

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
 Data File : VD065487.D
 Acq On : 12 Mar 2020 16:52
 Operator : VA/SY
 Sample : L1912-03
 Misc : 6.18G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 Z1-1A

Quant Time: Mar 13 04:25:58 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	591955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	995116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	920813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	426829	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	292279	57.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.12%	
35) Dibromofluoromethane	7.92	113	317618	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
50) Toluene-d8	10.34	98	1183320	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.64	95	371882	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	

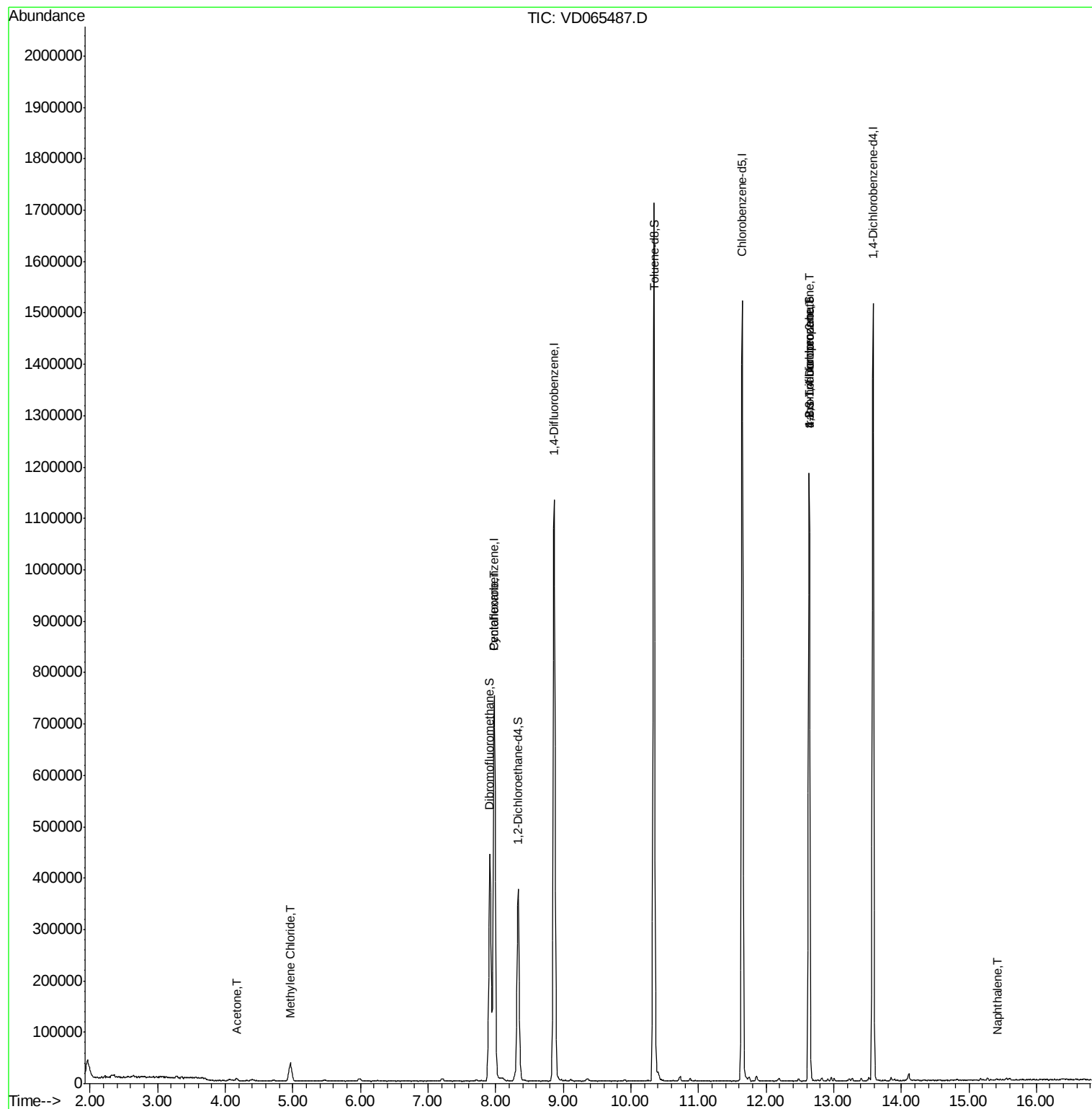
Target Compounds						Qvalue
5) Bromomethane	2.79	94	1180	Below Cal	#	25
16) Acetone	4.17	43	6478	6.31	ug/l	96
20) Methylene Chloride	4.96	84	27023	1.49	ug/l	96
31) Cyclohexane	7.98	56	12954	1.28	ug/l	# 10
76) 1,2,3-Trichloropropane	12.64	75	180228	53.51	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	180228	112.92	ug/l	# 14
95) Naphthalene	15.41	128	2577	4.58	ug/l	# 83

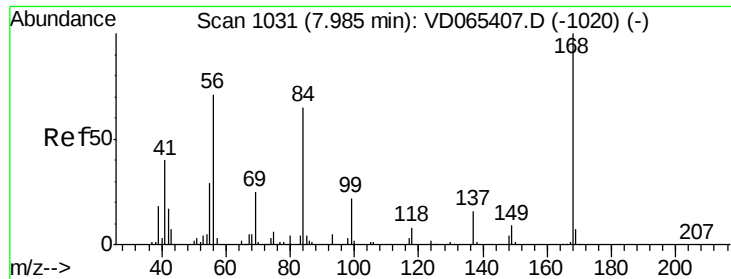
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065487.D

Acq: 12 Mar 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

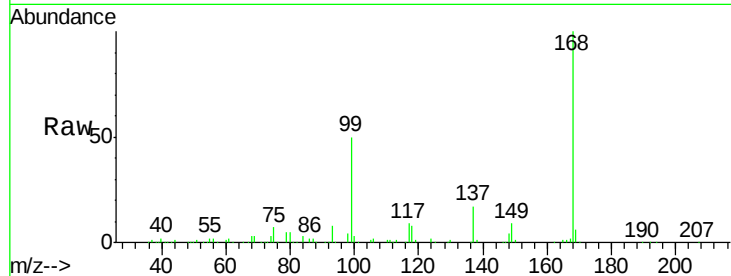
Z1-1A

Tgt Ion:168 Resp: 591955

Ion Ratio Lower Upper

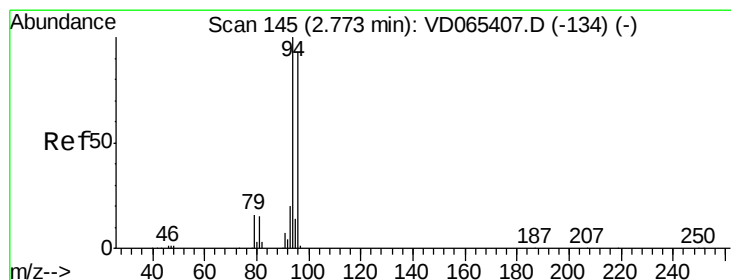
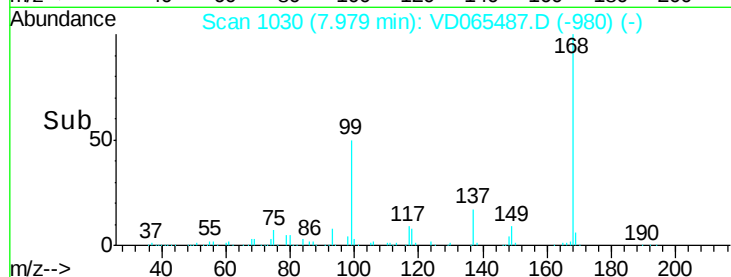
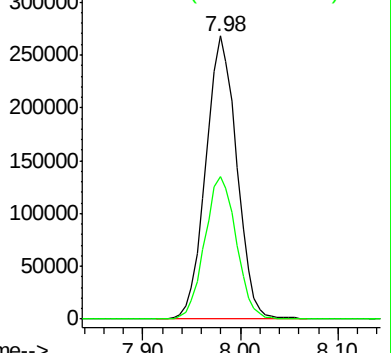
168 100

99 50.1 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD065487.D

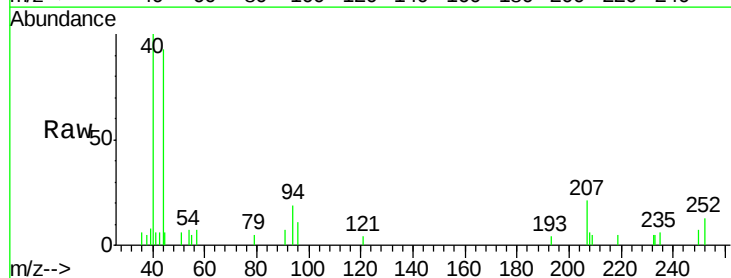
Acq: 12 Mar 2020 16:52

Tgt Ion: 94 Resp: 1180

Ion Ratio Lower Upper

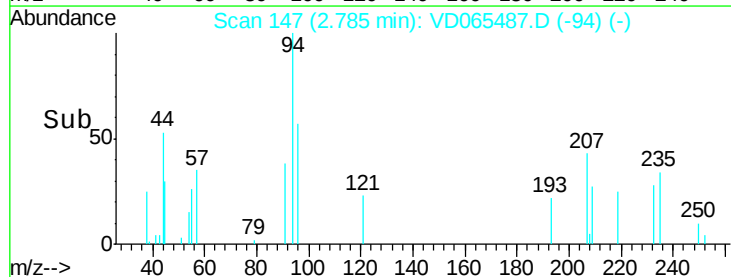
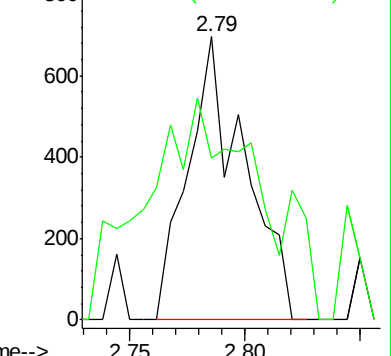
94 100

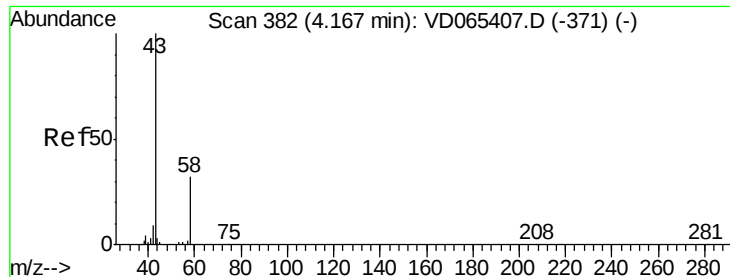
96 21.1 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 6.31 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065487.D

Acq: 12 Mar 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

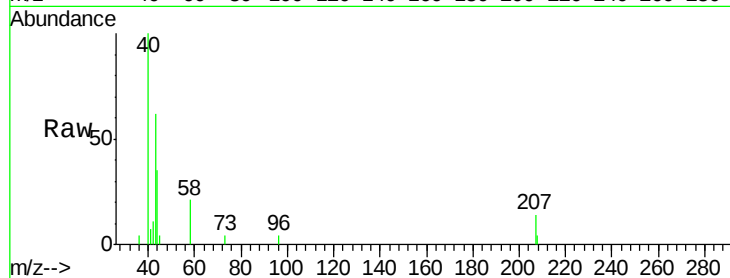
Z1-1A

Tgt Ion: 43 Resp: 6478

Ion Ratio Lower Upper

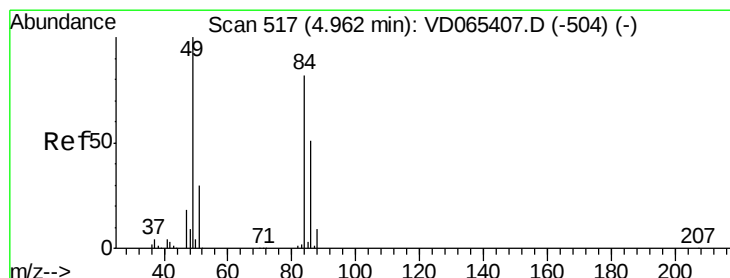
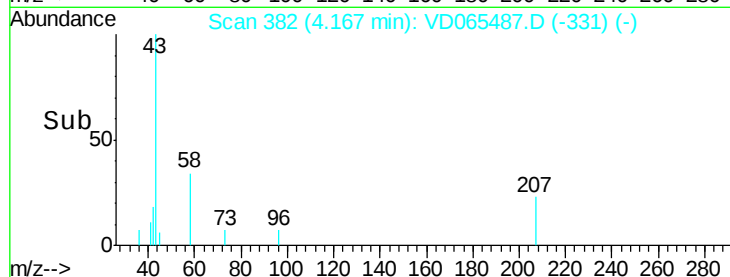
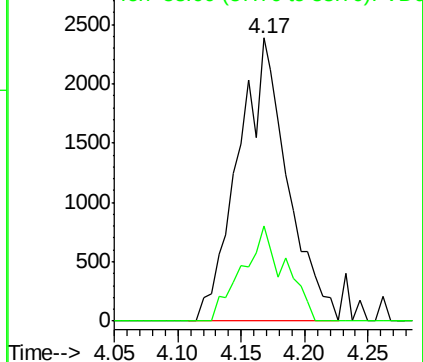
43 100

58 33.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 1.49 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD065487.D

Acq: 12 Mar 2020 16:52

Tgt Ion: 84 Resp: 27023

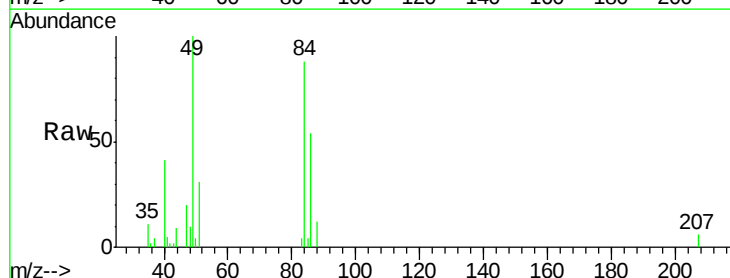
Ion Ratio Lower Upper

84 100

49 114.3 97.7 146.5

51 35.0 28.8 43.2

86 61.6 49.5 74.3

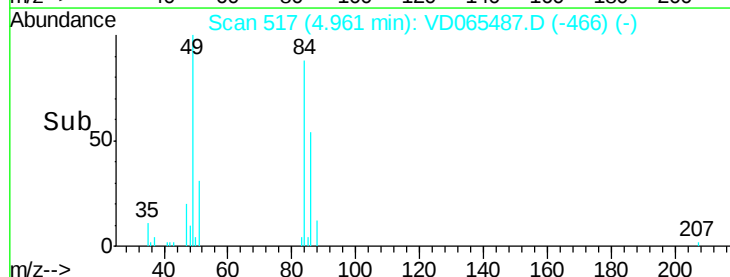
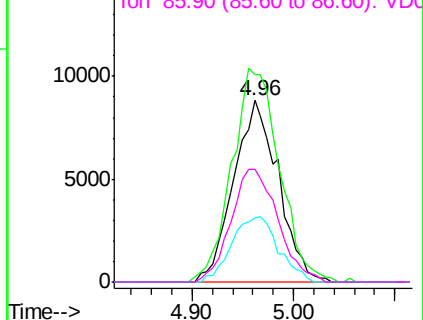


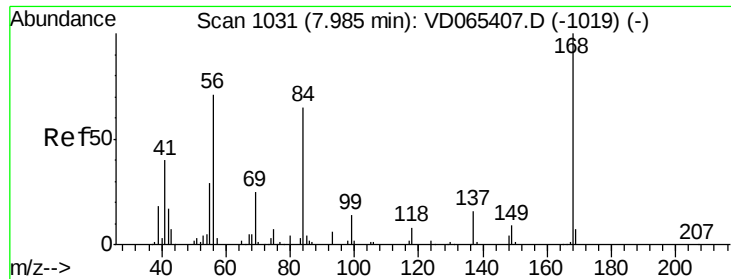
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

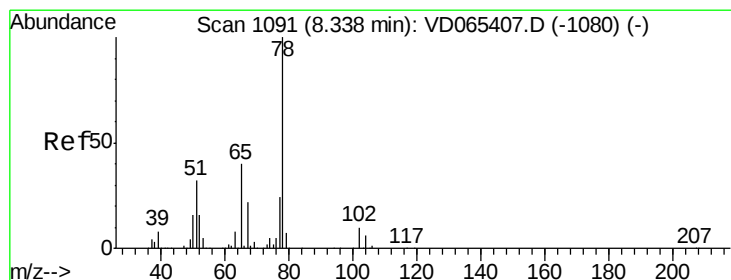
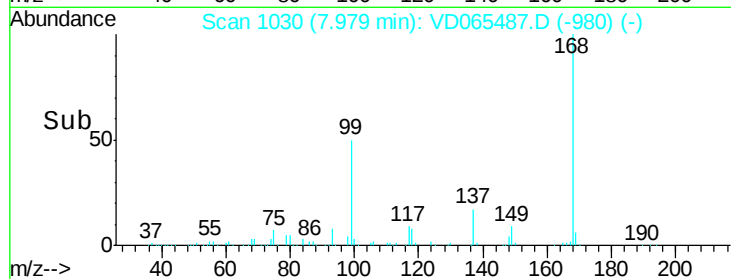
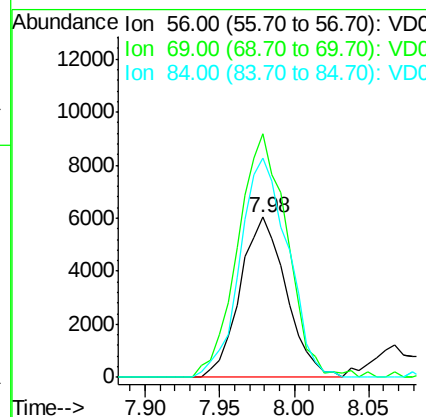
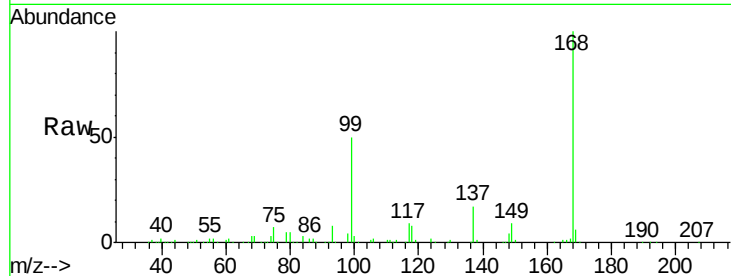




#31
Cyclohexane
Concen: 1.28 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065487.D
Acq: 12 Mar 2020 16:52

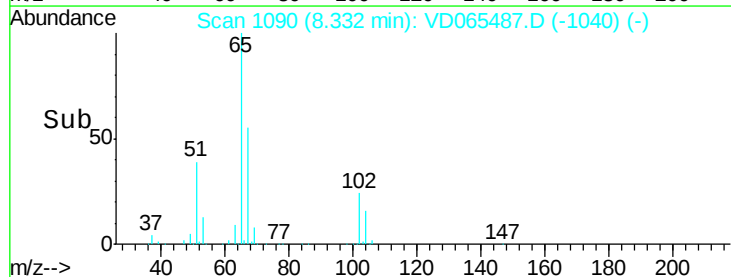
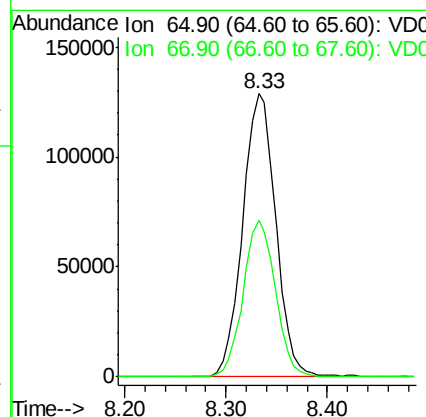
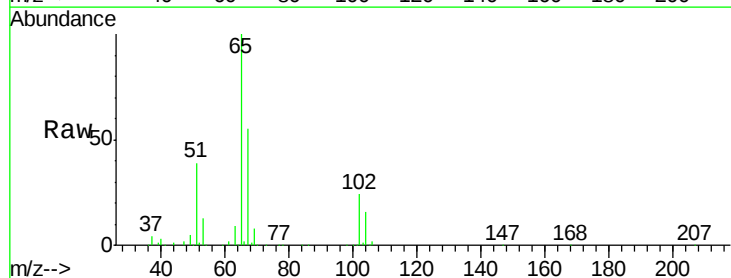
Instrument :
MSVOA_D
ClientSampleId :
Z1-1A

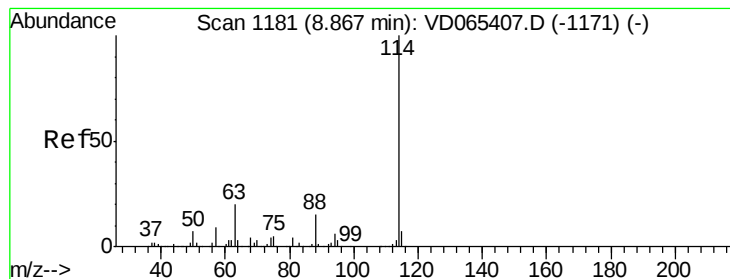
Tgt Ion: 56 Resp: 12954
Ion Ratio Lower Upper
56 100
69 151.8 28.3 42.5#
84 136.7 73.1 109.7#



#33
1,2-Dichloroethane-d4
Concen: 57.56 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065487.D
Acq: 12 Mar 2020 16:52

Tgt Ion: 65 Resp: 292279
Ion Ratio Lower Upper
65 100
67 53.9 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065487.D

Acq: 12 Mar 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

Z1-1A

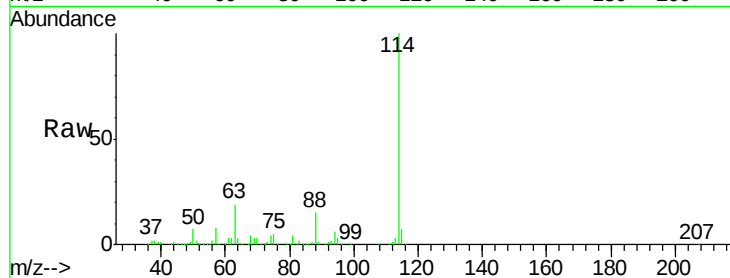
Tgt Ion:114 Resp: 995116

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

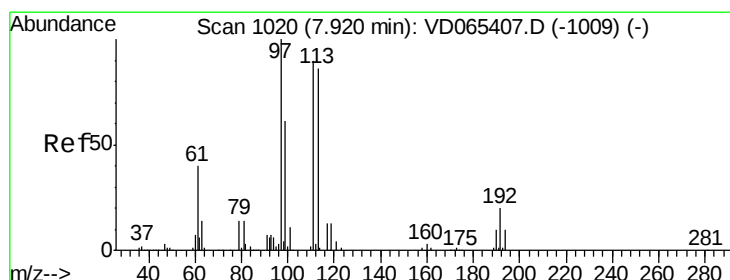
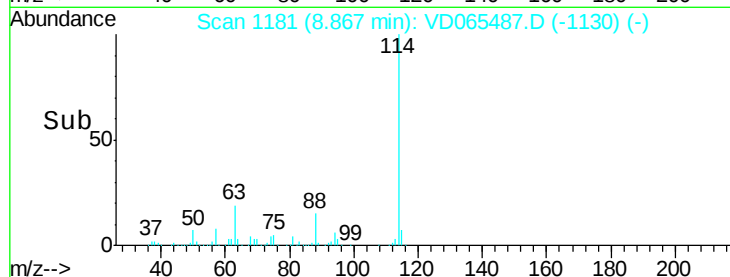
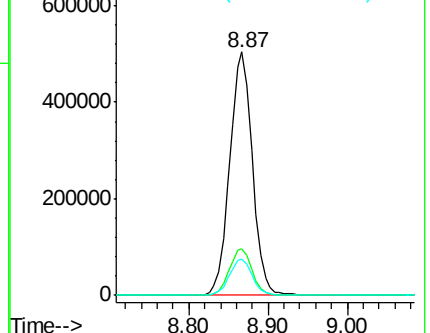
88 15.1 0.0 30.4



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



#35

Dibromofluoromethane

Concen: 51.61 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065487.D

Acq: 12 Mar 2020 16:52

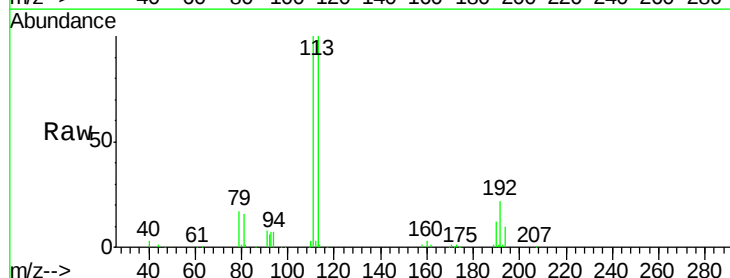
Tgt Ion:113 Resp: 317618

Ion Ratio Lower Upper

113 100

111 103.0 82.1 123.1

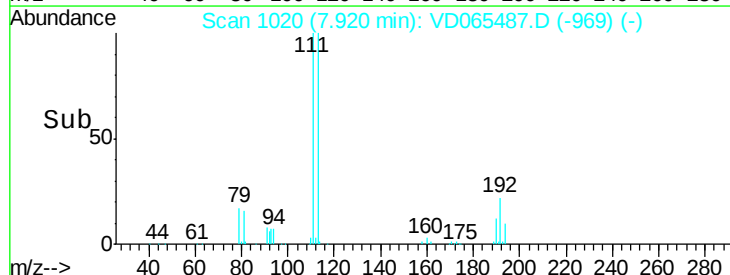
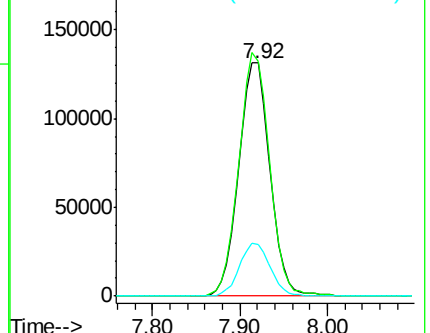
192 22.1 17.2 25.8

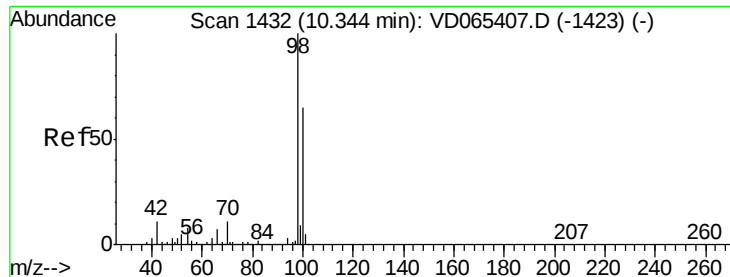


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.12 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065487.D

Acq: 12 Mar 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

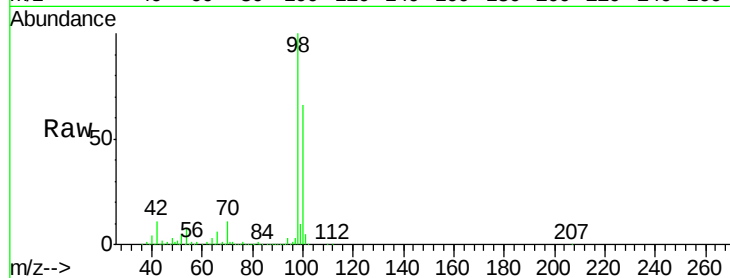
Z1-1A

Tgt Ion: 98 Resp: 1183320

Ion Ratio Lower Upper

98 100

100 65.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VD065407.D (-1423) (-)

Ion 100.00 (99.70 to 100.70): VD065407.D (-1423) (-)

10.34

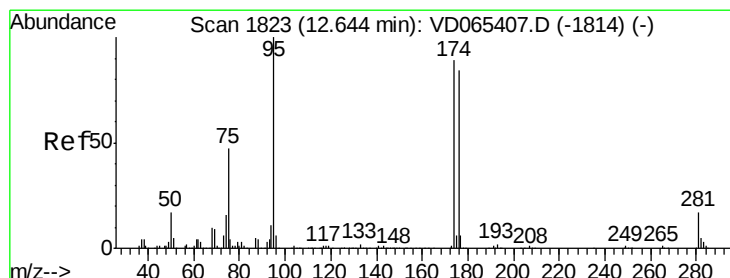
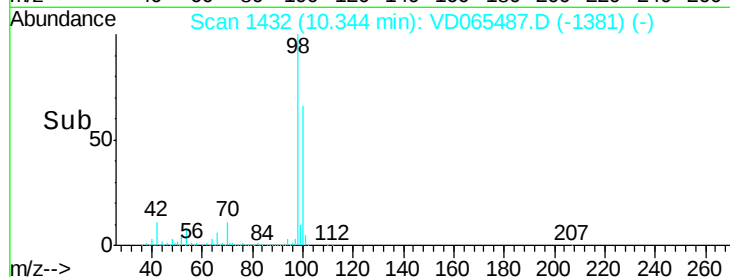
600000

400000

200000

0

Time--> 10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 51.03 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065487.D

Acq: 12 Mar 2020 16:52

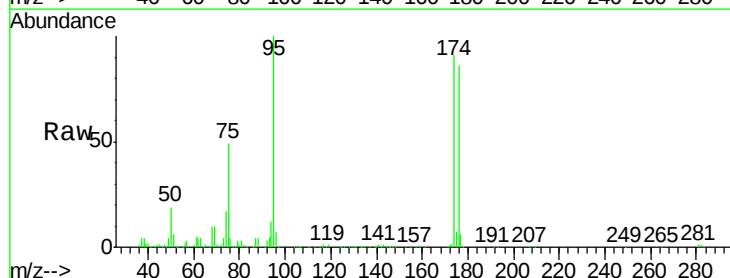
Tgt Ion: 95 Resp: 371882

Ion Ratio Lower Upper

95 100

174 91.7 0.0 176.8

176 87.2 0.0 171.4



Abundance Ion 94.90 (94.60 to 95.60): VD065407.D (-1814) (-)

Ion 173.80 (173.50 to 174.50): VD065407.D (-1814) (-)

Ion 175.80 (175.50 to 176.50): VD065407.D (-1814) (-)

12.64

300000

250000

200000

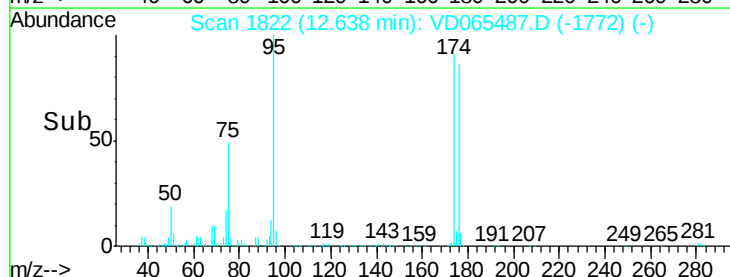
150000

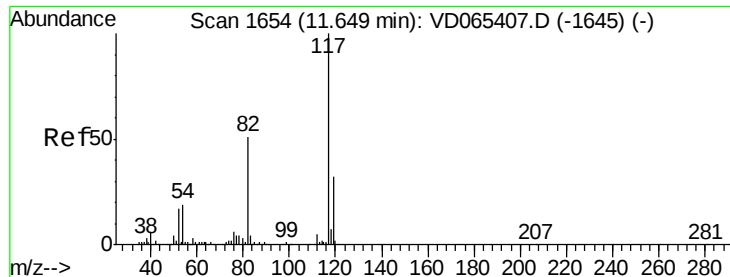
100000

50000

0

Time--> 12.55 12.60 12.65 12.70

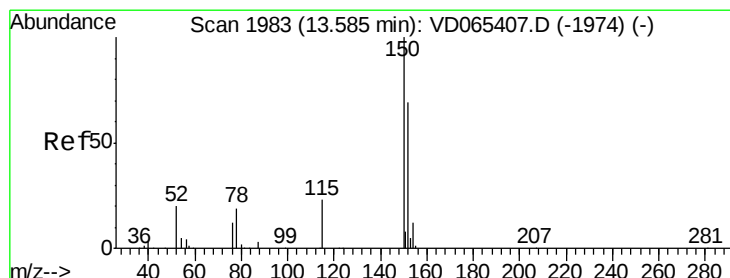
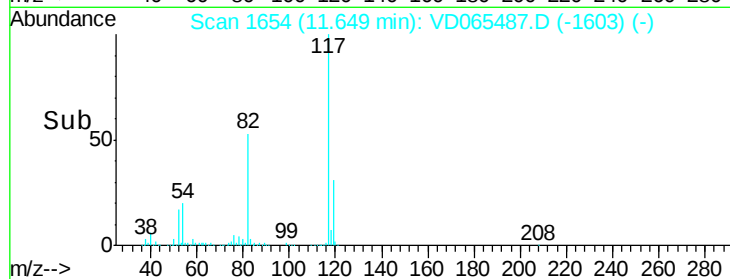
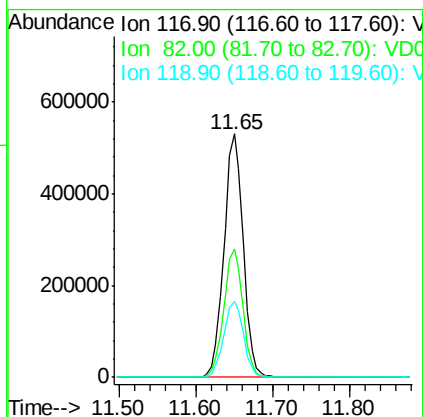
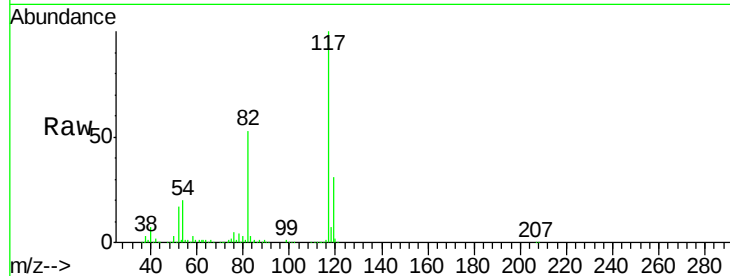




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065487.D
Acq: 12 Mar 2020 16:52

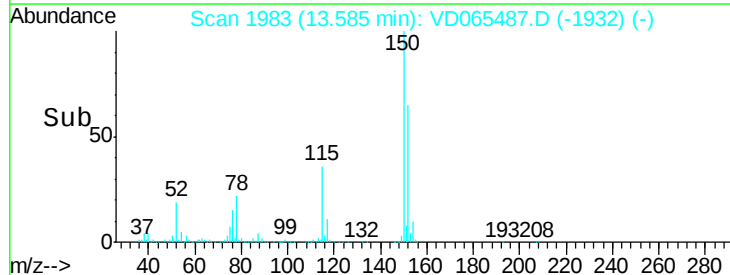
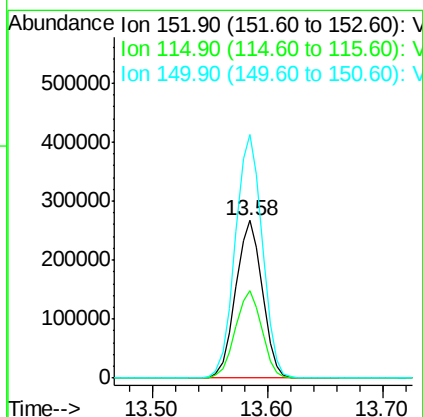
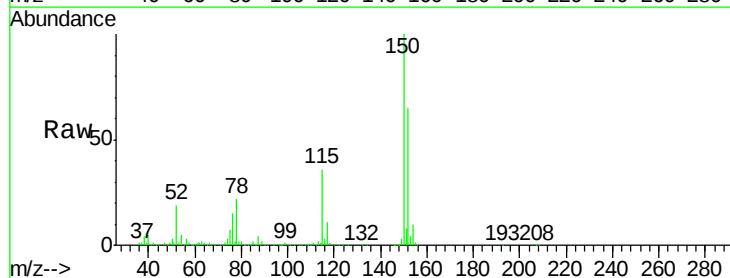
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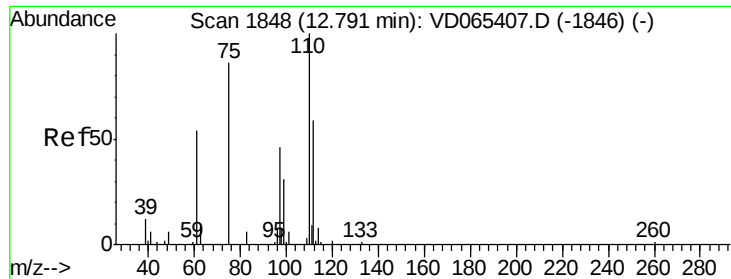
Tgt Ion:117 Resp: 920813
Ion Ratio Lower Upper
117 100
82 52.9 40.6 60.8
119 31.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065487.D
Acq: 12 Mar 2020 16:52

Tgt Ion:152 Resp: 426829
Ion Ratio Lower Upper
152 100
115 55.3 27.6 82.8
150 156.4 0.0 345.0

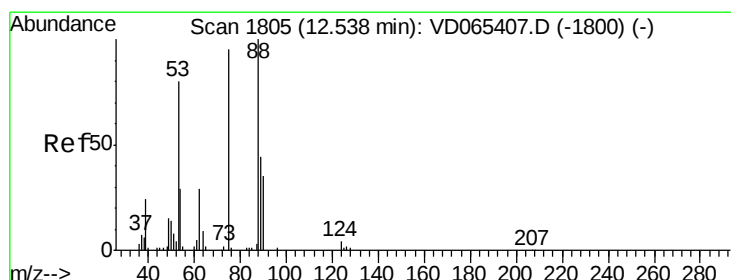
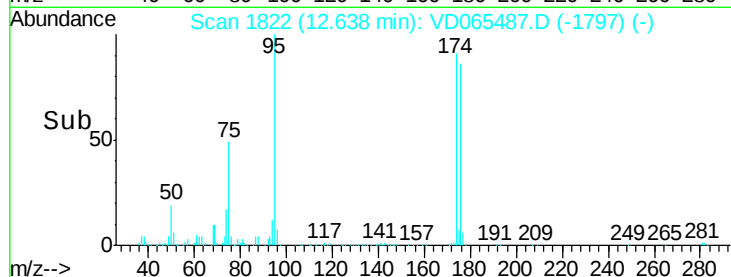
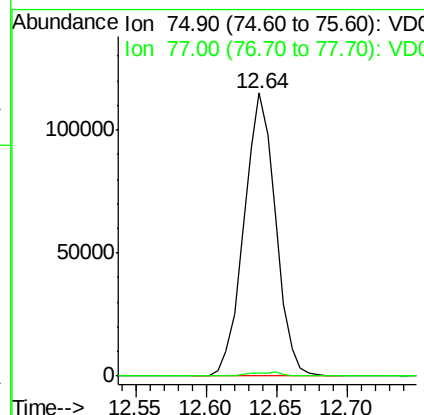
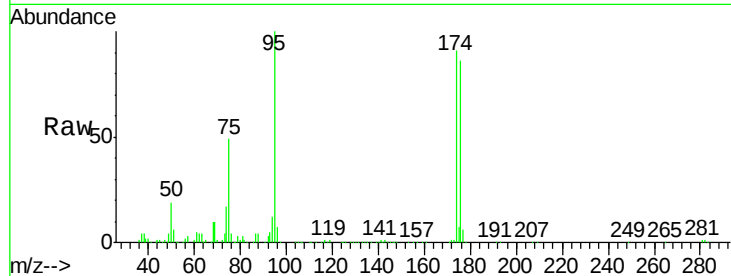




#76
 1,2,3-Trichloropropane
 Concen: 53.51 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD065487.D
 Acq: 12 Mar 2020 16:52

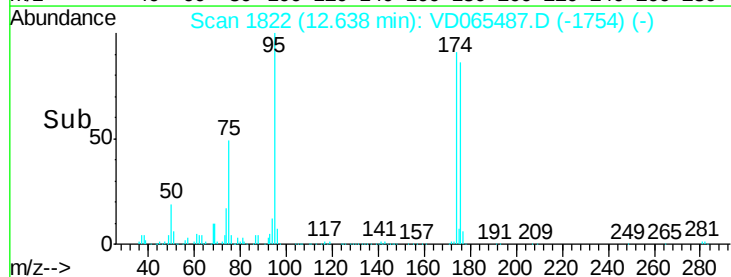
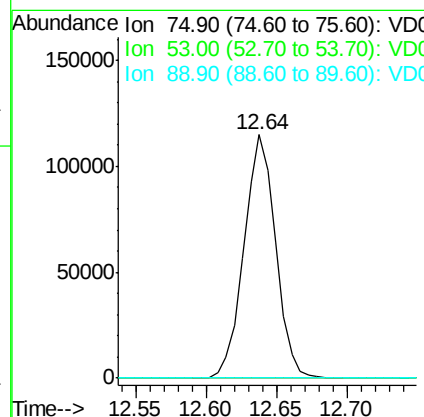
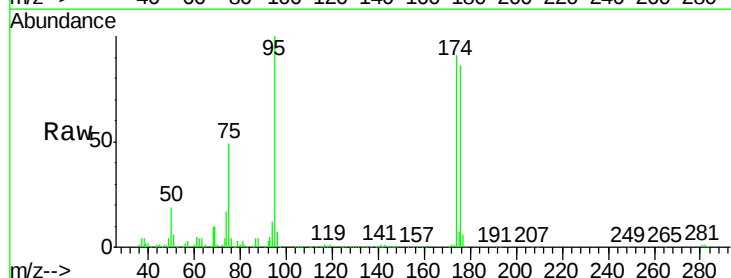
Instrument :
 MSVOA_D
 ClientSampled :
 Z1-1A

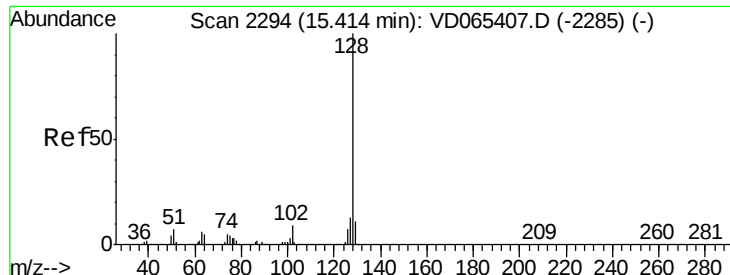
Tgt Ion: 75 Resp: 180228
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.92 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.10 min
 Lab File: VD065487.D
 Acq: 12 Mar 2020 16:52

Tgt Ion: 75 Resp: 180228
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.3 106.9#
 89 0.0 37.0 55.6#





#95

Naphthalene

Concen: 4.58 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065487.D

Acq: 12 Mar 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

Z1-1A

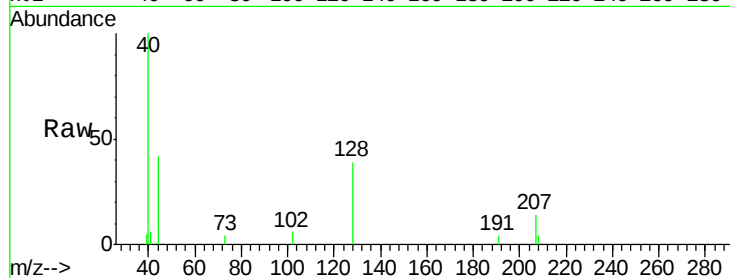
Tgt Ion:128 Resp: 2577

Ion Ratio Lower Upper

128 100

127 10.1 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

