

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021220\
 Data File : VD065165.D
 Acq On : 12 Feb 2020 16:16
 Operator : VA/SY
 Sample : L1511-01
 Misc : 8.58G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

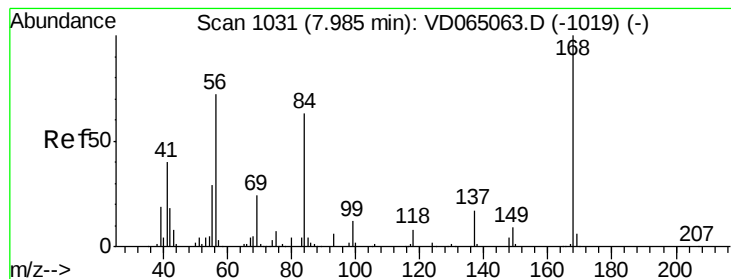
Quant Time: Feb 13 06:00:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	477558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	778775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	800031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	370508	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	225880	55.65	ug/l	0.00
Spiked Amount			Recovery	=	111.30%	
35) Dibromofluoromethane	7.92	113	242258	55.75	ug/l	0.00
Spiked Amount			Recovery	=	111.50%	
50) Toluene-d8	10.34	98	961827	55.61	ug/l	0.00
Spiked Amount			Recovery	=	111.22%	
62) 4-Bromofluorobenzene	12.64	95	343242	62.63	ug/l	0.00
Spiked Amount			Recovery	=	125.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	43696	43.060	ug/l	99
17) Carbon Disulfide	4.40	76	16405	1.212	ug/l	98
20) Methylene Chloride	4.96	84	12104	Below Cal		93
25) 2-Butanone	7.22	43	13600	11.235	ug/l	98
31) Cyclohexane	7.98	56	10358	1.283	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	36007	4.972	ug/l #	49
37) Ethyl Acetate	7.22	43	13600	4.597	ug/l #	69
38) Carbon Tetrachloride	7.98	117	43763	5.917	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	174353	62.155	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	174353	124.305	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065165.D

Acq: 12 Feb 2020 16:16

Instrument :

MSVOA_D

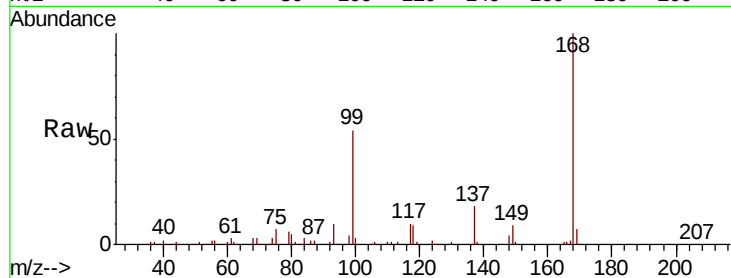
ClientSampled :

Tot Ion:168 Resp: 477558

Ion Ratio Lower Upper

168 100

99 53.9 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

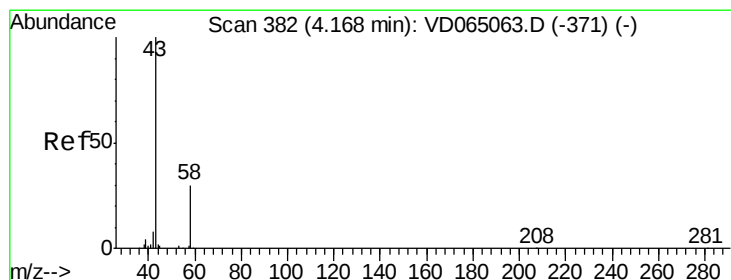
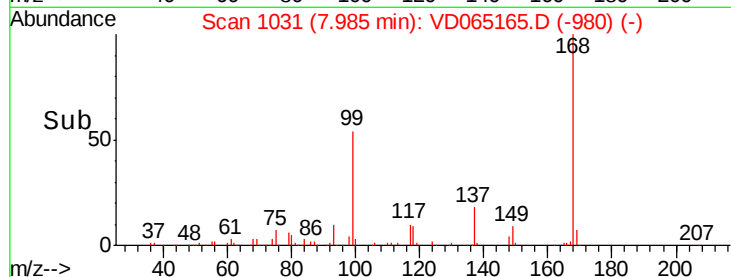
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 43.060 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065165.D

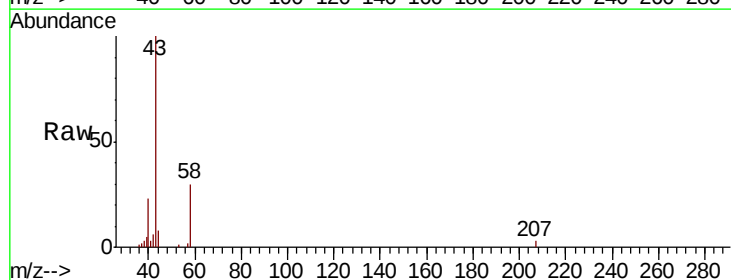
Acq: 12 Feb 2020 16:16

Tgt Ion: 43 Resp: 43696

Ion Ratio Lower Upper

43 100

58 30.0 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

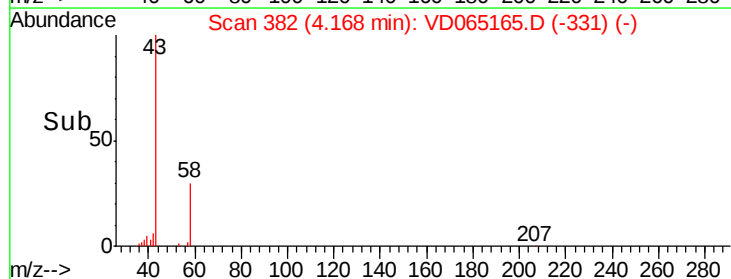
15000

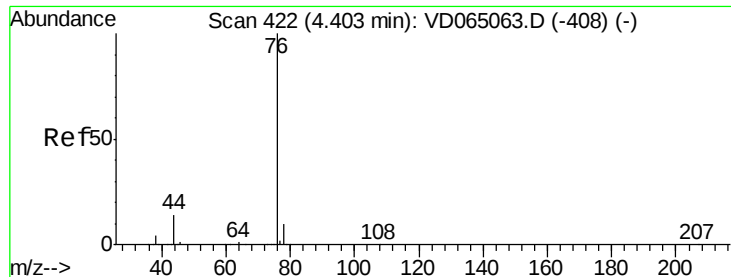
10000

5000

0

Time-->

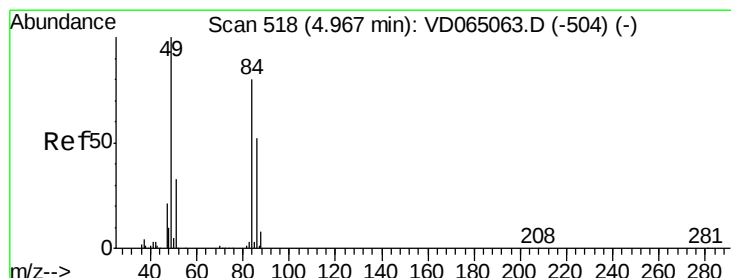
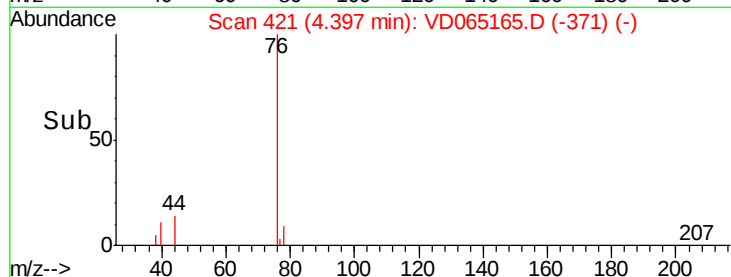
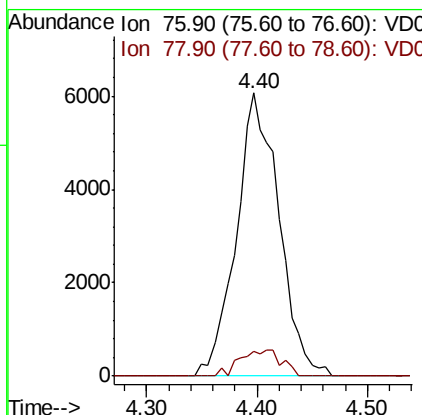
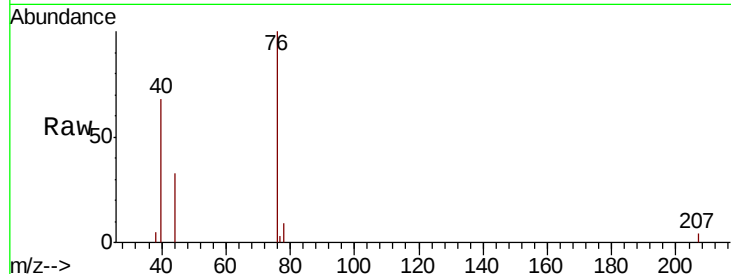




#17
Carbon Disulfide
Concen: 1.212 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065165.D
Acq: 12 Feb 2020 16:16

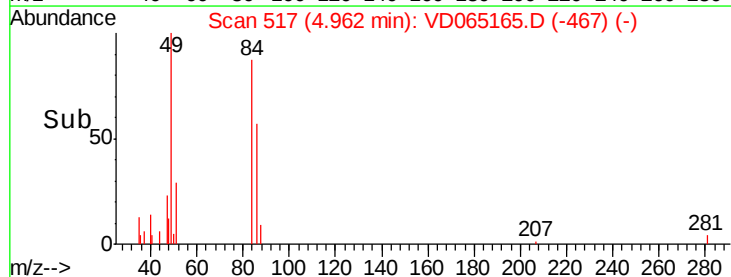
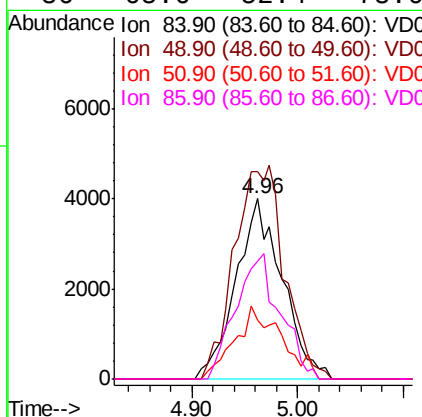
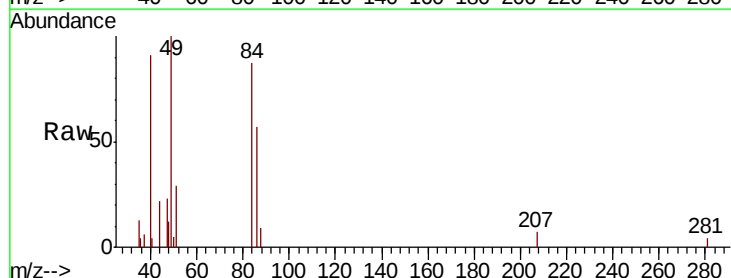
Instrument :
MSVOA_D
ClientSampleId :

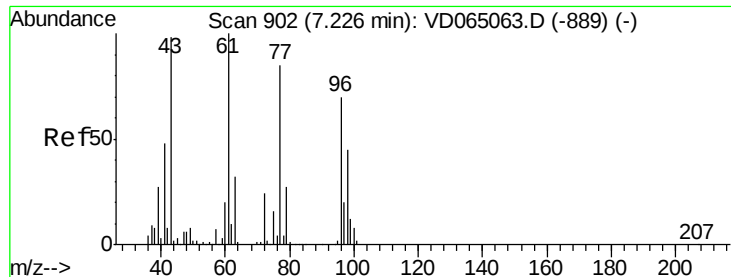
Tot Ion: 76 Resp: 16405
Ion Ratio Lower Upper
76 100
78 8.9 7.6 11.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065165.D
Acq: 12 Feb 2020 16:16

Tgt Ion: 84 Resp: 12104
Ion Ratio Lower Upper
84 100
49 115.0 100.4 150.6
51 33.1 32.7 49.1
86 65.6 52.4 78.6





#25

2-Butanone

Concen: 11.235 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065165.D

Acq: 12 Feb 2020 16:16

Instrument :

MSVOA_D

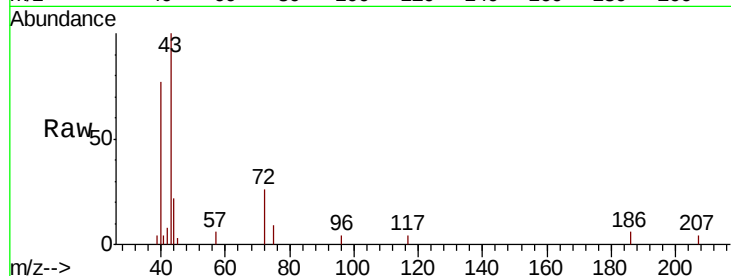
ClientSampleId :

Tot Ion: 43 Resp: 13600

Ion Ratio Lower Upper

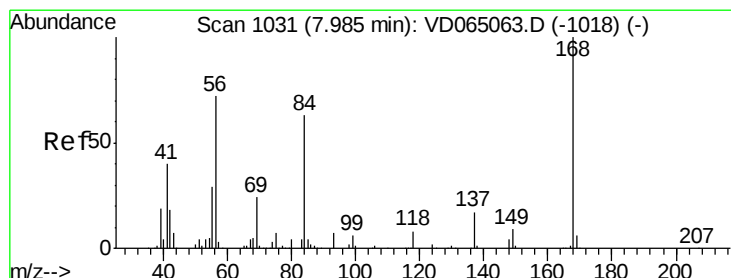
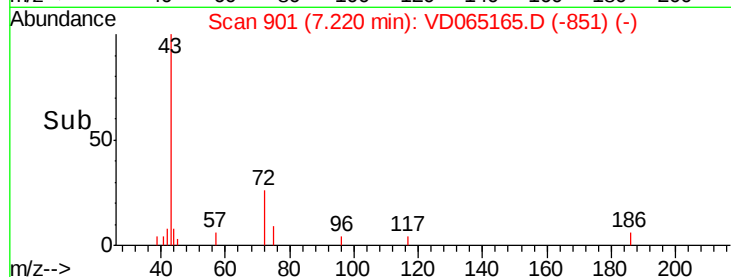
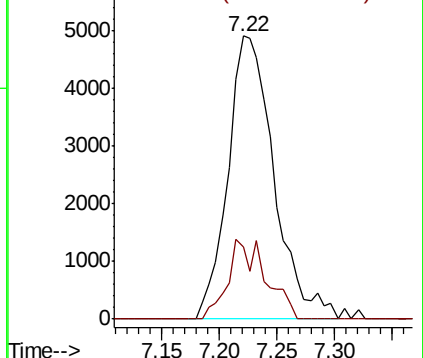
43 100

72 25.7 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.283 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065165.D

Acq: 12 Feb 2020 16:16

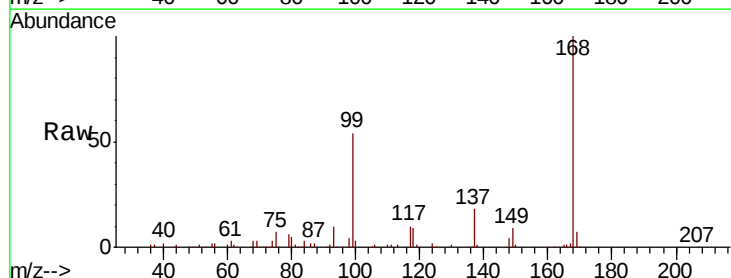
Tgt Ion: 56 Resp: 10358

Ion Ratio Lower Upper

56 100

69 156.5 26.6 40.0#

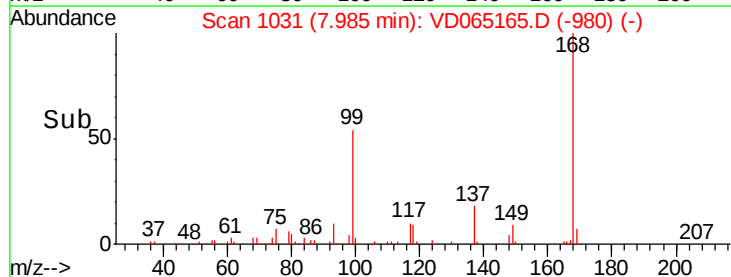
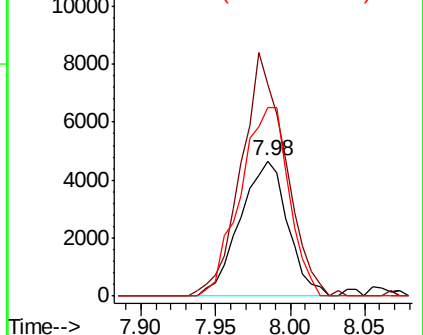
84 139.3 70.6 106.0#

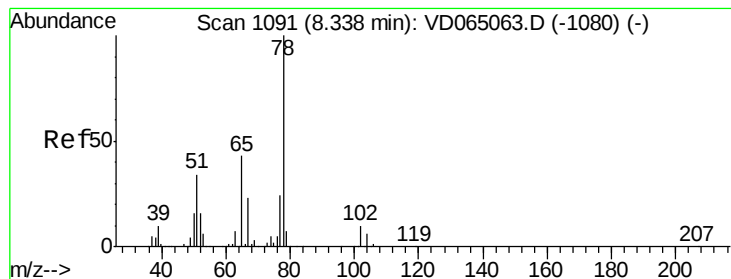


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 55.651 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065165.D

Acq: 12 Feb 2020 16:16

Instrument :

MSVOA_D

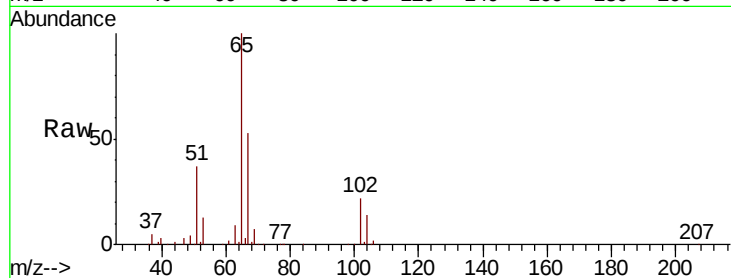
ClientSampleId :

Tot Ion: 65 Resp: 225880

Ion Ratio Lower Upper

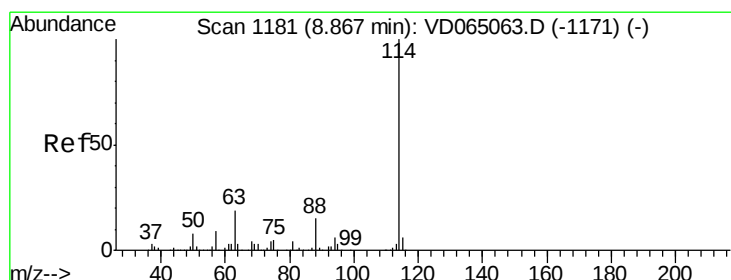
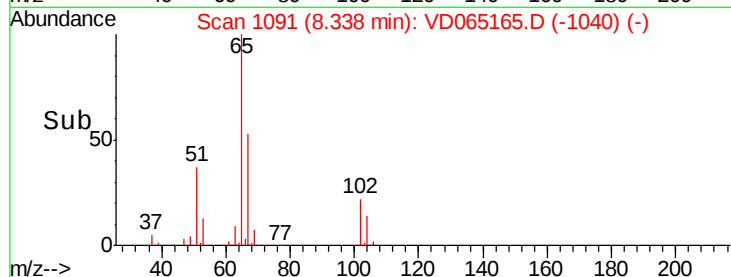
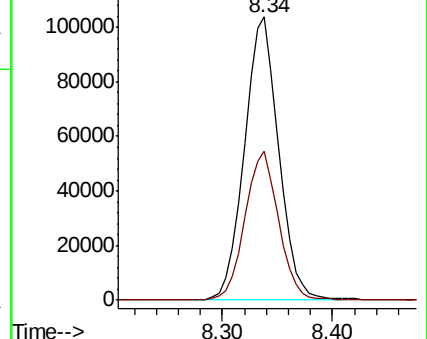
65 100

67 51.7 0.0 105.8



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: VD065165.D

Acq: 12 Feb 2020 16:16

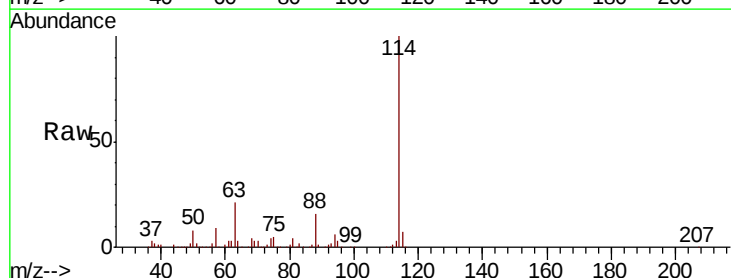
Tgt Ion: 114 Resp: 778775

Ion Ratio Lower Upper

114 100

63 21.3 0.0 38.8

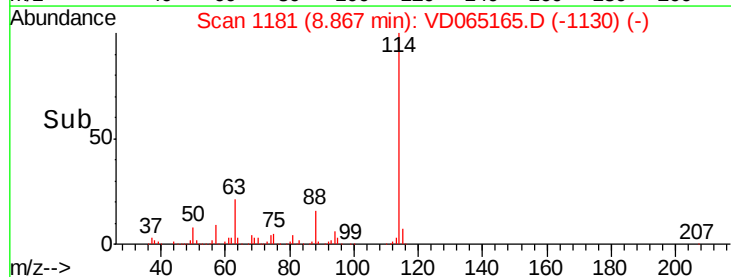
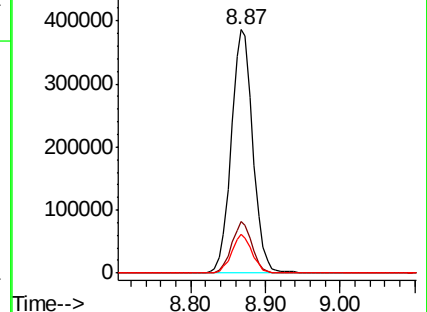
88 15.7 0.0 29.6

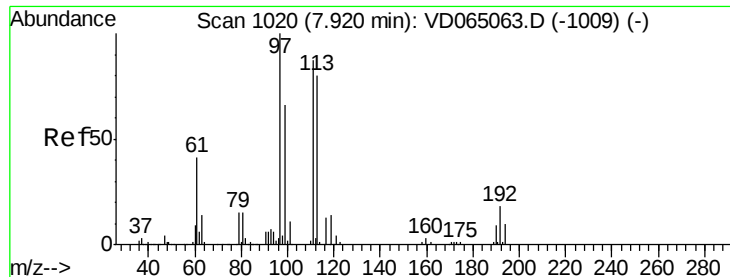


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

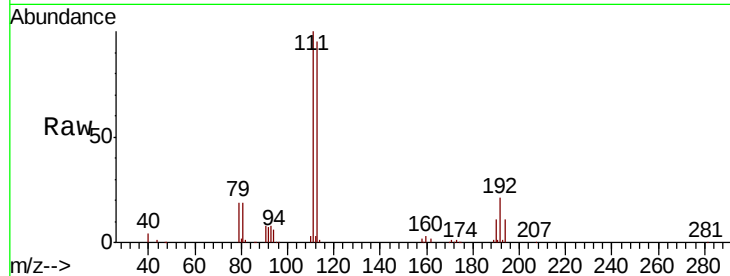




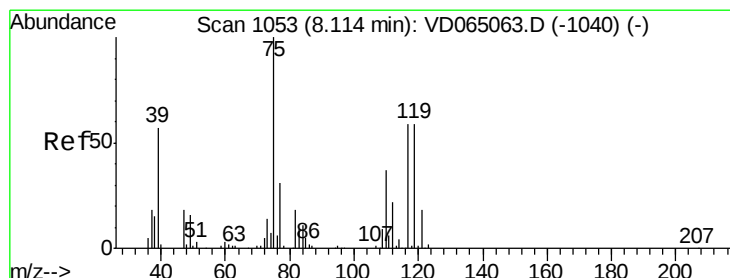
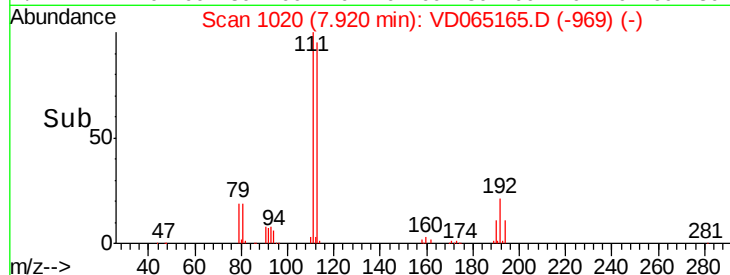
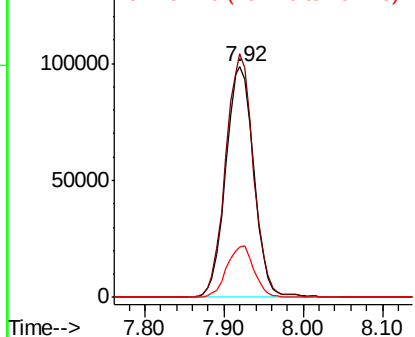
#35
 Dibromofluoromethane
 Concen: 55.755 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065165.D
 Acq: 12 Feb 2020 16:16

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.1	124.7
192	21.6	18.1	27.1

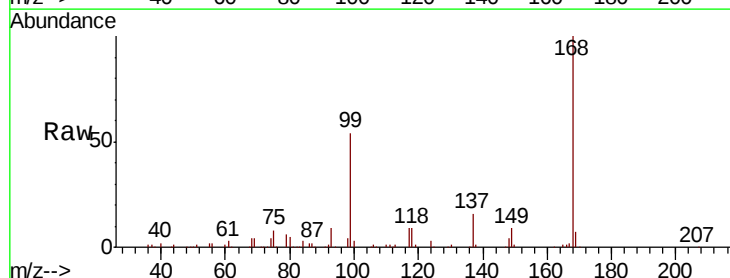


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

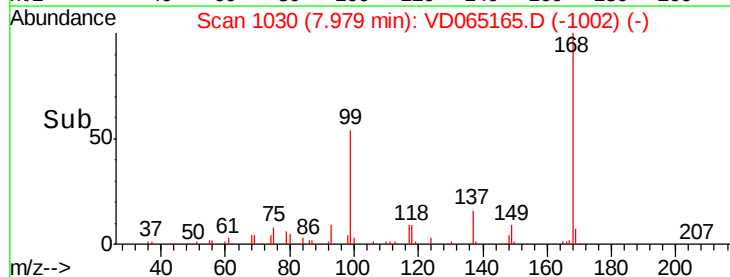
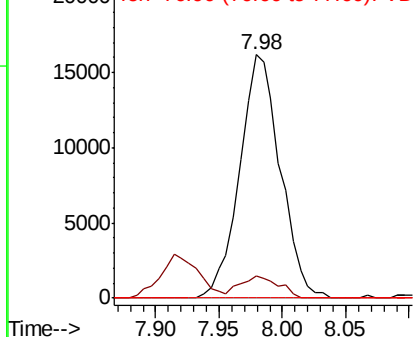


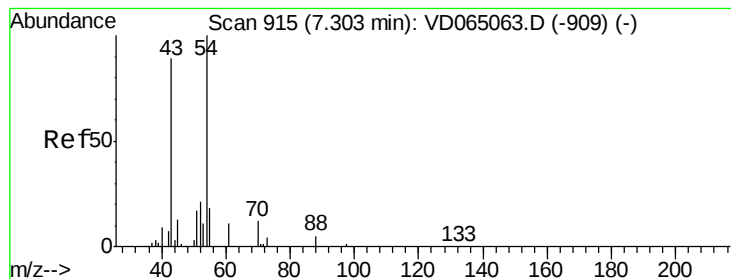
#36
 1,1-Dichloropropene
 Concen: 4.972 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065165.D
 Acq: 12 Feb 2020 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.3#
77	0.0	24.7	37.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





#37

Ethyl Acetate

Concen: 4.597 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.08 min

Lab File: VD065165.D

Acq: 12 Feb 2020 16:16

Instrument :

MSVOA_D

ClientSampleId :

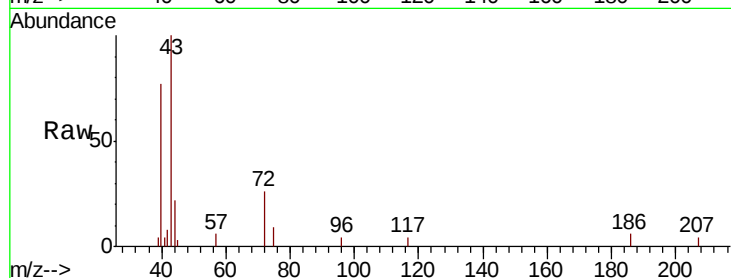
Tot Ion: 43 Resp: 13600

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

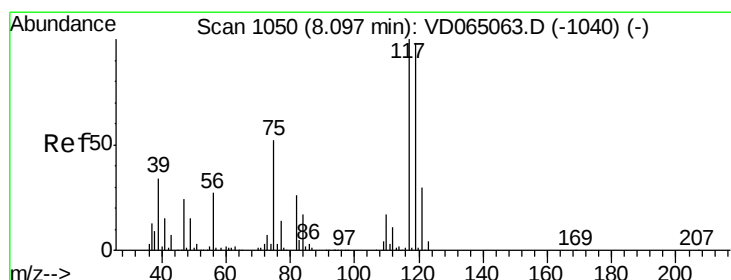
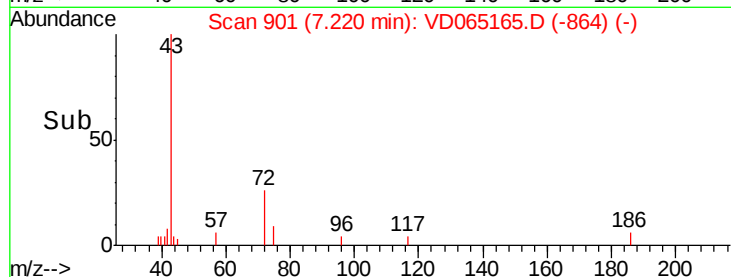
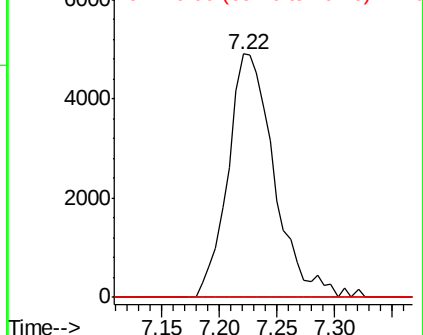
70 0.0 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.917 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065165.D

Acq: 12 Feb 2020 16:16

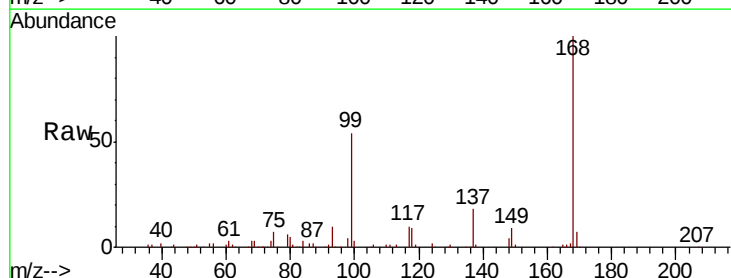
Tgt Ion: 117 Resp: 43763

Ion Ratio Lower Upper

117 100

119 8.0 78.5 117.7#

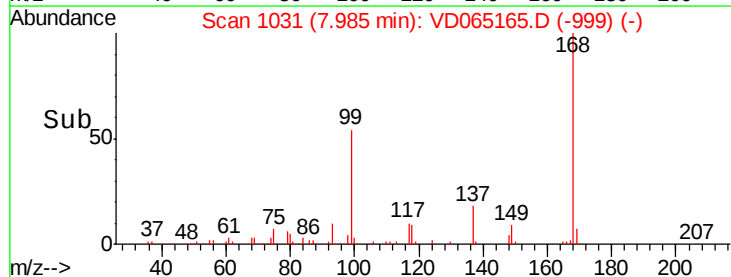
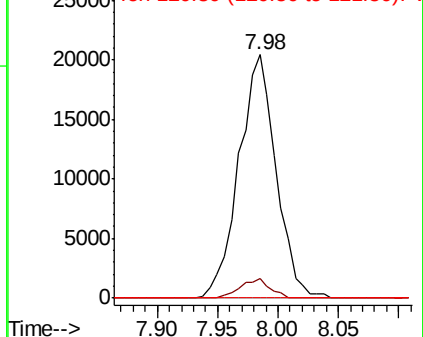
121 0.0 23.8 35.6#

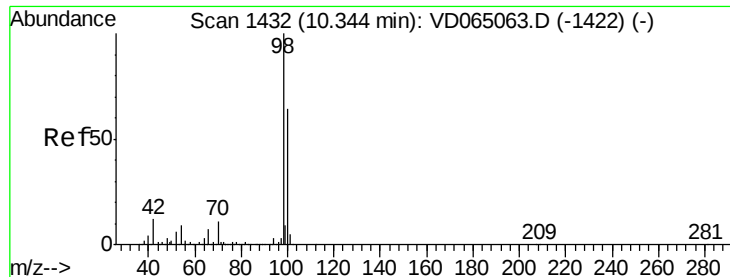


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 55.614 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065165.D

Acq: 12 Feb 2020 16:16

Instrument :

MSVOA_D

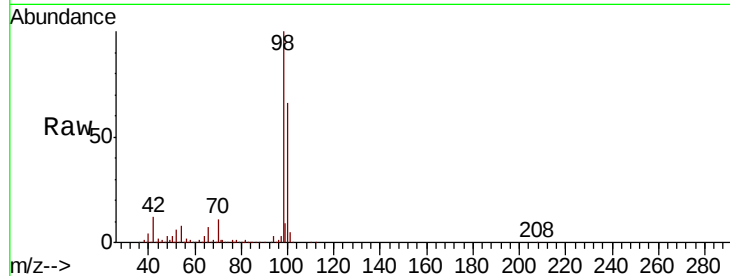
ClientSampleId :

Tot Ion: 98 Resp: 961827

Ion Ratio Lower Upper

98 100

100 65.3 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

600000

500000

400000

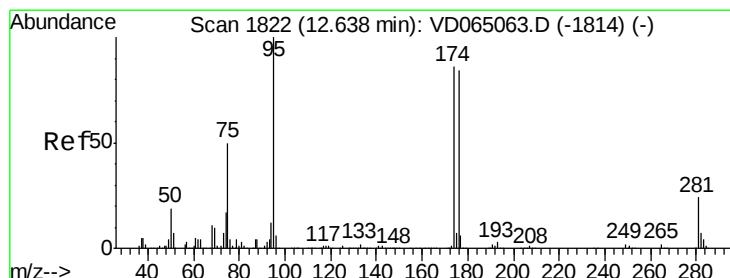
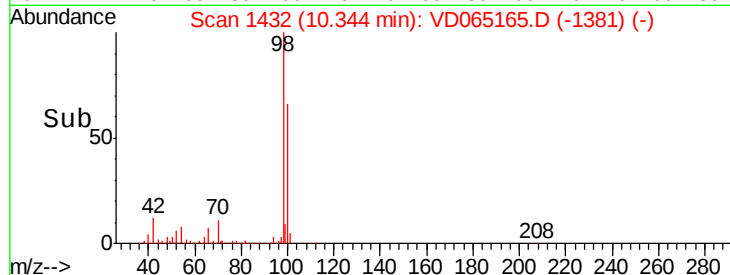
300000

200000

100000

0

Time--> 10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 62.635 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065165.D

Acq: 12 Feb 2020 16:16

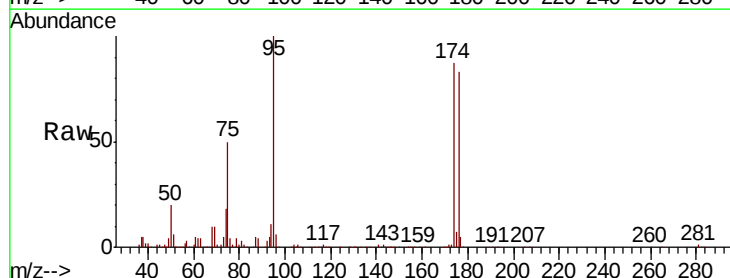
Tgt Ion: 95 Resp: 343242

Ion Ratio Lower Upper

95 100

174 89.2 0.0 180.0

176 86.5 0.0 173.2



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

300000

250000

200000

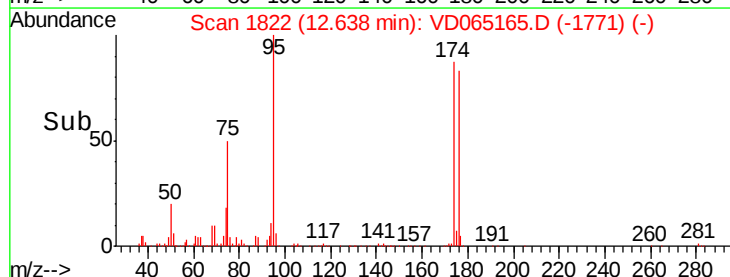
150000

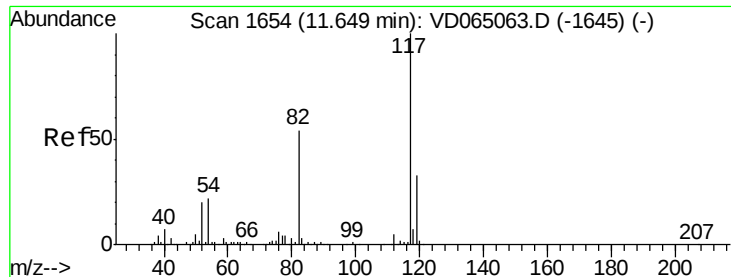
100000

50000

0

Time--> 12.60 12.70

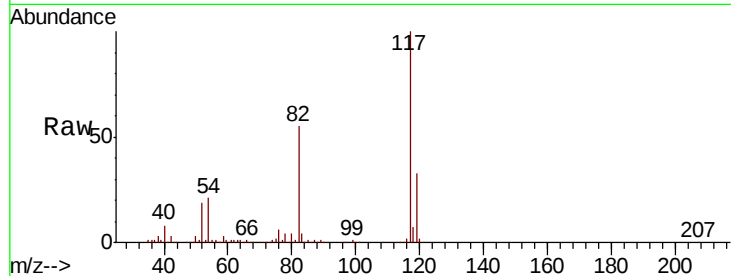




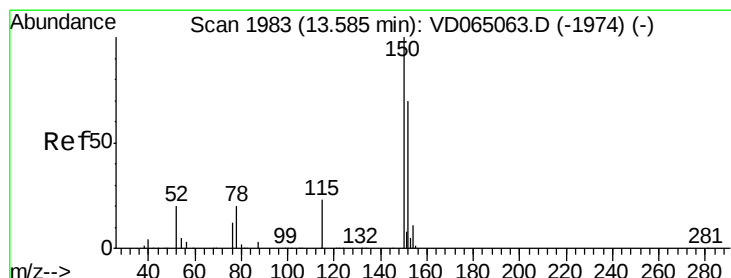
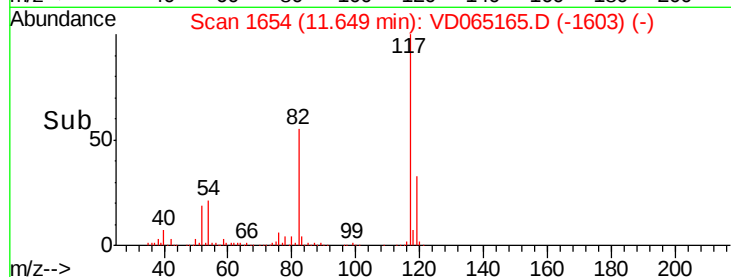
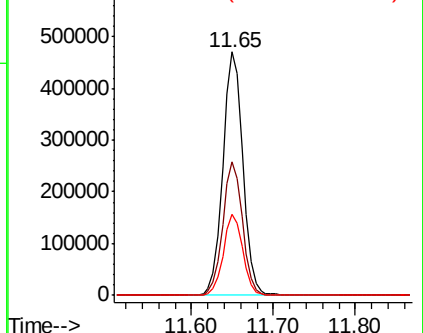
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065165.D
Acq: 12 Feb 2020 16:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 800031
Ion Ratio Lower Upper
117 100
82 54.7 43.1 64.7
119 33.2 26.0 39.0

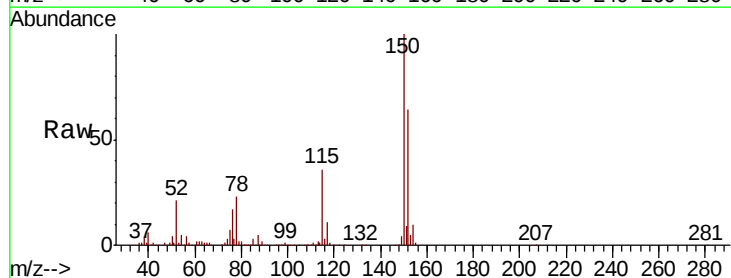


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

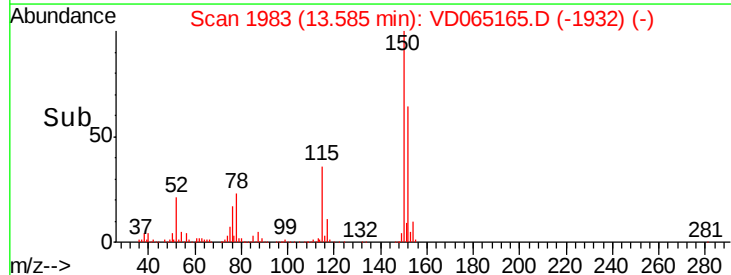
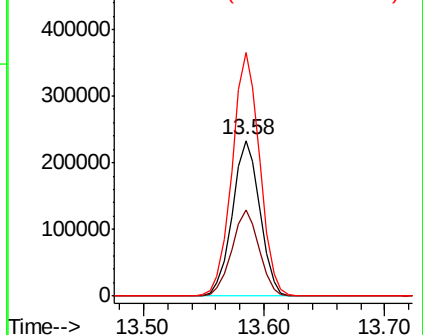


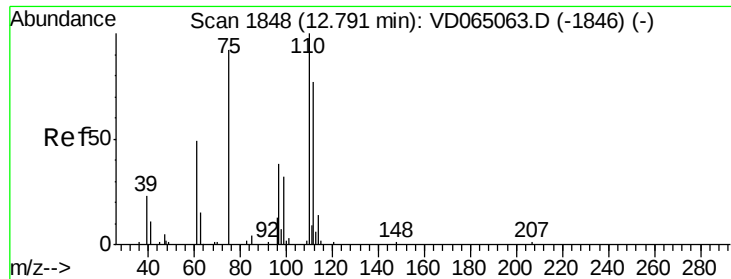
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065165.D
Acq: 12 Feb 2020 16:16

Tgt Ion:152 Resp: 370508
Ion Ratio Lower Upper
152 100
115 55.0 27.5 82.4
150 156.5 0.0 343.2



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: 62.155 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065165.D

Acq: 12 Feb 2020 16:16

Instrument :

MSVOA_D

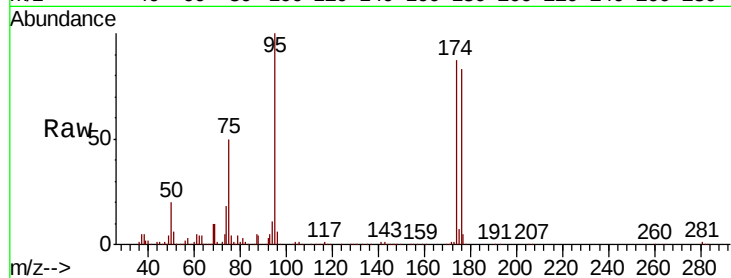
ClientSampleId :

Tot Ion: 75 Resp: 174353

Ion Ratio Lower Upper

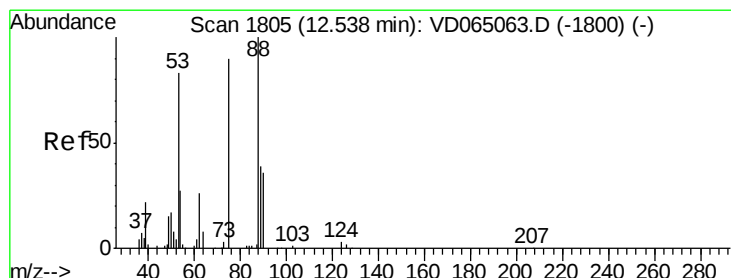
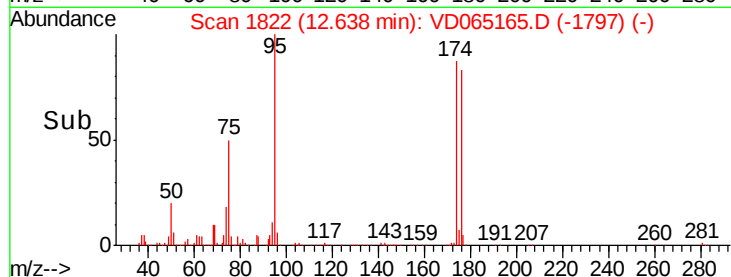
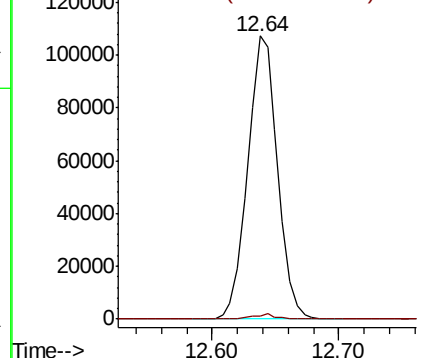
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 124.305 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065165.D

Acq: 12 Feb 2020 16:16

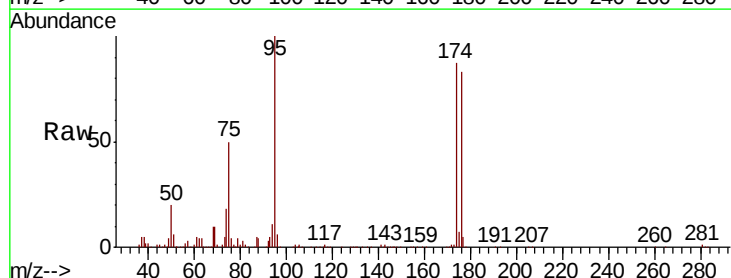
Tgt Ion: 75 Resp: 174353

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 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

