

Data File : VD065467.D
Acq On : 10 Mar 2020 17:25
Operator : VA/SY
Sample : L1864-04
Misc : 7.87G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SP-2

Quant Time: Mar 11 01:57:38 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	499914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	872007	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	809248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	360769	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	261203	60.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.82%	
35) Dibromofluoromethane	7.92	113	286321	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.34	98	1067453	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.64	95	316250	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	

Target Compounds

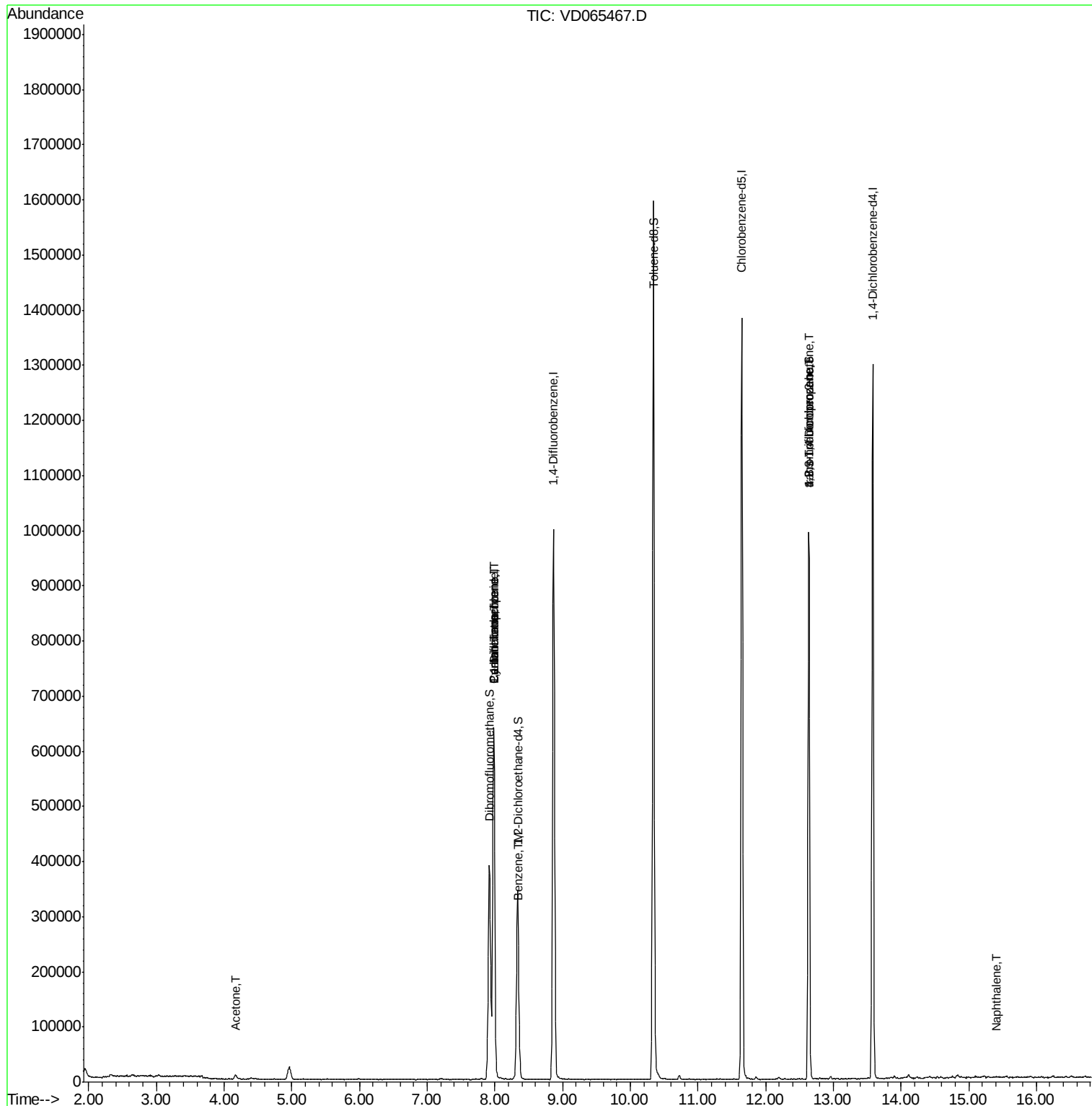
						Qvalue
5) Bromomethane	2.79	94	517	Below Cal	#	3
16) Acetone	4.16	43	13258	15.287	ug/l	92
31) Cyclohexane	7.98	56	9612	1.129	ug/l #	5
36) 1,1-Dichloropropene	7.98	75	34642	4.144	ug/l #	49
38) Carbon Tetrachloride	7.98	117	45945	5.301	ug/l #	19
40) Benzene	8.36	78	33238	1.422	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	153826	54.035	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	153826	114.031	ug/l #	14
95) Naphthalene	15.41	128	2473	4.601	ug/l #	80

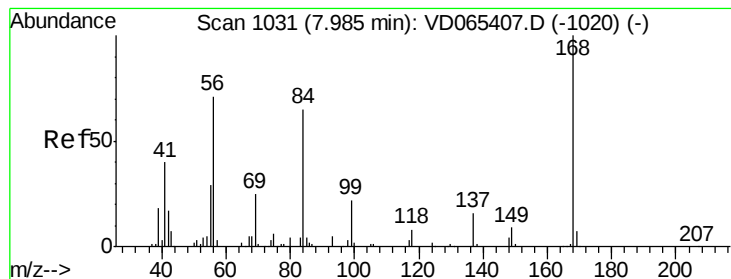
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065467.D

Acq: 10 Mar 2020 17:25

Instrument :

MSVOA_D

ClientSampleId :

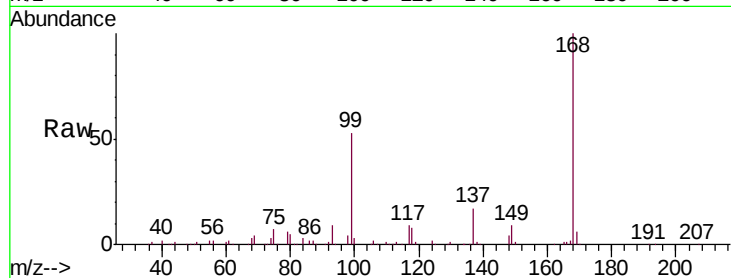
SP-2

Tgt Ion:168 Resp: 499914

Ion Ratio Lower Upper

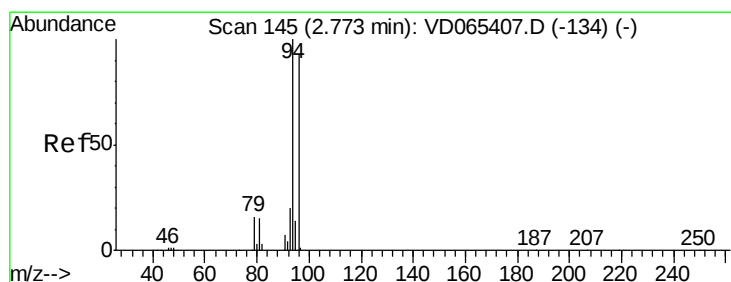
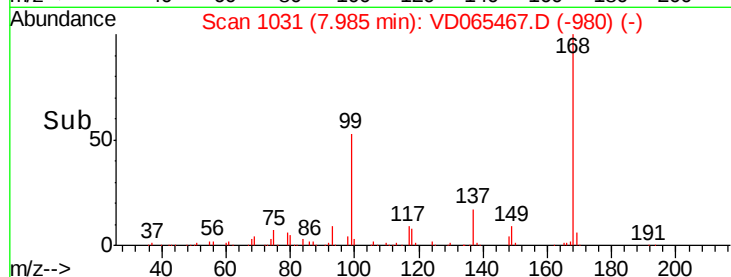
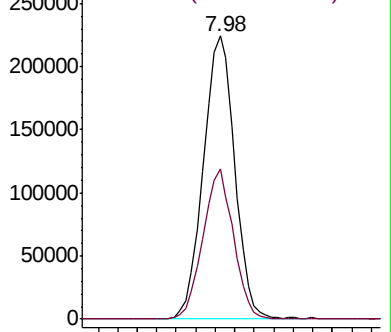
168 100

99 53.3 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: VD065467.D

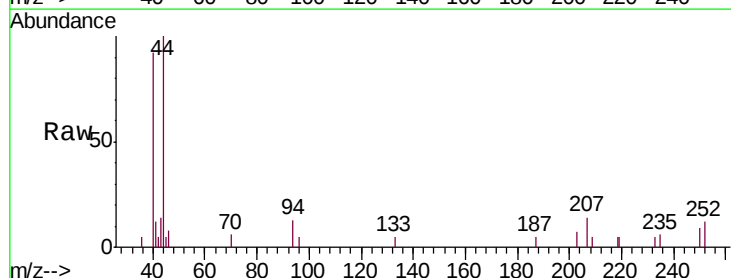
Acq: 10 Mar 2020 17:25

Tgt Ion: 94 Resp: 517

Ion Ratio Lower Upper

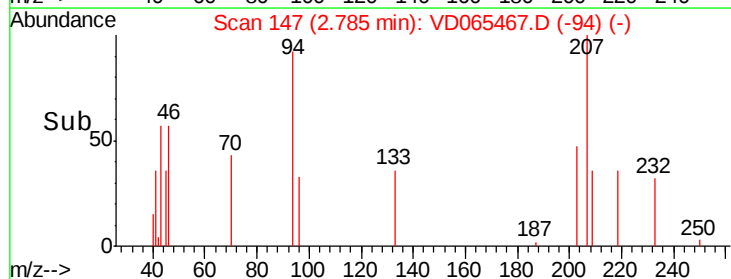
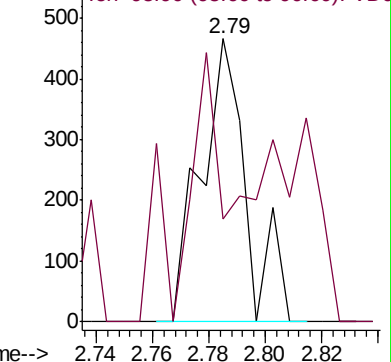
94 100

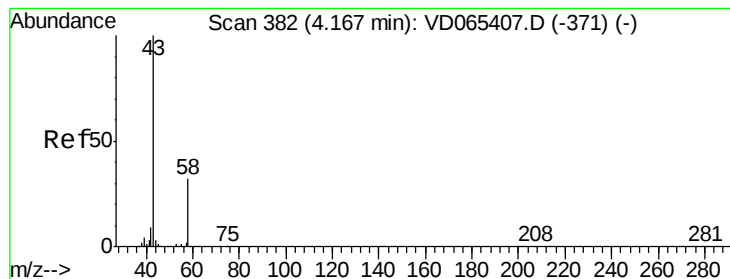
96 0.0 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 15.287 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065467.D

Acq: 10 Mar 2020 17:25

Instrument :

MSVOA_D

ClientSampleId :

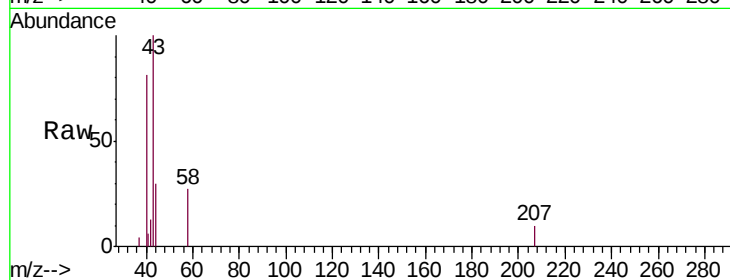
SP-2

Tgt Ion: 43 Resp: 13258

Ion Ratio Lower Upper

43 100

58 27.2 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

5000

4000

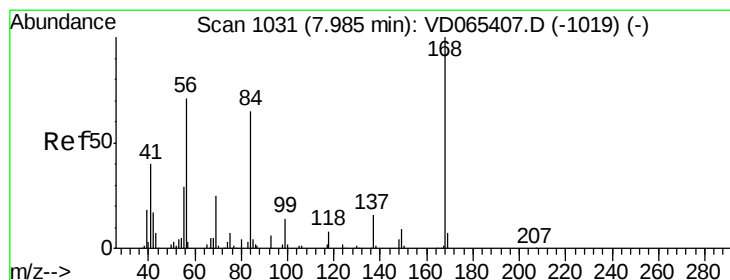
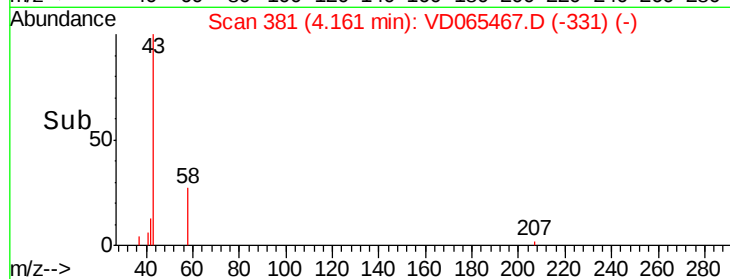
3000

2000

1000

0

Time--> 4.05 4.10 4.15 4.20 4.25



#31

Cyclohexane

Concen: 1.129 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065467.D

Acq: 10 Mar 2020 17:25

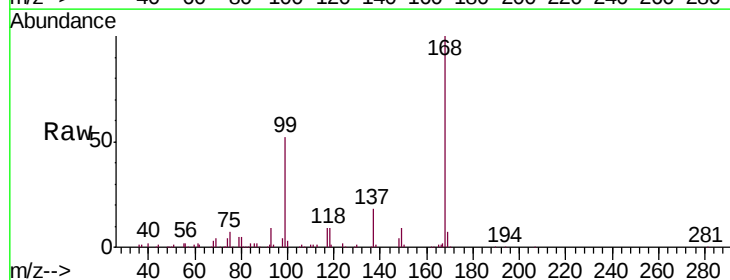
Tgt Ion: 56 Resp: 9612

Ion Ratio Lower Upper

56 100

69 185.0 28.3 42.5#

84 122.6 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

12000

10000

8000

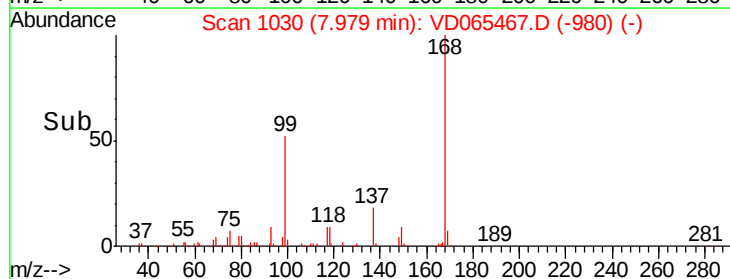
6000

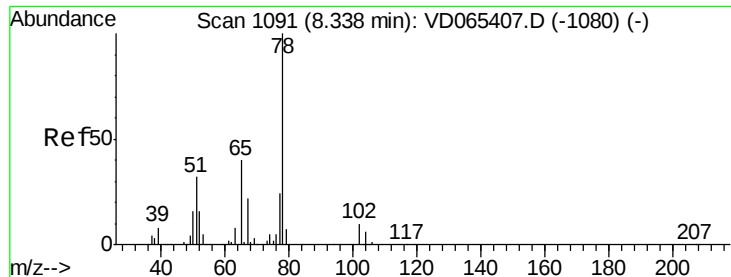
4000

2000

0

Time--> 7.90 7.95 8.00 8.05

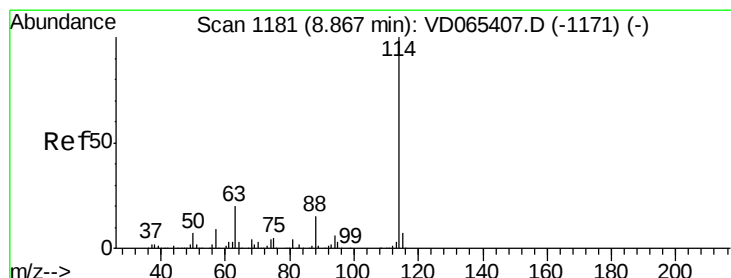
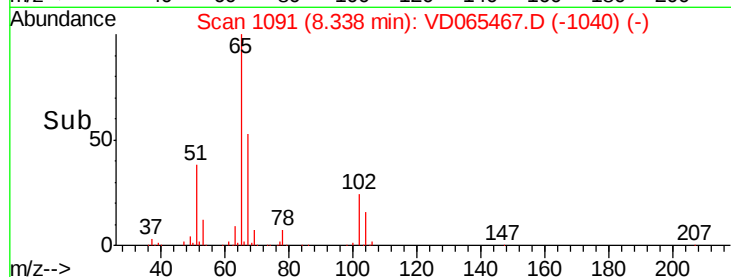
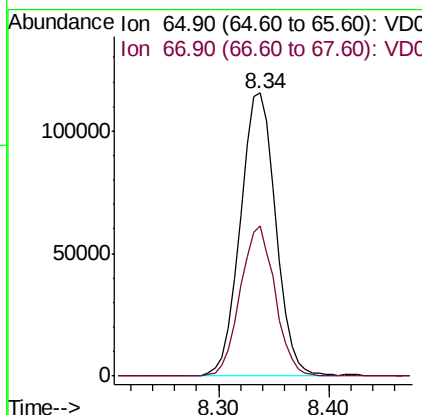
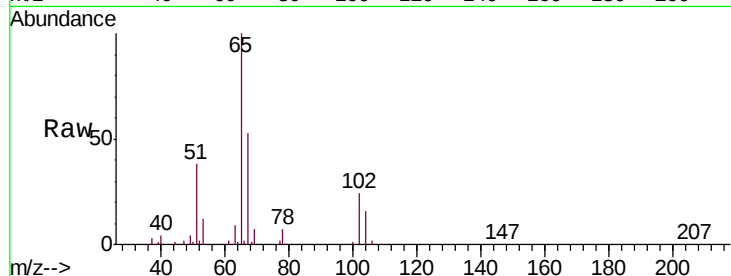




#33
 1,2-Dichloroethane-d4
 Concen: 60.911 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065467.D
 Acq: 10 Mar 2020 17:25

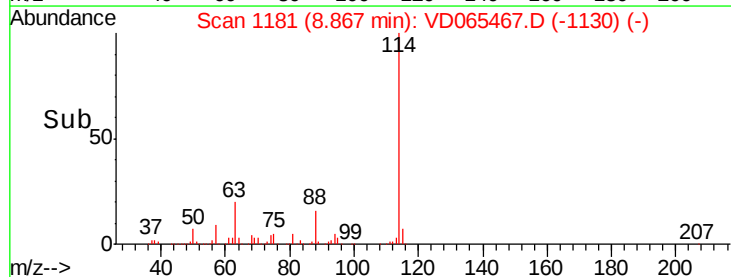
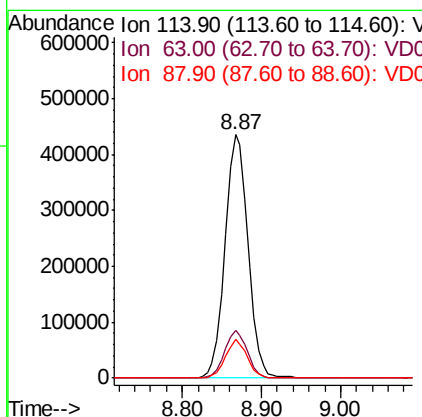
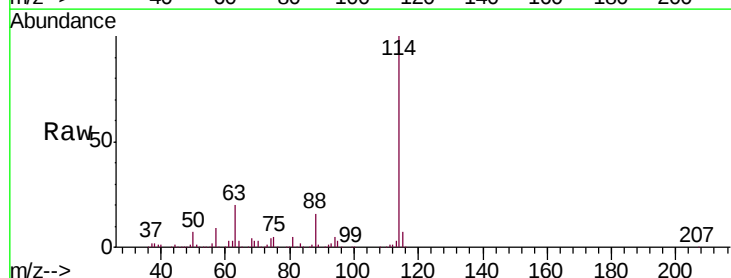
Instrument :
 MSVOA_D
 ClientSampled :
 SP-2

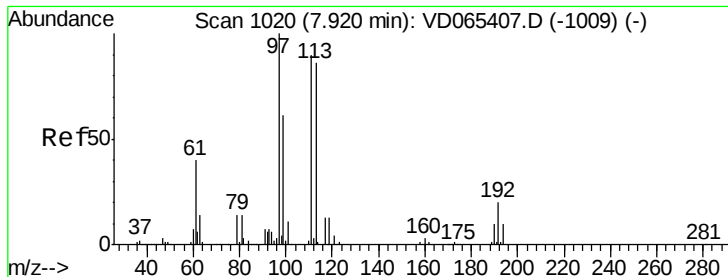
Tgt Ion: 65 Resp: 261203
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065467.D
 Acq: 10 Mar 2020 17:25

Tgt Ion: 114 Resp: 872007
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.6
 88 15.7 0.0 30.4

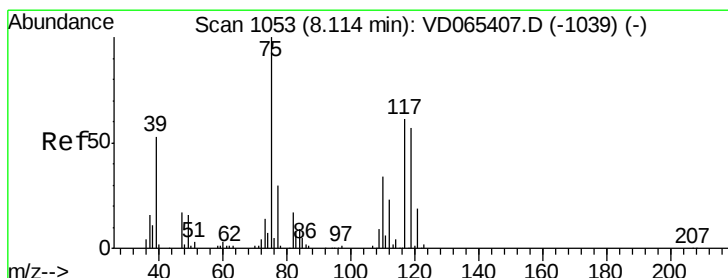
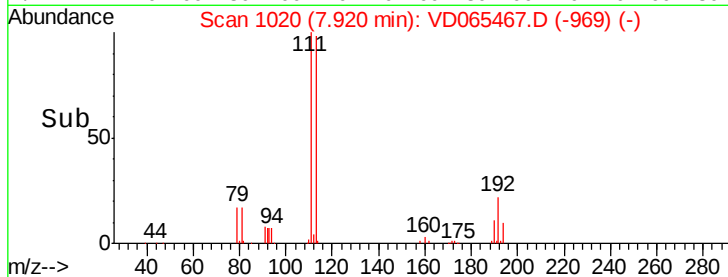
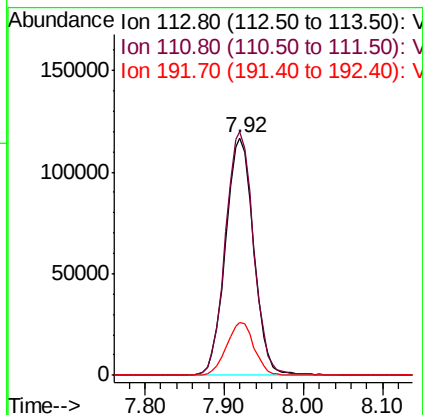
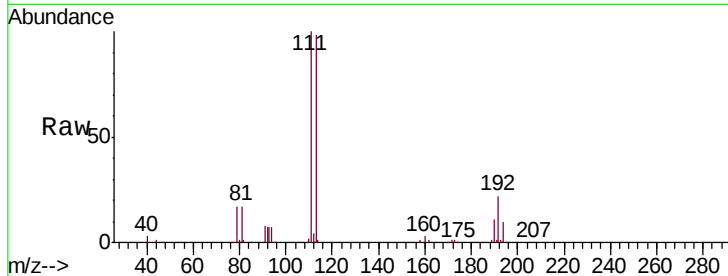




#35
 Dibromofluoromethane
 Concen: 53.096 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065467.D
 Acq: 10 Mar 2020 17:25

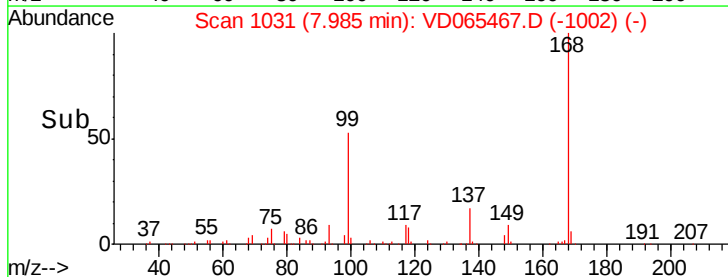
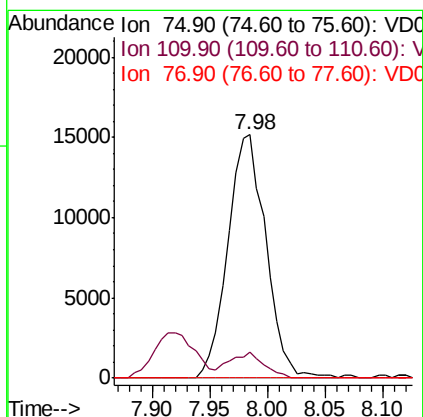
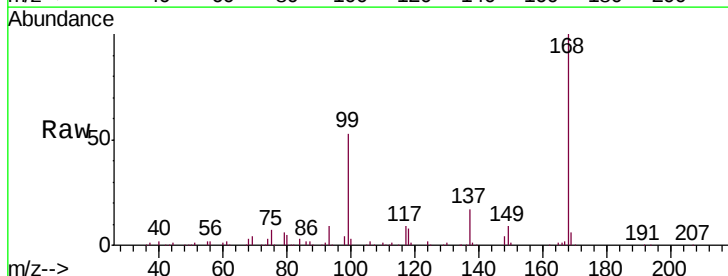
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-2

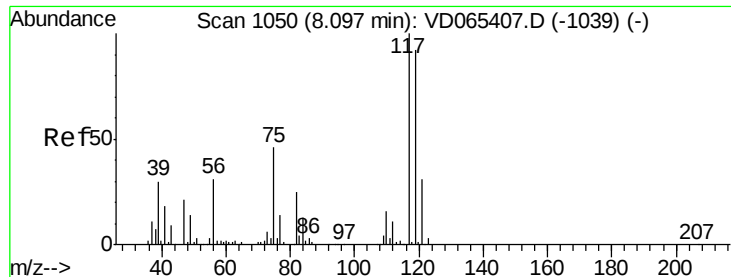
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.1	123.1
192	21.8	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 4.144 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065467.D
 Acq: 10 Mar 2020 17:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.1	54.1#
77	0.0	25.2	37.8#

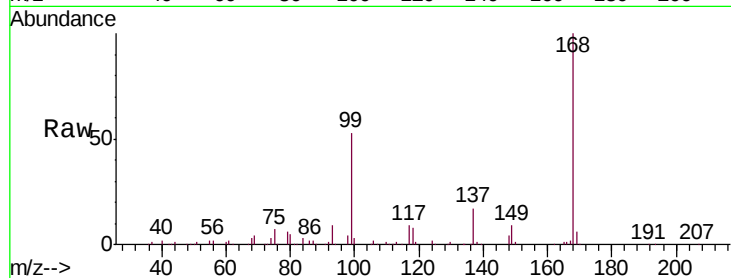




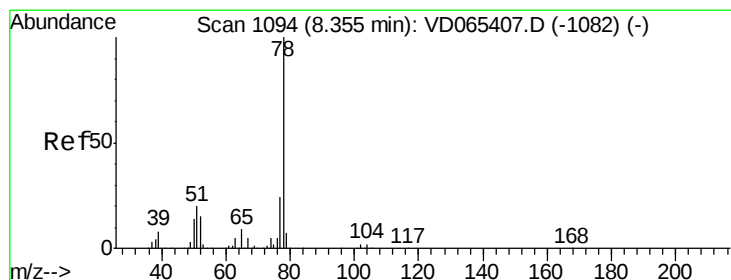
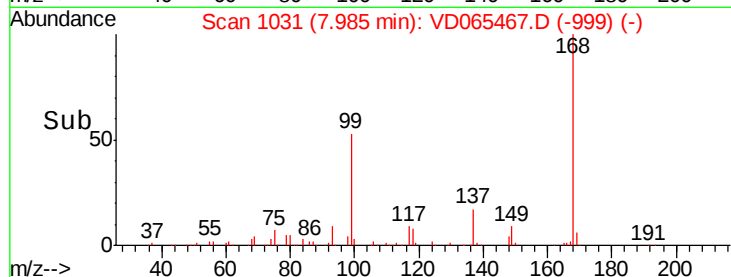
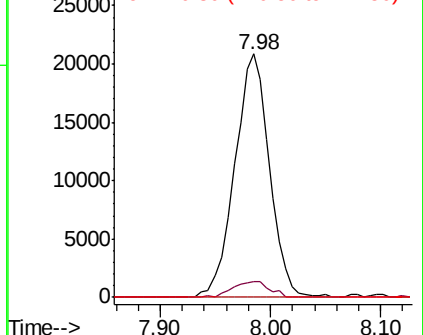
#38
Carbon Tetrachloride
Concen: 5.301 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065467.D
Acq: 10 Mar 2020 17:25

Instrument :
MSVOA_D
ClientSampled :
SP-2

Tgt Ion:117 Resp: 45945
Ion Ratio Lower Upper
117 100
119 6.6 73.3 109.9#
121 0.0 25.0 37.4#

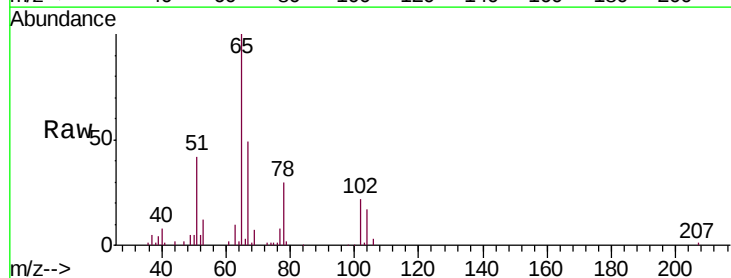


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

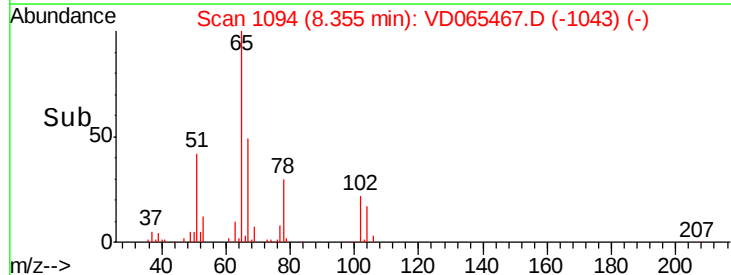
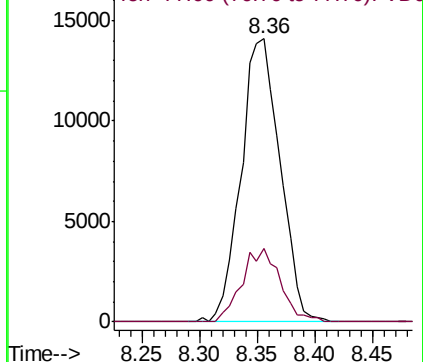


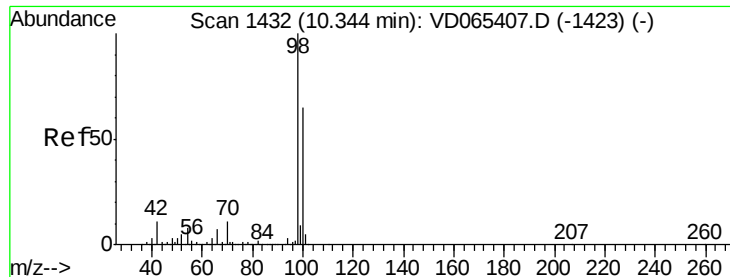
#40
Benzene
Concen: 1.422 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065467.D
Acq: 10 Mar 2020 17:25

Tgt Ion: 78 Resp: 33238
Ion Ratio Lower Upper
78 100
77 25.8 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#50

Toluene-d8

Concen: 51.598 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065467.D

Acq: 10 Mar 2020 17:25

Instrument :

MSVOA_D

ClientSampleId :

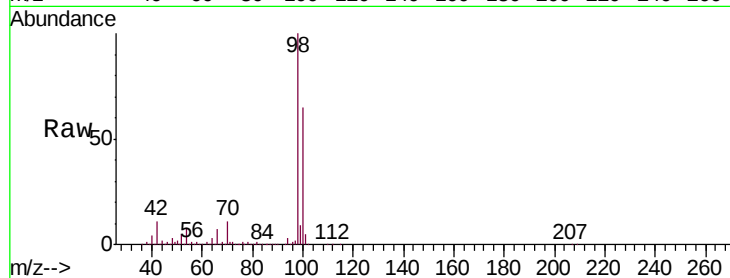
SP-2

Tgt Ion: 98 Resp: 1067453

Ion Ratio Lower Upper

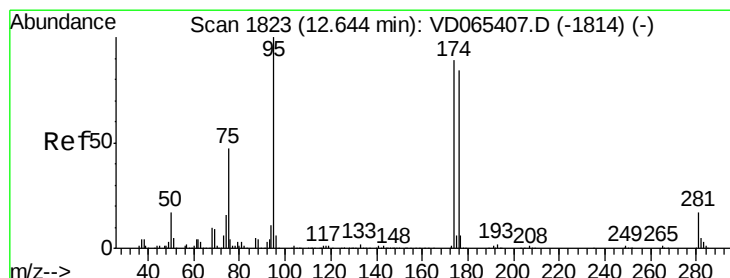
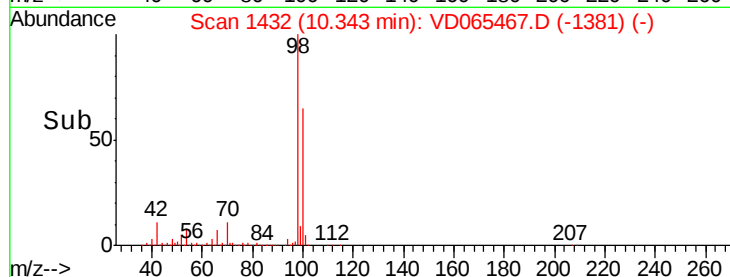
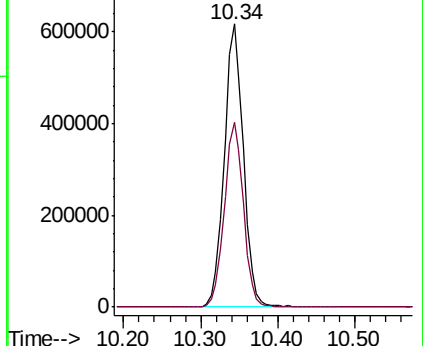
98 100

100 65.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 49.519 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065467.D

Acq: 10 Mar 2020 17:25

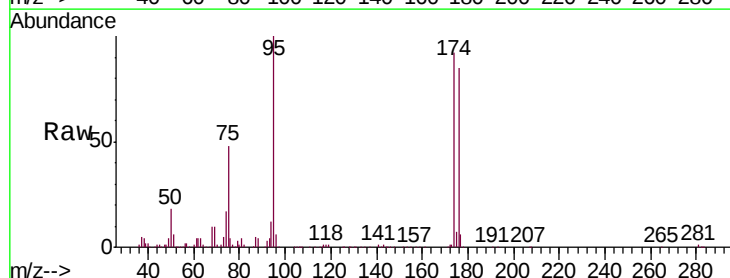
Tgt Ion: 95 Resp: 316250

Ion Ratio Lower Upper

95 100

174 91.9 0.0 176.8

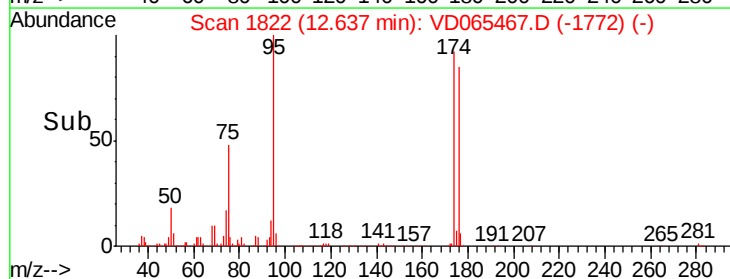
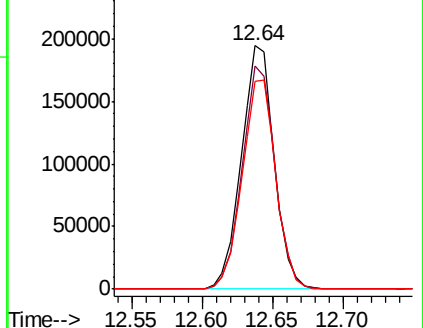
176 88.1 0.0 171.4

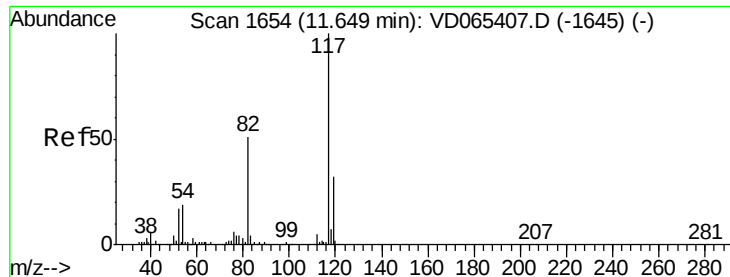


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

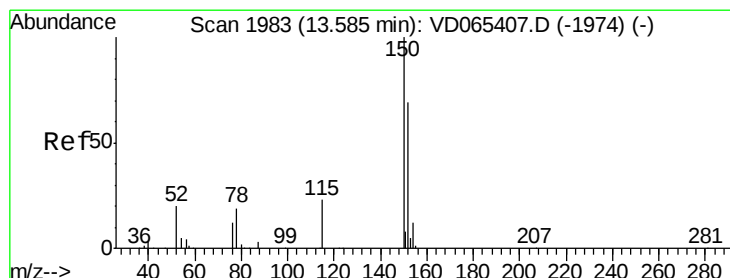
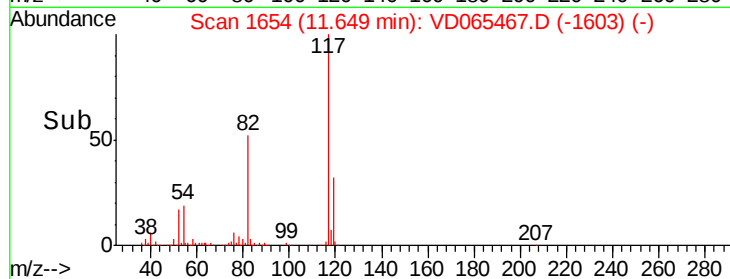
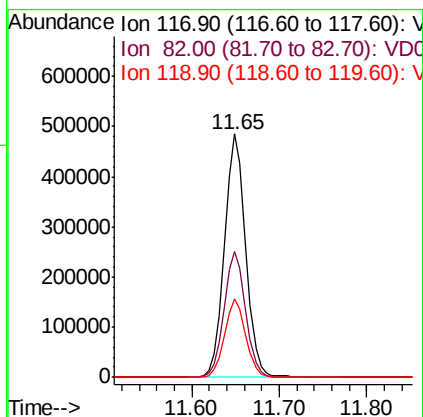
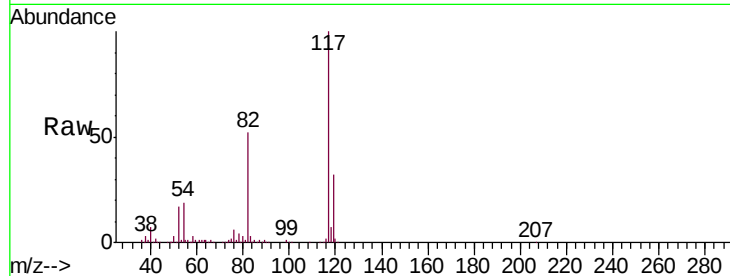




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065467.D
Acq: 10 Mar 2020 17:25

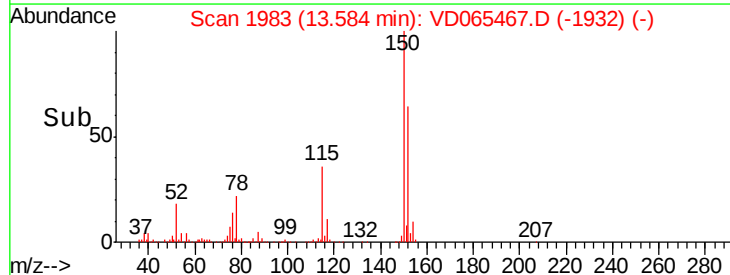
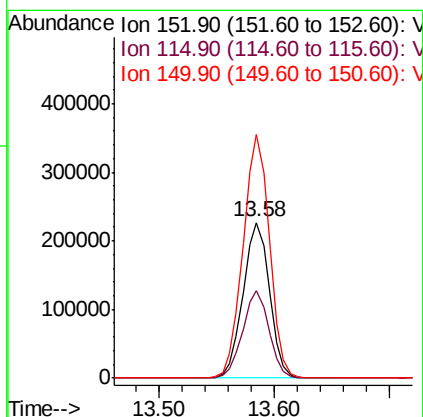
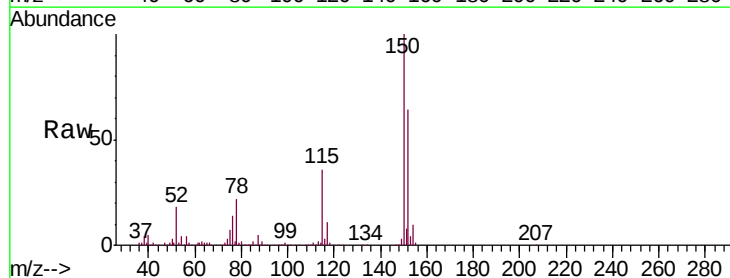
Instrument :
MSVOA_D
ClientSampleId :
SP-2

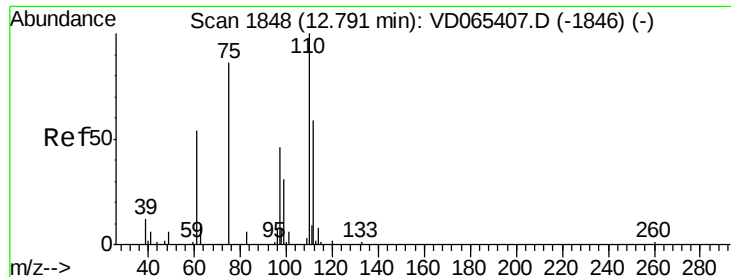
Tgt Ion:117 Resp: 809248
Ion Ratio Lower Upper
117 100
82 51.5 40.6 60.8
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065467.D
Acq: 10 Mar 2020 17:25

Tgt Ion:152 Resp: 360769
Ion Ratio Lower Upper
152 100
115 55.9 27.6 82.8
150 156.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 54.035 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065467.D

Acq: 10 Mar 2020 17:25

Instrument :

MSVOA_D

ClientSampled :

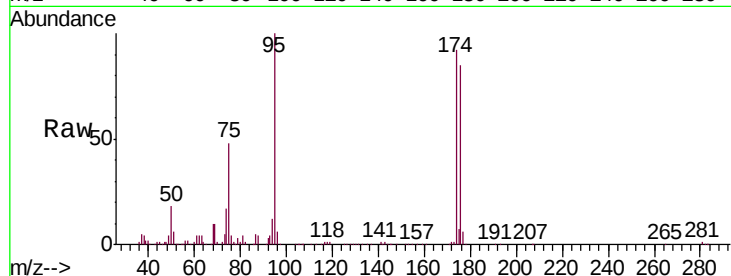
SP-2

Tgt Ion: 75 Resp: 153826

Ion Ratio Lower Upper

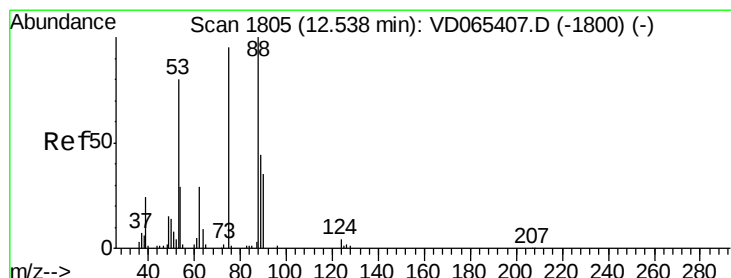
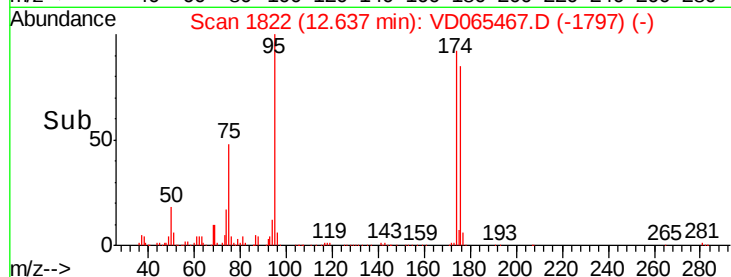
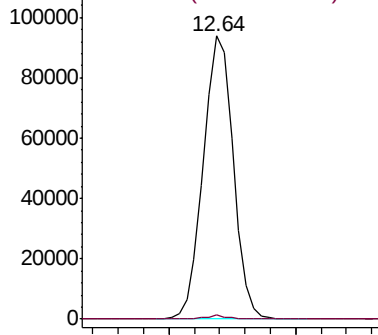
75 100

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: 114.031 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065467.D

Acq: 10 Mar 2020 17:25

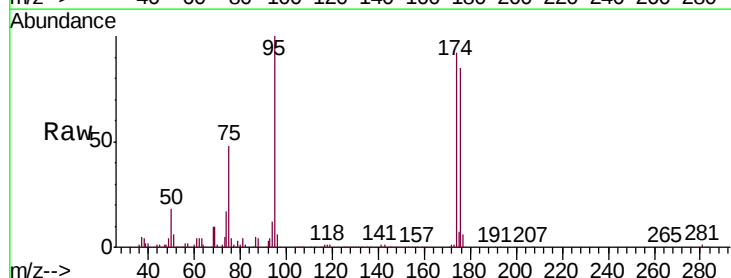
Tgt Ion: 75 Resp: 153826

Ion Ratio Lower Upper

75 100

53 0.2 71.3 106.9#

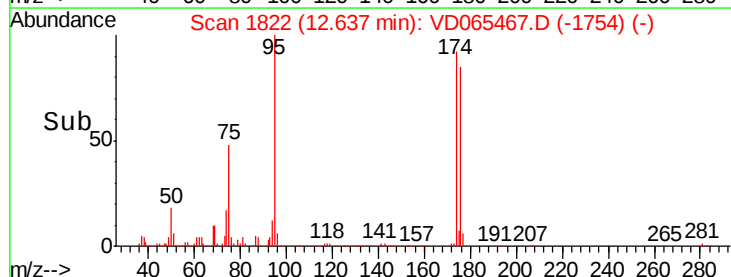
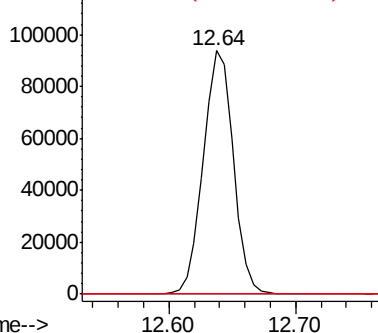
89 0.0 37.0 55.6#

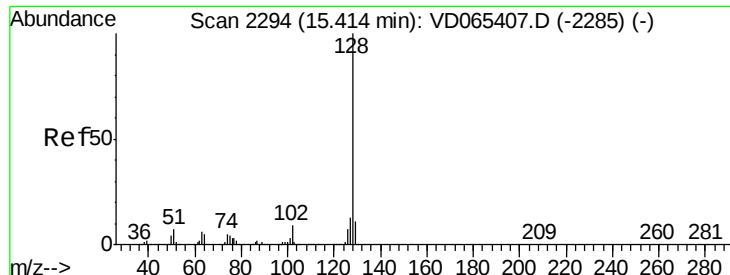


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 4.601 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD065467.D

Acq: 10 Mar 2020 17:25

Instrument :

MSVOA_D

ClientSampleId :

SP-2

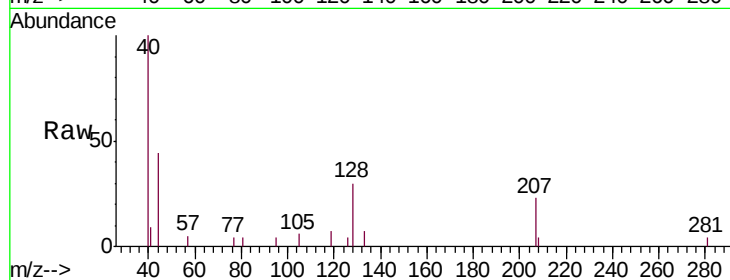
Tgt Ion:128 Resp: 2473

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 12.4 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

