

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065153.D
 Acq On : 11 Feb 2020 19:30
 Operator : VA/SY
 Sample : L1491-08
 Misc : 6.67G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 12 06:59:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	526250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	851224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	892918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	452042	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	239027	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
35) Dibromofluoromethane	7.92	113	259121	54.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.12%	
50) Toluene-d8	10.34	98	1043146	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	
62) 4-Bromofluorobenzene	12.64	95	401268	66.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.98%	

Target Compounds

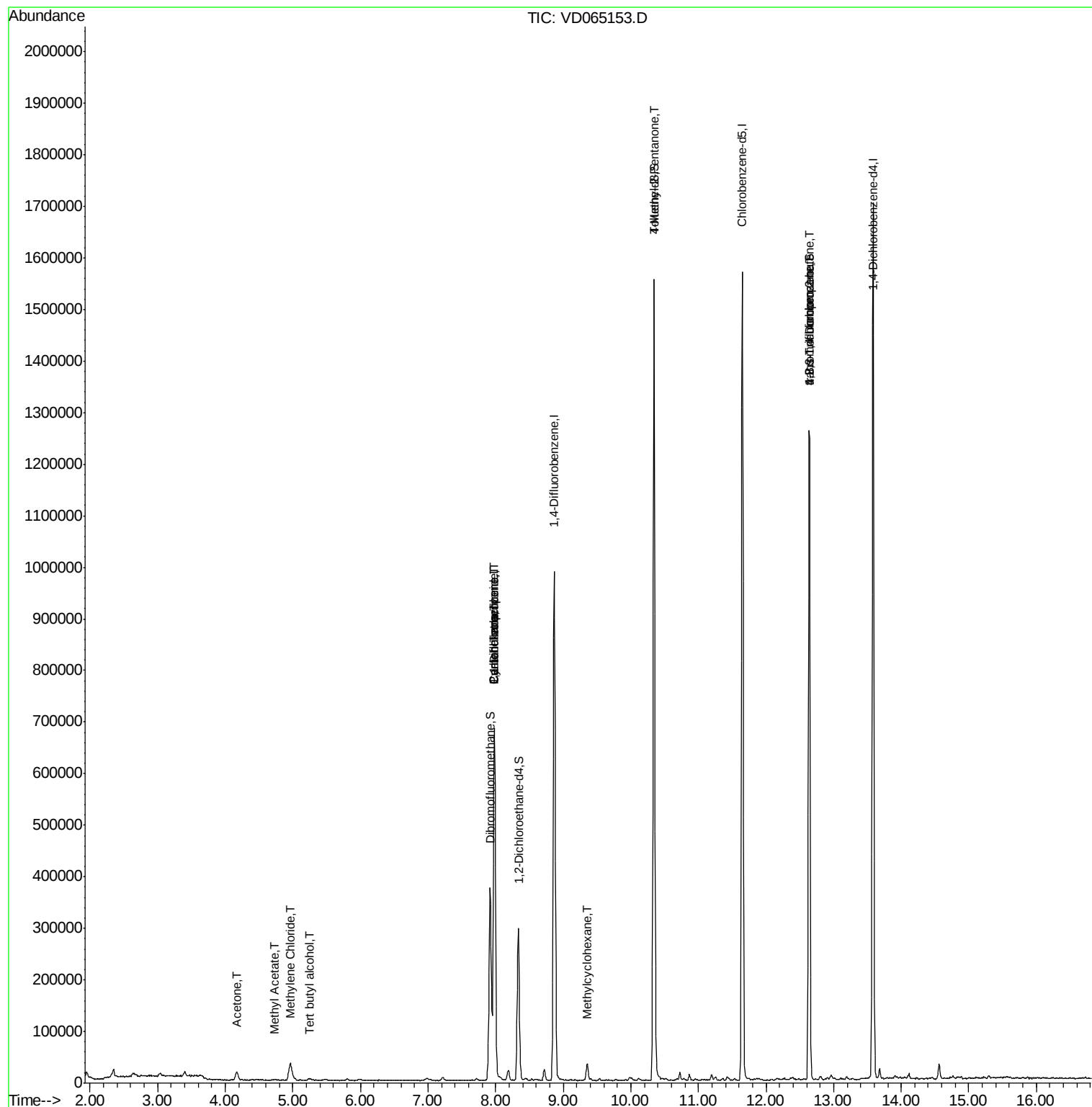
						Qvalue
11) Tert butyl alcohol	5.24	59	5658	20.704	ug/l #	78
16) Acetone	4.17	43	27975	25.017	ug/l	97
18) Methyl Acetate	4.74	43	4252	1.820	ug/l #	86
20) Methylene Chloride	4.96	84	24522	1.129	ug/l	89
31) Cyclohexane	7.98	56	13908	1.563	ug/l #	21
36) 1,1-Dichloropropene	7.98	75	38763	4.897	ug/l #	49
38) Carbon Tetrachloride	7.98	117	49370	6.107	ug/l #	17
39) Methylcyclohexane	9.36	83	11543	1.181	ug/l	100
51) 4-Methyl-2-Pentanone	10.34	43	4911	1.613	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	203826	59.556	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	203826	119.107	ug/l #	10

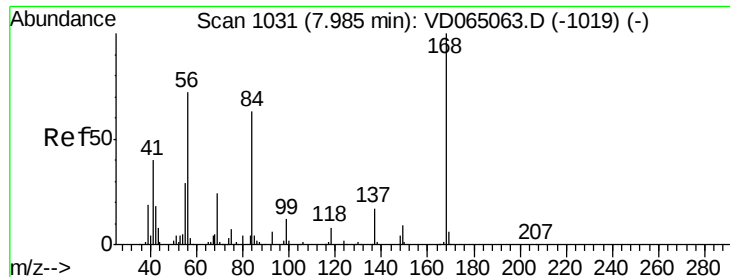
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021120\
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Quant Time: Feb 12 06:59:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065153.D

Acq: 11 Feb 2020 19:30

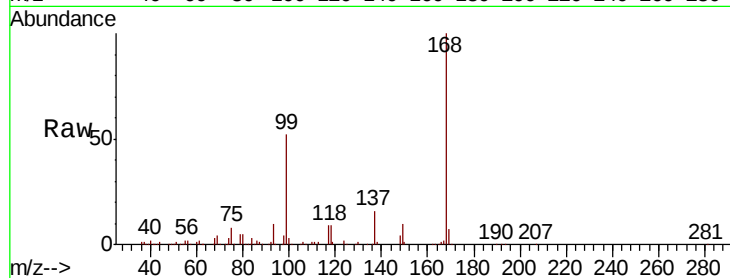
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 526250

Ion Ratio Lower Upper

168 100

99 51.9 41.0 61.6



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

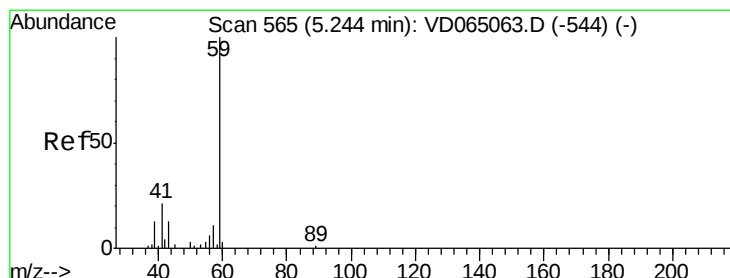
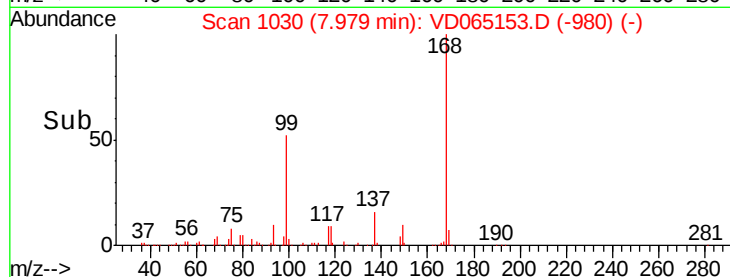
0

Time-->

7.90

8.00

8.10



#11

Tert butyl alcohol

Concen: 20.704 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD065153.D

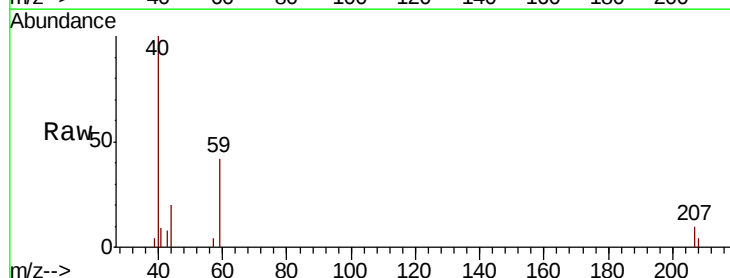
Acq: 11 Feb 2020 19:30

Tgt Ion: 59 Resp: 5658

Ion Ratio Lower Upper

59 100

57 2.7 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.24

2000

1500

1000

500

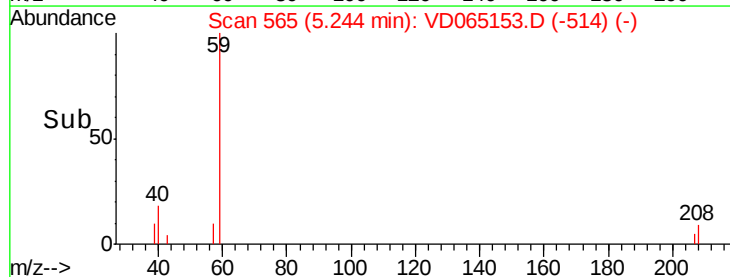
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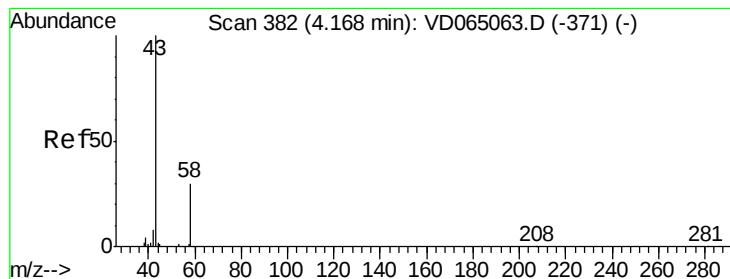
Time-->

5.10

5.20

5.30





#16

Acetone

Concen: 25.017 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065153.D

Acq: 11 Feb 2020 19:30

Instrument :

MSVOA_D

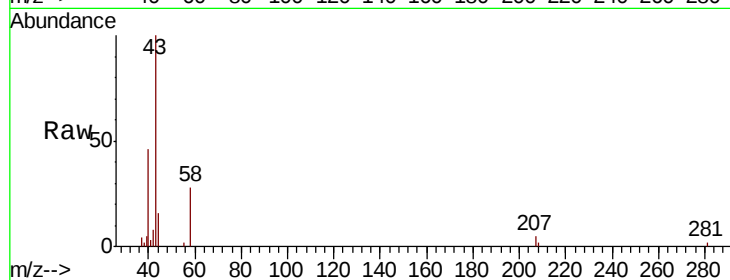
ClientSampleId :

Tot Ion: 43 Resp: 27975

Ion Ratio Lower Upper

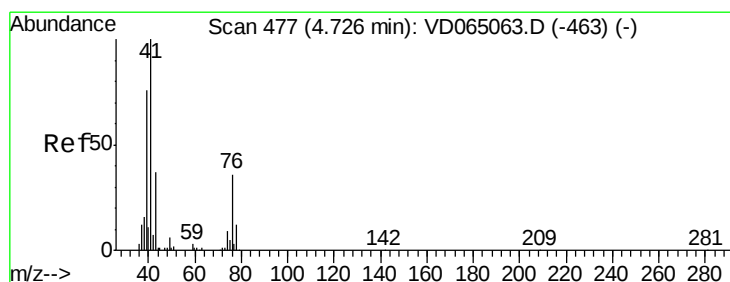
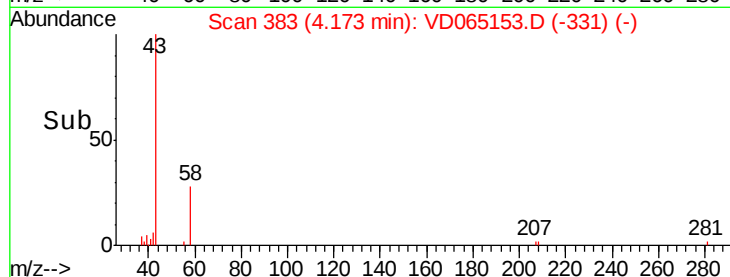
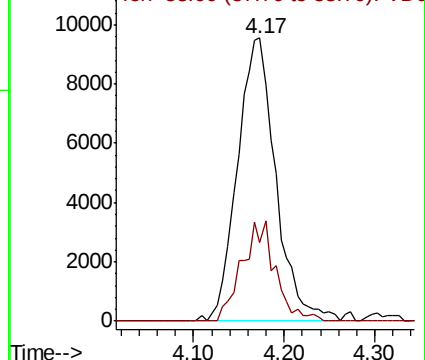
43 100

58 27.7 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: 1.820 ug/l

RT: 4.74 min Scan# 479

Delta R.T. 0.01 min

Lab File: VD065153.D

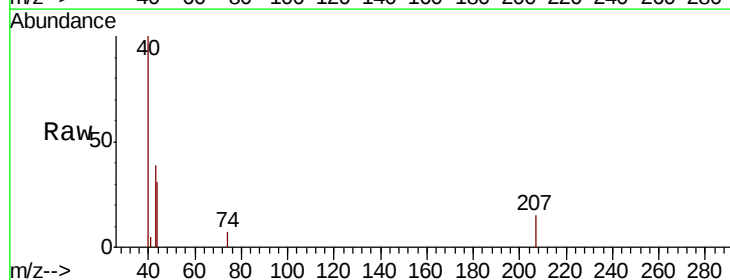
Acq: 11 Feb 2020 19:30

Tgt Ion: 43 Resp: 4252

Ion Ratio Lower Upper

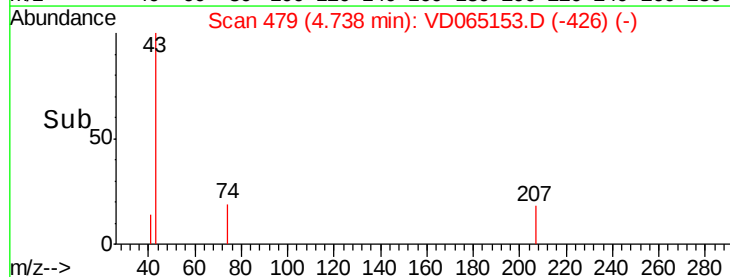
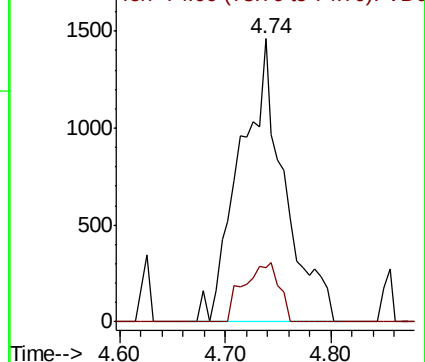
43 100

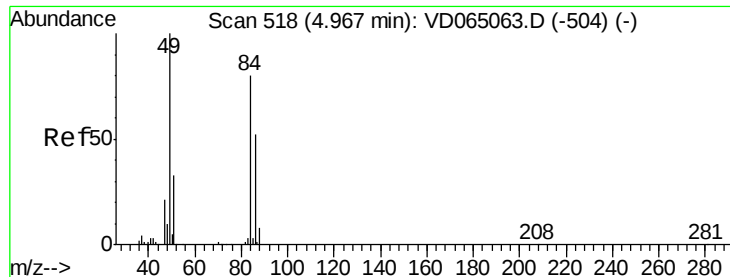
74 16.6 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

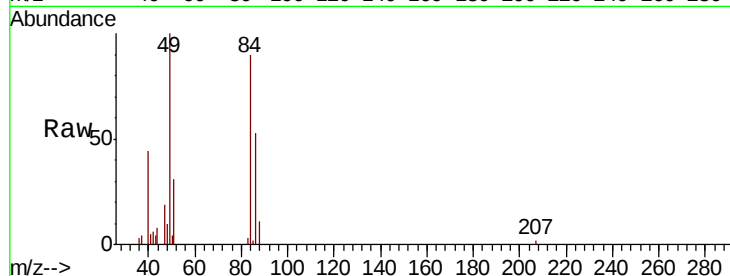




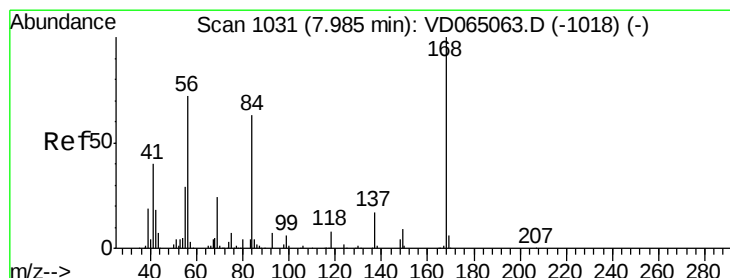
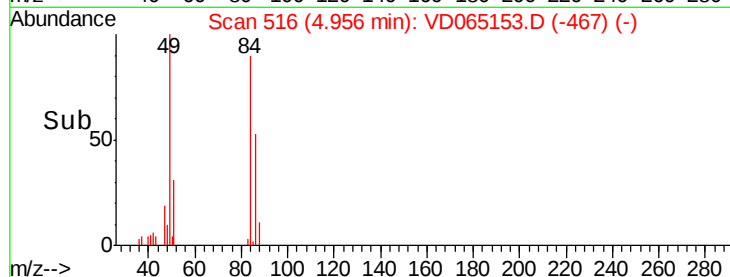
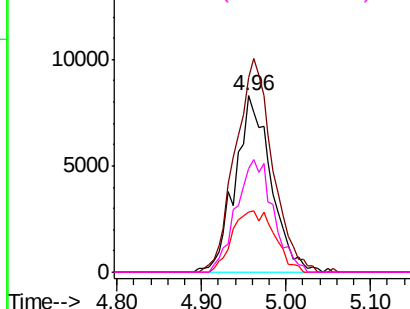
#20
Methvlene Chloride
Concen: 1.129 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065153.D
Acq: 11 Feb 2020 19:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 24522
Ion Ratio Lower Upper
84 100
49 110.8 100.4 150.6
51 34.3 32.7 49.1
86 59.2 52.4 78.6

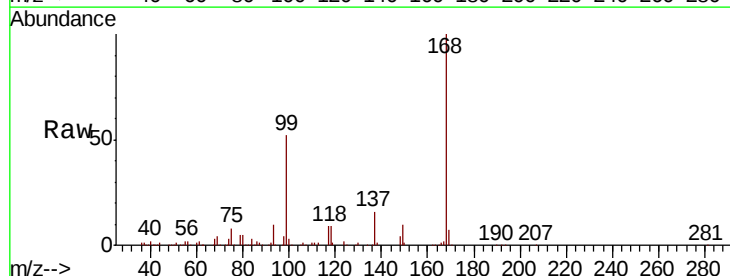


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

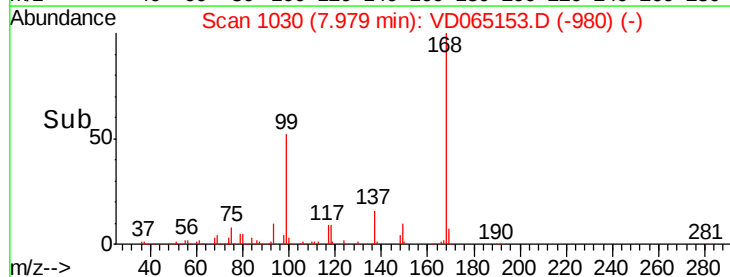
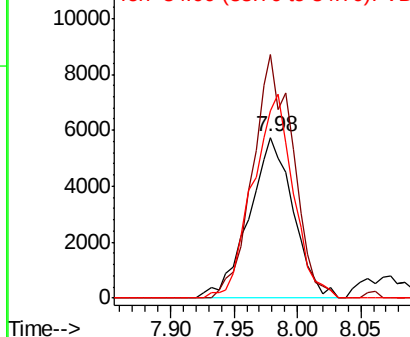


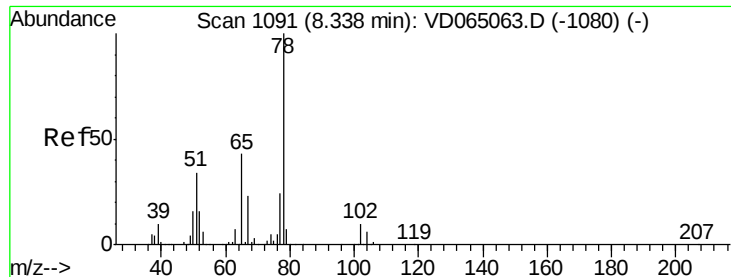
#31
Cyclohexane
Concen: 1.563 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065153.D
Acq: 11 Feb 2020 19:30

Tgt Ion: 56 Resp: 13908
Ion Ratio Lower Upper
56 100
69 151.2 26.6 40.0#
84 116.1 70.6 106.0#



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

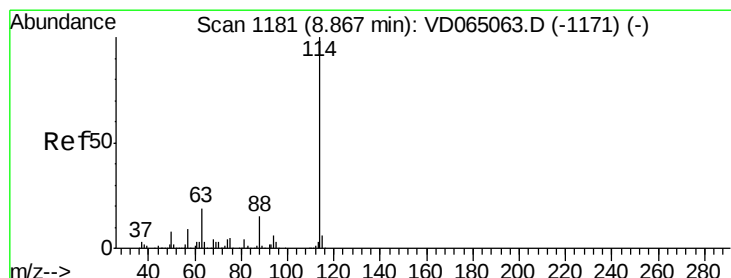
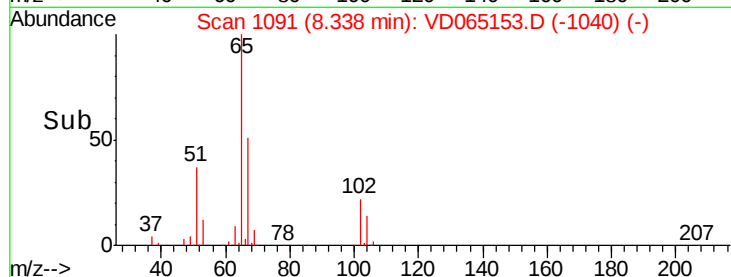
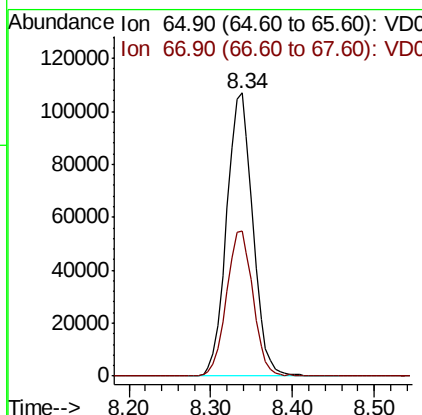
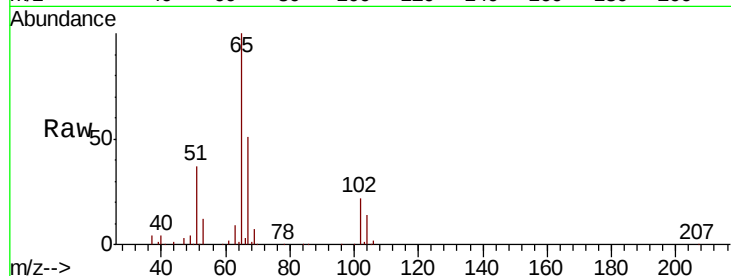




#33
 1,2-Dichloroethane-d4
 Concen: 53.442 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065153.D
 Acq: 11 Feb 2020 19:30

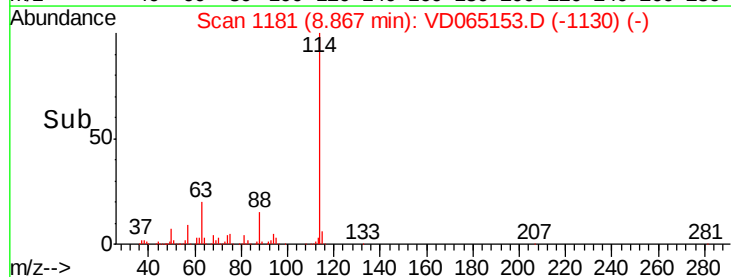
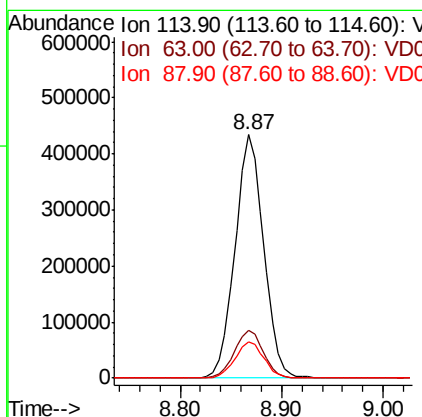
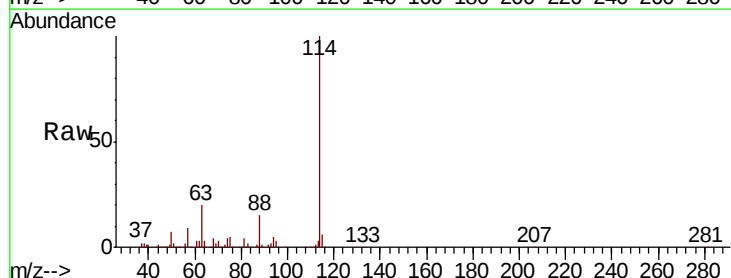
Instrument :
 MSVOA_D
 ClientSampleId :

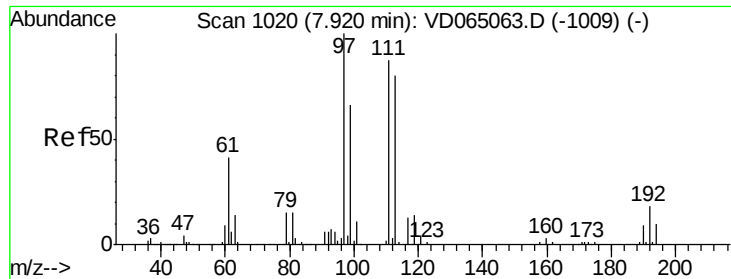
Tot Ion: 65 Resp: 239027
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065153.D
 Acq: 11 Feb 2020 19:30

Tgt Ion: 114 Resp: 851224
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.8
 88 14.8 0.0 29.6

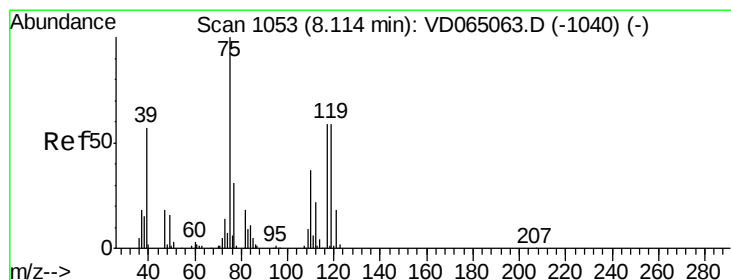
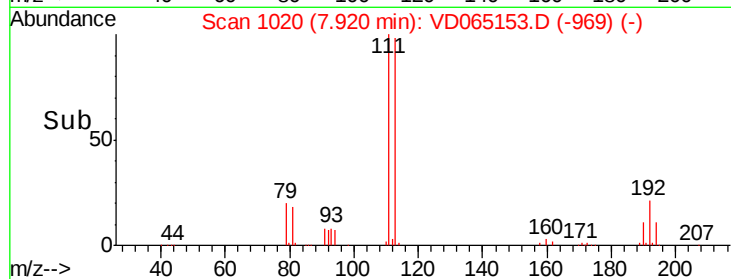
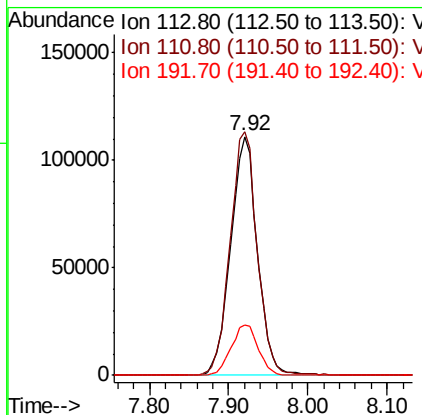
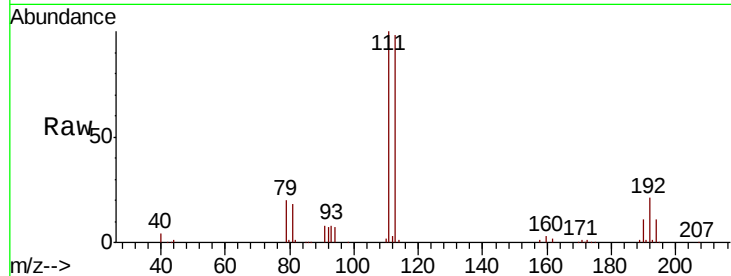




#35
 Dibromofluoromethane
 Concen: 54.560 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065153.D
 Acq: 11 Feb 2020 19:30

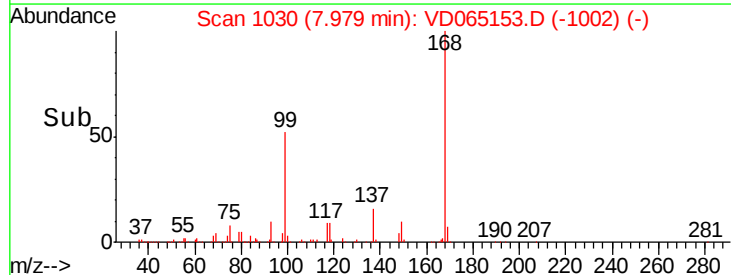
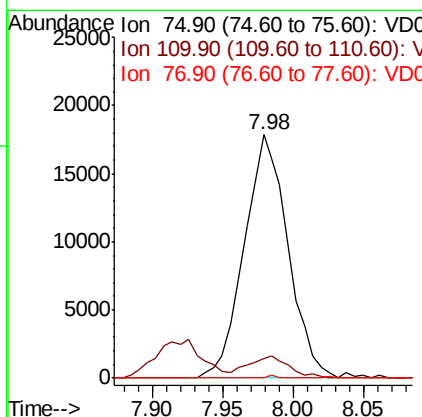
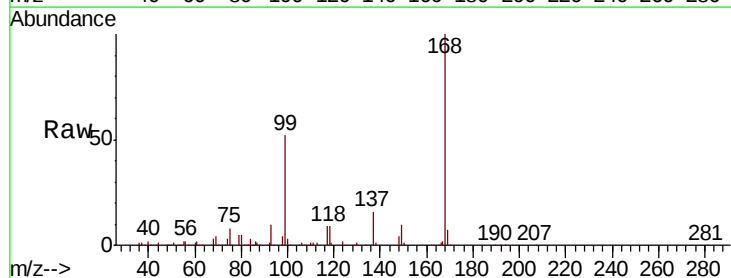
Instrument :
 MSVOA_D
 ClientSampled :

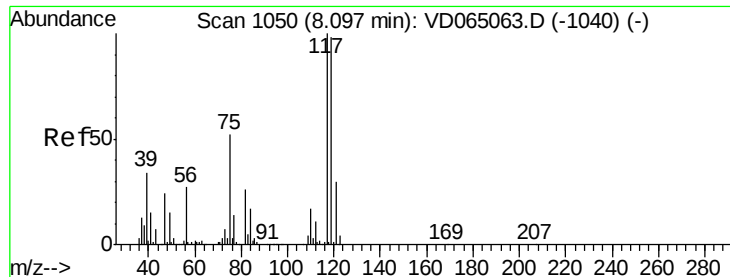
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.1	124.7
192	21.5	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.897 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065153.D
 Acq: 11 Feb 2020 19:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.3#
77	0.2	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.107 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065153.D

Acq: 11 Feb 2020 19:30

Instrument :

MSVOA_D

ClientSampleId :

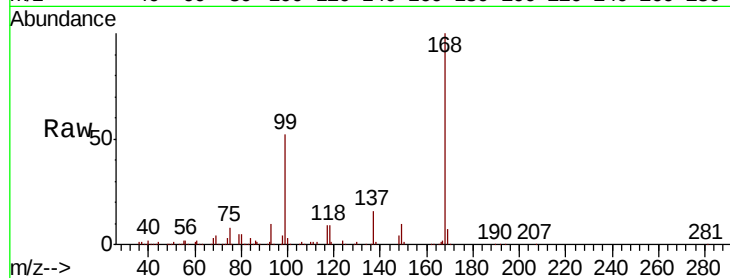
Tot Ion:117 Resp: 49370

Ion Ratio Lower Upper

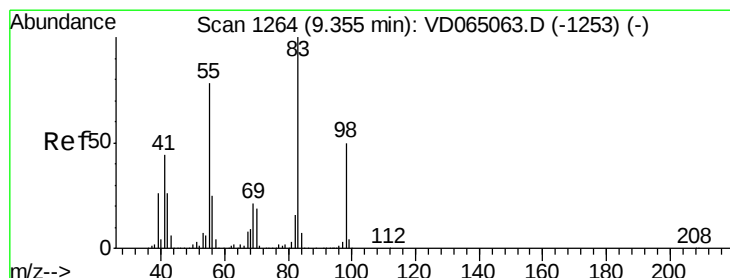
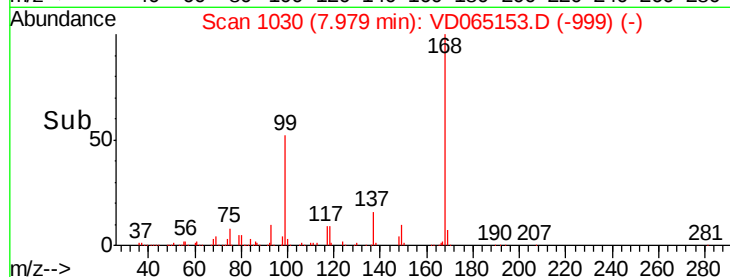
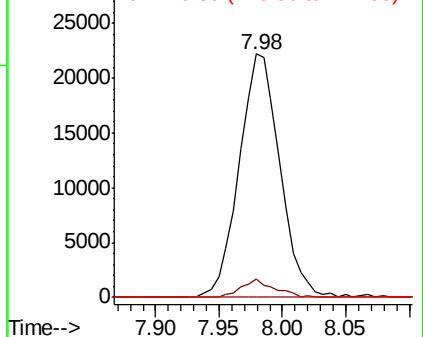
117 100

119 7.3 78.5 117.7#

121 0.0 23.8 35.6#



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



#39

Methylcyclohexane

Concen: 1.181 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD065153.D

Acq: 11 Feb 2020 19:30

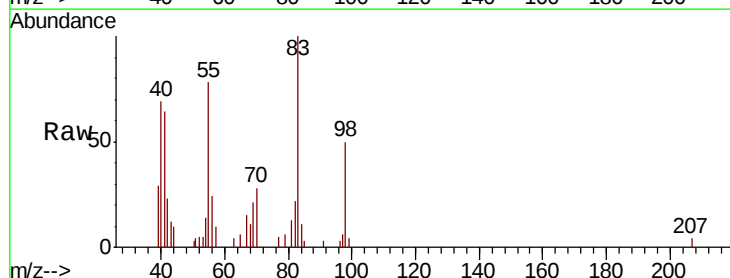
Tgt Ion: 83 Resp: 11543

Ion Ratio Lower Upper

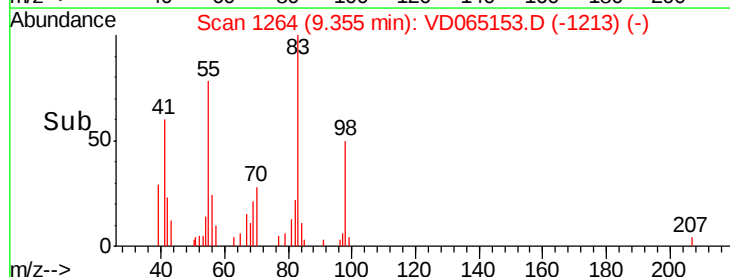
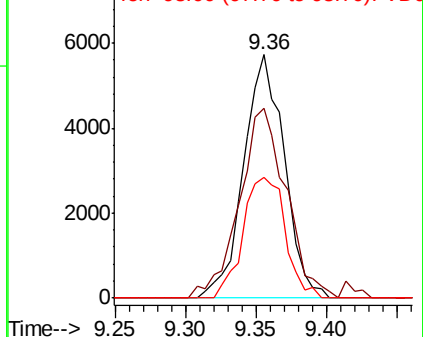
83 100

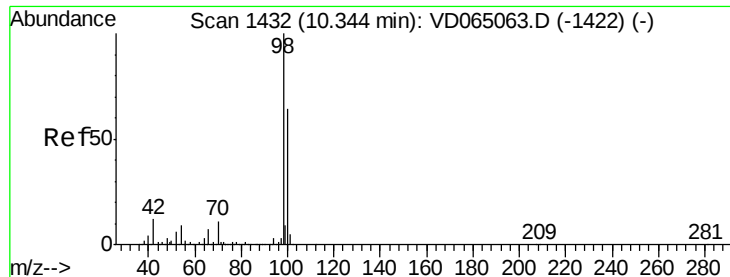
55 78.1 62.0 93.0

98 49.8 39.9 59.9



Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

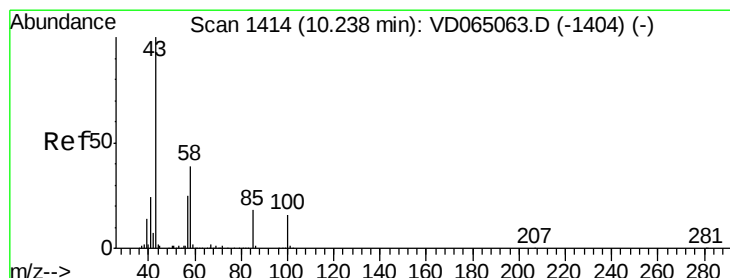
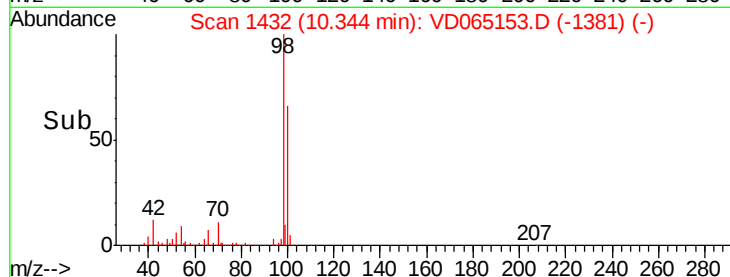
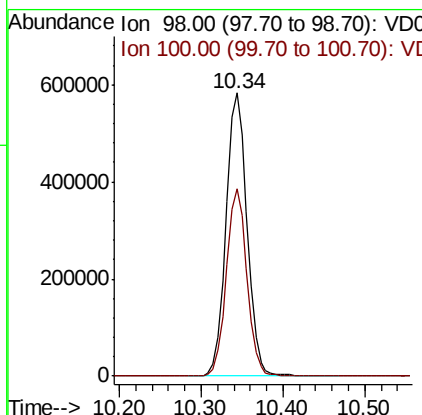
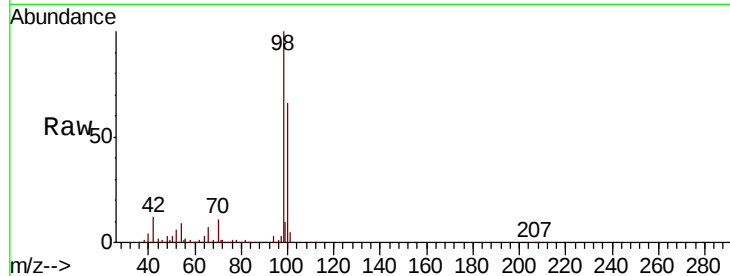




#50
Toluene-d8
Concen: 55.182 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065153.D
Acq: 11 Feb 2020 19:30

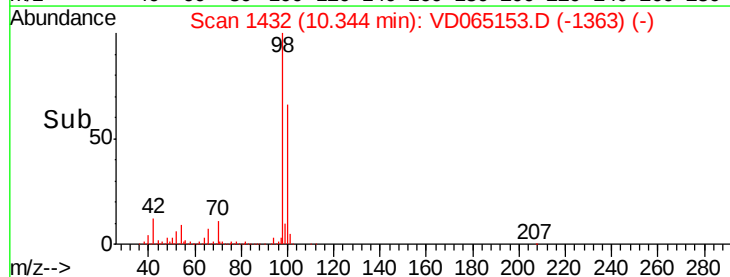
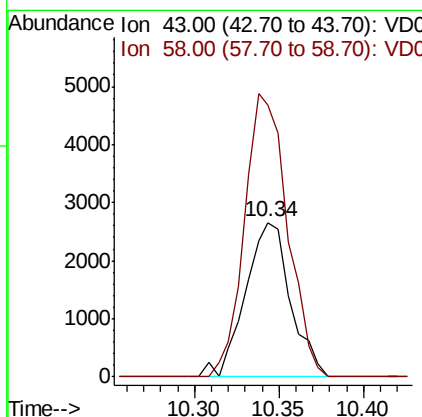
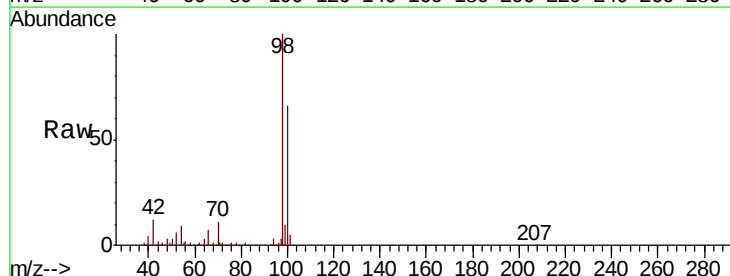
Instrument :
MSVOA_D
ClientSampleId :

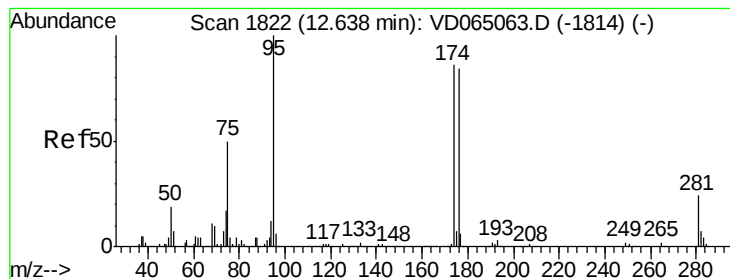
Tot Ion: 98 Resp: 1043146
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.613 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD065153.D
Acq: 11 Feb 2020 19:30

Tgt Ion: 43 Resp: 4911
Ion Ratio Lower Upper
43 100
58 174.3 30.2 45.2#





#62

4-Bromofluorobenzene

Concen: 66.991 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065153.D

Acq: 11 Feb 2020 19:30

Instrument :

MSVOA_D

ClientSampleId :

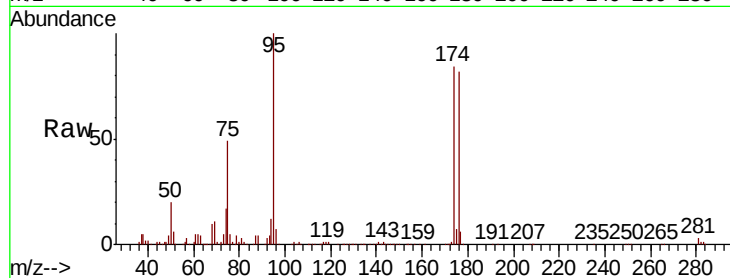
Tot Ion: 95 Resp: 401268

Ion Ratio Lower Upper

95 100

174 89.6 0.0 180.0

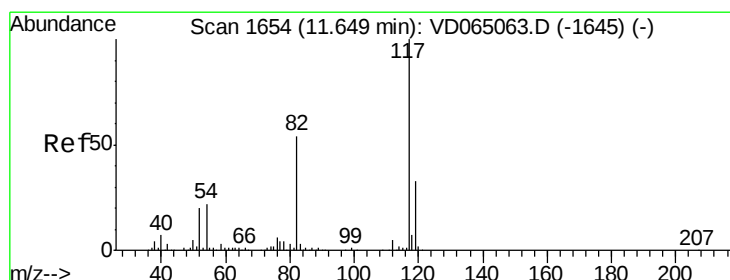
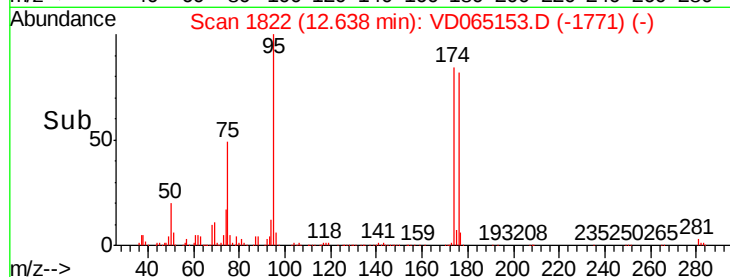
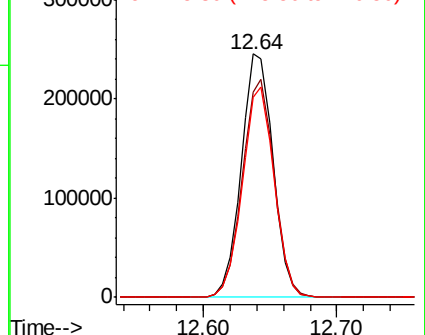
176 86.3 0.0 173.2



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: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065153.D

Acq: 11 Feb 2020 19:30

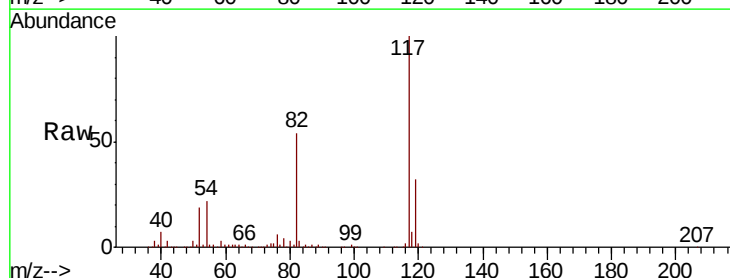
Tgt Ion: 117 Resp: 892918

Ion Ratio Lower Upper

117 100

82 54.1 43.1 64.7

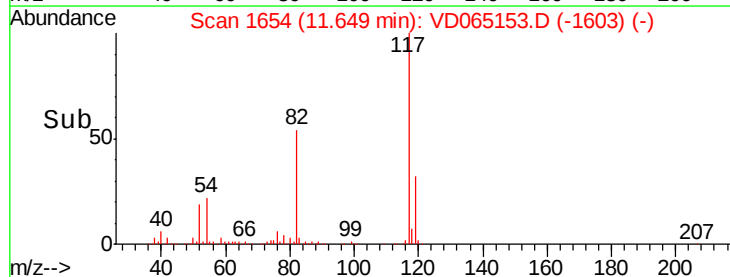
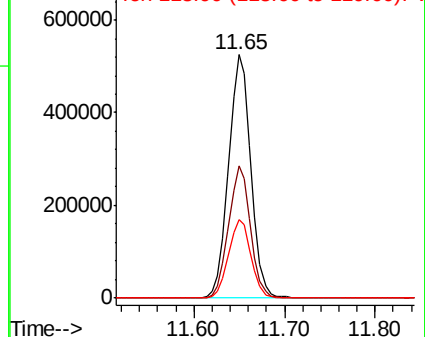
119 32.0 26.0 39.0

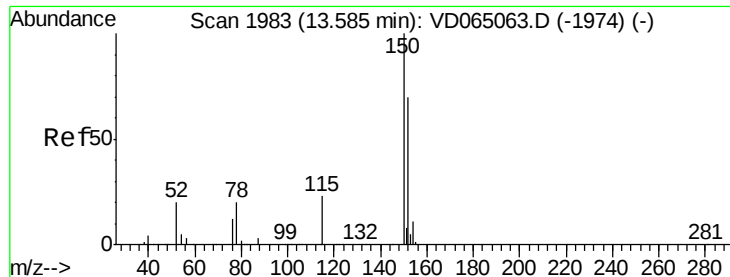


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



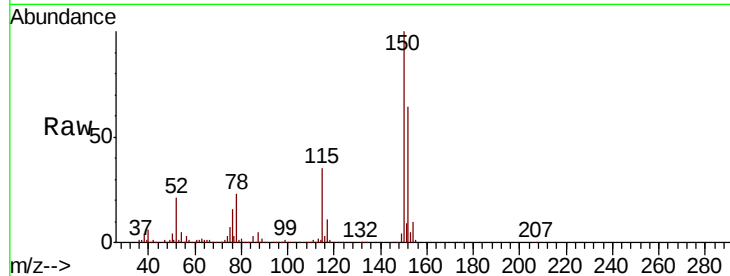


#72

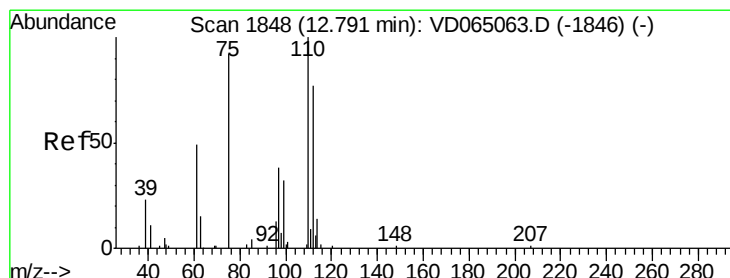
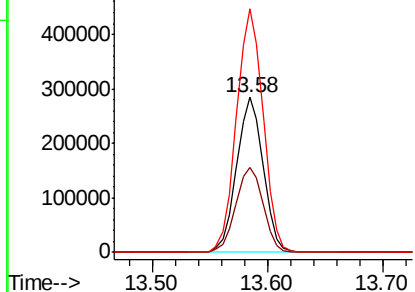
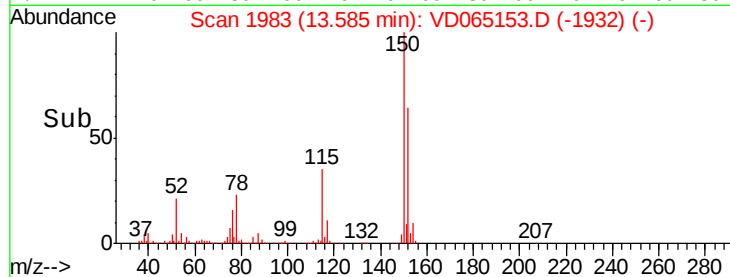
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065153.D
Acq: 11 Feb 2020 19:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.3	27.5	82.4
150	157.6	0.0	343.2



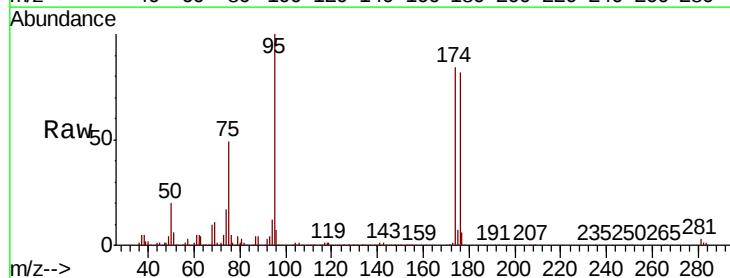
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



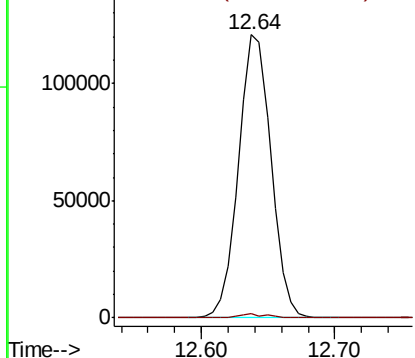
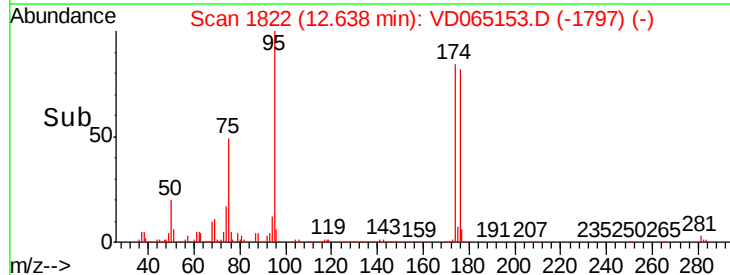
#76

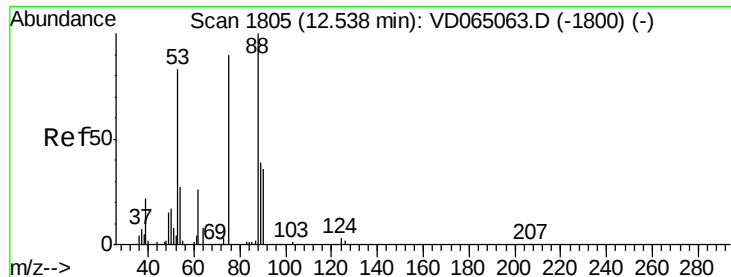
1,2,3-Trichloropropane
Concen: 59.556 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065153.D
Acq: 11 Feb 2020 19:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	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: 119.107 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065153.D

Acq: 11 Feb 2020 19:30

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 203826

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 37.0 55.4#

