

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
 Data File : VD065491.D
 Acq On : 12 Mar 2020 18:46
 Operator : VA/SY
 Sample : L1912-19
 Misc : 6.83G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 Z1-3A

Quant Time: Mar 13 04:26:43 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	547333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	929203	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	874818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	405688	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	275574	58.69	ug/l	0.00
Spiked Amount			Recovery	=	117.38%	
35) Dibromofluoromethane	7.92	113	297043	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
50) Toluene-d8	10.34	98	1126496	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.64	95	355501	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	

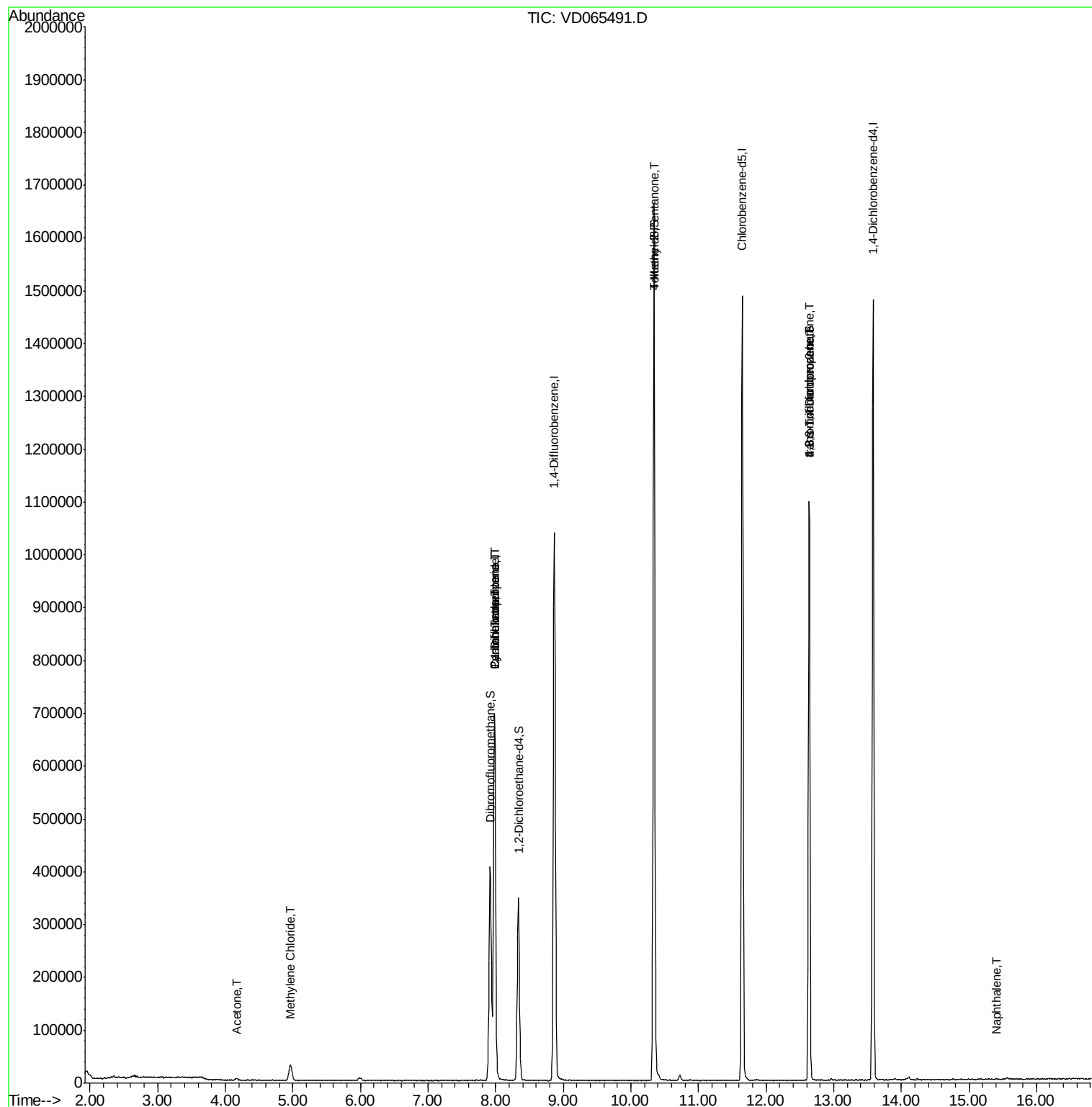
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	546	Below Cal	#	45
16) Acetone	4.17	43	5213	5.49	ug/l	97
20) Methylene Chloride	4.97	84	23563	1.20	ug/l	96
31) Cyclohexane	7.98	56	9837	1.06	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	39273	4.41	ug/l #	49
38) Carbon Tetrachloride	7.98	117	51190	5.54	ug/l #	19
51) 4-Methyl-2-Pentanone	10.34	43	4475	1.40	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	173430	54.18	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	173430	114.33	ug/l #	14
95) Naphthalene	15.40	128	530	4.44	ug/l #	69

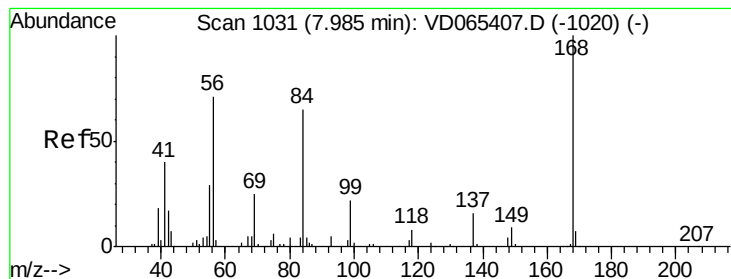
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
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ClientSampleId :
Z1-3A

Quant Time: Mar 13 04:26:43 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: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065491.D

Acq: 12 Mar 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

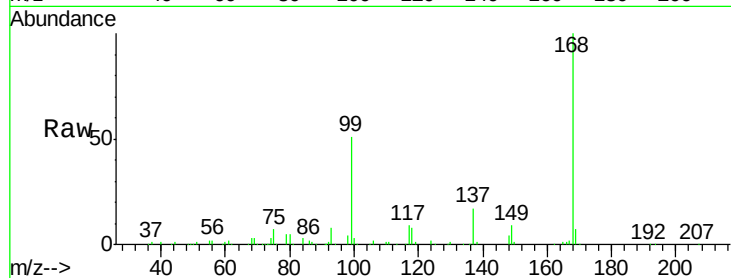
Z1-3A

Tgt Ion:168 Resp: 547333

Ion Ratio Lower Upper

168 100

99 51.4 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

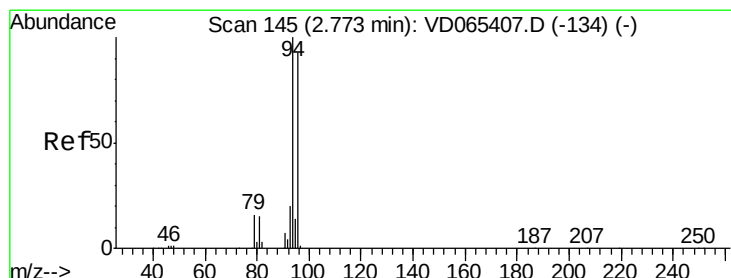
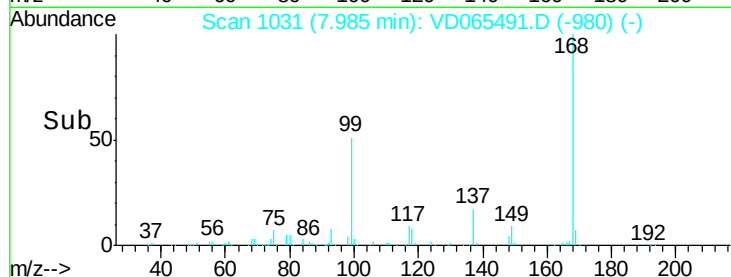
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD065491.D

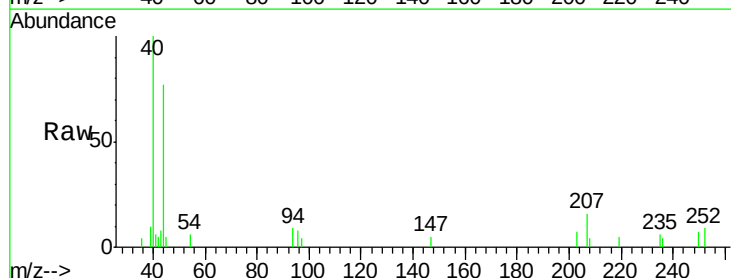
Acq: 12 Mar 2020 18:46

Tgt Ion: 94 Resp: 546

Ion Ratio Lower Upper

94 100

96 40.1 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

400

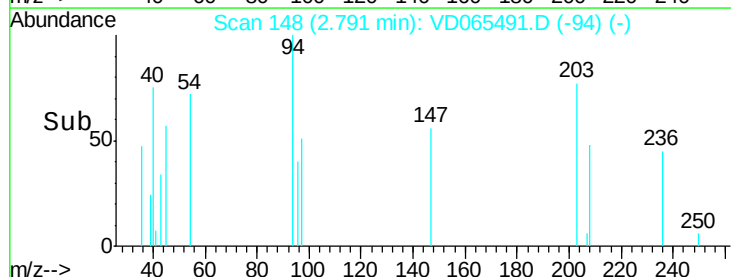
300

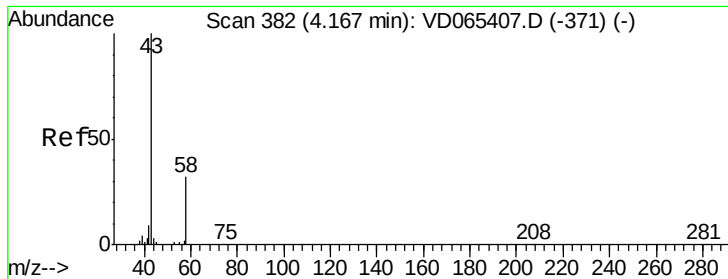
200

100

0

Time-->





#16

Acetone

Concen: 5.49 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065491.D

Acq: 12 Mar 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

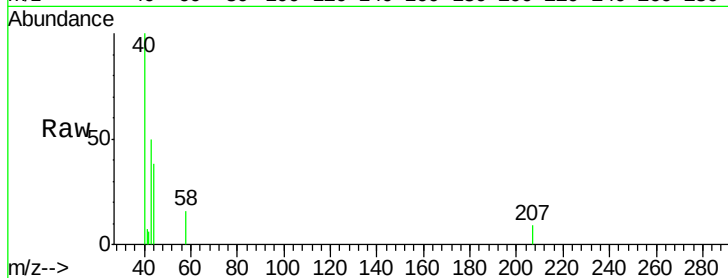
Z1-3A

Tgt Ion: 43 Resp: 5213

Ion Ratio Lower Upper

43 100

58 32.9 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

2000

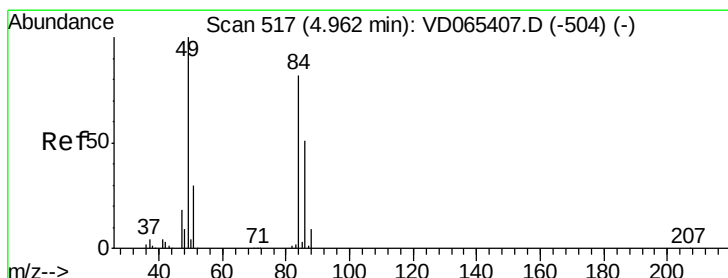
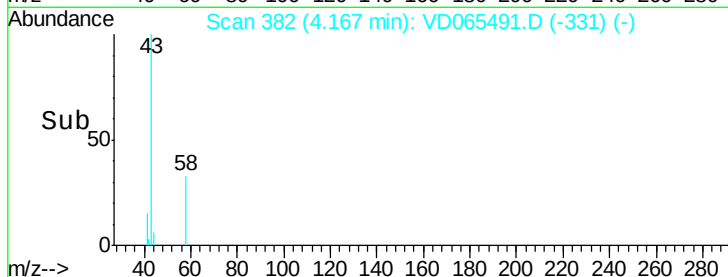
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 1.20 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD065491.D

Acq: 12 Mar 2020 18:46

Tgt Ion: 84 Resp: 23563

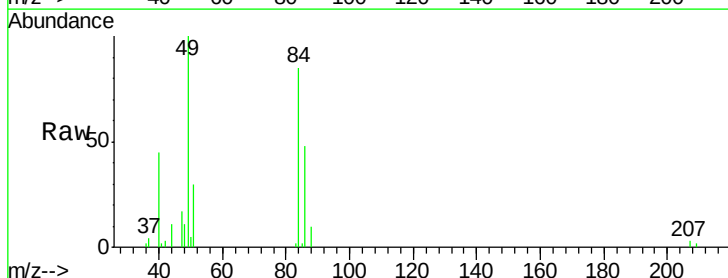
Ion Ratio Lower Upper

84 100

49 118.3 97.7 146.5

51 35.0 28.8 43.2

86 56.3 49.5 74.3



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

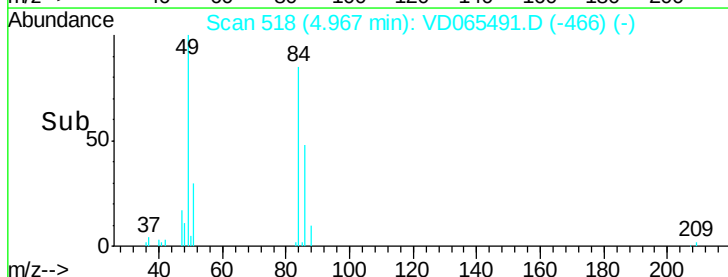
Ion 85.90 (85.60 to 86.60): VDC

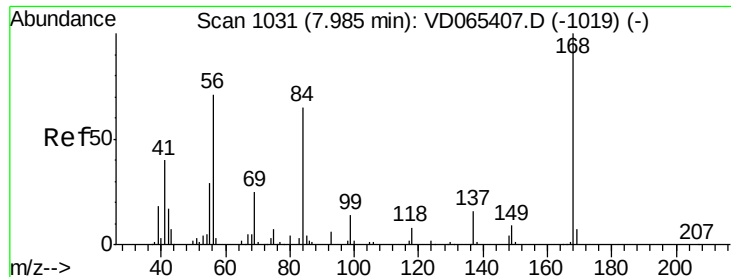
10000

5000

0

Time-->

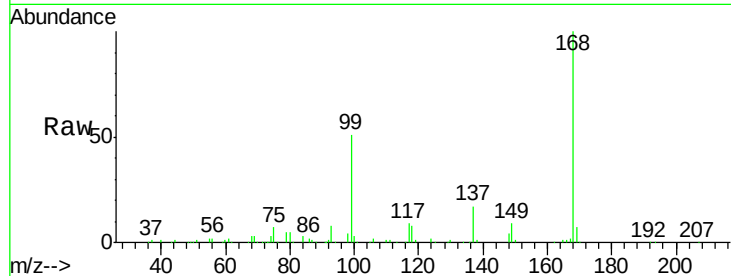




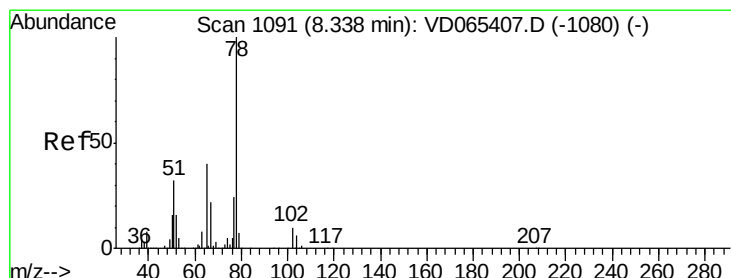
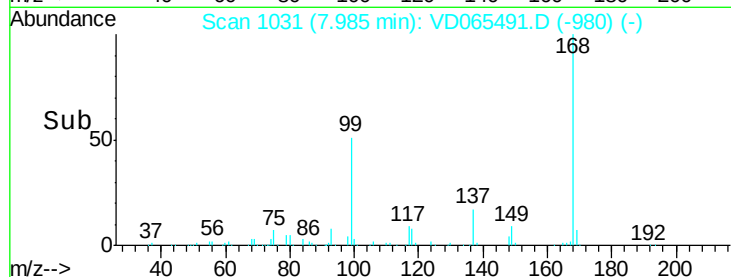
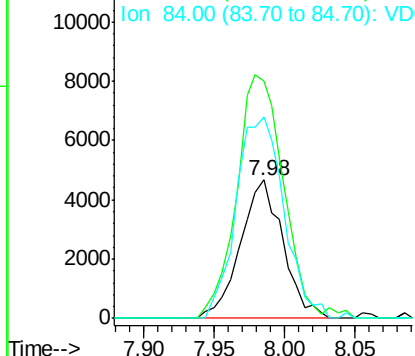
#31
Cyclohexane
Concen: 1.06 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065491.D
Acq: 12 Mar 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
Z1-3A

Tgt Ion: 56 Resp: 9837
Ion Ratio Lower Upper
56 100
69 171.2 28.3 42.5#
84 145.1 73.1 109.7#

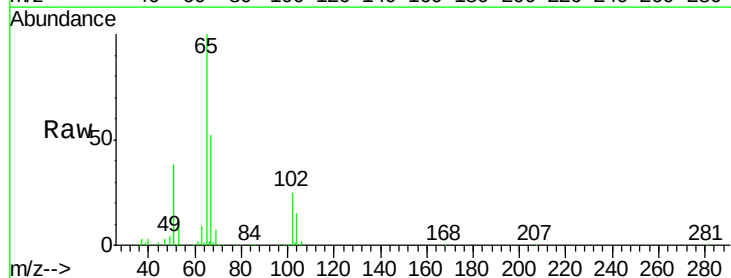


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

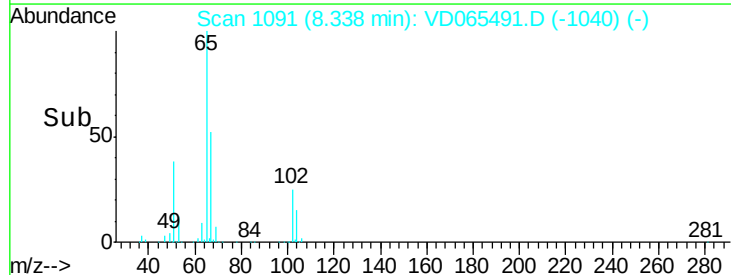
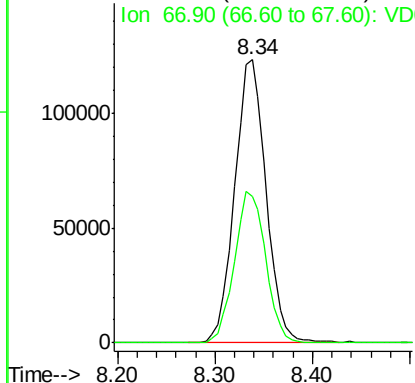


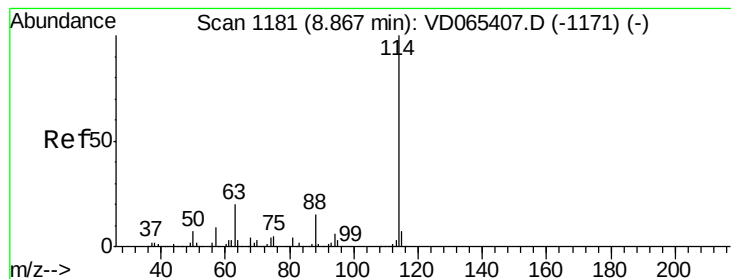
#33
1,2-Dichloroethane-d4
Concen: 58.69 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD065491.D
Acq: 12 Mar 2020 18:46

Tgt Ion: 65 Resp: 275574
Ion Ratio Lower Upper
65 100
67 53.6 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: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065491.D

Acq: 12 Mar 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

Z1-3A

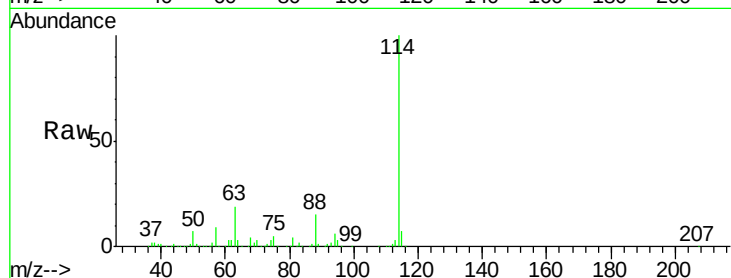
Tgt Ion:114 Resp: 929203

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

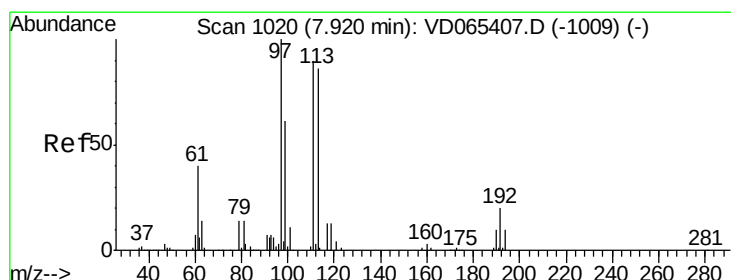
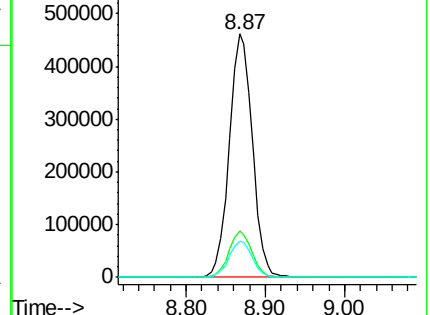
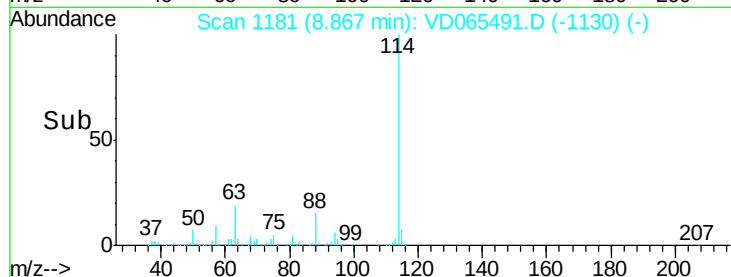
88 14.9 0.0 30.4



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



#35

Dibromofluoromethane

Concen: 51.69 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065491.D

Acq: 12 Mar 2020 18:46

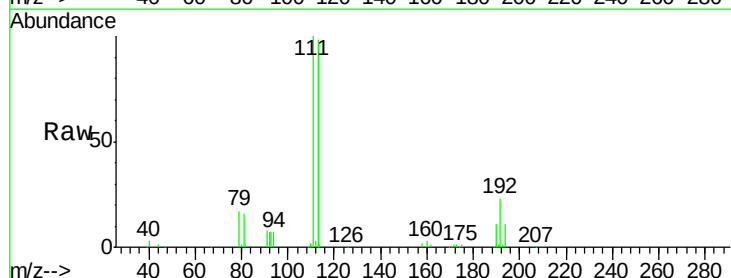
Tgt Ion:113 Resp: 297043

Ion Ratio Lower Upper

113 100

111 102.9 82.1 123.1

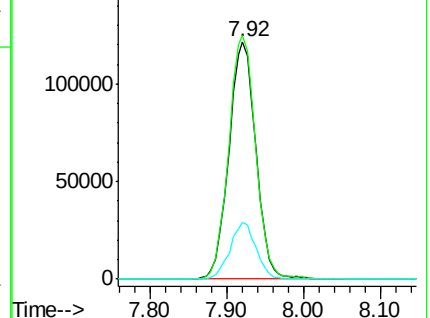
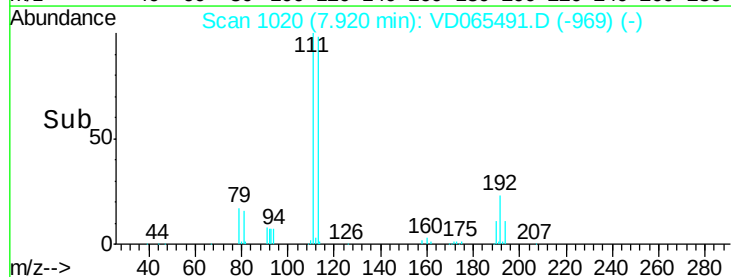
192 23.0 17.2 25.8

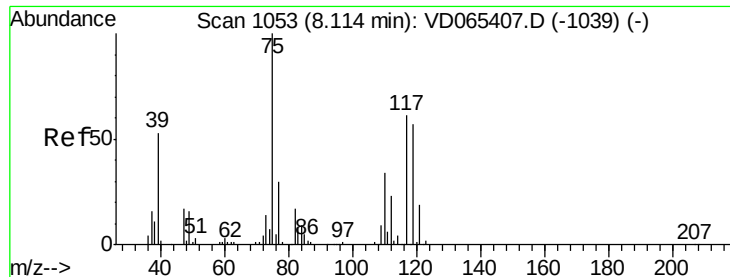


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

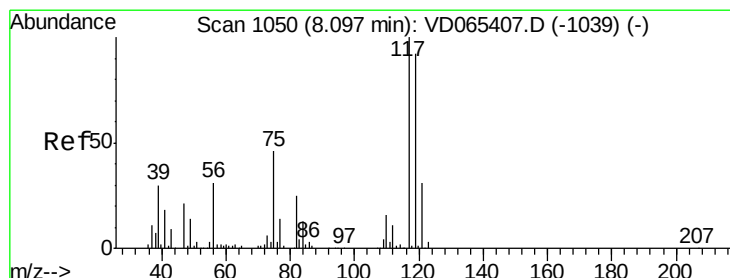
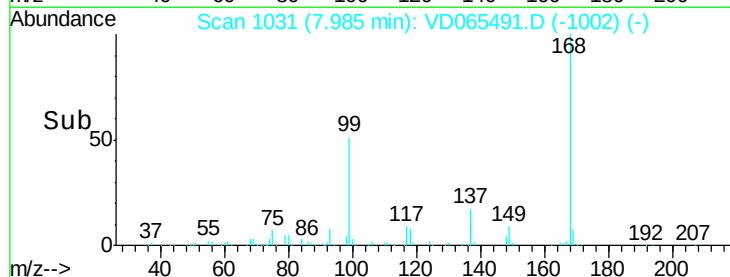
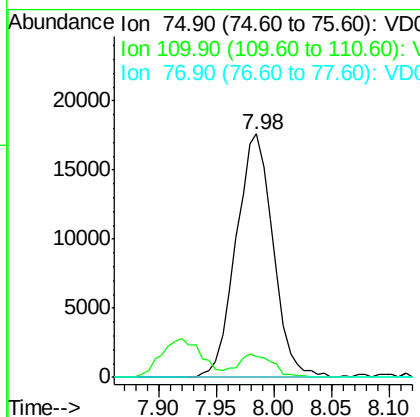
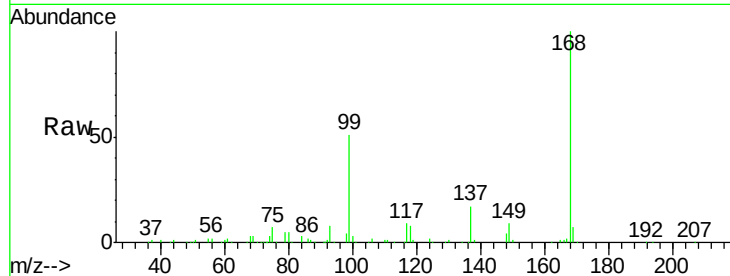




#36
 1,1-Dichloropropene
 Concen: 4.41 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065491.D
 Acq: 12 Mar 2020 18:46

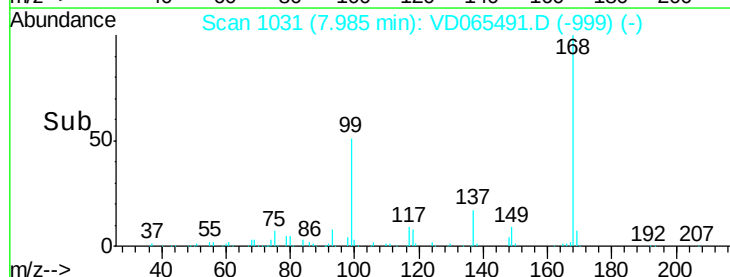
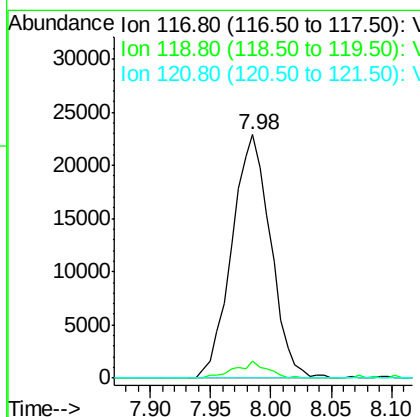
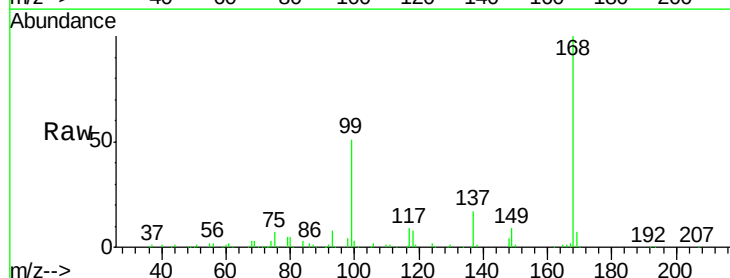
Instrument :
 MSVOA_D
 ClientSampled :
 Z1-3A

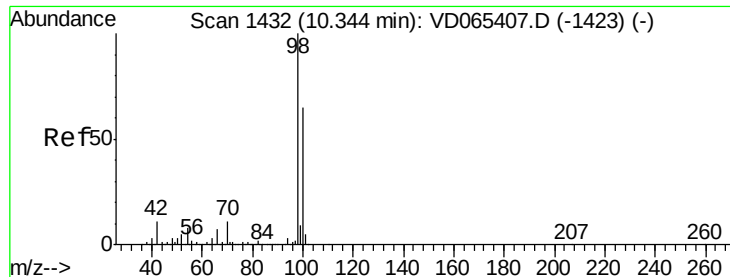
Tgt Ion: 75 Resp: 39273
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.1 54.1#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 5.54 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065491.D
 Acq: 12 Mar 2020 18:46

Tgt Ion: 117 Resp: 51190
 Ion Ratio Lower Upper
 117 100
 119 7.2 73.3 109.9#
 121 0.0 25.0 37.4#

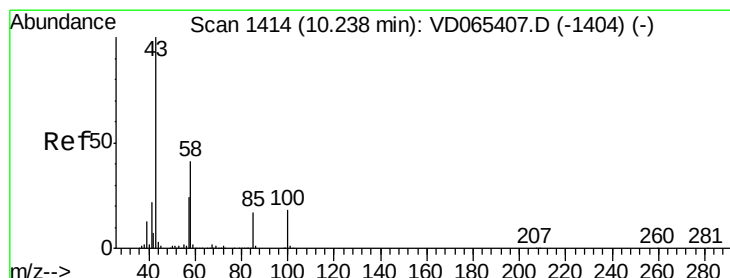
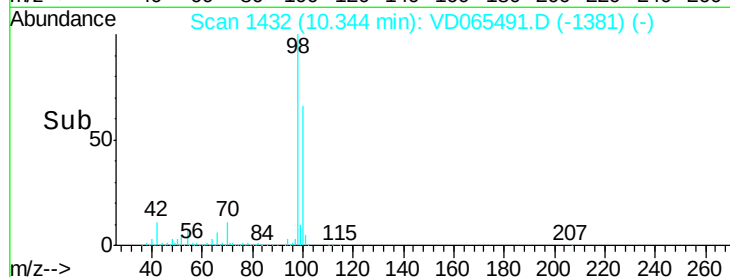
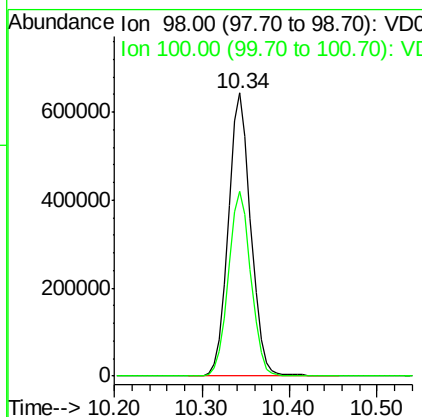
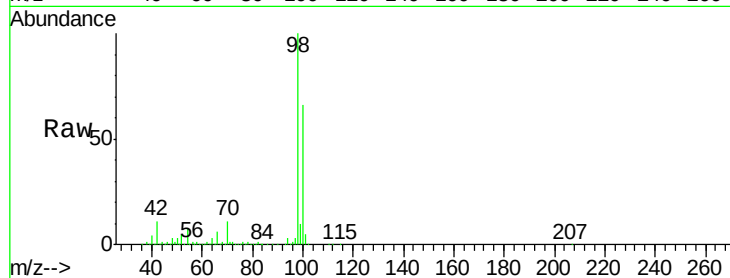




#50
Toluene-d8
Concen: 51.10 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065491.D
Acq: 12 Mar 2020 18:46

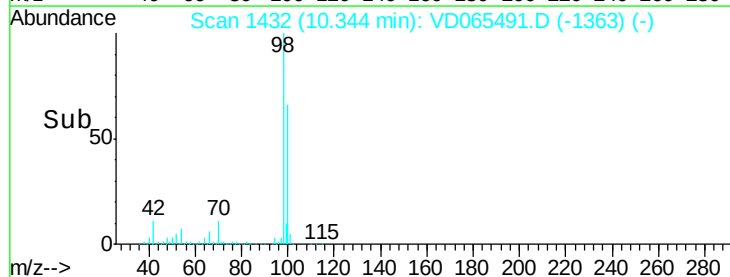
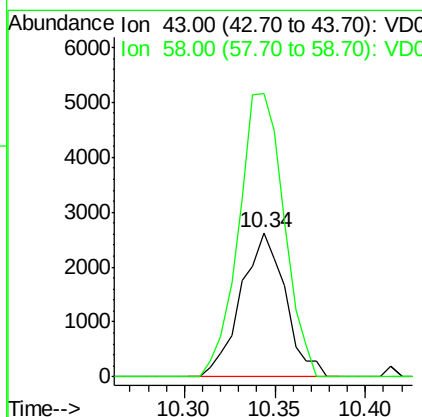
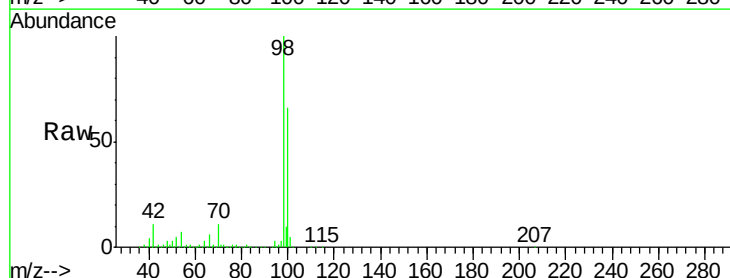
Instrument :
MSVOA_D
ClientSampleId :
Z1-3A

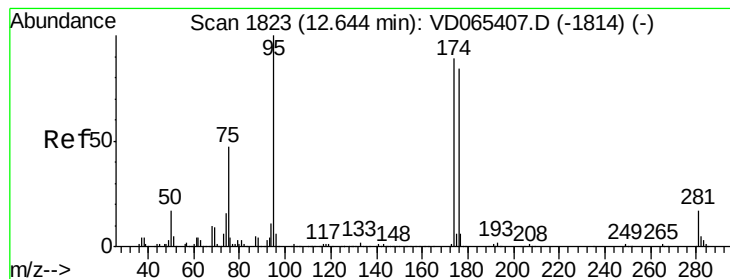
Tgt Ion: 98 Resp: 1126496
Ion Ratio Lower Upper
98 100
100 65.7 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.40 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD065491.D
Acq: 12 Mar 2020 18:46

Tgt Ion: 43 Resp: 4475
Ion Ratio Lower Upper
43 100
58 200.0 31.8 47.6#





#62

4-Bromofluorobenzene

Concen: 52.24 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065491.D

Acq: 12 Mar 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

Z1-3A

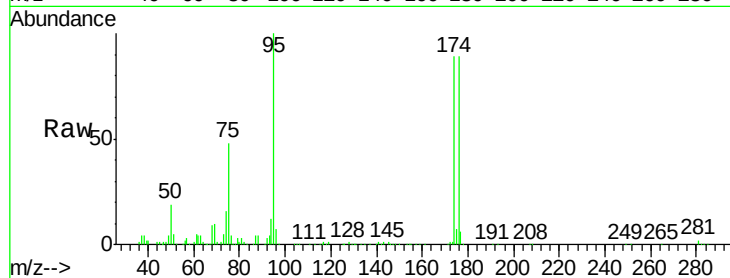
Tgt Ion: 95 Resp: 355501

Ion Ratio Lower Upper

95 100

174 90.8 0.0 176.8

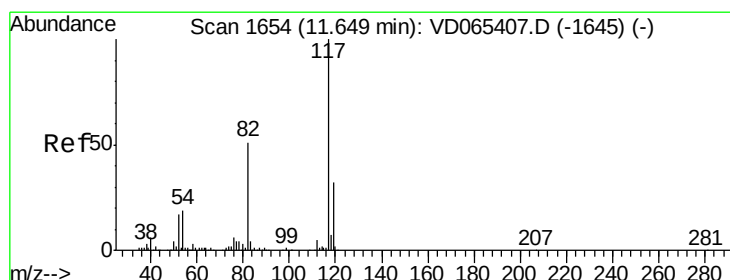
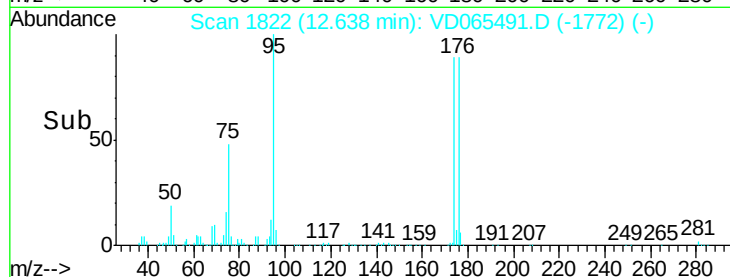
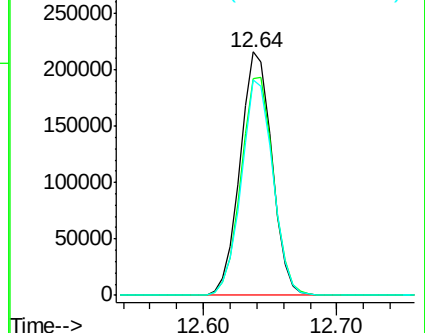
176 87.8 0.0 171.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065491.D

Acq: 12 Mar 2020 18:46

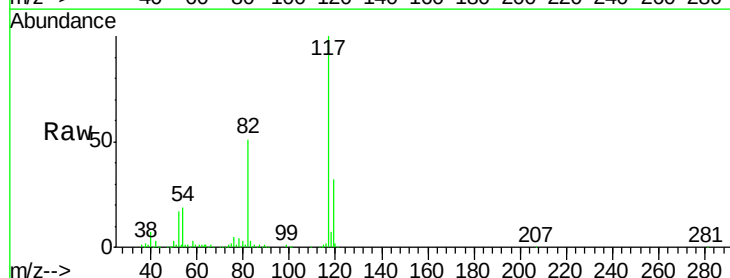
Tgt Ion: 117 Resp: 874818

Ion Ratio Lower Upper

117 100

82 51.4 40.6 60.8

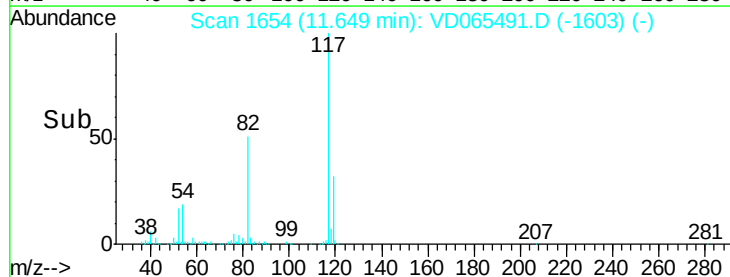
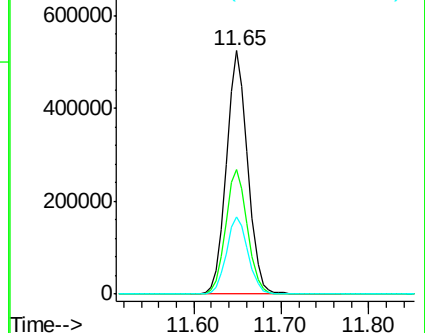
119 31.6 25.4 38.2

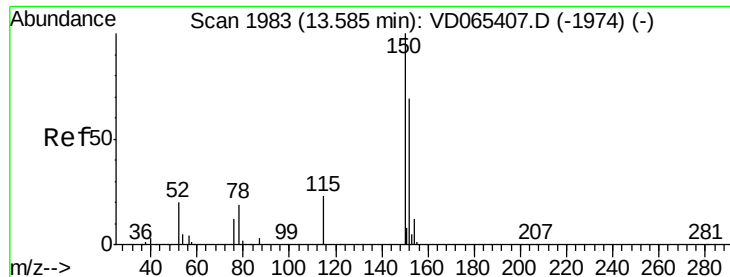


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065491.D

Acq: 12 Mar 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

Z1-3A

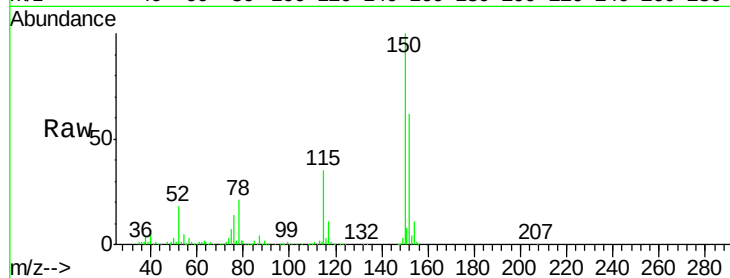
Tgt Ion:152 Resp: 405688

Ion Ratio Lower Upper

152 100

115 55.2 27.6 82.8

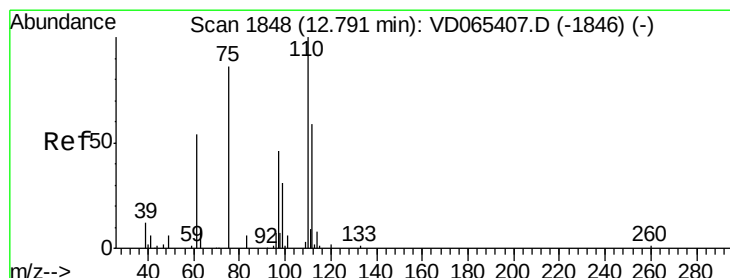
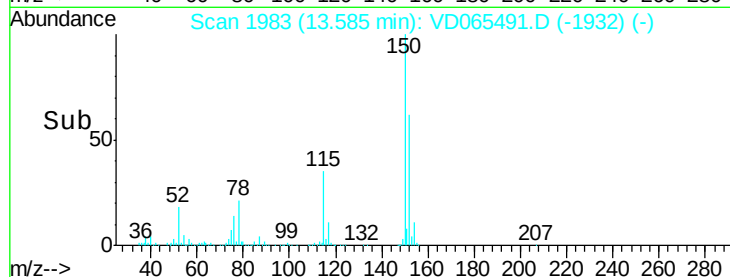
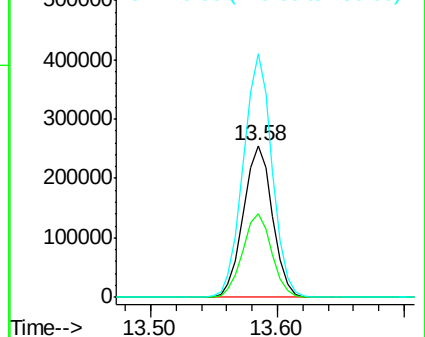
150 159.0 0.0 345.0



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: 54.18 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065491.D

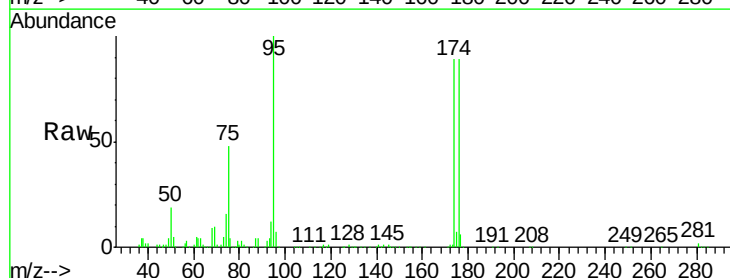
Acq: 12 Mar 2020 18:46

Tgt Ion: 75 Resp: 173430

Ion Ratio Lower Upper

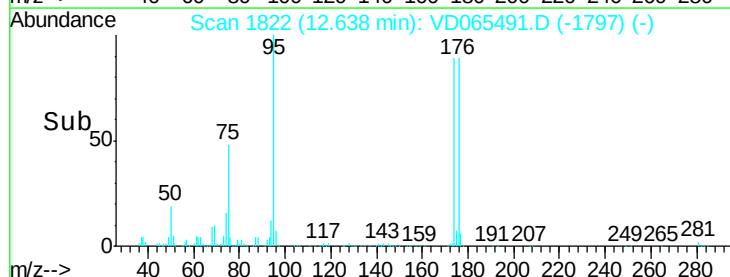
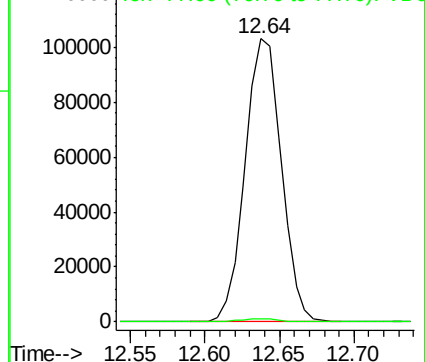
75 100

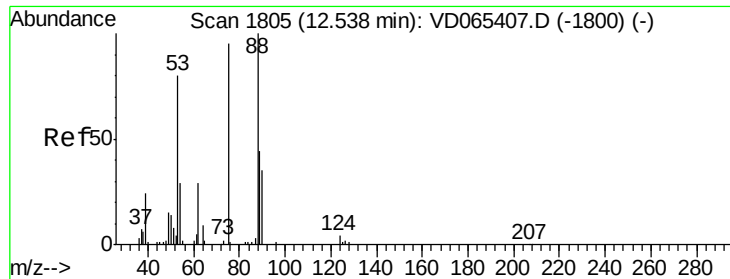
77 1.1 0.0 0.0#



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: 114.33 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065491.D

Acq: 12 Mar 2020 18:46

Instrument :

MSVOA_D

ClientSampled :

Z1-3A

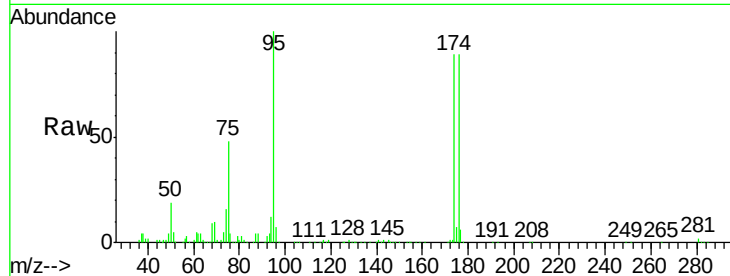
Tgt Ion: 75 Resp: 173430

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

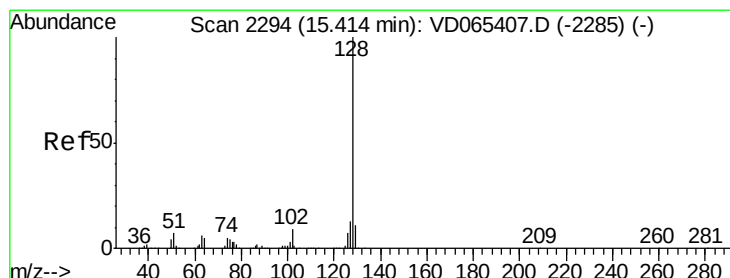
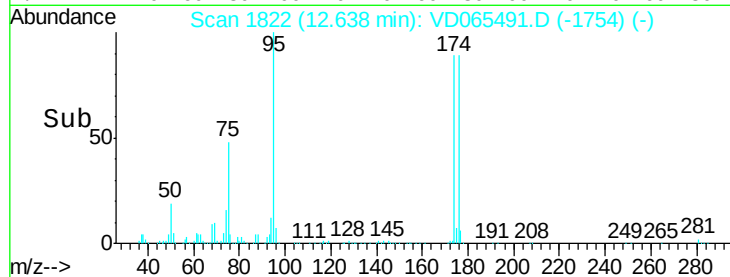
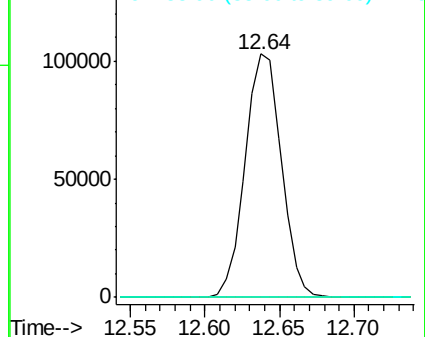
89 0.0 37.0 55.6#



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



#95

Naphthalene

Concen: 4.44 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD065491.D

Acq: 12 Mar 2020 18:46

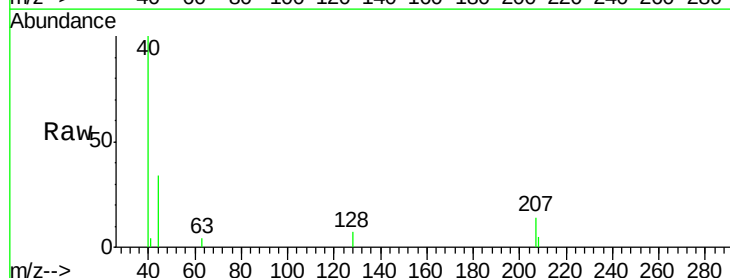
Tgt Ion: 128 Resp: 530

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

