

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065442.D
 Acq On : 09 Mar 2020 11:23
 Operator : VA/SY
 Sample : VD0309SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 10 12:17:22 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	560465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	938894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	854460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	396942	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	264233	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	
35) Dibromofluoromethane	7.92	113	295970	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	10.34	98	1141585	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.64	95	344844	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	

Target Compounds

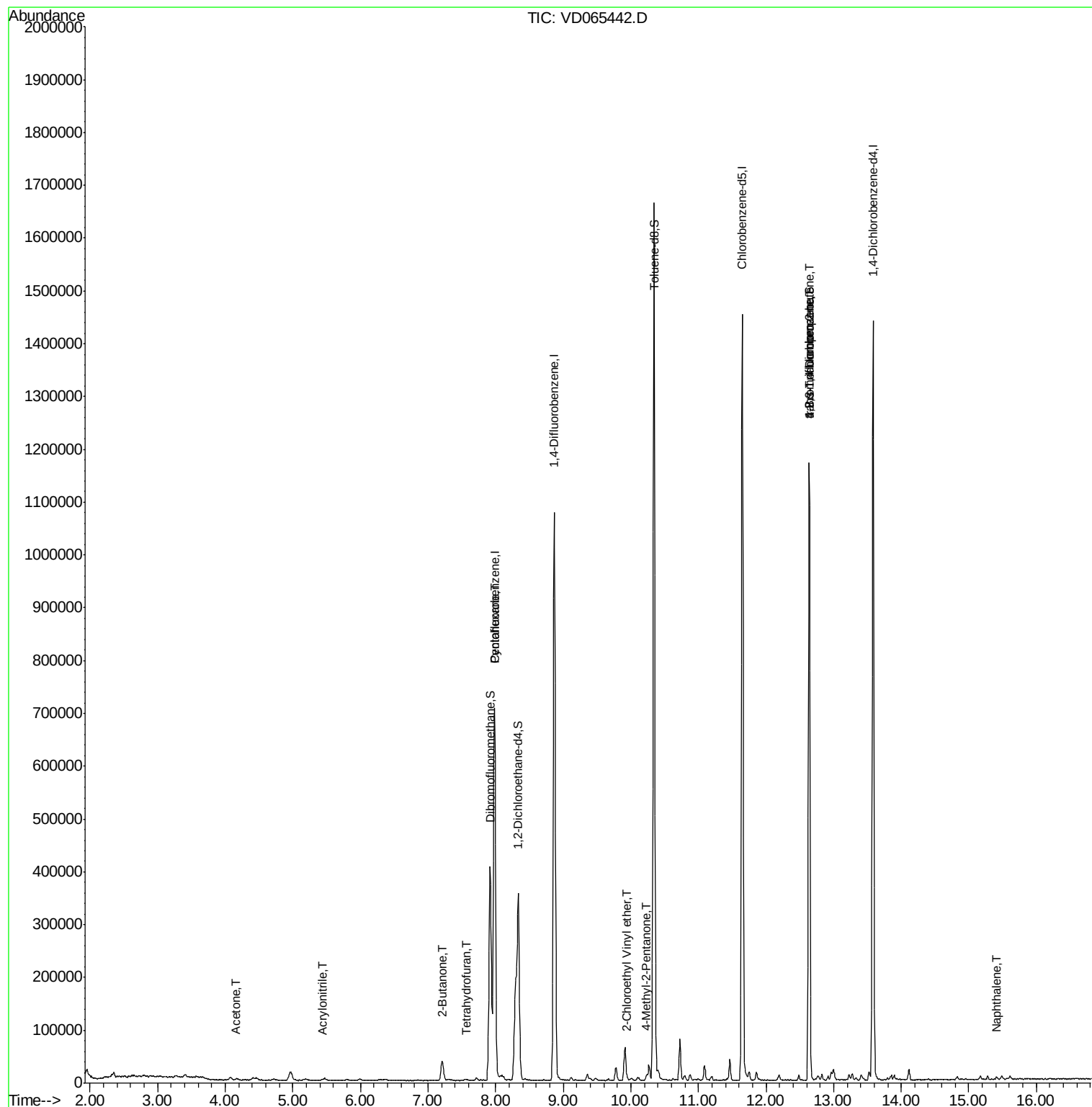
					Qvalue	
5) Bromomethane	2.79	94	1817	Below Cal	#	73
15) Acrylonitrile	5.44	53	1565	1.431	ug/l #	78
16) Acetone	4.17	43	5594	5.753	ug/l #	84
20) Methylene Chloride	4.96	84	13378	Below Cal		90
25) 2-Butanone	7.21	43	3414	2.573	ug/l #	86
29) Tetrahydrofuran	7.57	42	1139	1.344	ug/l #	48
31) Cyclohexane	7.98	56	13593	1.424	ug/l #	21
51) 4-Methyl-2-Pentanone	10.23	43	7339	2.271	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	1428	3.078	ug/l #	74
76) 1,2,3-Trichloropropane	12.64	75	169035	53.967	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	169035	113.886	ug/l #	14
95) Naphthalene	15.41	128	4920	4.757	ug/l #	93

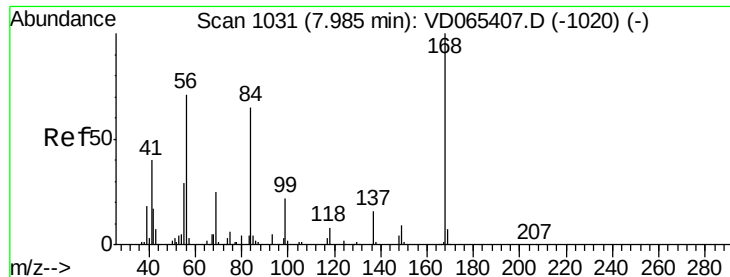
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030920\
Data File : VD065442.D
Acq On : 09 Mar 2020 11:23
Operator : VA/SY
Sample : VD0309SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :

Quant Time: Mar 10 12:17:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
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: VD065442.D

Acq: 09 Mar 2020 11:23

Instrument :

MSVOA_D

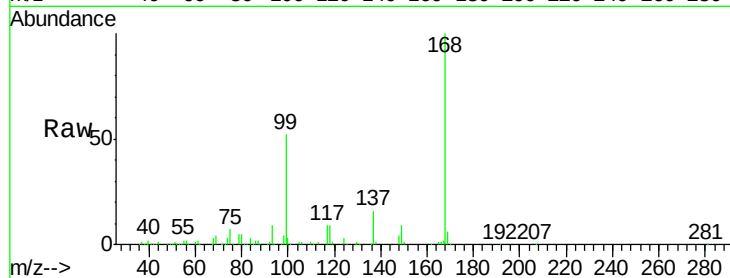
ClientSampled :

Tot Ion:168 Resp: 560465

Ion Ratio Lower Upper

168 100

99 51.8 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

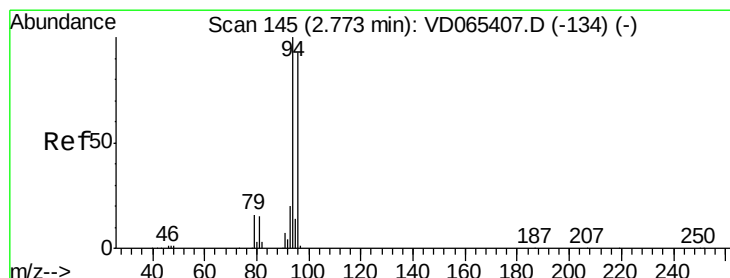
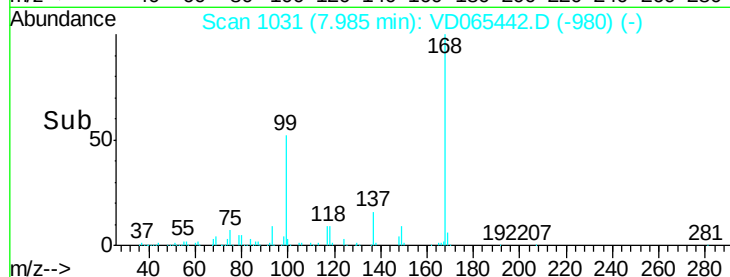
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD065442.D

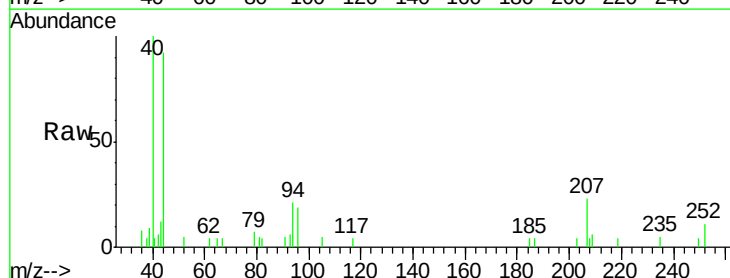
Acq: 09 Mar 2020 11:23

Tgt Ion: 94 Resp: 1817

Ion Ratio Lower Upper

94 100

96 66.9 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.79

1200

1000

800

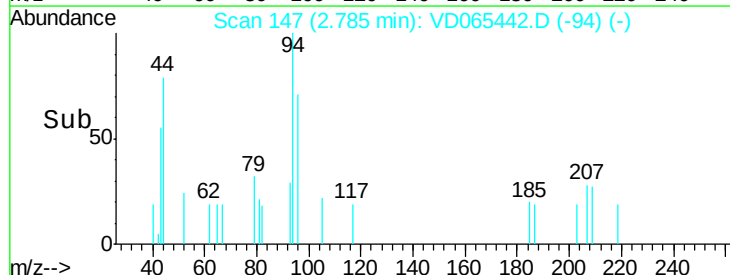
600

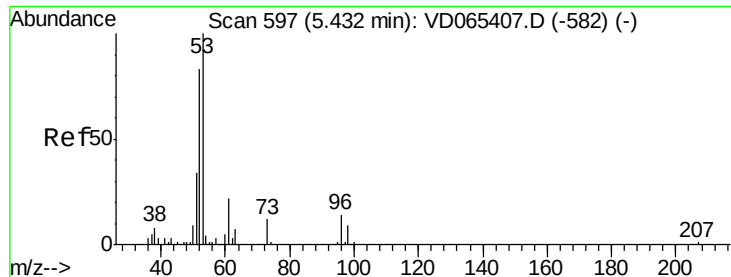
400

200

0

Time-->





#15

Acrylonitrile

Concen: 1.431 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065442.D

Acq: 09 Mar 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

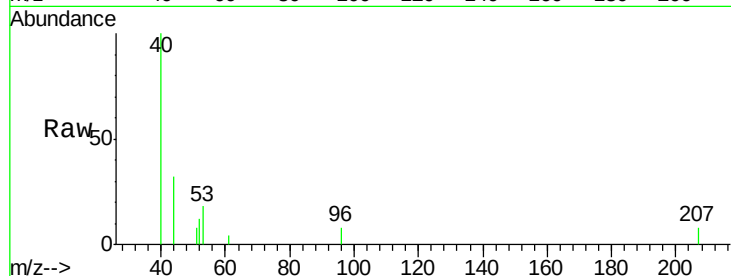
Tot Ion: 53 Resp: 1565

Ion Ratio Lower Upper

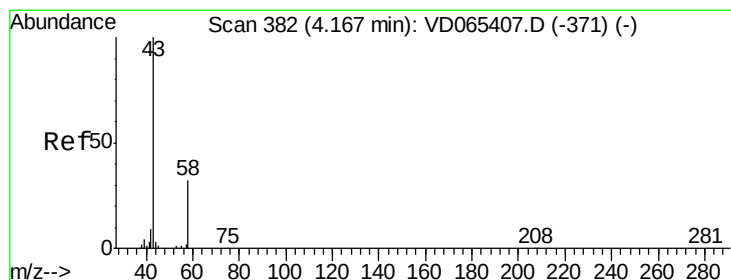
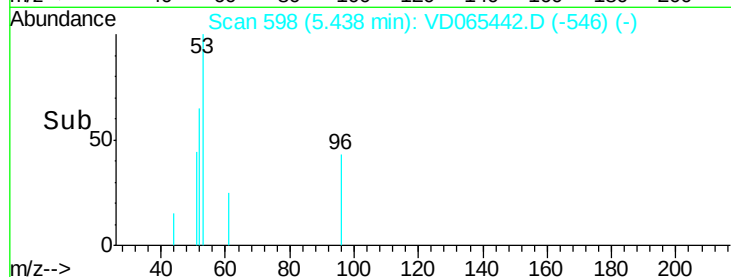
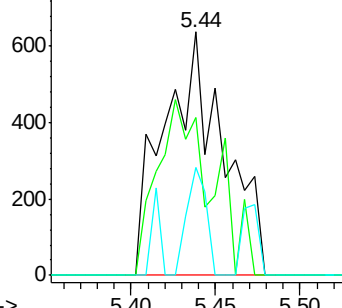
53 100

52 66.8 65.1 97.7

51 14.8 28.5 42.7#



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 5.753 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065442.D

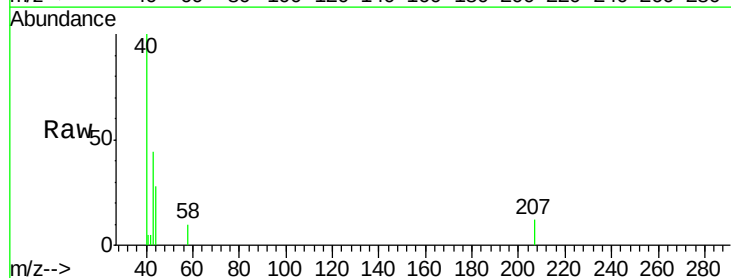
Acq: 09 Mar 2020 11:23

Tgt Ion: 43 Resp: 5594

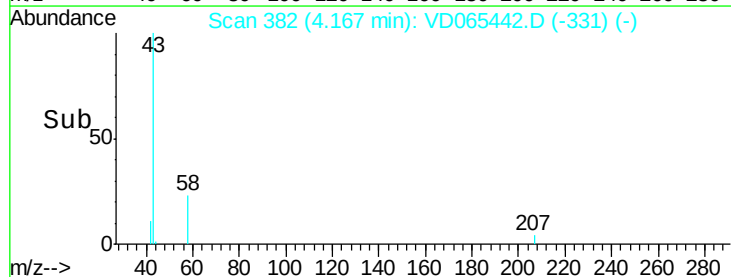
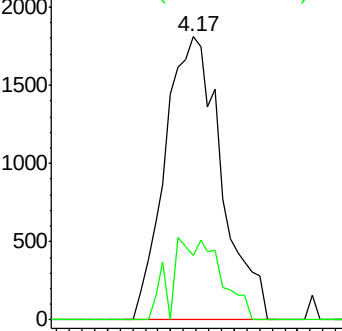
Ion Ratio Lower Upper

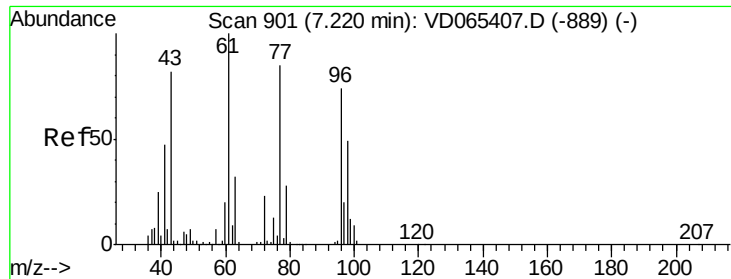
43 100

58 22.6 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#25

2-Butanone

Concen: 2.573 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065442.D

Acq: 09 Mar 2020 11:23

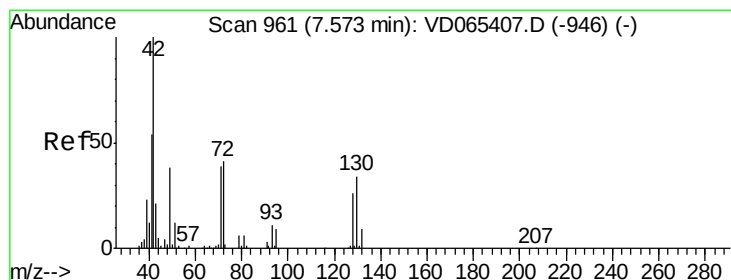
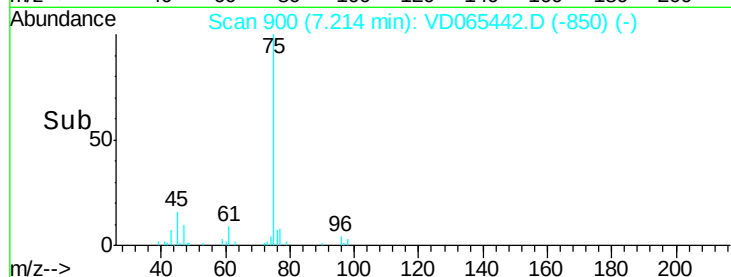
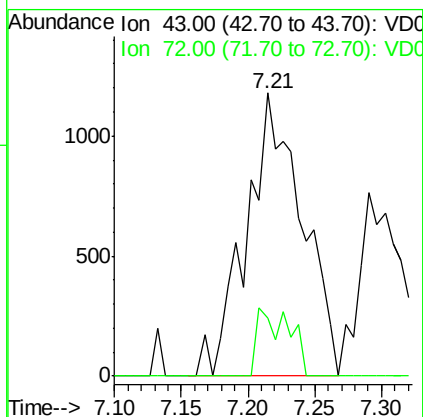
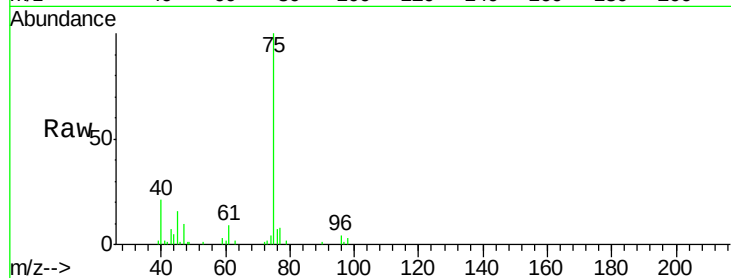
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 3414

Ion Ratio Lower Upper

43 100

72 20.4 22.3 33.5#



#29

Tetrahydrofuran

Concen: 1.344 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065442.D

Acq: 09 Mar 2020 11:23

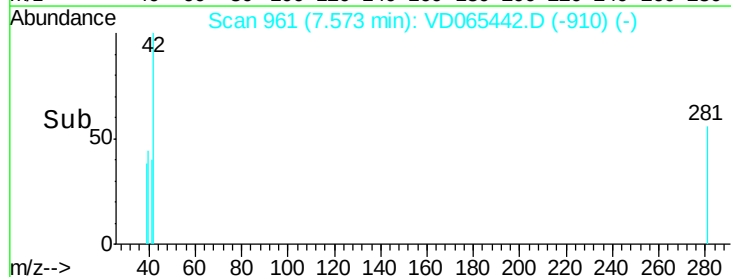
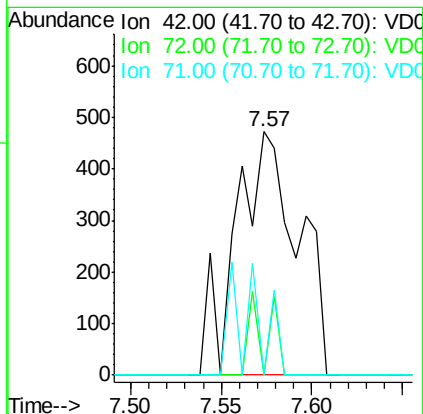
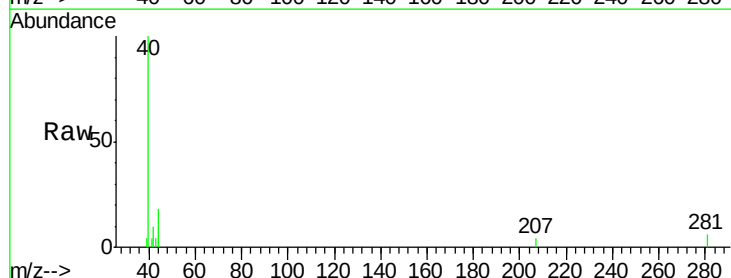
Tgt Ion: 42 Resp: 1139

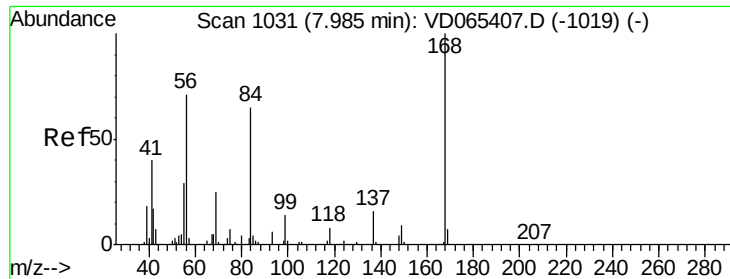
Ion Ratio Lower Upper

42 100

72 9.7 33.0 49.6#

71 6.8 32.0 48.0#

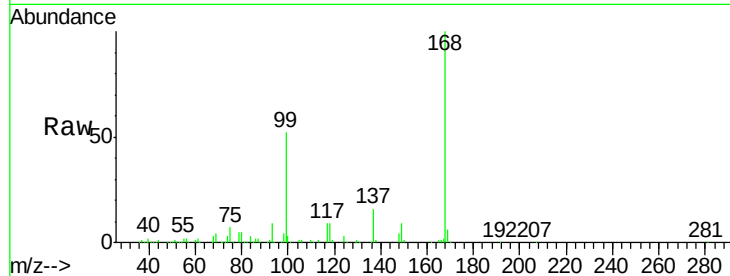




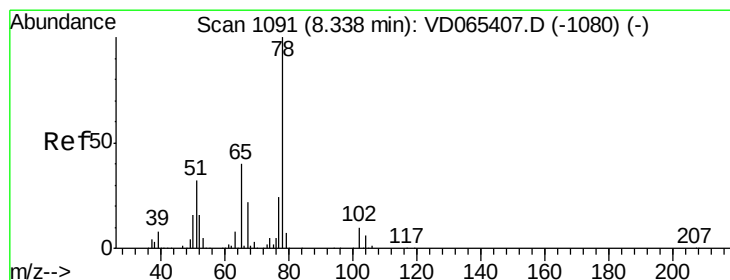
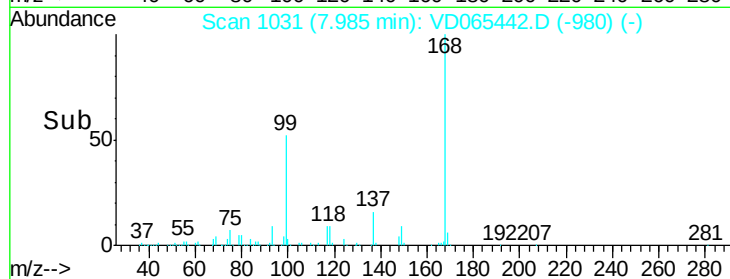
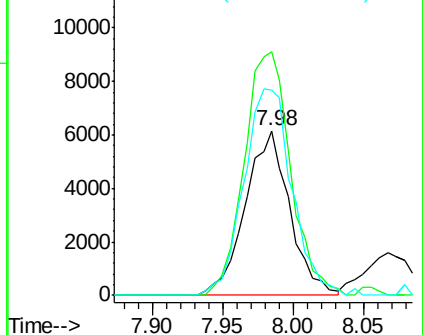
#31
Cyclohexane
Concen: 1.424 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065442.D
Acq: 09 Mar 2020 11:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 13593
Ion Ratio Lower Upper
56 100
69 148.2 28.3 42.5#
84 124.7 73.1 109.7#

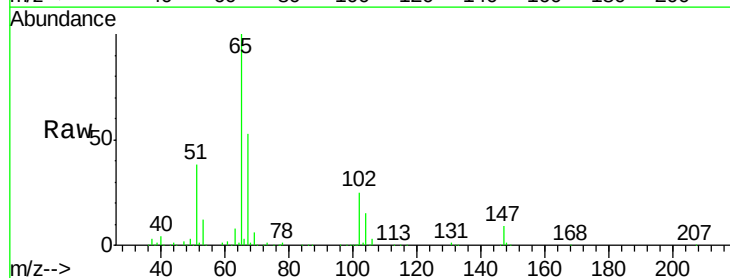


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

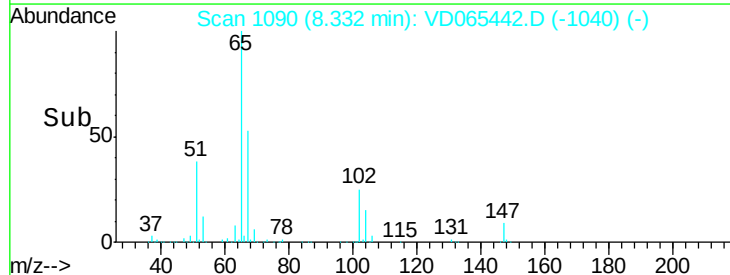
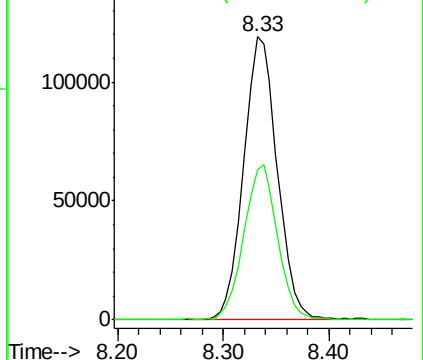


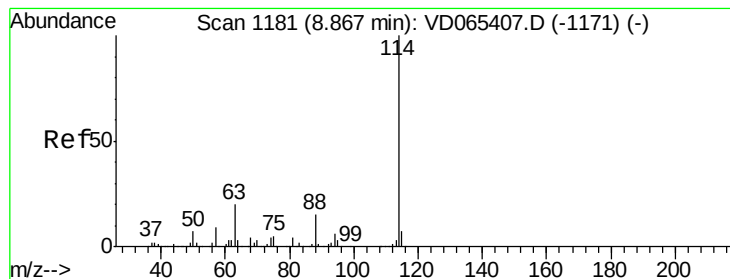
#33
1,2-Dichloroethane-d4
Concen: 54.961 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065442.D
Acq: 09 Mar 2020 11:23

Tgt Ion: 65 Resp: 264233
Ion Ratio Lower Upper
65 100
67 55.0 0.0 108.0



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: VD065442.D

Acq: 09 Mar 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

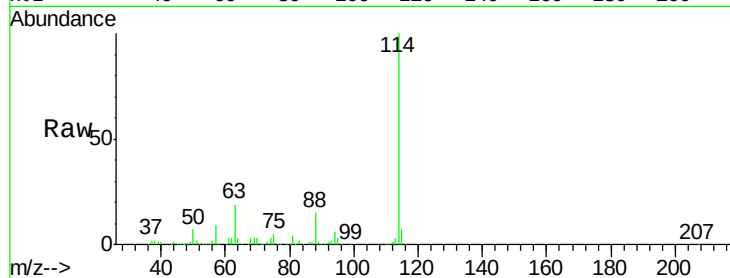
Tot Ion:114 Resp: 938894

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 15.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

600000

500000

400000

300000

200000

100000

0

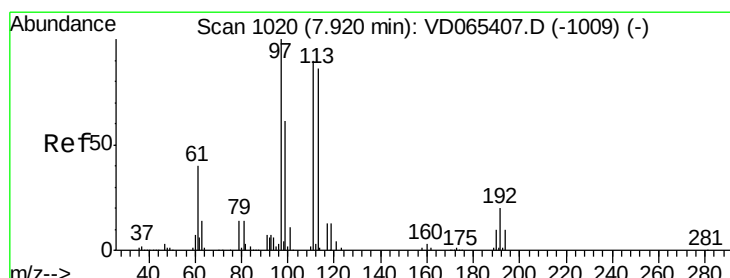
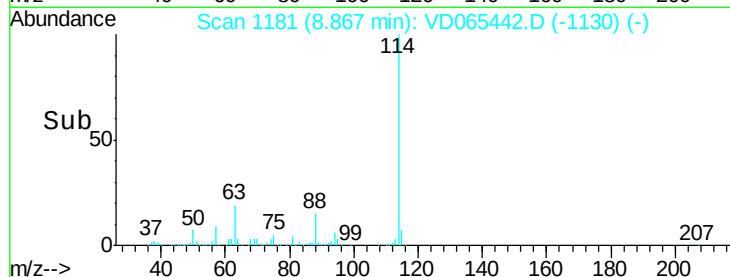
8.87

8.80

8.90

9.00

Time-->



#35

Dibromofluoromethane

Concen: 50.975 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065442.D

Acq: 09 Mar 2020 11:23

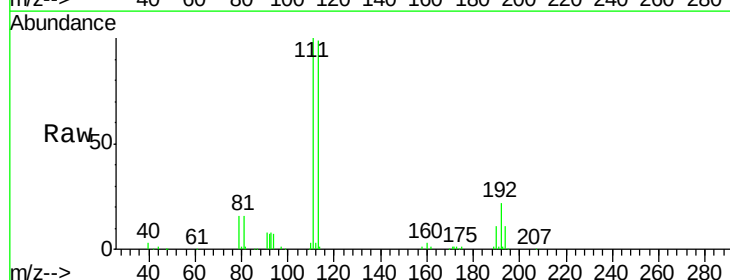
Tgt Ion:113 Resp: 295970

Ion Ratio Lower Upper

113 100

111 102.5 82.1 123.1

192 22.9 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

150000

100000

50000

0

7.92

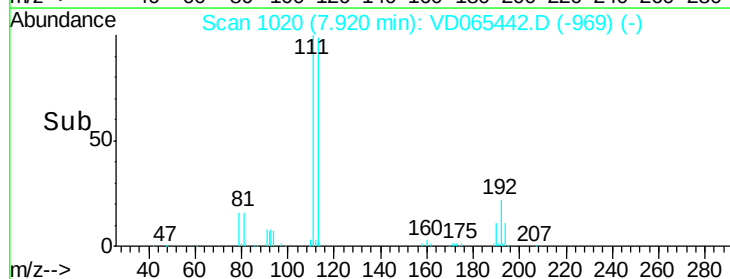
7.80

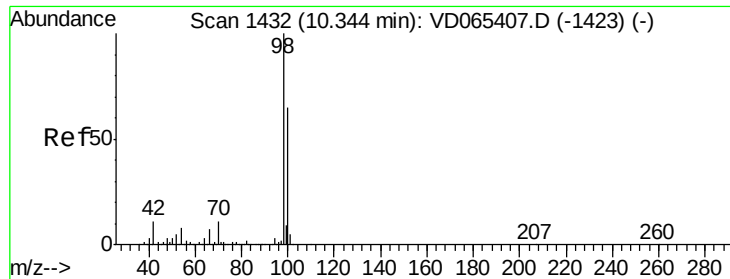
7.90

8.00

8.10

Time-->

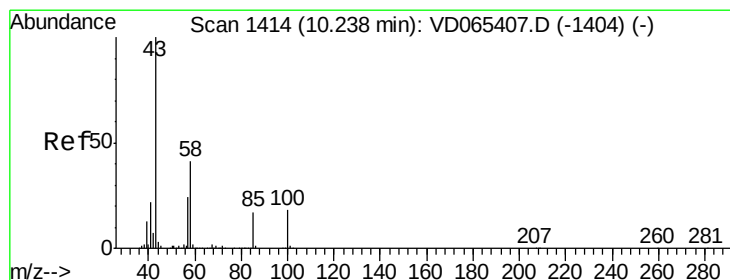
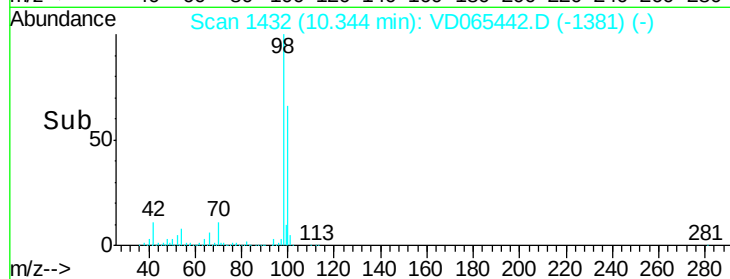
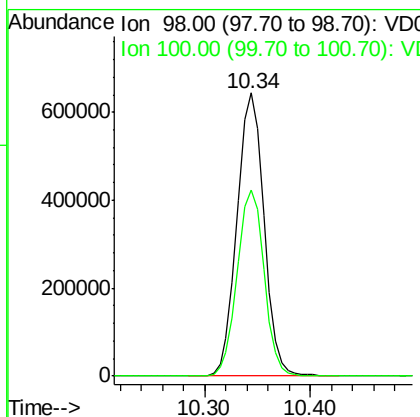
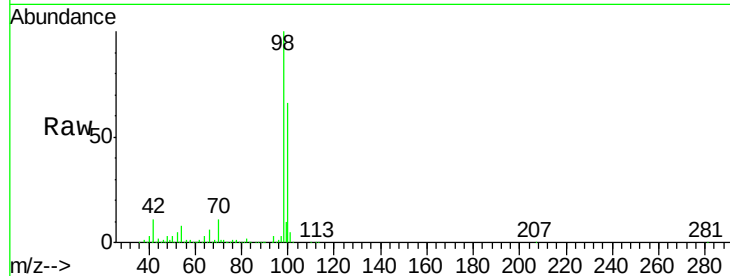




#50
Toluene-d8
Concen: 51.250 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065442.D
Acq: 09 Mar 2020 11:23

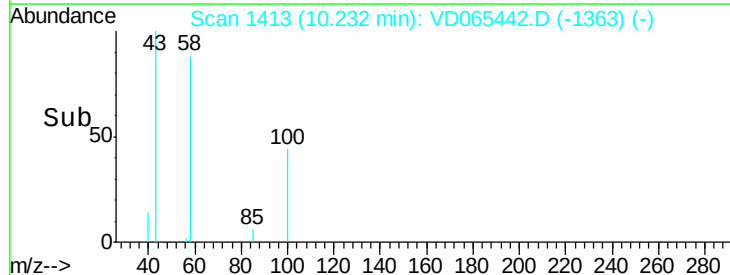
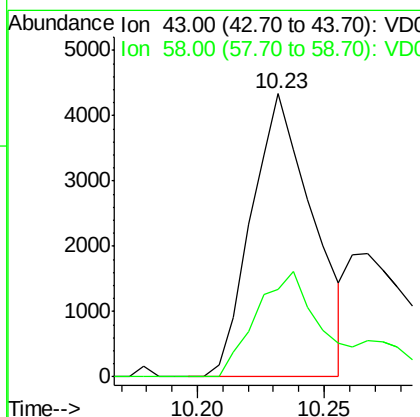
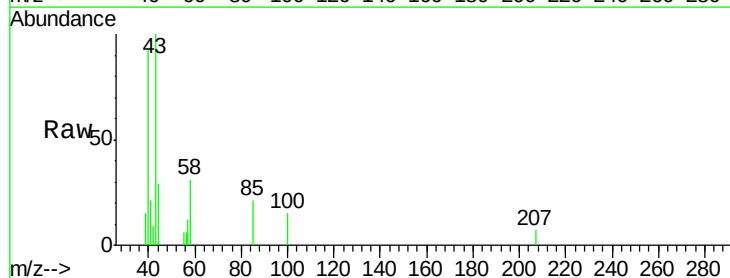
Instrument :
MSVOA_D
ClientSampleId :

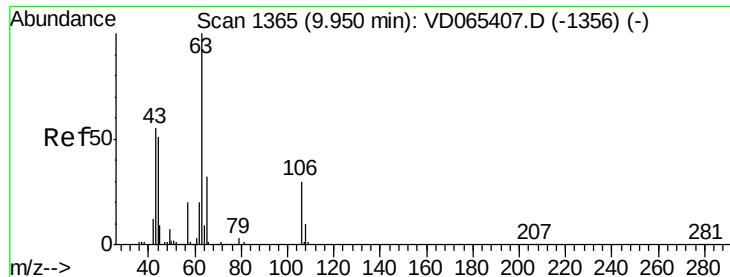
Tot Ion: 98 Resp: 1141585
Ion Ratio Lower Upper
98 100
100 65.7 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 2.271 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065442.D
Acq: 09 Mar 2020 11:23

Tgt Ion: 43 Resp: 7339
Ion Ratio Lower Upper
43 100
58 38.6 31.8 47.6

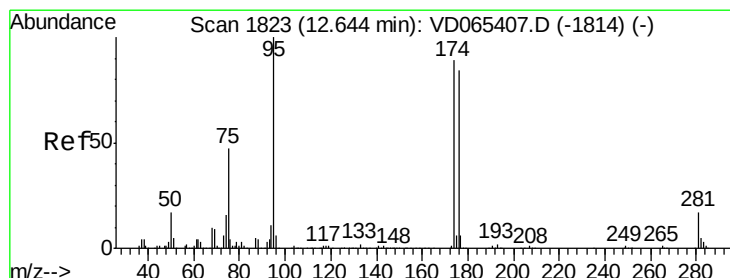
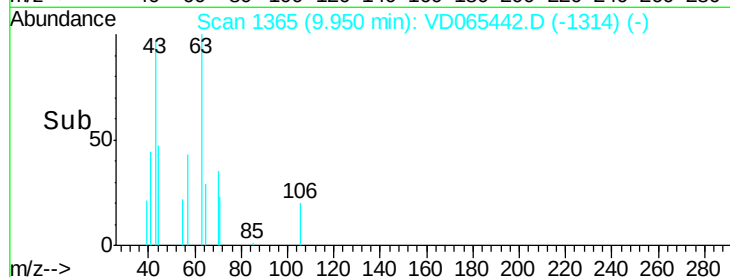
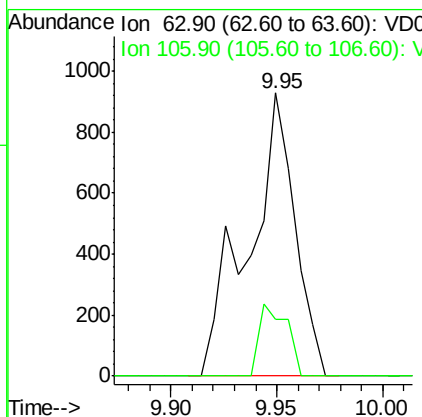
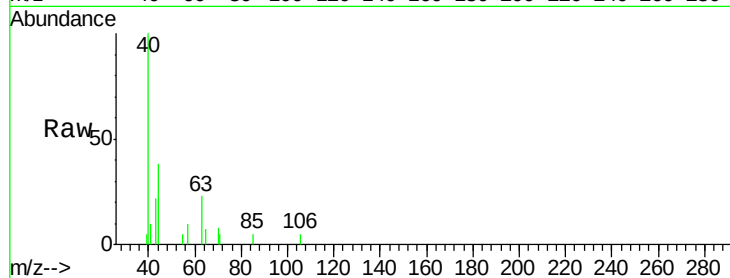




#58
 2-Chloroethyl Vinyl ether
 Concen: 3.078 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065442.D
 Acq: 09 Mar 2020 11:23

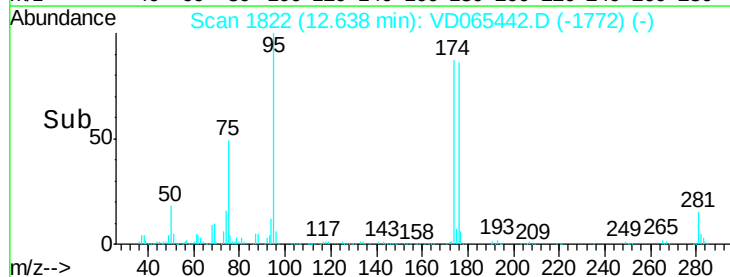
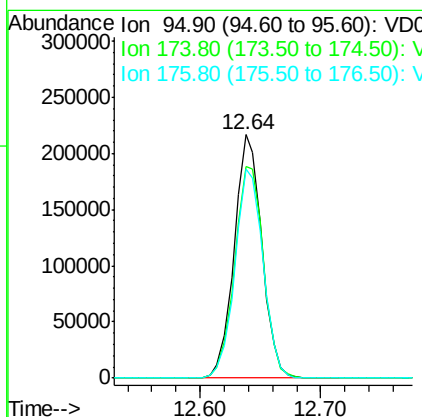
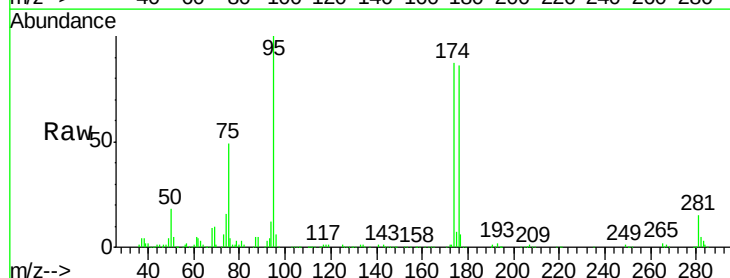
Instrument :
 MSVOA_D
 ClientSampled :

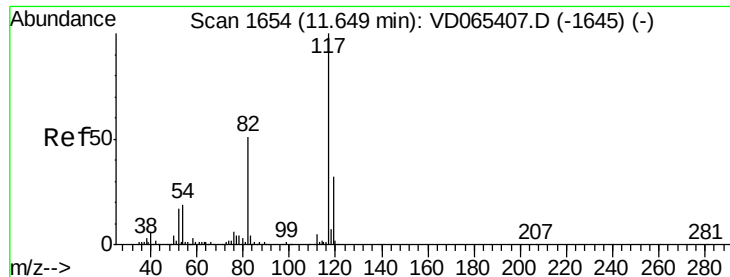
Tot Ion: 63 Resp: 1428
 Ion Ratio Lower Upper
 63 100
 106 15.1 23.3 34.9#



#62
 4-Bromofluorobenzene
 Concen: 50.149 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065442.D
 Acq: 09 Mar 2020 11:23

Tgt Ion: 95 Resp: 344844
 Ion Ratio Lower Upper
 95 100
 174 91.3 0.0 176.8
 176 87.7 0.0 171.4

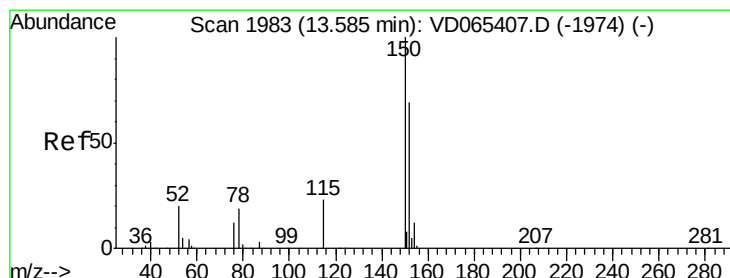
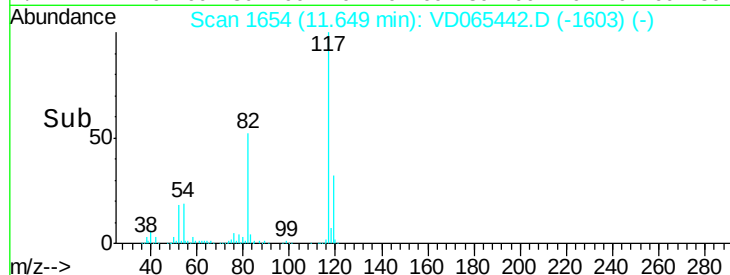
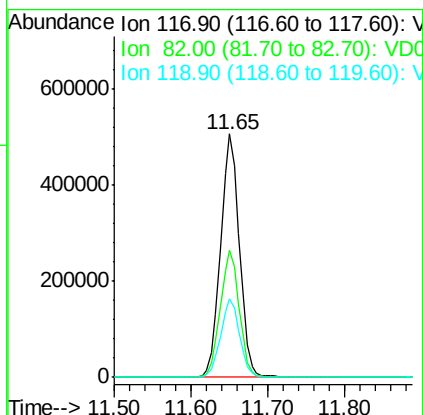
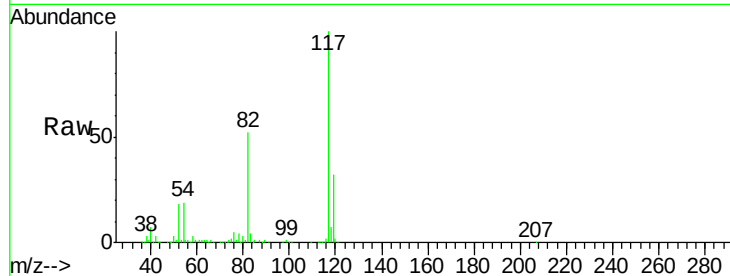




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065442.D
Acq: 09 Mar 2020 11:23

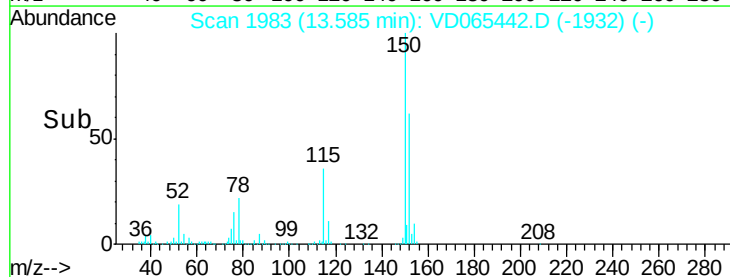
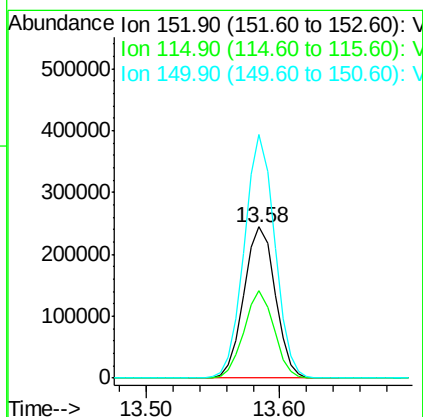
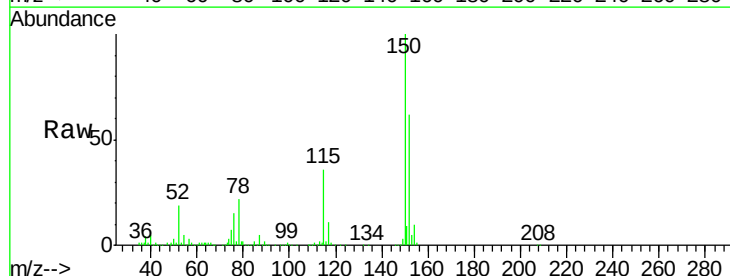
Instrument :
MSVOA_D
ClientSampleId :

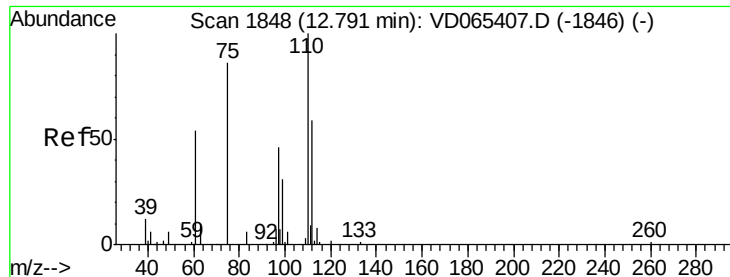
Tot Ion:117 Resp: 854460
Ion Ratio Lower Upper
117 100
82 52.4 40.6 60.8
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065442.D
Acq: 09 Mar 2020 11:23

Tgt Ion:152 Resp: 396942
Ion Ratio Lower Upper
152 100
115 55.2 27.6 82.8
150 156.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 53.967 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065442.D

Acq: 09 Mar 2020 11:23

Instrument :

MSVOA_D

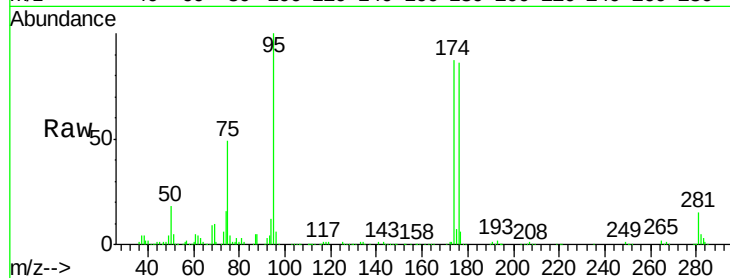
ClientSampleId :

Tot Ion: 75 Resp: 169035

Ion Ratio Lower Upper

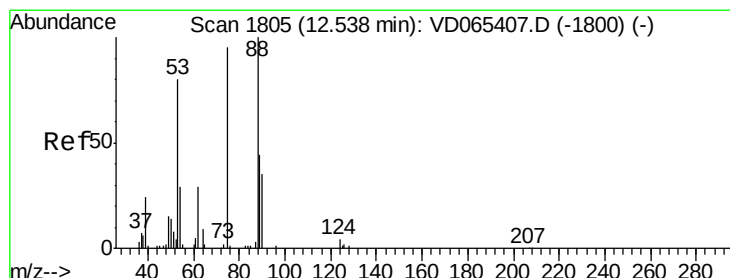
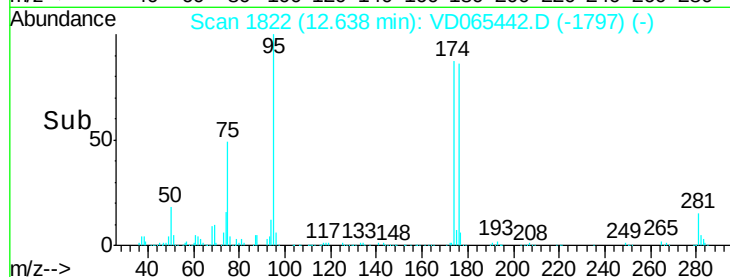
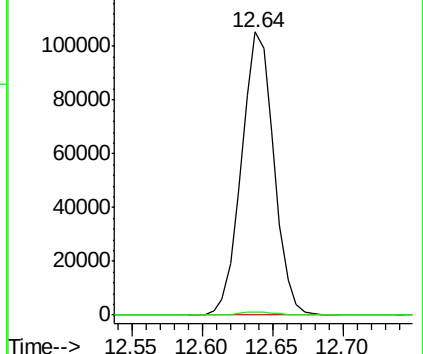
75 100

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: 113.886 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065442.D

Acq: 09 Mar 2020 11:23

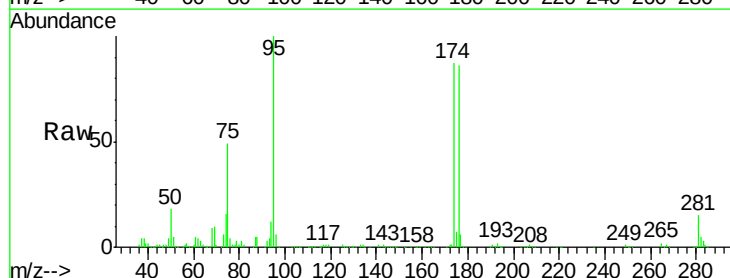
Tgt Ion: 75 Resp: 169035

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

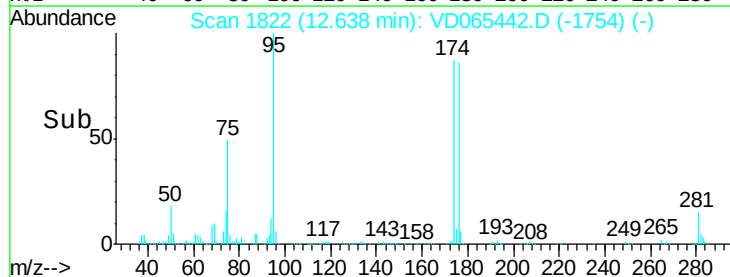
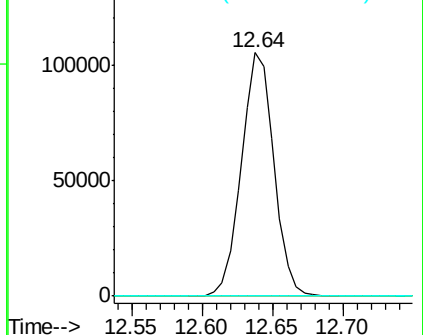
89 0.0 37.0 55.6#

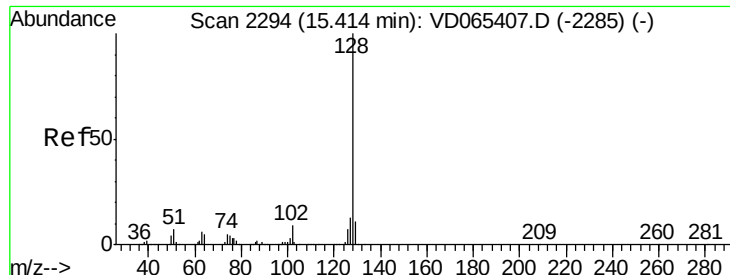


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 4.757 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

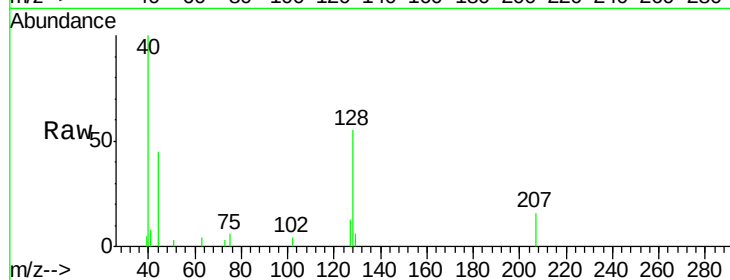
Lab File: VD065442.D

Acq: 09 Mar 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :



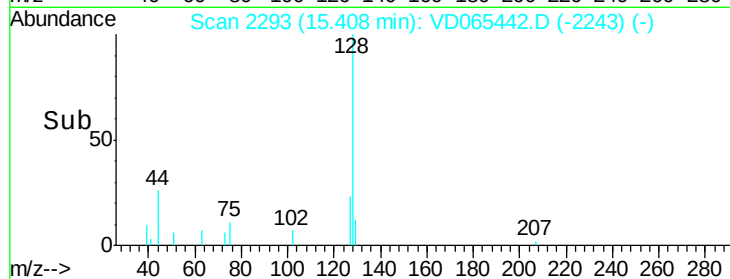
Tot Ion:128 Resp: 4920

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 5.2 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

