

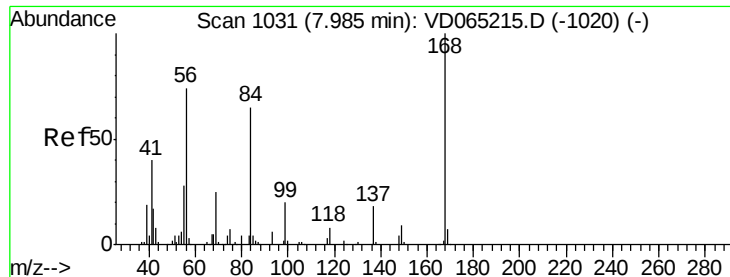
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065262.D
 Acq On : 20 Feb 2020 18:24
 Operator : VA/SY
 Sample : L1625-04
 Misc : 4.58G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 21 04:04:58 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	598293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	991340	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	859600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	356819	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	302934	56.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.56%	
35) Dibromofluoromethane	7.92	113	312086	51.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.26%	
50) Toluene-d8	10.34	98	1198373	51.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.64	95	334132	45.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.28%	
Target Compounds						
					Qvalue	
13) Acrolein	3.66	56	63	Below Cal	#	14
16) Acetone	4.17	43	4383	3.331	ug/l #	79
31) Cyclohexane	7.99	56	11741	1.109	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	42228	4.378	ug/l #	49
38) Carbon Tetrachloride	7.99	117	53973	5.497	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	4900	1.316	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	163936	53.999	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	163936	116.593	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: VD065262.D

Acq: 20 Feb 2020 18:24

Instrument :

MSVOA_D

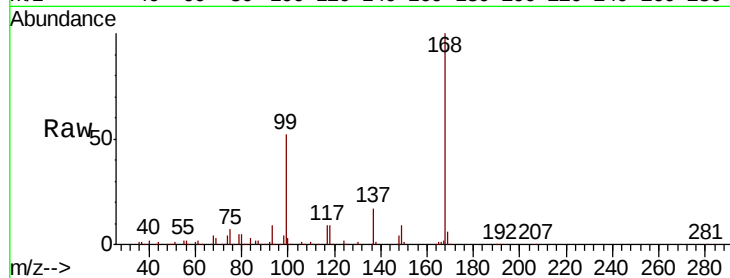
ClientSampleId :

Tot Ion:168 Resp: 598293

Ion Ratio Lower Upper

168 100

99 52.2 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

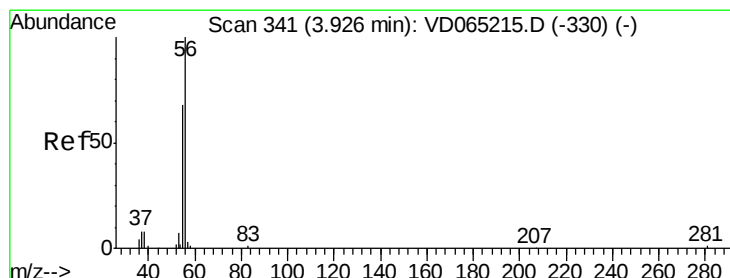
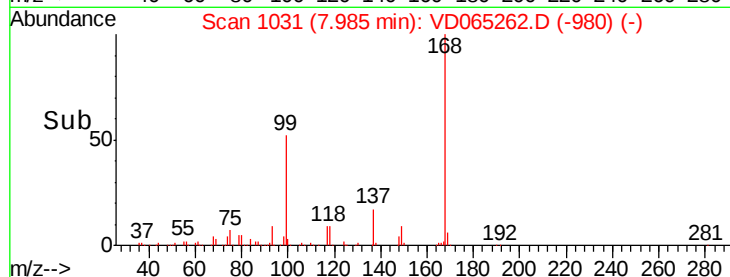
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: Below Cal

RT: 3.66 min Scan# 295

Delta R.T. -0.27 min

Lab File: VD065262.D

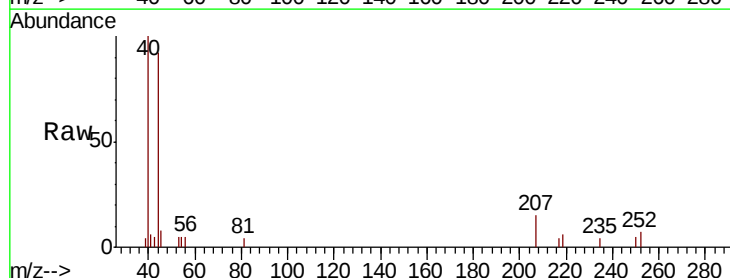
Acq: 20 Feb 2020 18:24

Tgt Ion: 56 Resp: 63

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.66

200

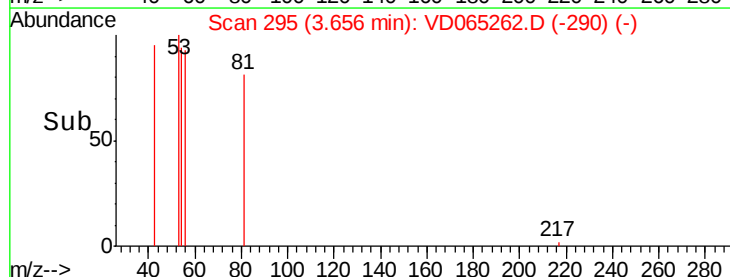
150

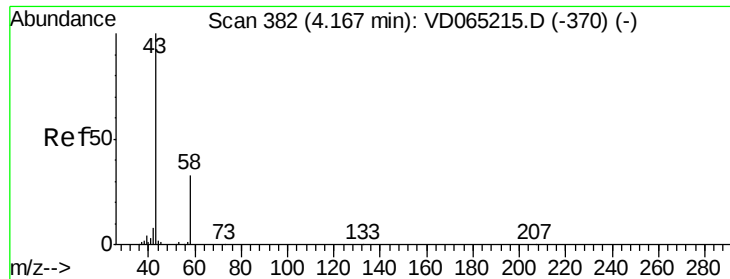
100

50

0

Time-->





#16

Acetone

Concen: 3.331 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065262.D

Acq: 20 Feb 2020 18:24

Instrument :

MSVOA_D

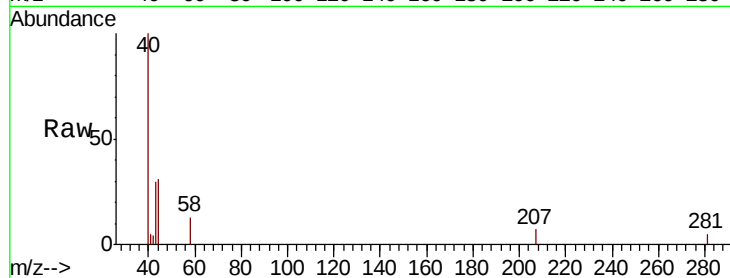
ClientSampled :

Tot Ion: 43 Resp: 4383

Ion Ratio Lower Upper

43 100

58 44.3 26.2 39.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

1500

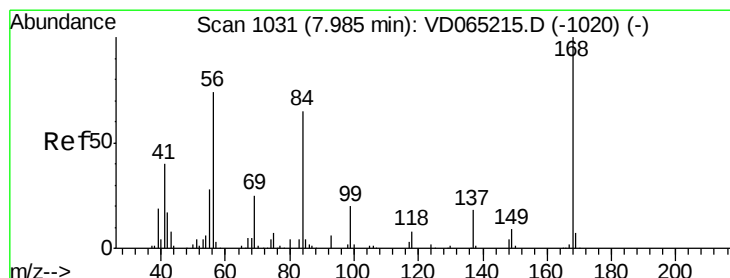
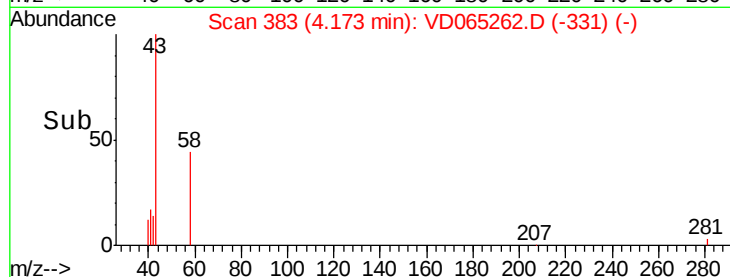
1000

500

0

4.05 4.10 4.15 4.20 4.25

Time-->



#31

Cyclohexane

Concen: 1.109 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD065262.D

Acq: 20 Feb 2020 18:24

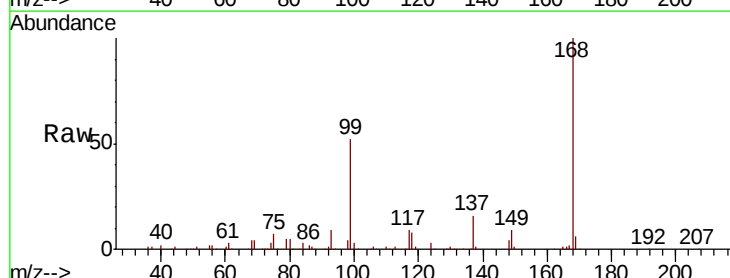
Tgt Ion: 56 Resp: 11741

Ion Ratio Lower Upper

56 100

69 168.5 27.4 41.0#

84 136.0 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

12000

10000

8000

6000

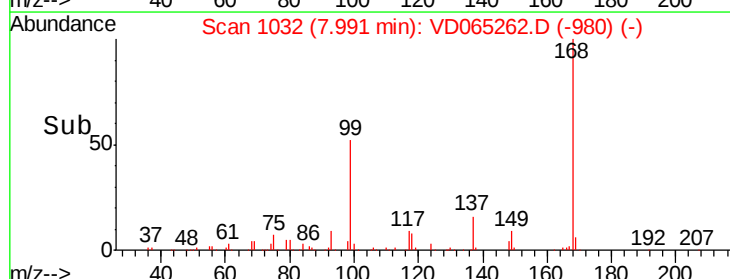
4000

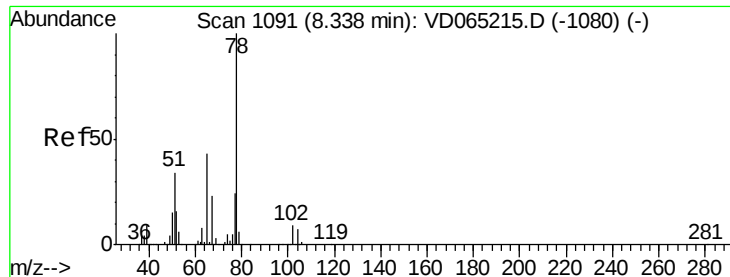
2000

0

7.90 7.95 8.00 8.05

Time-->





#33

1,2-Dichloroethane-d4

Concen: 56.283 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065262.D

Acq: 20 Feb 2020 18:24

Instrument :

MSVOA_D

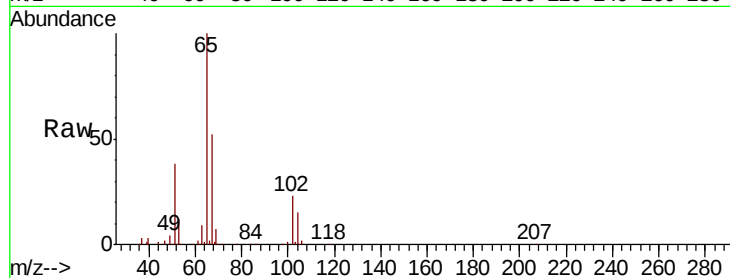
ClientSampleId :

Tot Ion: 65 Resp: 302934

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

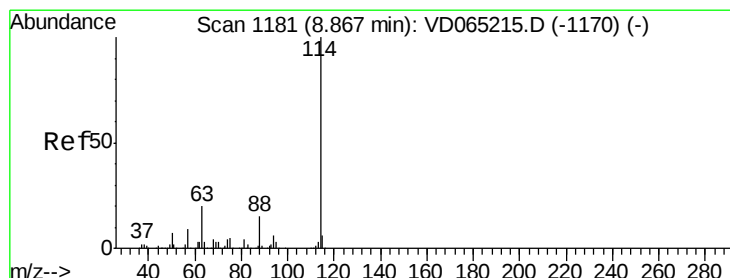
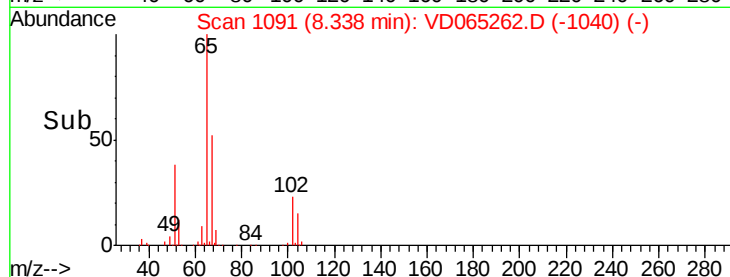
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065262.D

Acq: 20 Feb 2020 18:24

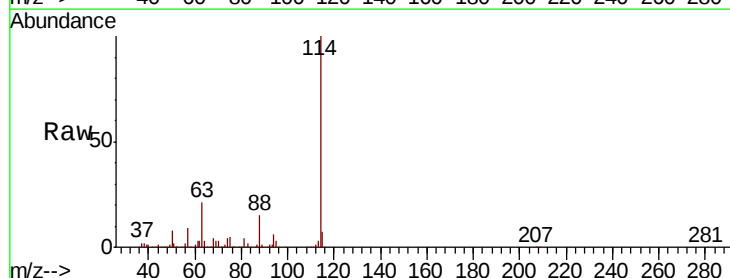
Tgt Ion: 114 Resp: 991340

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.4

88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

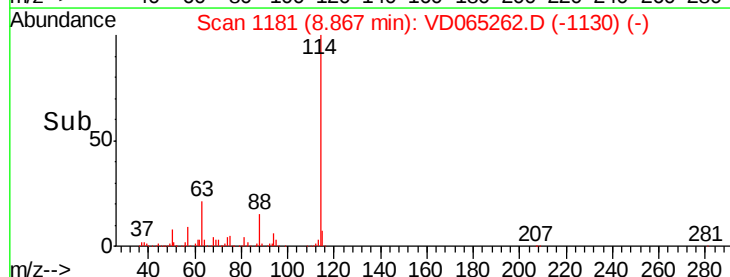
600000

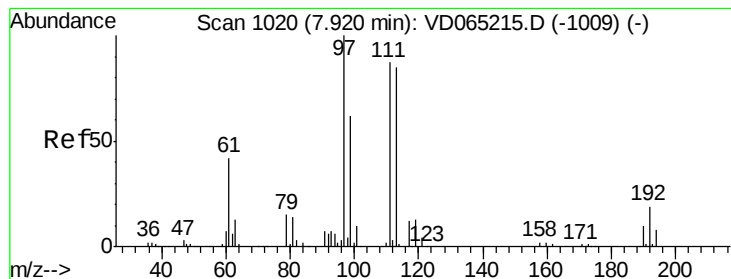
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 51.630 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065262.D

Acq: 20 Feb 2020 18:24

Instrument :
MSVOA_D
ClientSampleId :

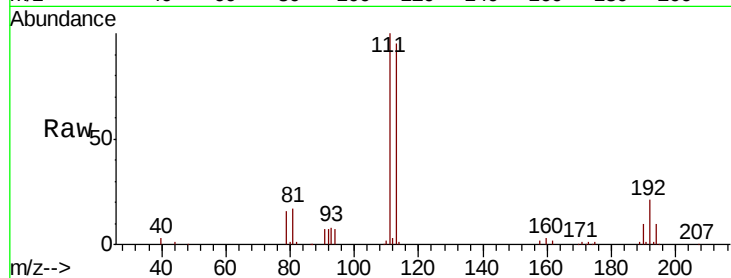
Tot Ion:113 Resp: 312086

Ion Ratio Lower Upper

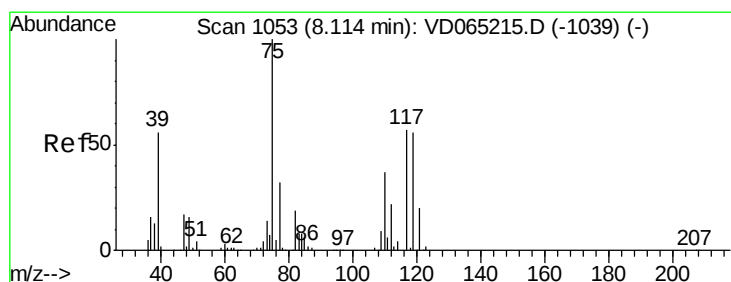
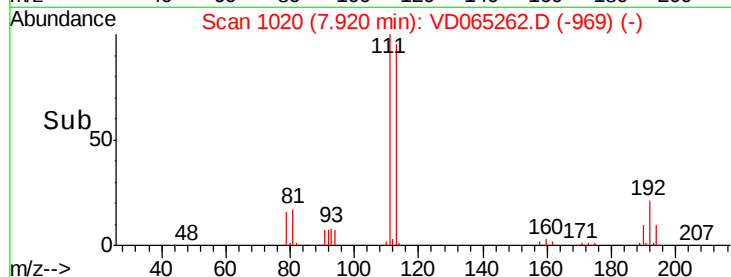
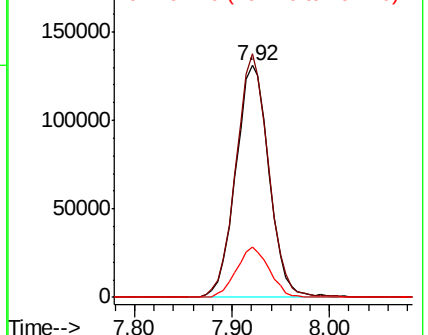
113 100

111 102.5 82.9 124.3

192 21.6 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: 4.378 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD065262.D

Acq: 20 Feb 2020 18:24

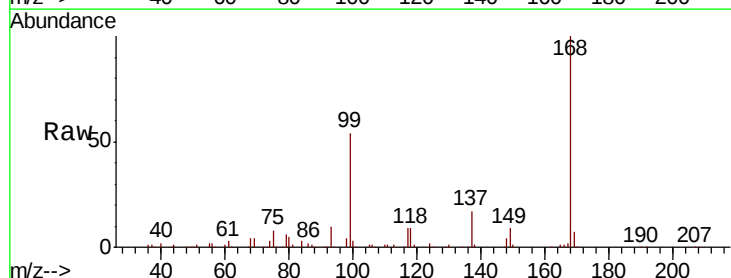
Tgt Ion: 75 Resp: 42228

Ion Ratio Lower Upper

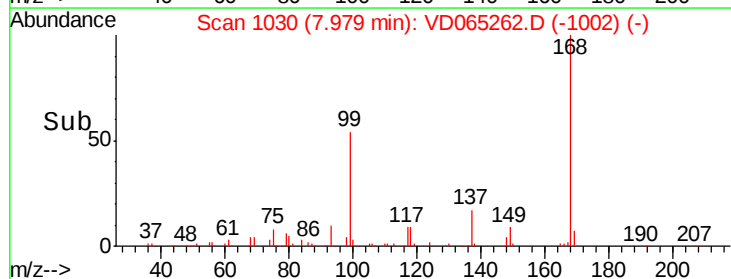
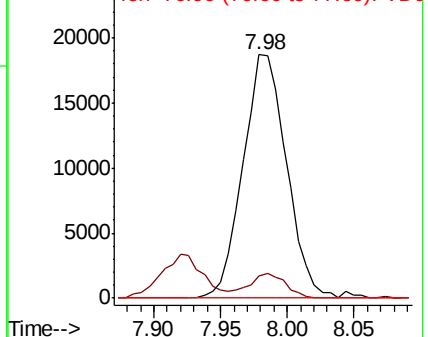
75 100

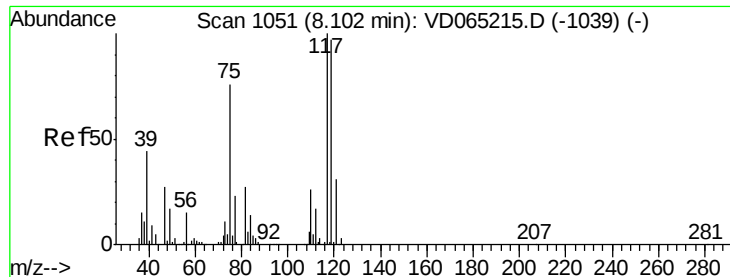
110 8.7 17.9 53.7#

77 0.0 25.1 37.7#



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

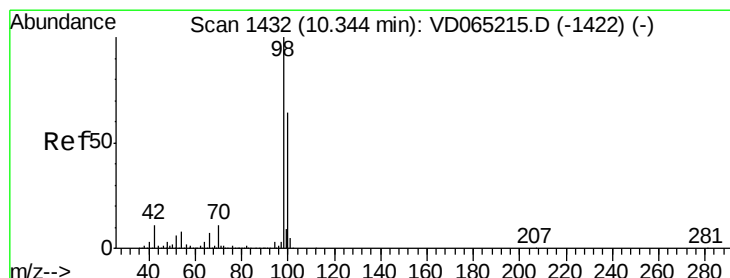
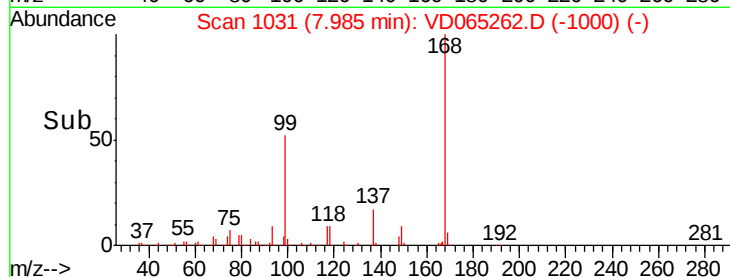
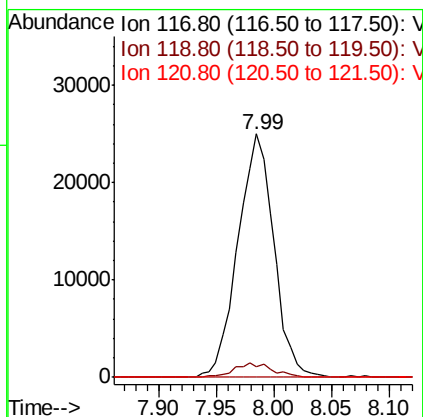
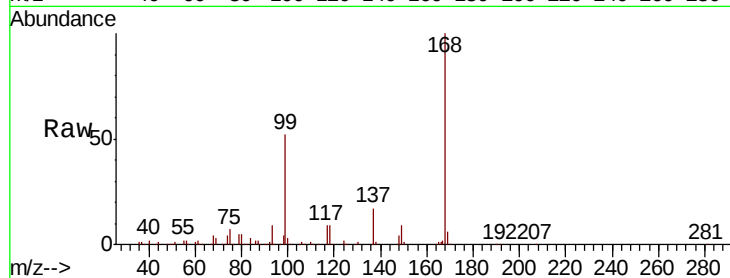




#38
Carbon Tetrachloride
Concen: 5.497 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065262.D
Acq: 20 Feb 2020 18:24

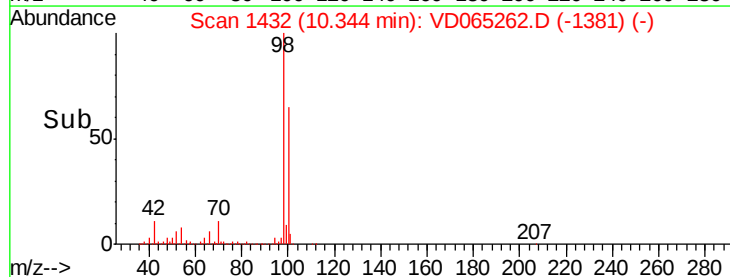
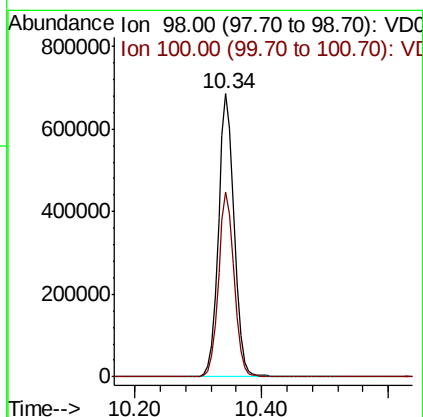
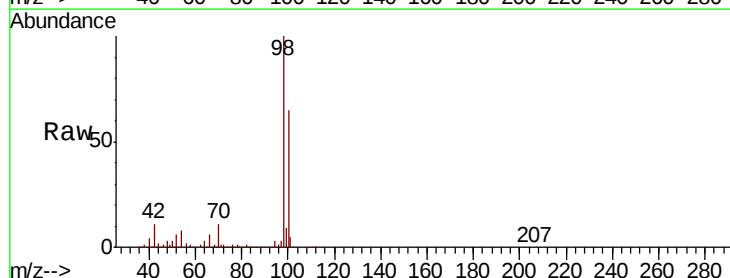
Instrument :
MSVOA_D
ClientSampleId :

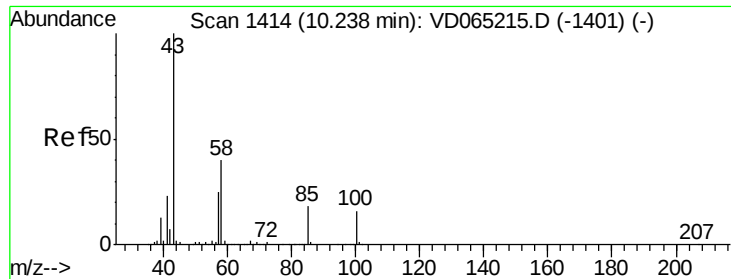
Tot Ion:117 Resp: 53973
Ion Ratio Lower Upper
117 100
119 4.3 77.6 116.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.860 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065262.D
Acq: 20 Feb 2020 18:24

Tgt Ion: 98 Resp: 1198373
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0

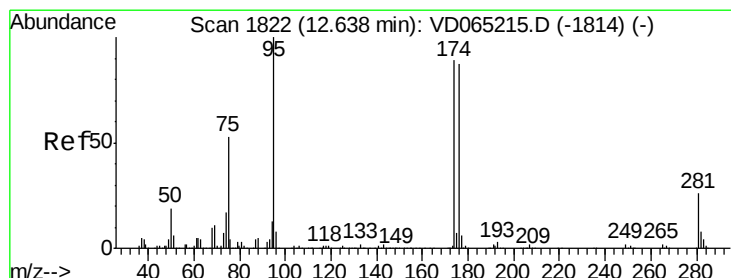
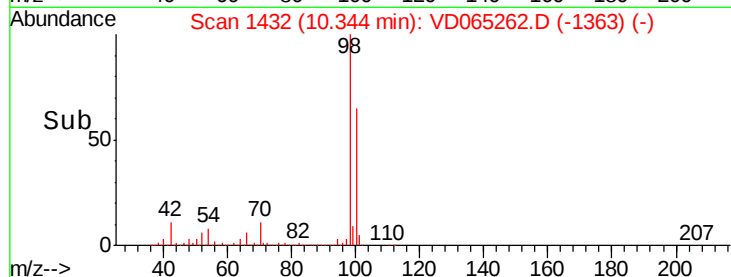
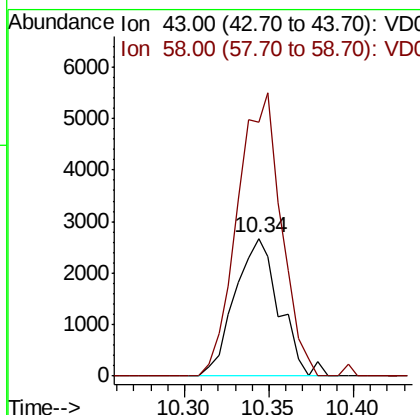
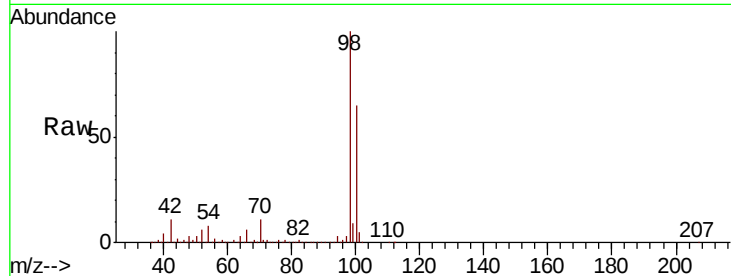




#51
4-Methyl-2-Pentanone
Concen: 1.316 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD065262.D
Acq: 20 Feb 2020 18:24

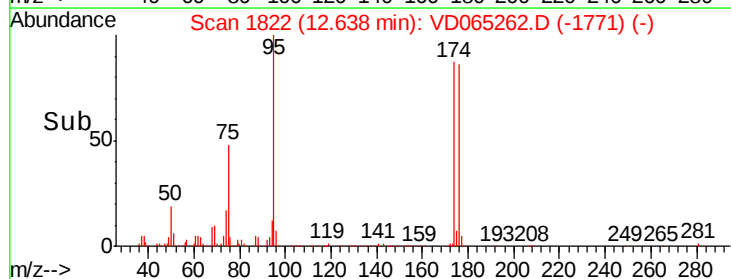
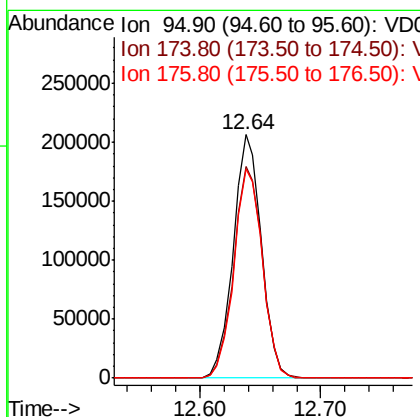
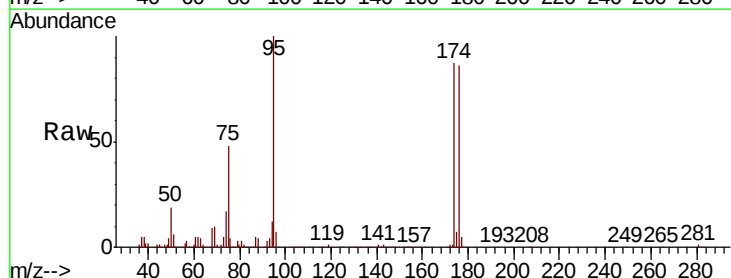
Instrument :
MSVOA_D
ClientSampleId :

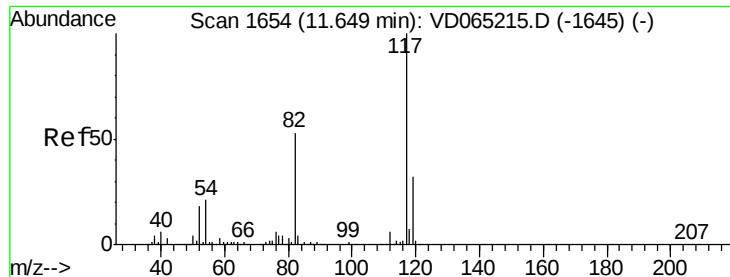
Tot Ion: 43 Resp: 4900
Ion Ratio Lower Upper
43 100
58 202.8 31.1 46.7#



#62
4-Bromofluorobenzene
Concen: 45.644 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065262.D
Acq: 20 Feb 2020 18:24

Tgt Ion: 95 Resp: 334132
Ion Ratio Lower Upper
95 100
174 88.9 0.0 178.0
176 87.2 0.0 174.4

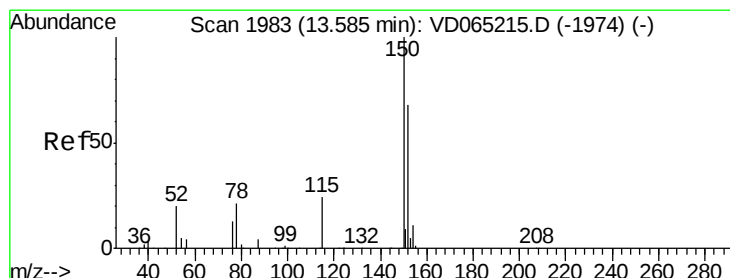
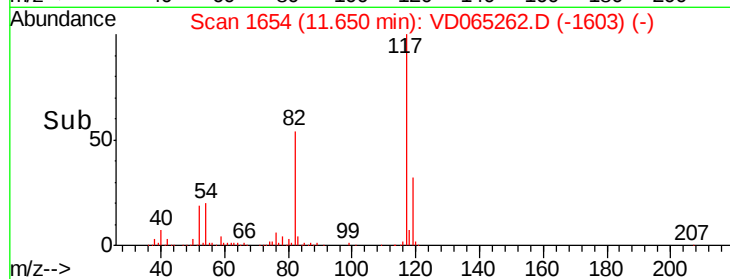
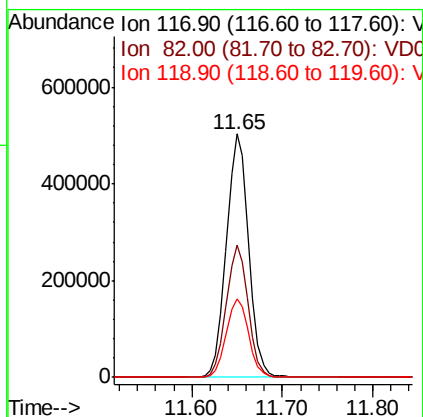
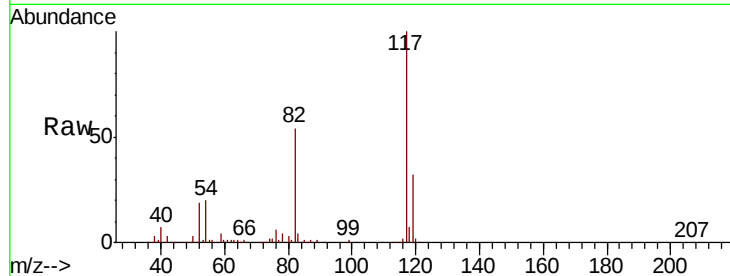




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065262.D
Acq: 20 Feb 2020 18:24

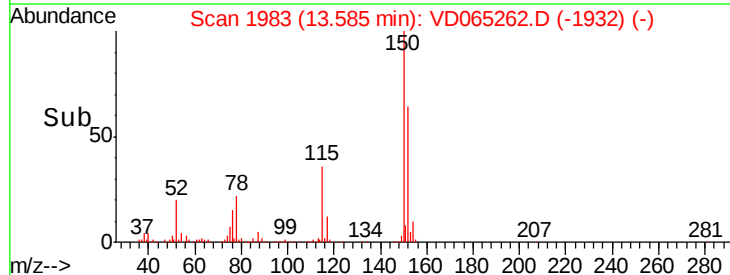
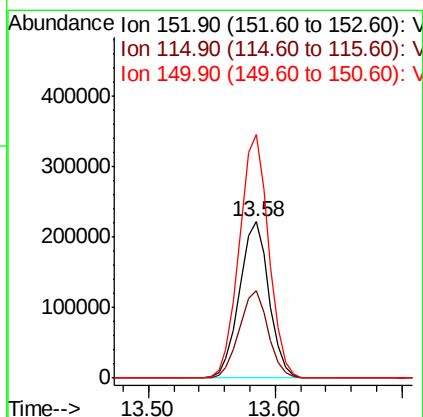
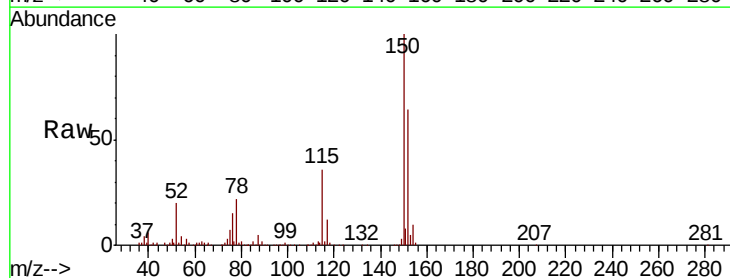
Instrument :
MSVOA_D
ClientSampleId :

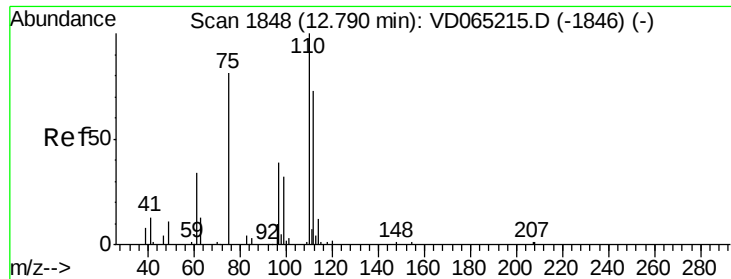
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	42.7	64.1
119	32.5	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065262.D
Acq: 20 Feb 2020 18:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.6	82.8
150	155.4	0.0	347.4





#76

1,2,3-Trichloropropane

Concen: 53.999 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065262.D

Acq: 20 Feb 2020 18:24

Instrument :

MSVOA_D

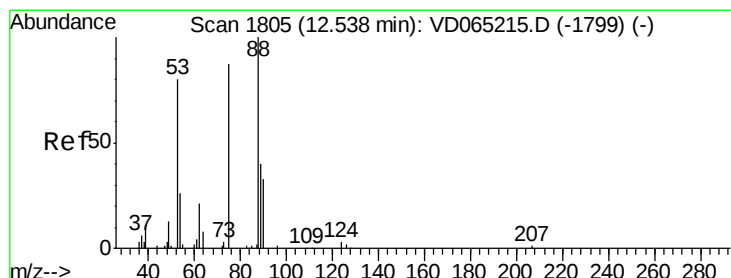
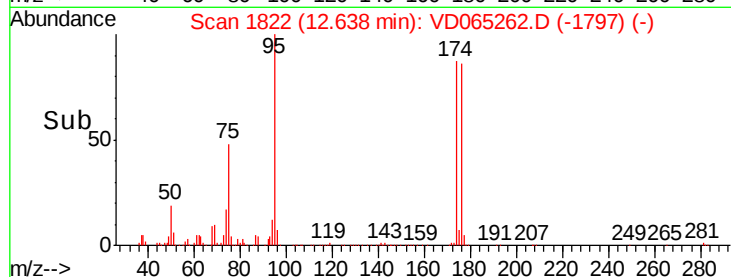
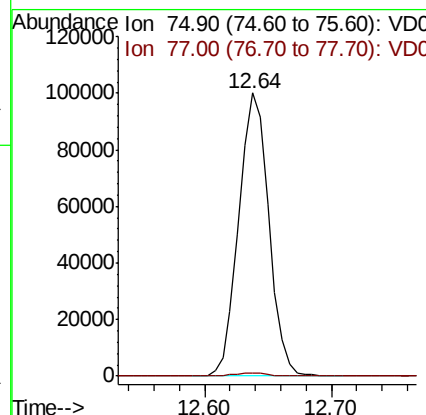
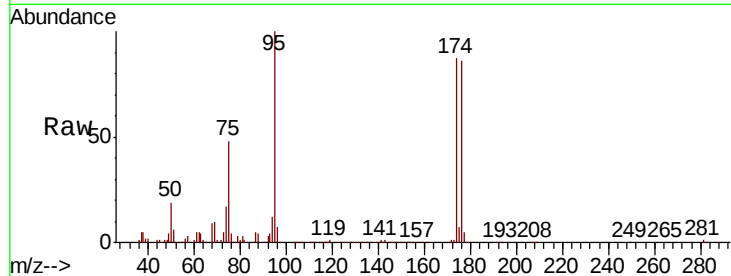
ClientSampleId :

Tot Ion: 75 Resp: 163936

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 116.593 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065262.D

Acq: 20 Feb 2020 18:24

Tgt Ion: 75 Resp: 163936

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.0 37.2 55.8#

