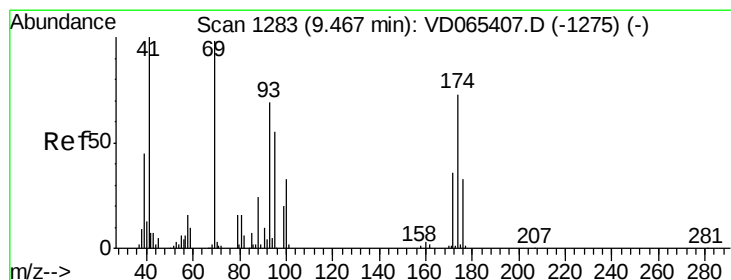
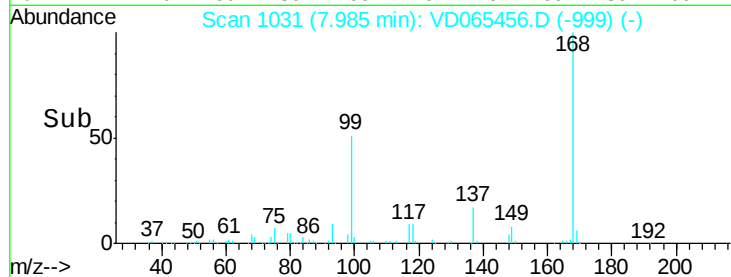
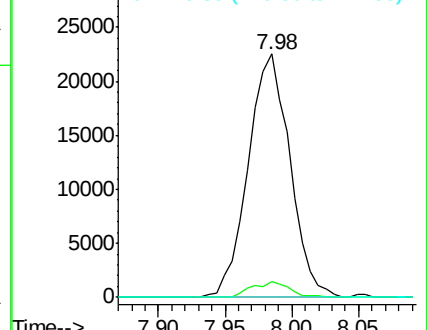
121 0.0 25.0 37.4#



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



#49

1,4-Dioxane

Concen: 1.722 ug/l

RT: 9.20 min Scan# 1237

Delta R.T. -0.27 min

Lab File: VD065456.D

Acq: 09 Mar 2020 18:15

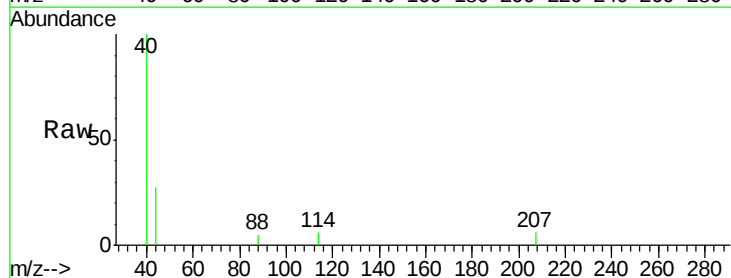
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 0.0 24.5 36.7#

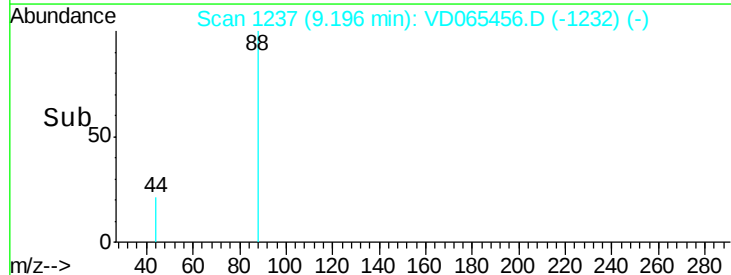
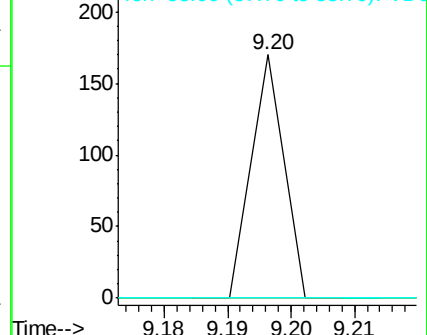
58 0.0 54.5 81.7#

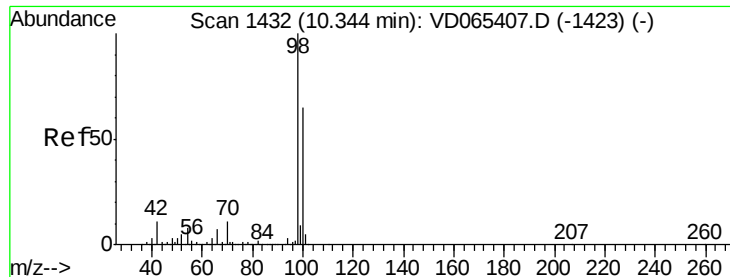


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 50.853 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065456.D

Acq: 09 Mar 2020 18:15

Instrument :

MSVOA_D

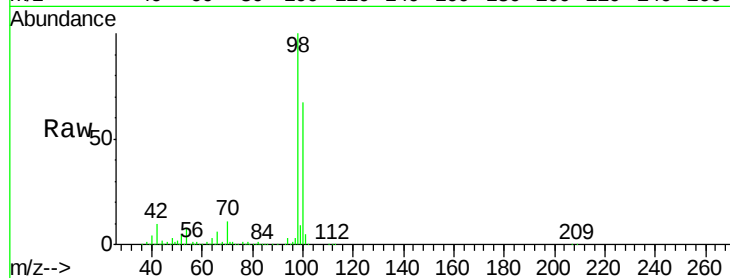
ClientSampleId :

Tot Ion: 98 Resp: 1091041

Ion Ratio Lower Upper

98 100

100 65.8 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VD065407.D (-1423) (-)

Ion 100.00 (99.70 to 100.70): VD065407.D (-1423) (-)

10.34

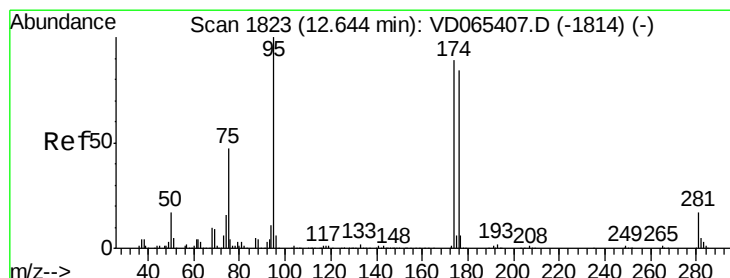
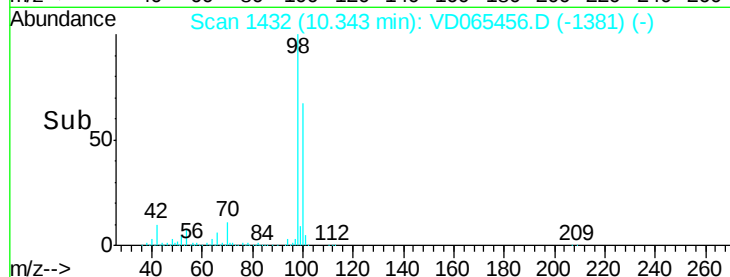
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.937 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065456.D

Acq: 09 Mar 2020 18:15

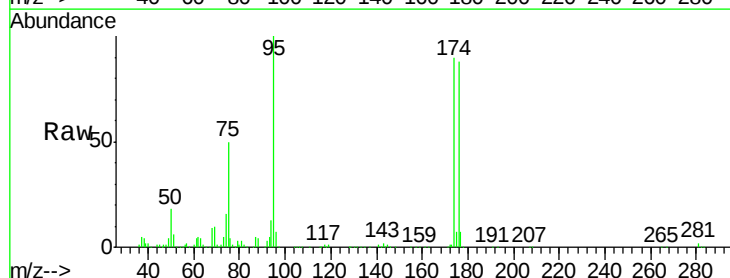
Tgt Ion: 95 Resp: 304251

Ion Ratio Lower Upper

95 100

174 90.6 0.0 176.8

176 86.7 0.0 171.4



Abundance Ion 94.90 (94.60 to 95.60): VD065407.D (-1814) (-)

Ion 173.80 (173.50 to 174.50): VD065407.D (-1814) (-)

Ion 175.80 (175.50 to 176.50): VD065407.D (-1814) (-)

250000

200000

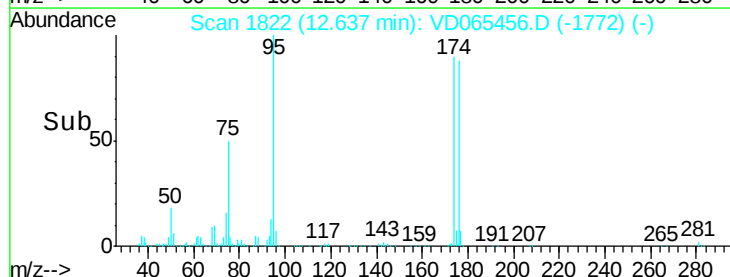
150000

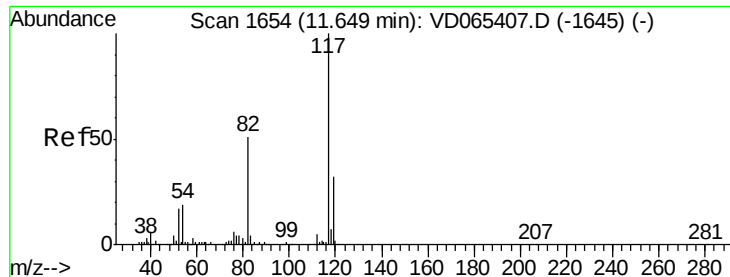
100000

50000

0

Time-->

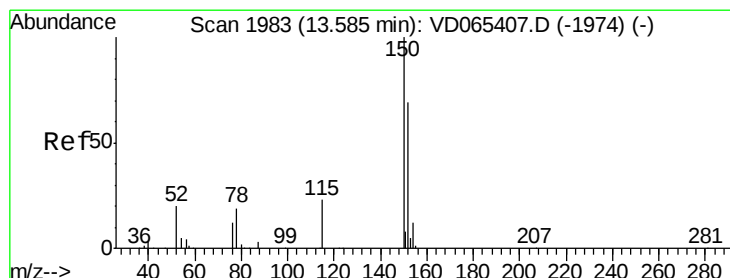
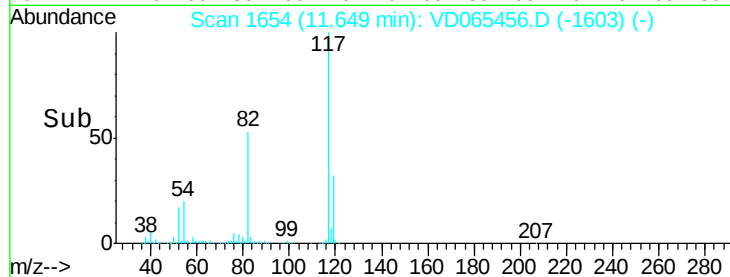
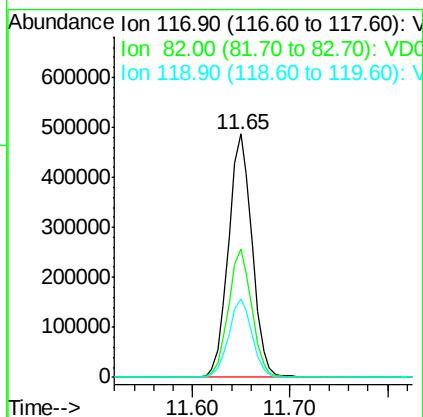
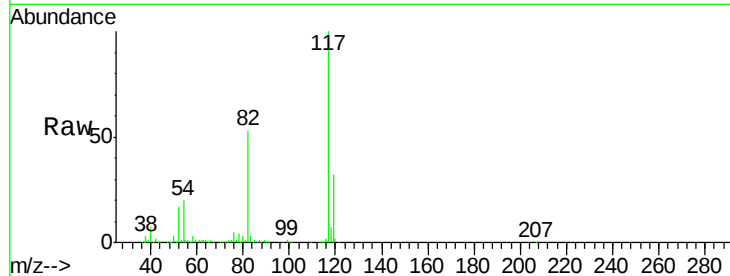




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065456.D
Acq: 09 Mar 2020 18:15

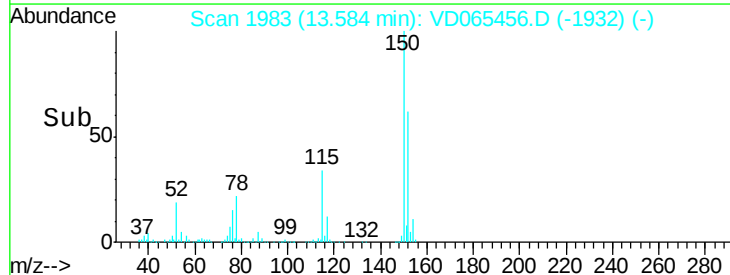
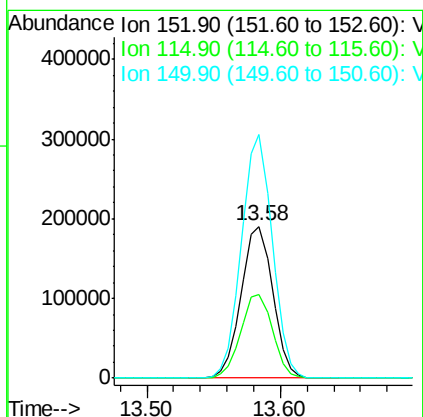
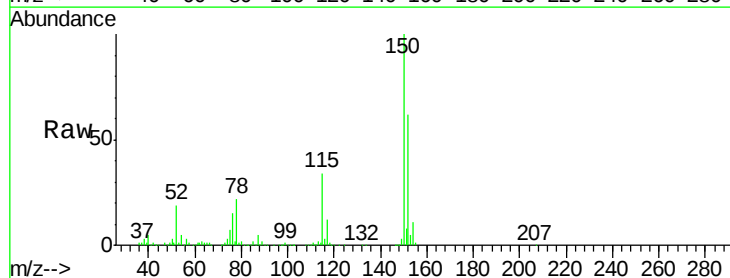
Instrument :
MSVOA_D
ClientSampleId :

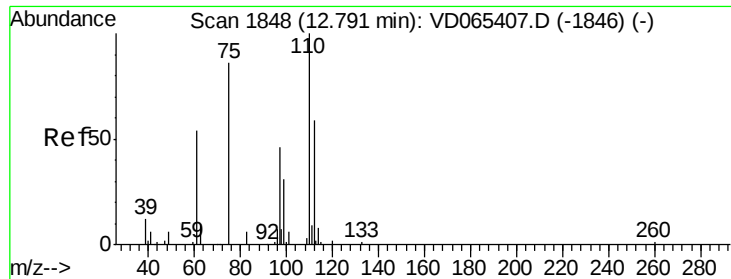
Tot Ion:117 Resp: 816337
Ion Ratio Lower Upper
117 100
82 52.7 40.6 60.8
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065456.D
Acq: 09 Mar 2020 18:15

Tgt Ion:152 Resp: 311871
Ion Ratio Lower Upper
152 100
115 55.5 27.6 82.8
150 156.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 60.506 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065456.D

Acq: 09 Mar 2020 18:15

Instrument :

MSVOA_D

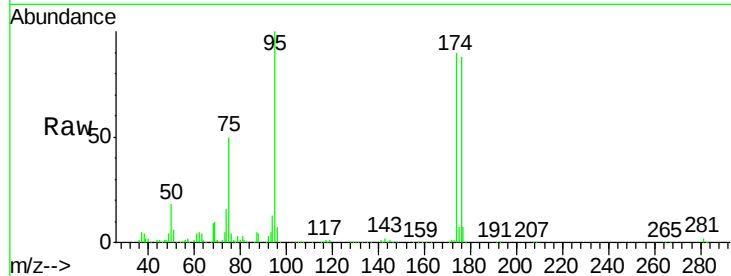
ClientSampled :

Tot Ion: 75 Resp: 148900

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

100000

80000

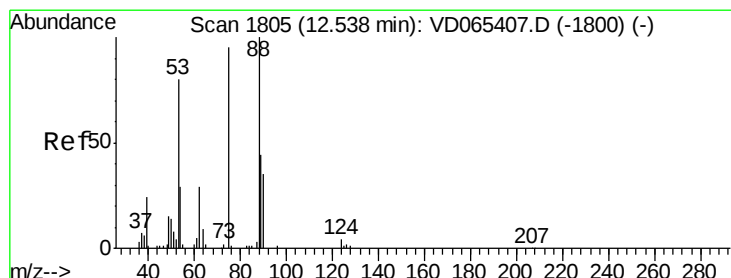
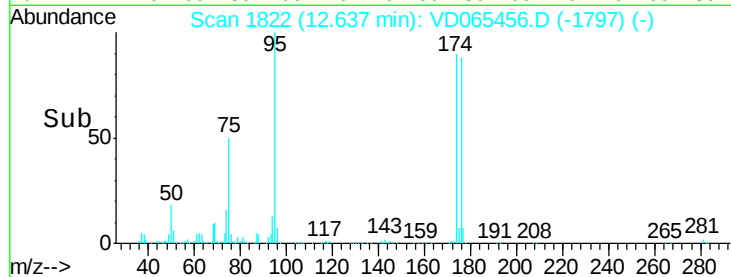
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 127.685 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065456.D

Acq: 09 Mar 2020 18:15

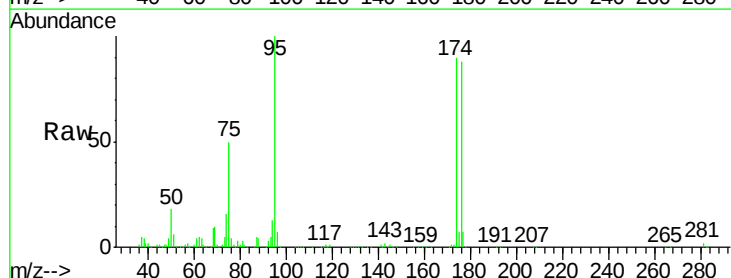
Tgt Ion: 75 Resp: 148900

Ion Ratio Lower Upper

75 100

53 0.0 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

120000

100000

80000

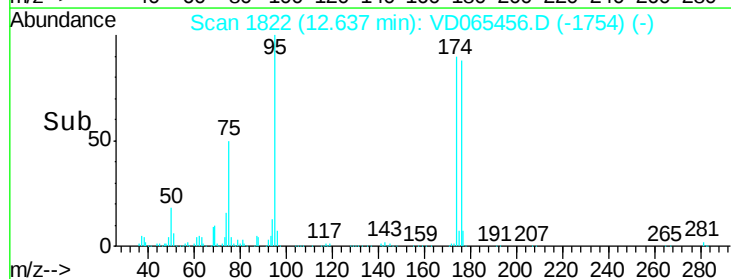
60000

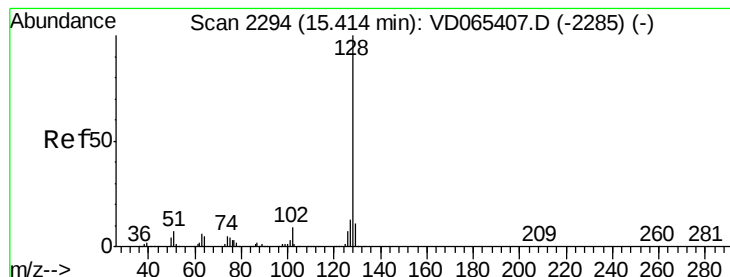
40000

20000

0

Time--> 12.55 12.60 12.65 12.70





#95

Naphthalene

Concen: 4.447 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

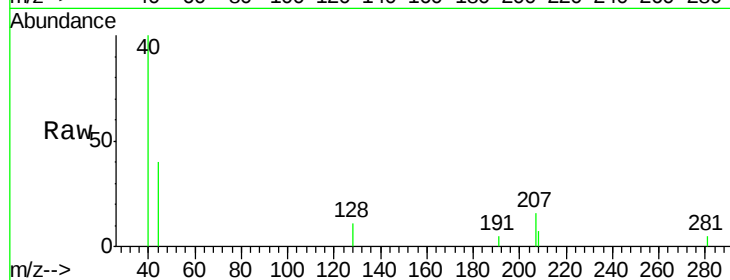
Lab File: VD065456.D

Acq: 09 Mar 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :



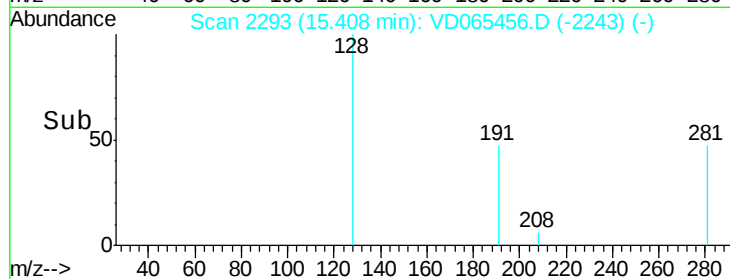
Tot Ion:128 Resp: 446

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

