

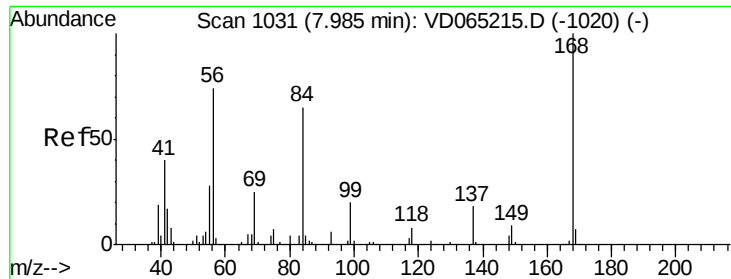
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022620\
 Data File : VD065335.D
 Acq On : 26 Feb 2020 18:39
 Operator : VA/SY
 Sample : L1700-04
 Misc : 5.14G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 27 08:04:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	608022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1011678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	896373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	411609	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	302632	55.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.66%	
35) Dibromofluoromethane	7.92	113	320162	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
50) Toluene-d8	10.34	98	1213353	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.64	95	366359	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
Target Compounds						
20) Methylene Chloride	4.96	84	26633	Below Cal		95
31) Cyclohexane	7.98	56	11476	1.067 ug/l #		3
36) 1,1-Dichloropropene	7.99	75	43272	4.396 ug/l #		48
38) Carbon Tetrachloride	7.99	117	56516	5.640 ug/l #		16
51) 4-Methyl-2-Pentanone	10.34	43	4772	1.256 ug/l #		1
76) 1,2,3-Trichloropropane	12.64	75	179019	51.118 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.64	75	179019	110.372 ug/l #		11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065335.D

Acq: 26 Feb 2020 18:39

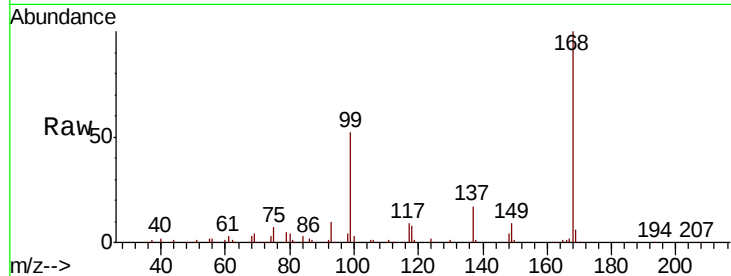
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 608022

Ion Ratio Lower Upper

168 100

99 52.4 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

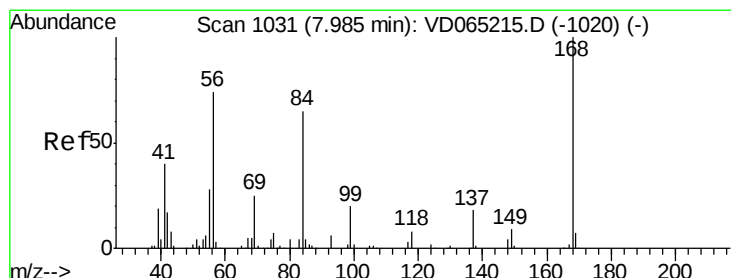
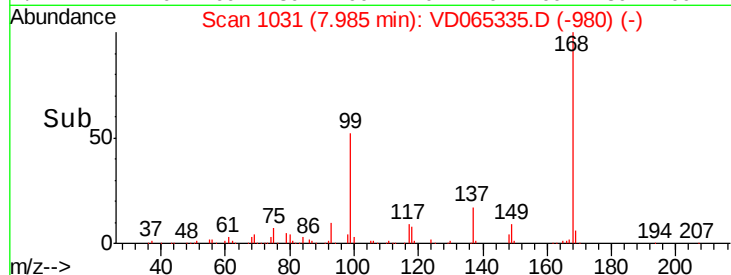
150000

100000

50000

0

Time-->



#31

Cyclohexane

Concen: 1.067 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065335.D

Acq: 26 Feb 2020 18:39

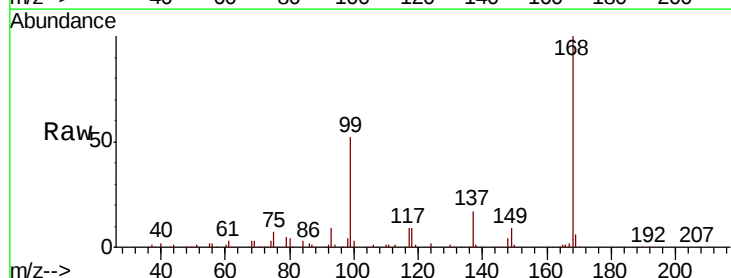
Tgt Ion: 56 Resp: 11476

Ion Ratio Lower Upper

56 100

69 175.3 27.4 41.0#

84 126.7 71.1 106.7#



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

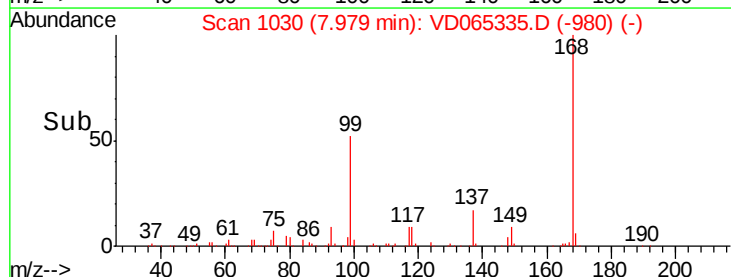
7.98

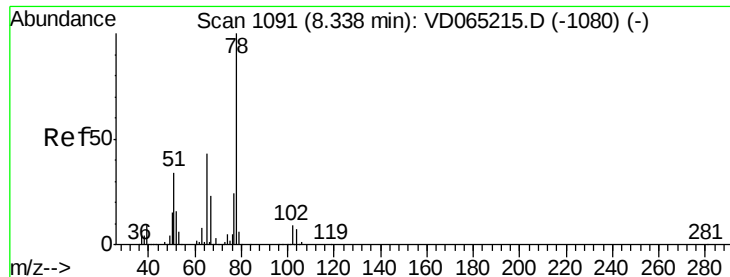
10000

5000

0

Time-->

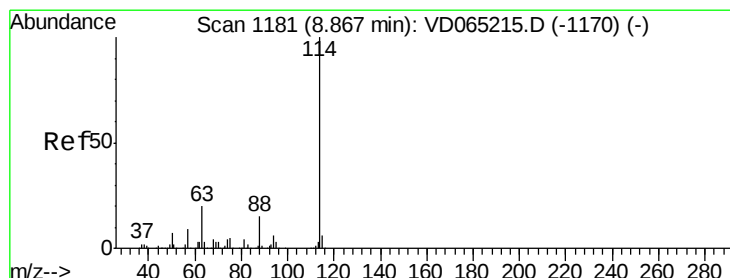
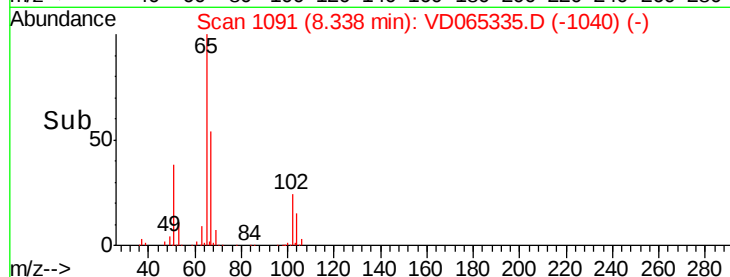
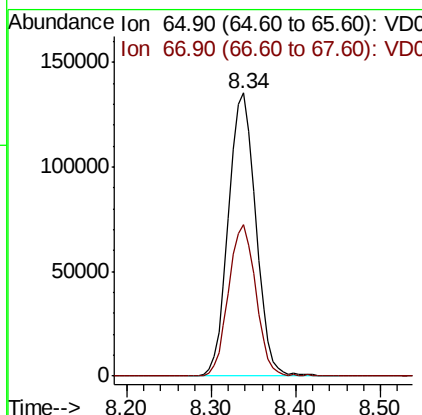
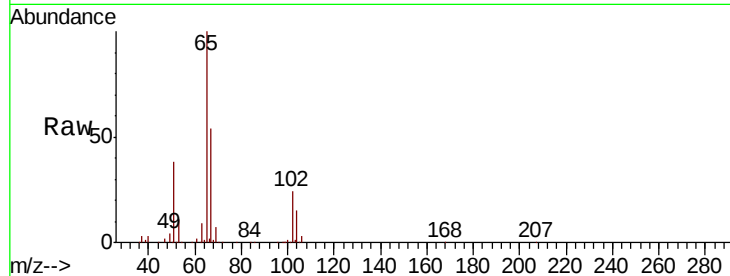




#33
 1,2-Dichloroethane-d4
 Concen: 55.327 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065335.D
 Acq: 26 Feb 2020 18:39

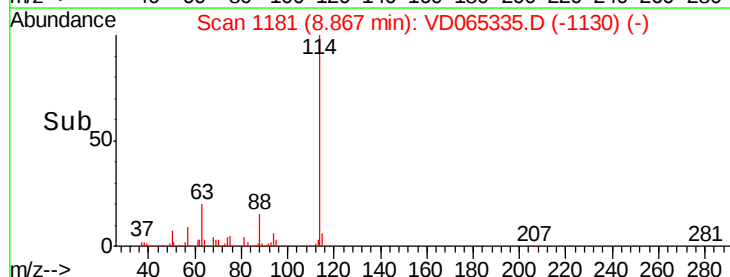
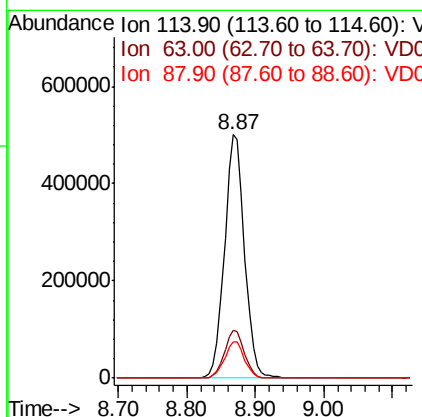
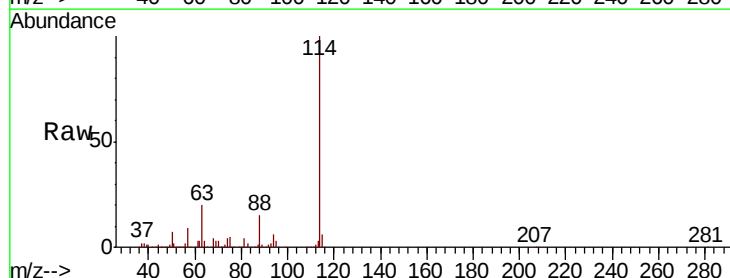
Instrument :
 MSVOA_D
 ClientSampleId :

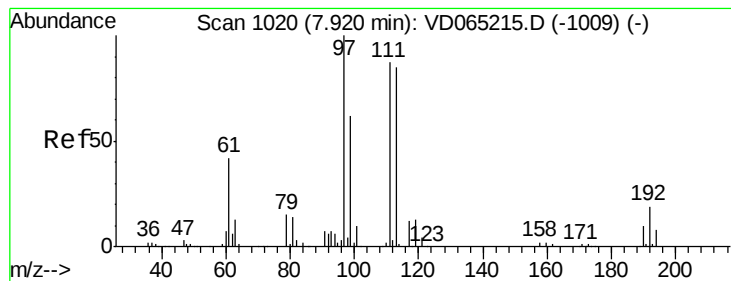
Tot Ion: 65 Resp: 302632
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065335.D
 Acq: 26 Feb 2020 18:39

Tgt Ion: 114 Resp: 1011678
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.4
 88 15.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.902 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065335.D

Acq: 26 Feb 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

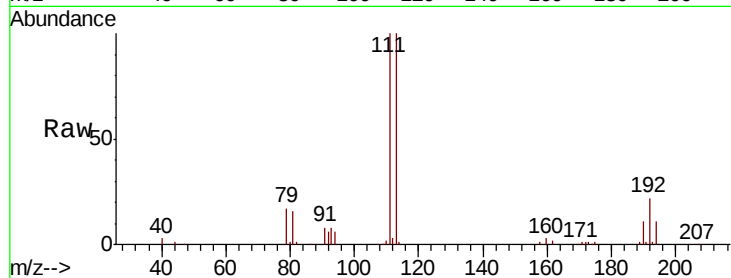
Tot Ion:113 Resp: 320162

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

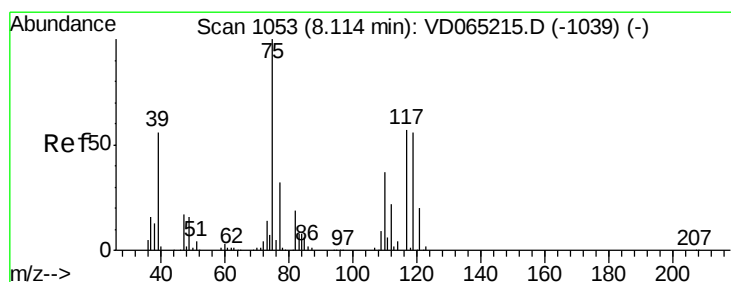
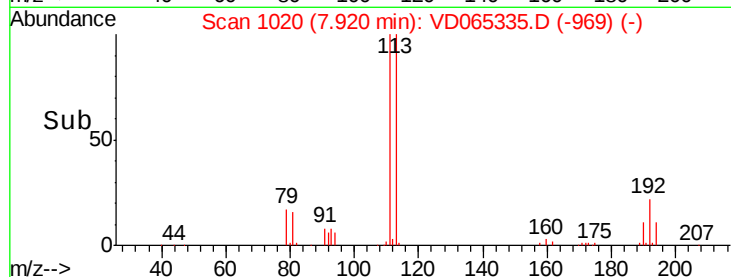
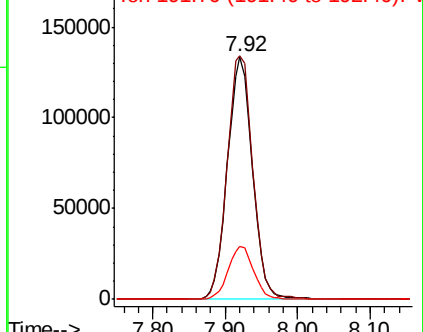
192 21.9 17.3 25.9



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: 4.396 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065335.D

Acq: 26 Feb 2020 18:39

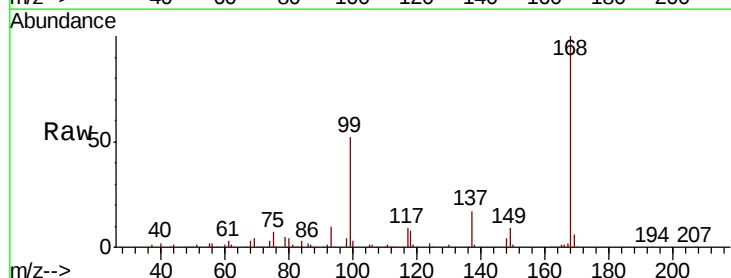
Tgt Ion: 75 Resp: 43272

Ion Ratio Lower Upper

75 100

110 8.1 17.9 53.7#

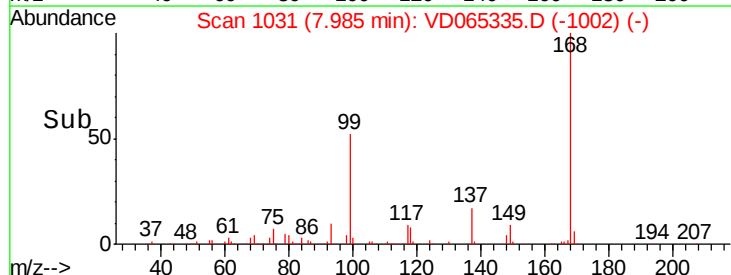
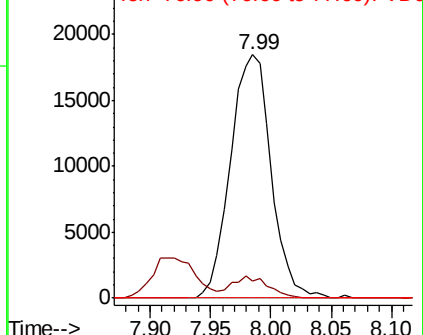
77 0.0 25.1 37.7#

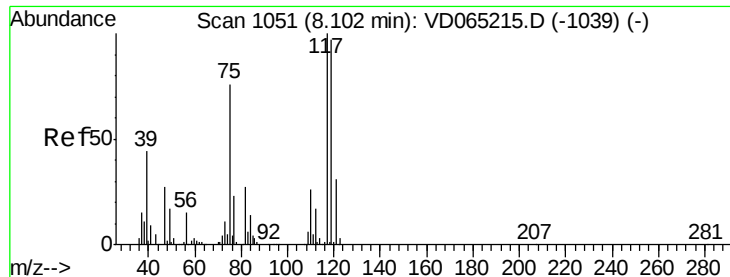


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

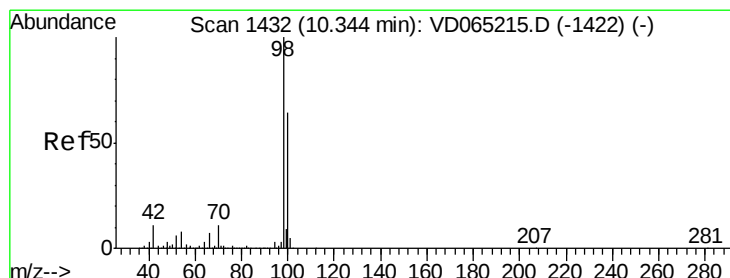
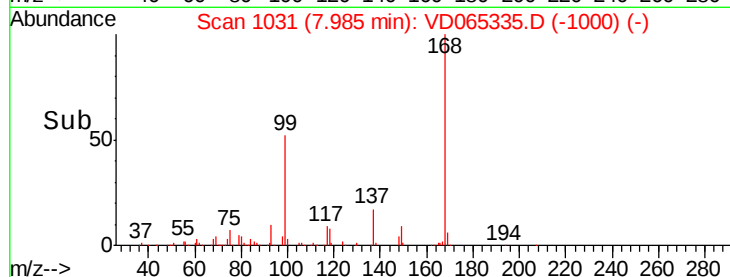
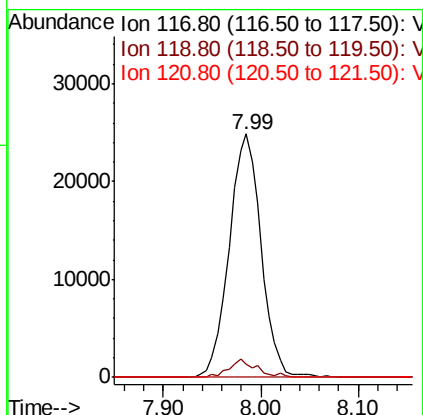
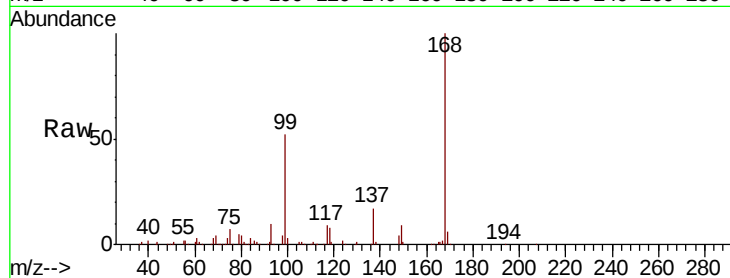




#38
Carbon Tetrachloride
Concen: 5.640 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065335.D
Acq: 26 Feb 2020 18:39

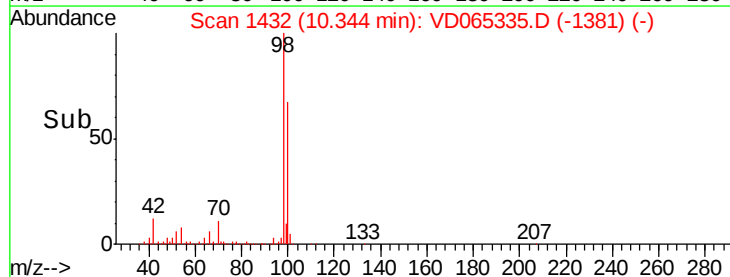
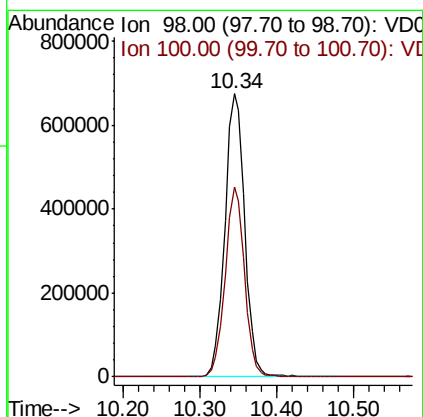
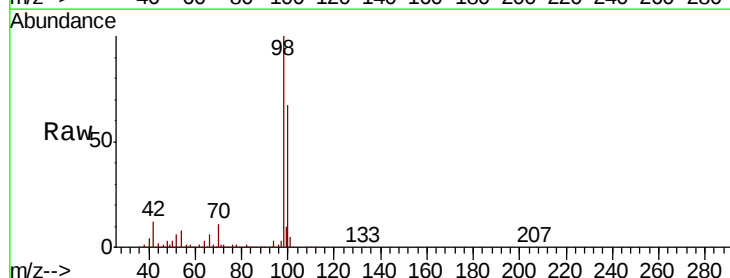
Instrument :
MSVOA_D
ClientSampleId :

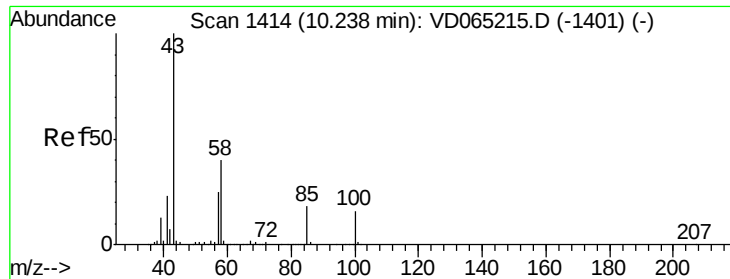
Tot Ion:117 Resp: 56516
Ion Ratio Lower Upper
117 100
119 5.6 77.6 116.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.452 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065335.D
Acq: 26 Feb 2020 18:39

Tgt Ion: 98 Resp: 1213353
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.256 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.10 min

Lab File: VD065335.D

Acq: 26 Feb 2020 18:39

Instrument :

MSVOA_D

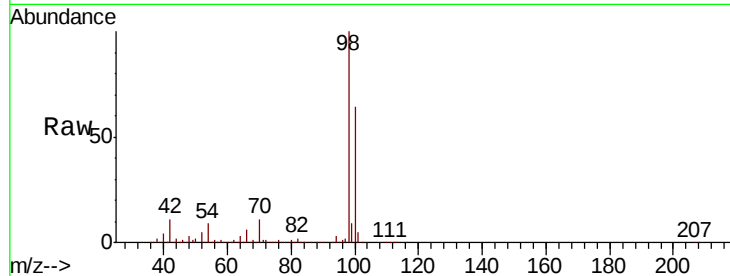
ClientSampleID :

Tot Ion: 43 Resp: 4772

Ion Ratio Lower Upper

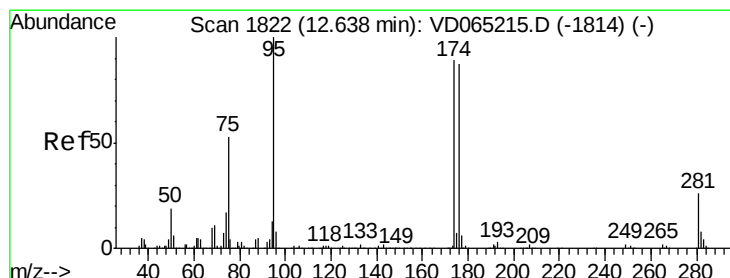
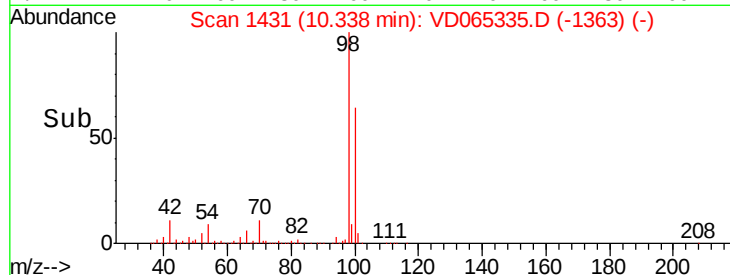
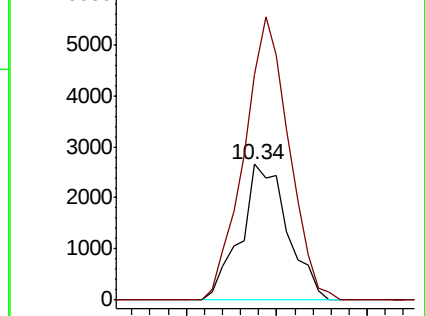
43 100

58 200.2 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 49.040 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065335.D

Acq: 26 Feb 2020 18:39

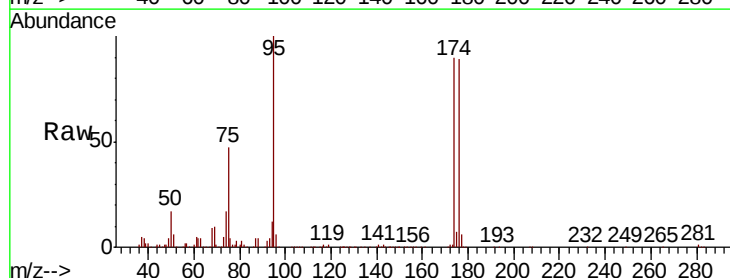
Tgt Ion: 95 Resp: 366359

Ion Ratio Lower Upper

95 100

174 90.2 0.0 178.0

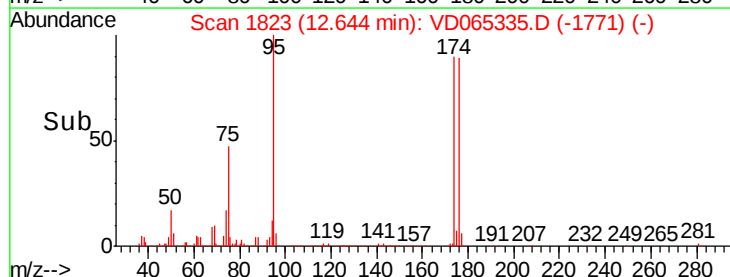
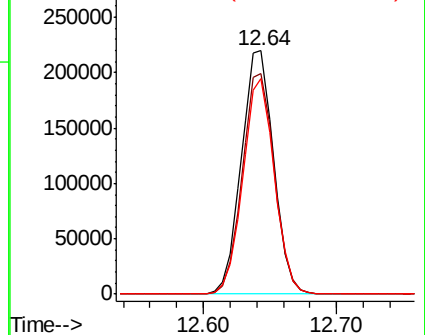
176 86.2 0.0 174.4

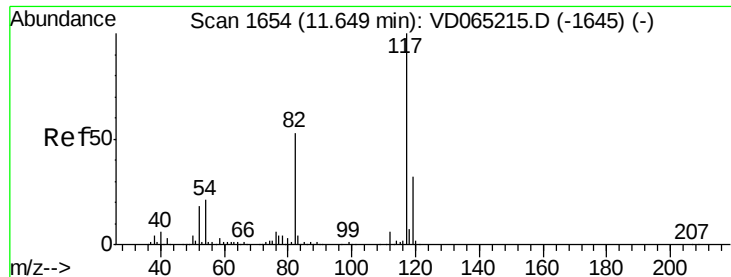


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

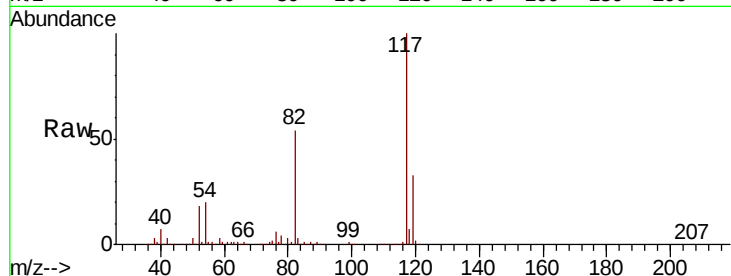




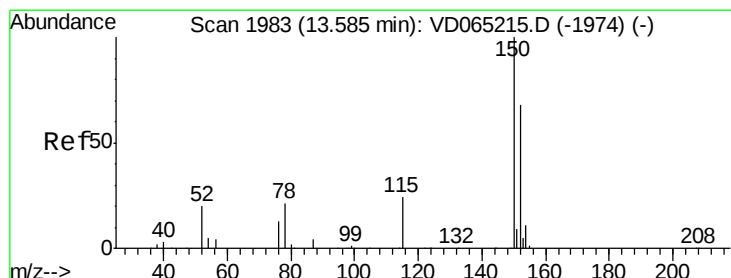
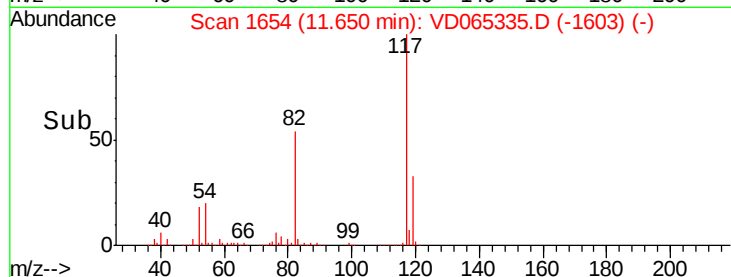
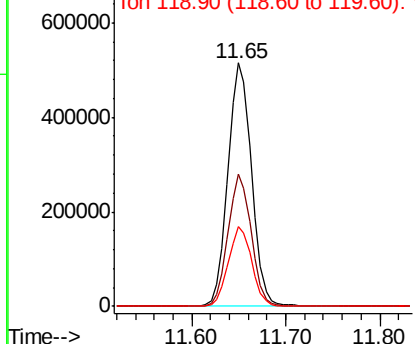
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065335.D
Acq: 26 Feb 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 896373
Ion Ratio Lower Upper
117 100
82 54.1 42.7 64.1
119 32.6 25.5 38.3

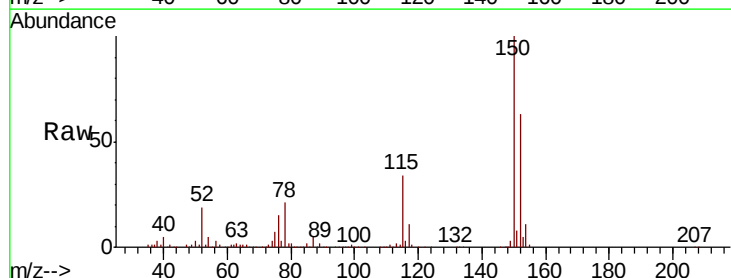


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

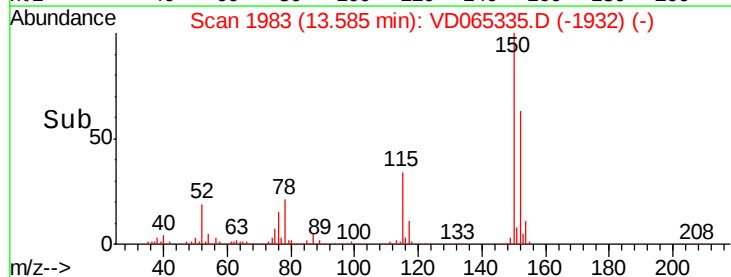
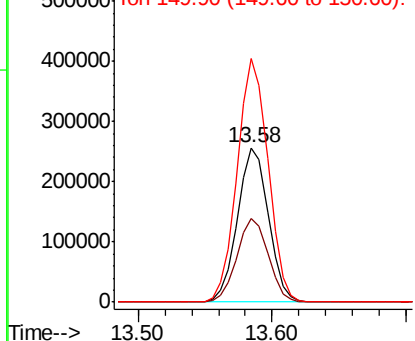


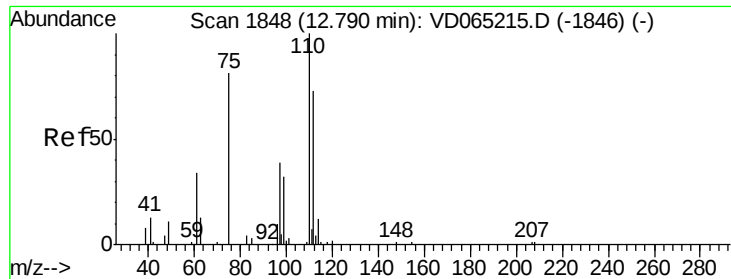
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065335.D
Acq: 26 Feb 2020 18:39

Tgt Ion:152 Resp: 411609
Ion Ratio Lower Upper
152 100
115 54.9 27.6 82.8
150 157.3 0.0 347.4



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: 51.118 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065335.D

Acq: 26 Feb 2020 18:39

Instrument :

MSVOA_D

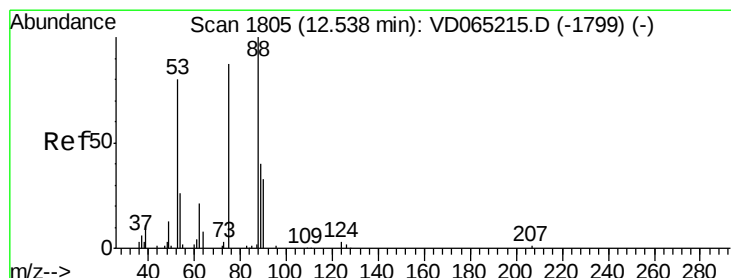
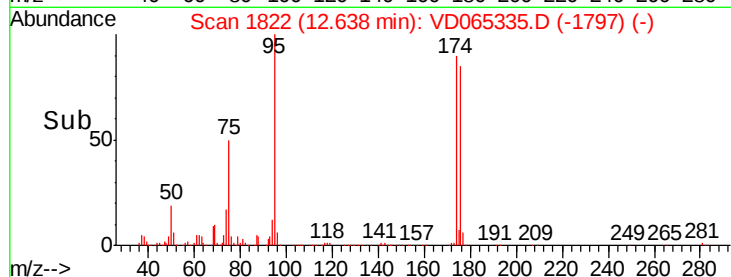
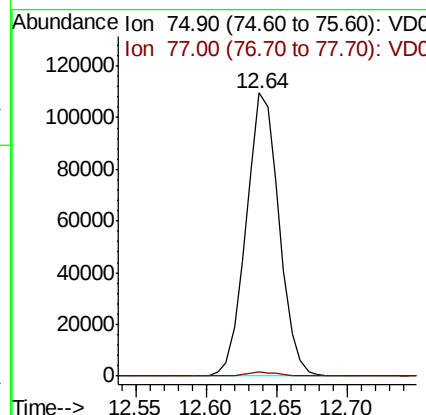
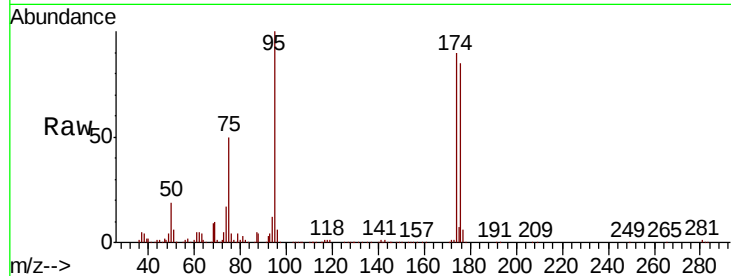
ClientSampleId :

Tot Ion: 75 Resp: 179019

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 110.372 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065335.D

Acq: 26 Feb 2020 18:39

Tgt Ion: 75 Resp: 179019

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.0 37.2 55.8#

