

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065150.D
 Acq On : 11 Feb 2020 18:03
 Operator : VA/SY
 Sample : L1491-05
 Misc : 8.25G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 12 06:58:59 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	578632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	937673	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	994218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	507381	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	248402	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
35) Dibromofluoromethane	7.92	113	276151	52.78	ug/l	0.00
Spiked Amount			Recovery	=	105.56%	
50) Toluene-d8	10.34	98	1179177	56.63	ug/l	0.00
Spiked Amount			Recovery	=	113.26%	
62) 4-Bromofluorobenzene	12.64	95	463029	70.18	ug/l	0.00
Spiked Amount			Recovery	=	140.36%	

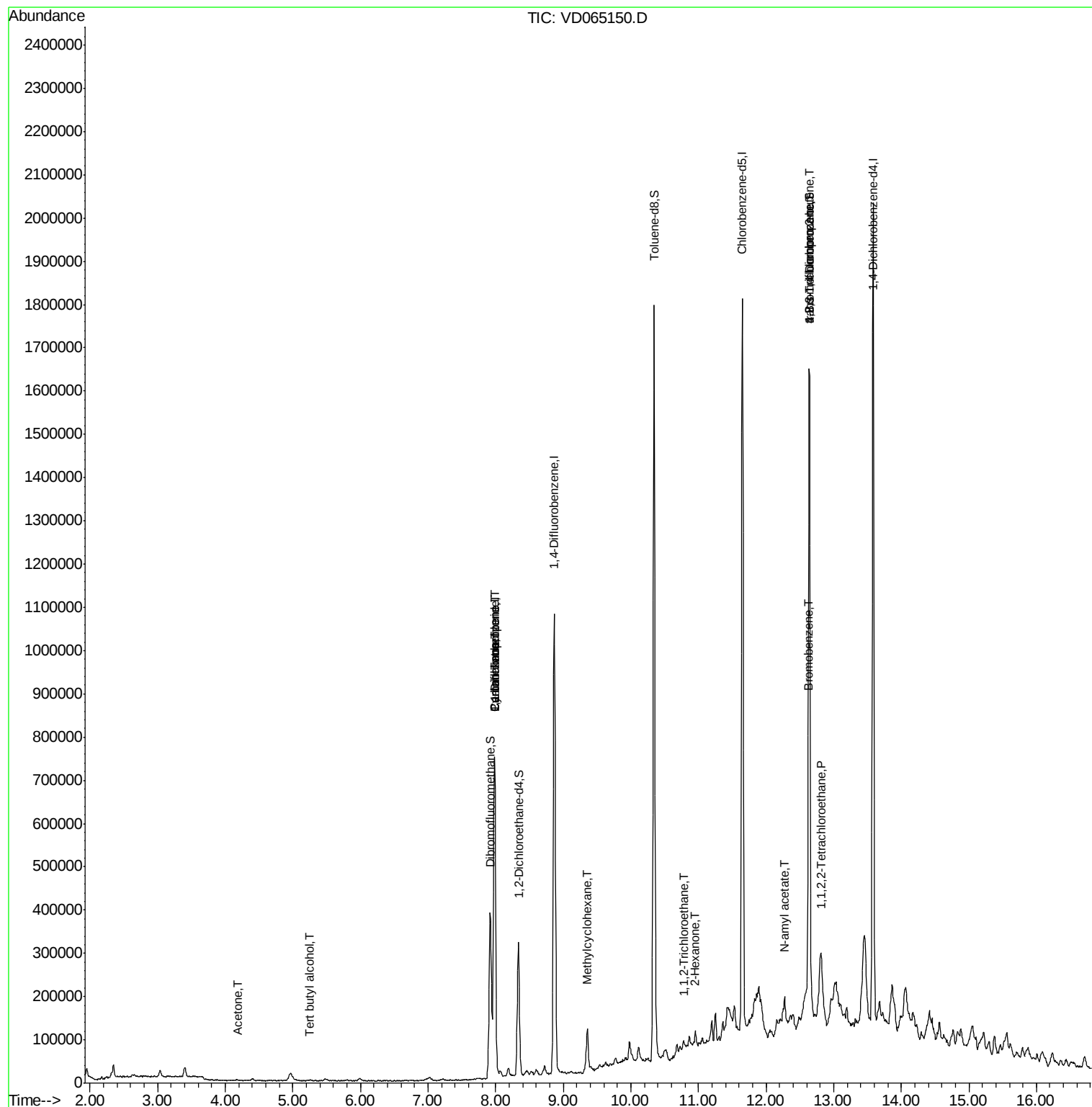
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	3040	10.117	ug/l #	71
16) Acetone	4.18	43	4056	3.299	ug/l #	45
20) Methylene Chloride	4.96	84	5670	Below Cal		92
31) Cyclohexane	7.98	56	20836	2.130	ug/l #	26
36) 1,1-Dichloropropene	7.98	75	40828	4.683	ug/l #	49
38) Carbon Tetrachloride	7.98	117	54143	6.080	ug/l #	15
39) Methylcyclohexane	9.36	83	41379	3.845	ug/l	96
55) 1,1,2-Trichloroethane	10.78	97	9977	2.398	ug/l #	24
58) 2-Chloroethyl Vinyl ether	9.75	63	441	Below Cal		98
59) 2-Hexanone	10.96	43	12977	5.463	ug/l #	34
74) N-amyl acetate	12.27	43	12843	1.697	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.81	83	39050	7.125	ug/l #	27
76) 1,2,3-Trichloropropane	12.64	75	243392	63.360	ug/l #	100
77) Bromobenzene	12.62	156	40284	4.801	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	243392	126.715	ug/l #	11

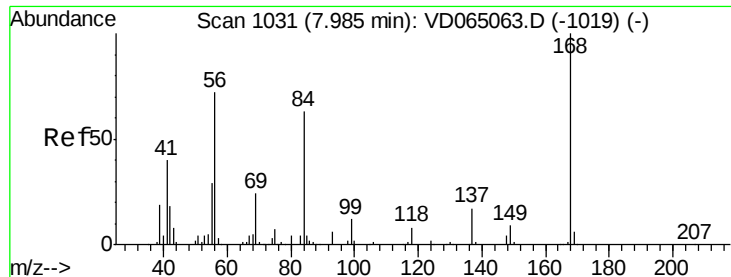
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021120\
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Operator : VA/SY
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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# 1031

Delta R.T. -0.00 min

Lab File: VD065150.D

Acq: 11 Feb 2020 18:03

Instrument :

MSVOA_D

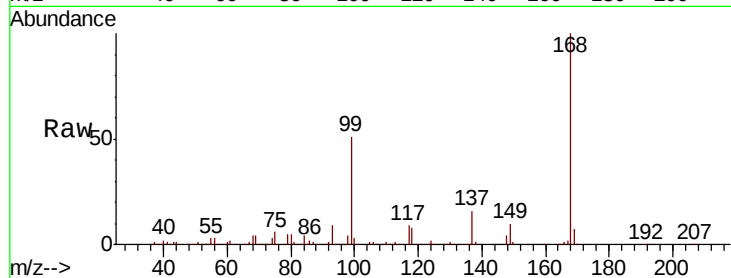
ClientSampled :

Tot Ion:168 Resp: 578632

Ion Ratio Lower Upper

168 100

99 51.2 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

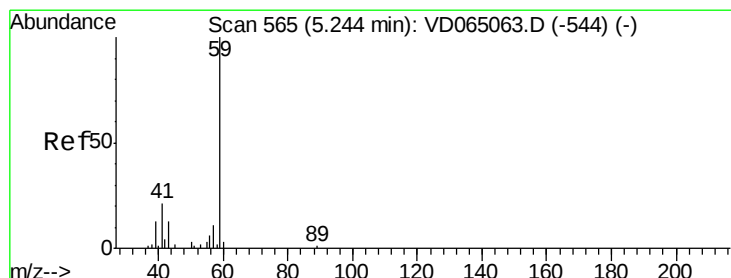
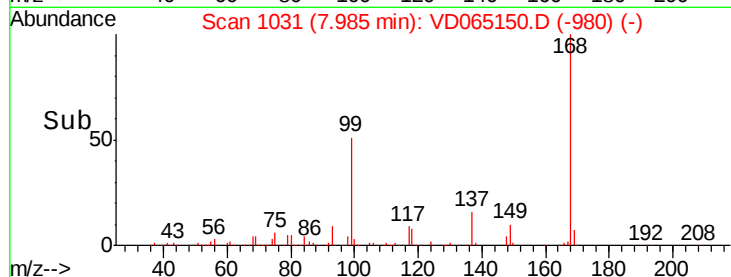
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 10.117 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD065150.D

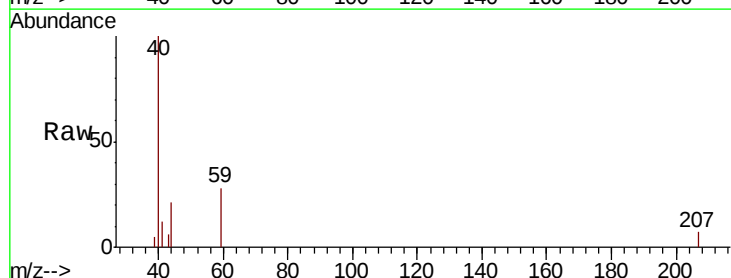
Acq: 11 Feb 2020 18:03

Tgt Ion: 59 Resp: 3040

Ion Ratio Lower Upper

59 100

57 0.0 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

1200

1000

800

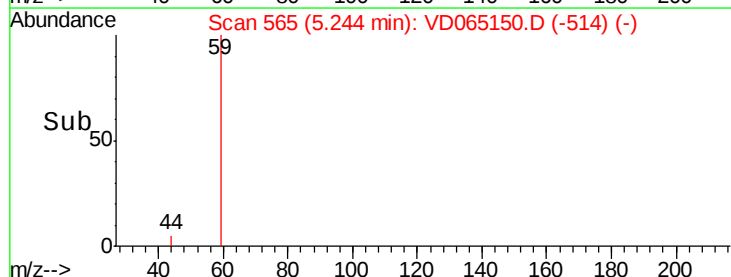
600

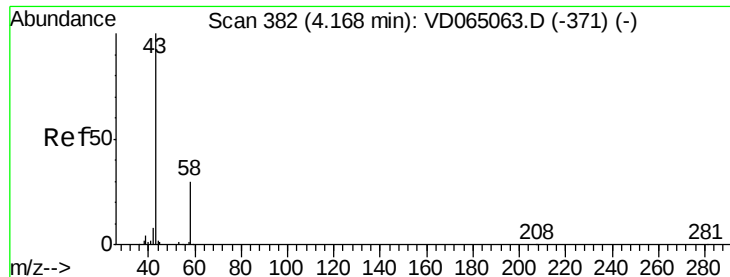
400

200

0

Time-->





#16

Acetone

Concen: 3.299 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD065150.D

Acq: 11 Feb 2020 18:03

Instrument :

MSVOA_D

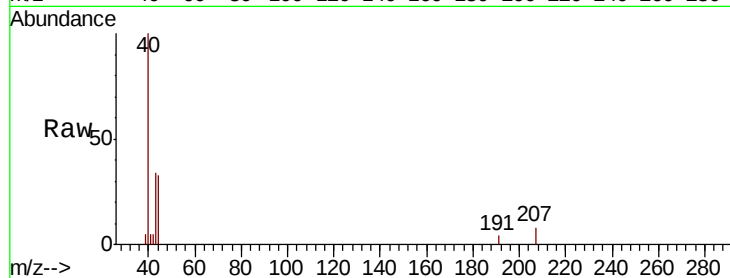
ClientSampleId :

Tot Ion: 43 Resp: 4056

Ion Ratio Lower Upper

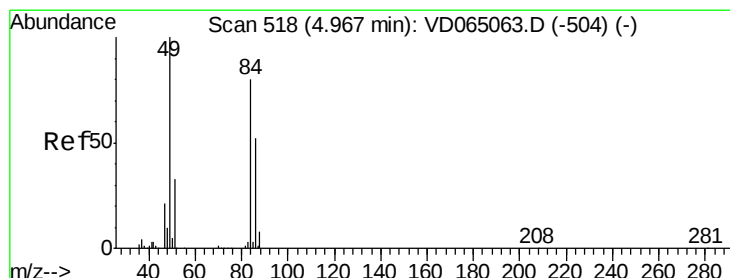
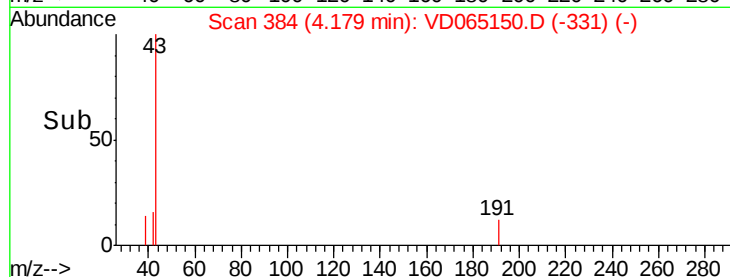
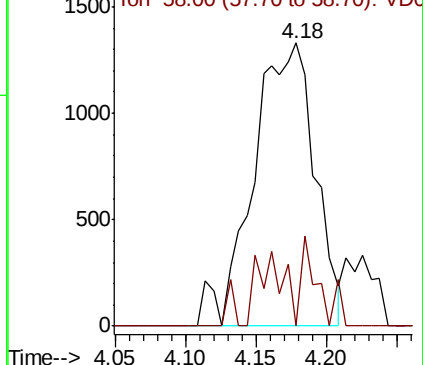
43 100

58 0.0 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD065150.D

Acq: 11 Feb 2020 18:03

Tgt Ion: 84 Resp: 5670

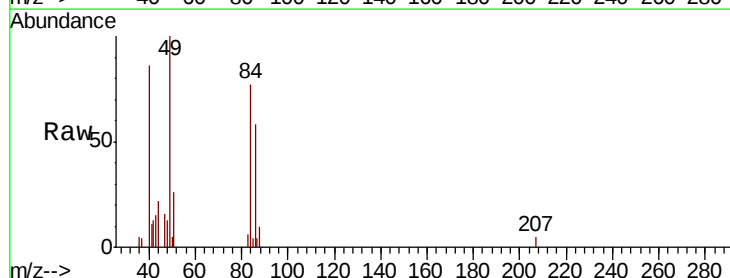
Ion Ratio Lower Upper

84 100

49 130.4 100.4 150.6

51 33.6 32.7 49.1

86 75.9 52.4 78.6

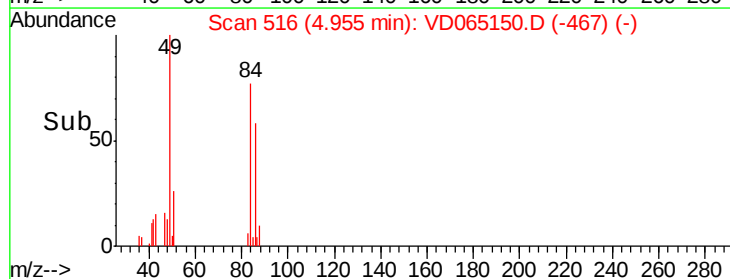
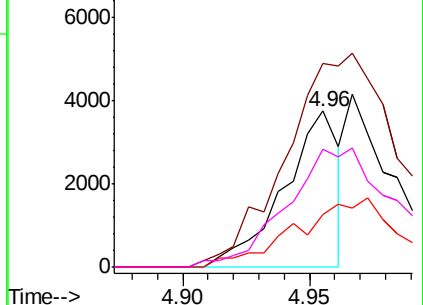


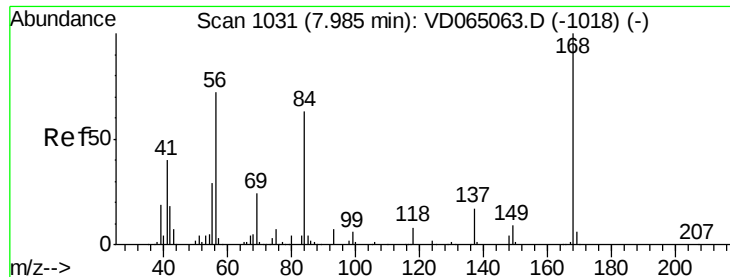
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

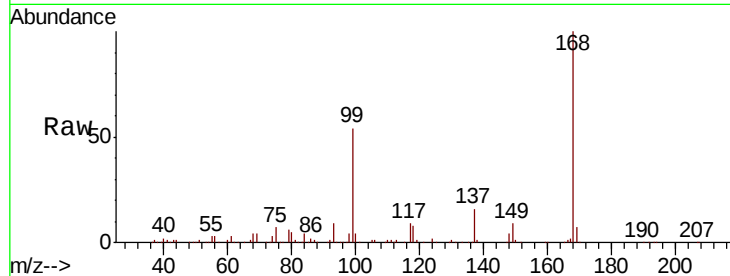




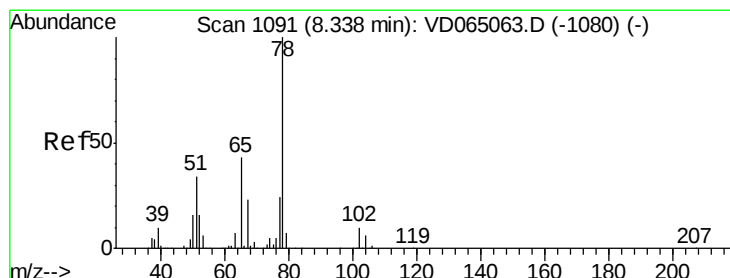
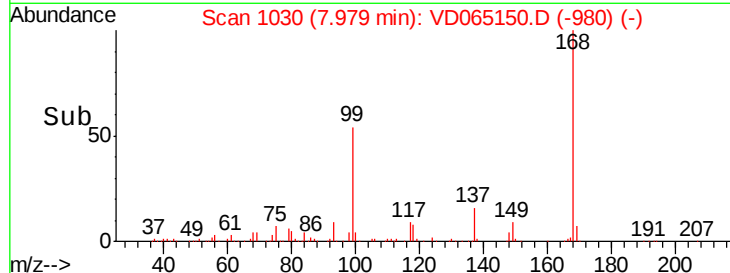
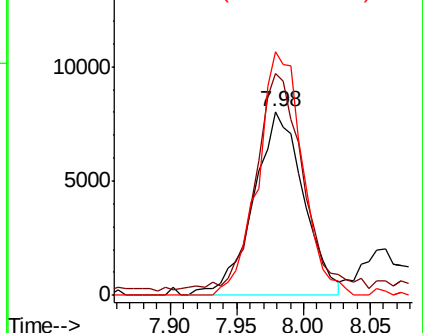
#31
Cyclohexane
Concen: 2.130 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065150.D
Acq: 11 Feb 2020 18:03

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 56 Resp: 20836
Ion Ratio Lower Upper
56 100
69 116.2 26.6 40.0#
84 132.5 70.6 106.0#

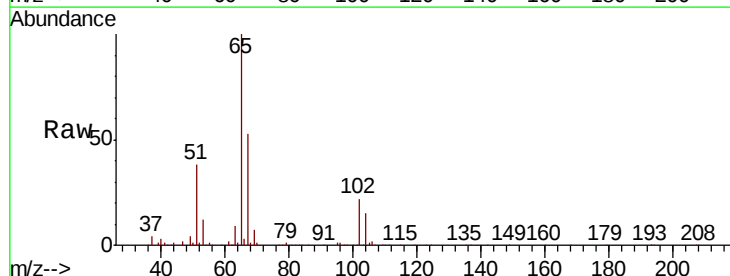


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

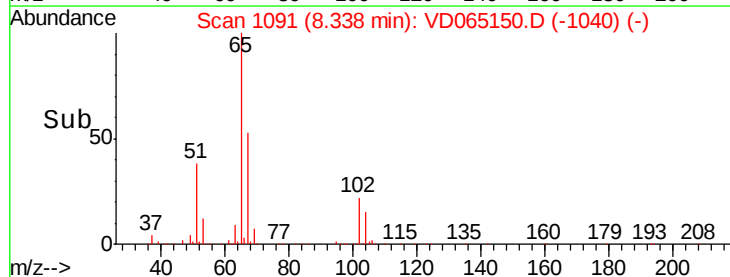
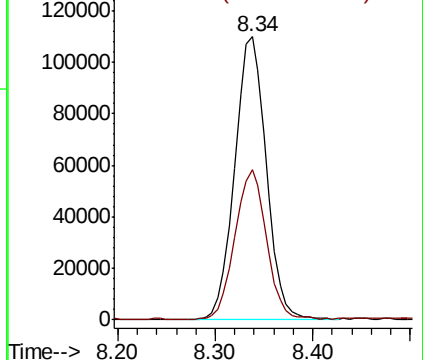


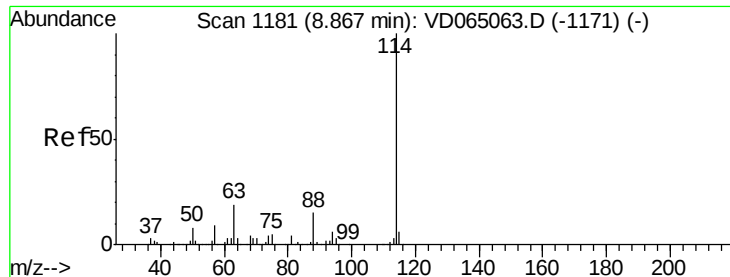
#33
1,2-Dichloroethane-d4
Concen: 50.510 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD065150.D
Acq: 11 Feb 2020 18:03

Tgt Ion: 65 Resp: 248402
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

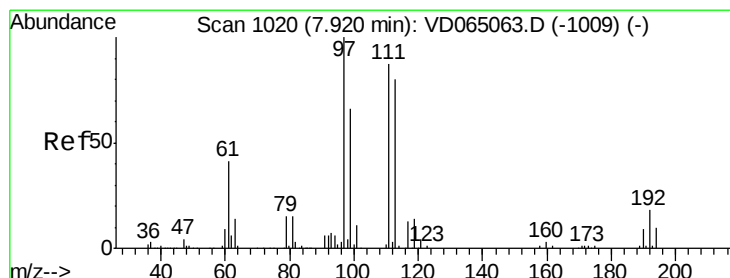
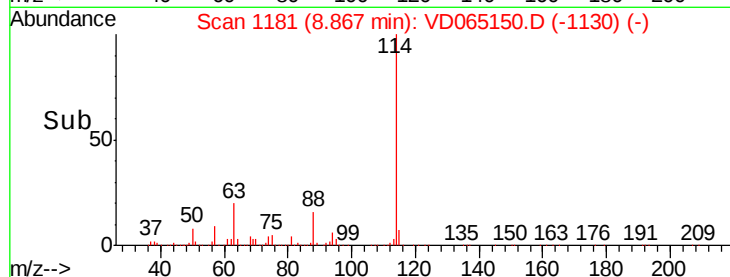
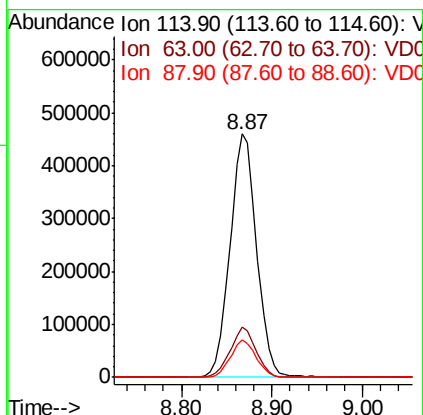
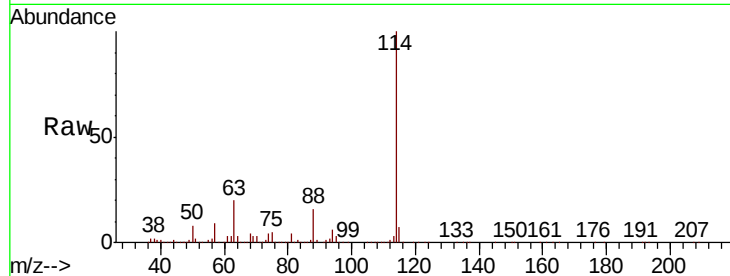




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065150.D
 Acq: 11 Feb 2020 18:03

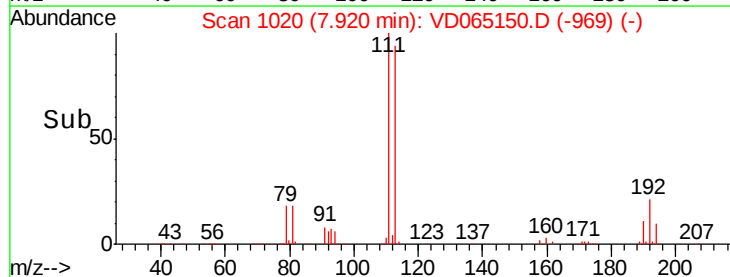
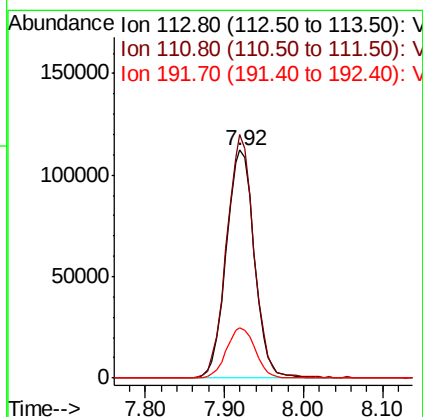
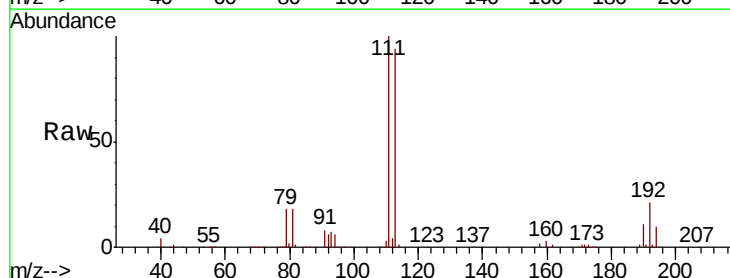
Instrument :
 MSVOA_D
 ClientSampleId :

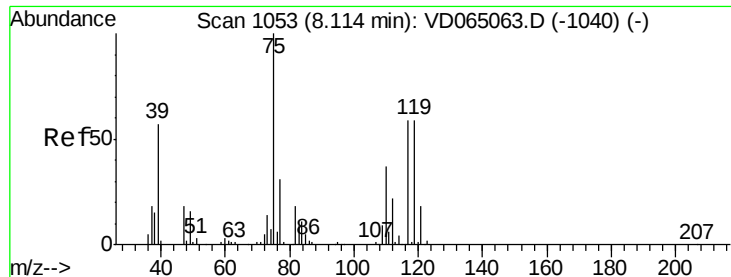
Tot Ion:114 Resp: 937673
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 38.8
 88 15.6 0.0 29.6



#35
 Dibromofluoromethane
 Concen: 52.785 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065150.D
 Acq: 11 Feb 2020 18:03

Tgt Ion:113 Resp: 276151
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.1 124.7
 192 22.5 18.1 27.1

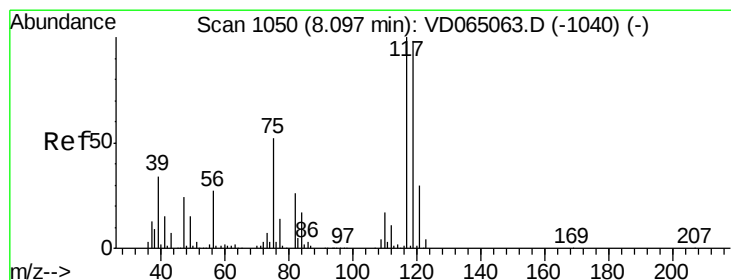
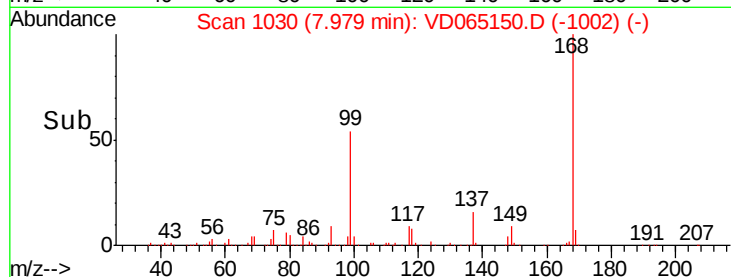
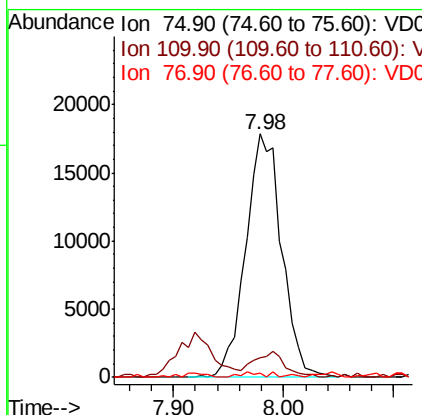
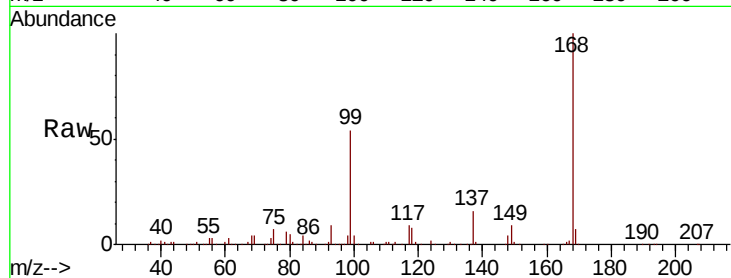




#36
 1,1-Dichloropropene
 Concen: 4.683 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065150.D
 Acq: 11 Feb 2020 18:03

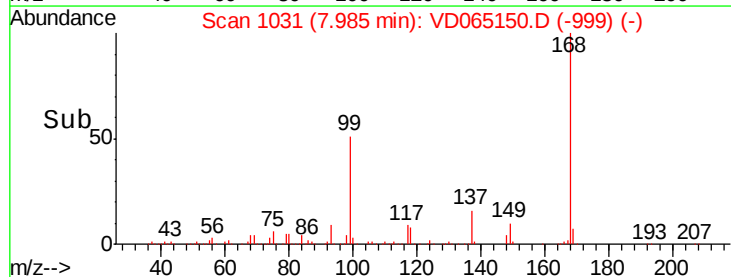
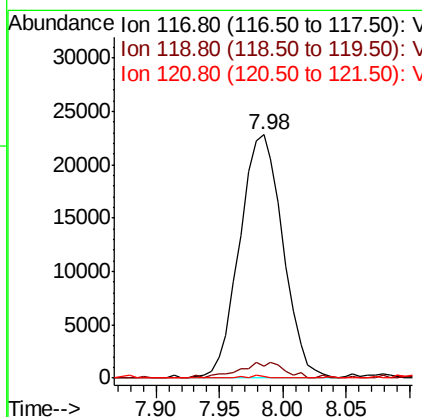
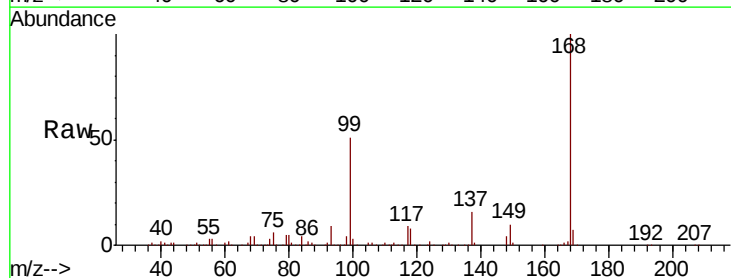
Instrument :
 MSVOA_D
 ClientSampleID :

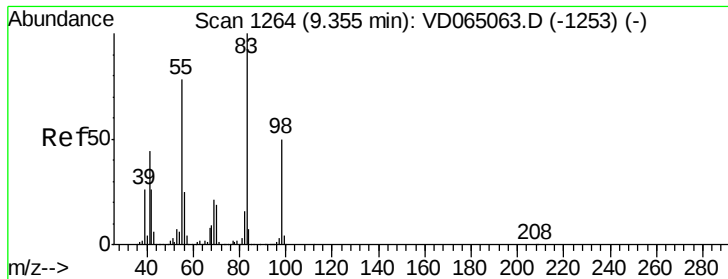
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.080 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065150.D
 Acq: 11 Feb 2020 18:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	78.5	117.7#
121	0.9	23.8	35.6#

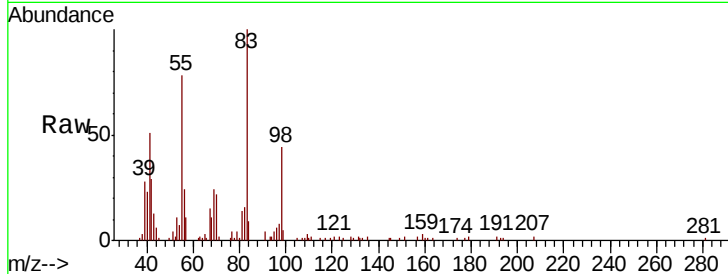




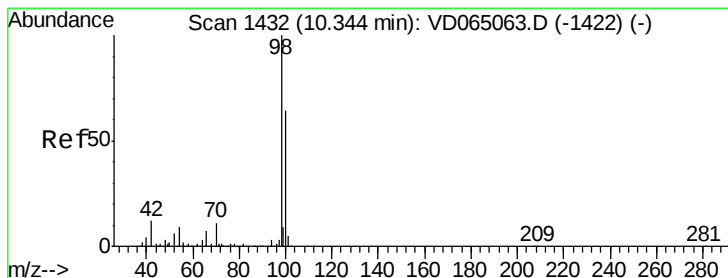
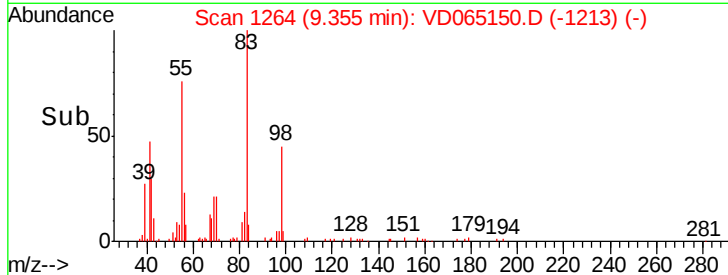
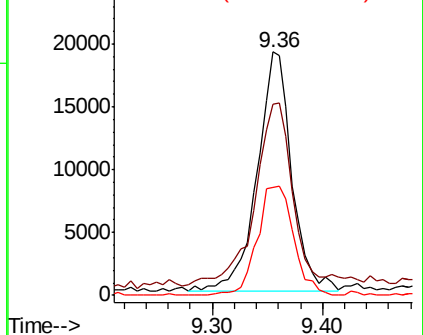
#39
Methvlcvclohexane
Concen: 3.845 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065150.D
Acq: 11 Feb 2020 18:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 41379
Ion Ratio Lower Upper
83 100
55 75.6 62.0 93.0
98 45.0 39.9 59.9

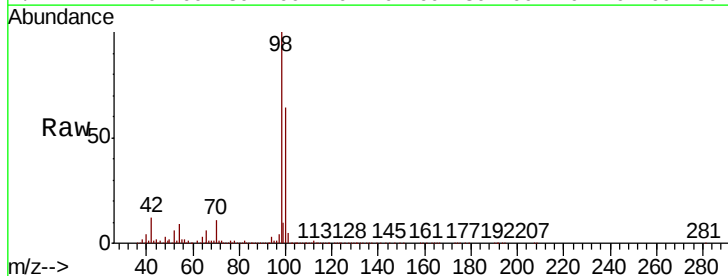


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

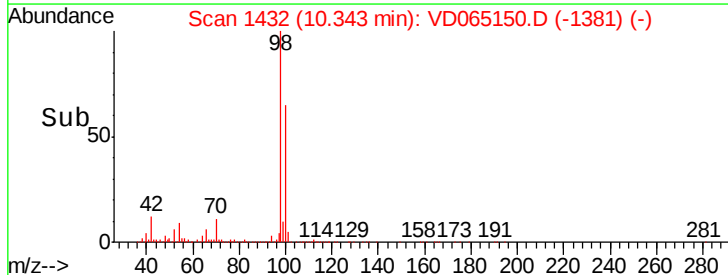
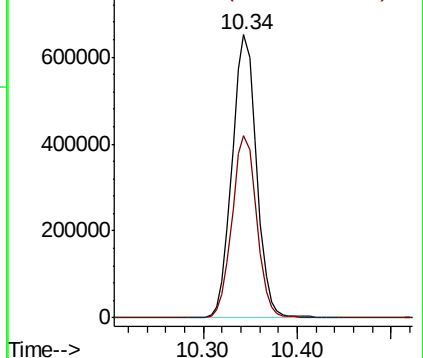


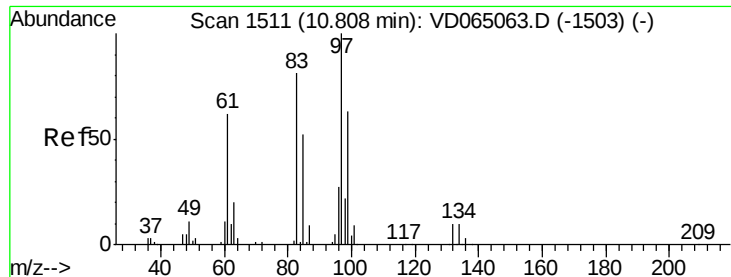
#50
Toluene-d8
Concen: 56.627 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065150.D
Acq: 11 Feb 2020 18:03

Tgt Ion: 98 Resp: 1179177
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

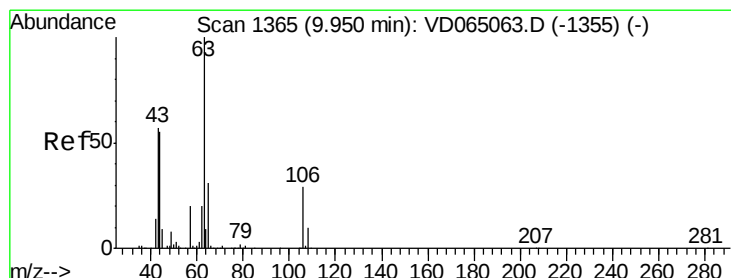
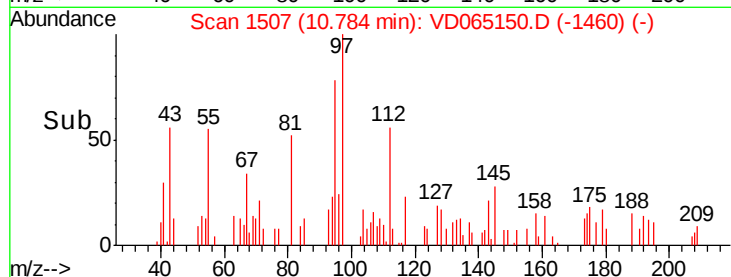
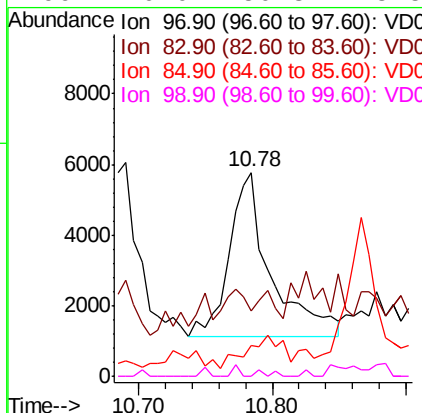
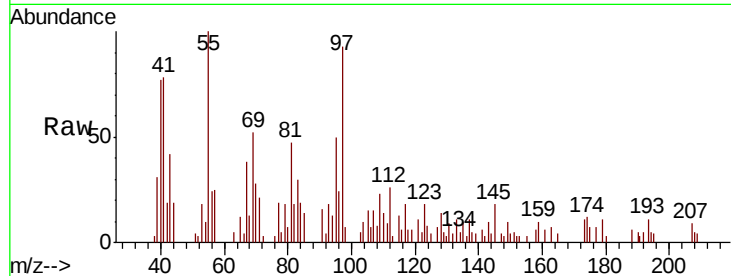




#55
 1,1,2-Trichloroethane
 Concen: 2.398 ug/l
 RT: 10.78 min Scan# 1507
 Delta R.T. -0.02 min
 Lab File: VD065150.D
 Acq: 11 Feb 2020 18:03

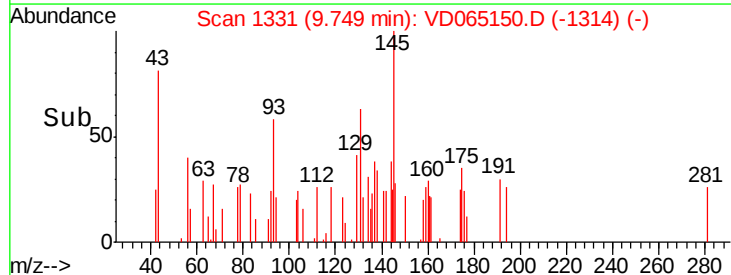
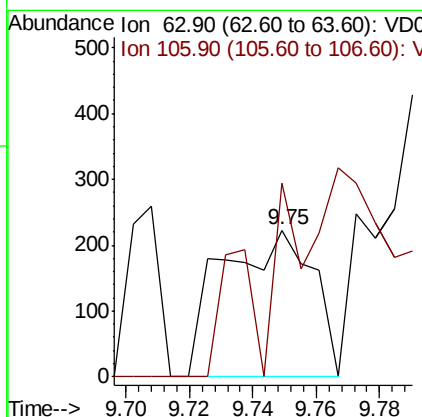
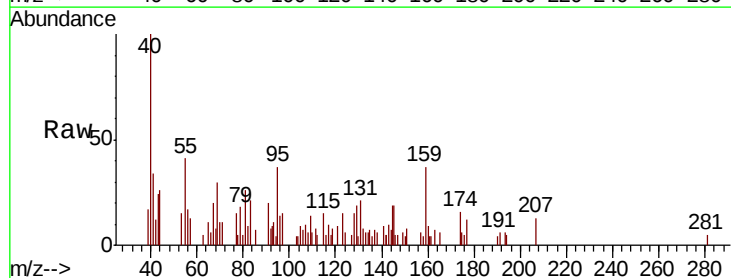
Instrument :
 MSVOA_D
 ClientSampleID :

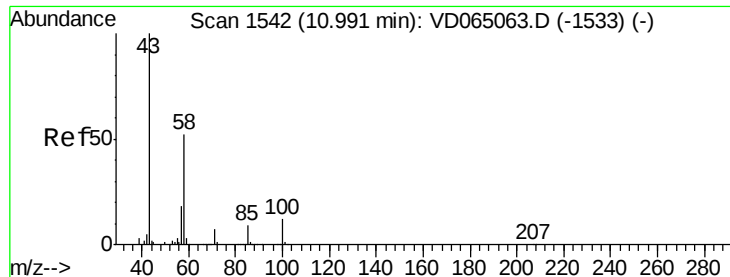
Tot Ion: 97 Resp: 9977
 Ion Ratio Lower Upper
 97 100
 83 9.2 64.8 97.2#
 85 8.0 41.2 61.8#
 99 0.0 50.3 75.5#



#58
 2-Chloroethyl Vinyl ether
 Concen: Below Cal
 RT: 9.75 min Scan# 1331
 Delta R.T. -0.20 min
 Lab File: VD065150.D
 Acq: 11 Feb 2020 18:03

Tgt Ion: 63 Resp: 441
 Ion Ratio Lower Upper
 63 100
 106 30.4 23.3 34.9





#59

2-Hexanone

Concen: 5.463 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. -0.04 min

Lab File: VD065150.D

Acq: 11 Feb 2020 18:03

Instrument :

MSVOA_D

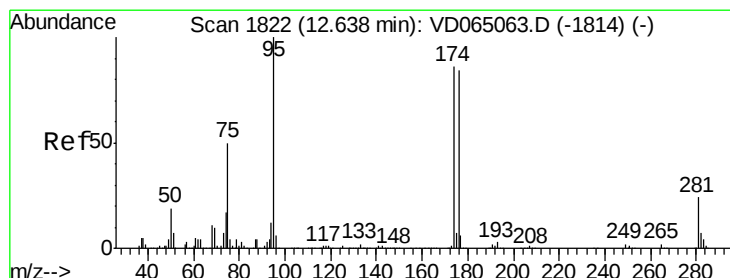
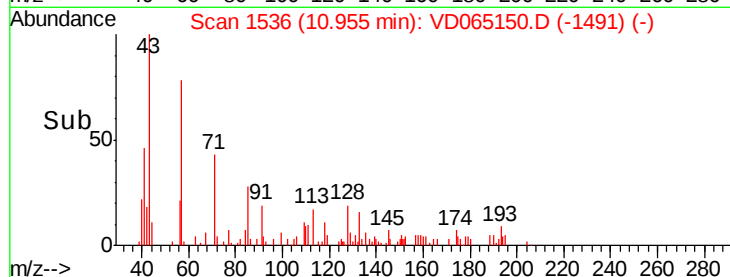
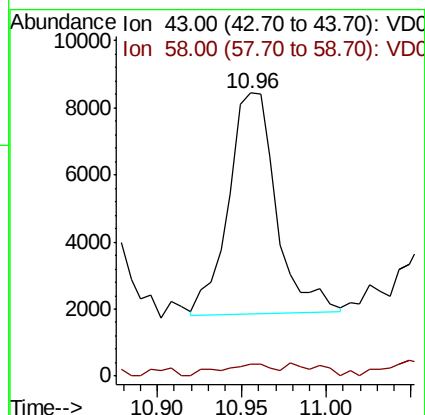
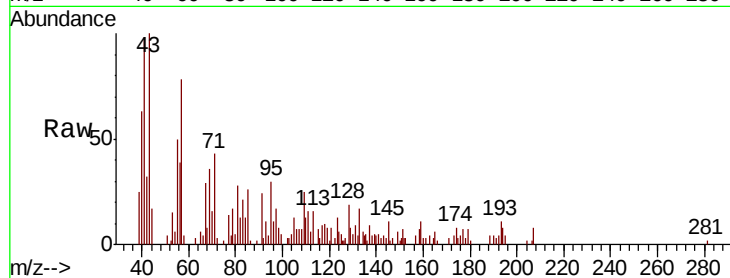
ClientSampleId :

Tot Ion: 43 Resp: 12977

Ion Ratio Lower Upper

43 100

58 6.2 26.2 78.6#



#62

4-Bromofluorobenzene

Concen: 70.175 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065150.D

Acq: 11 Feb 2020 18:03

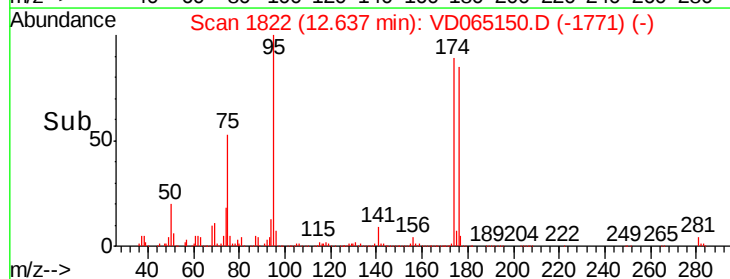
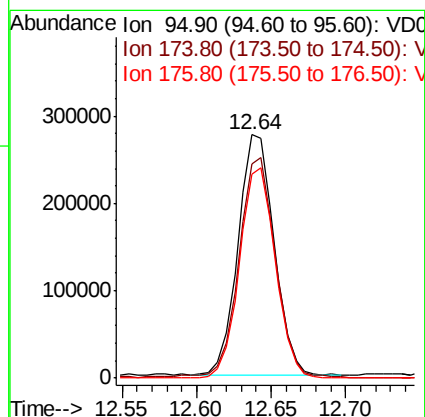
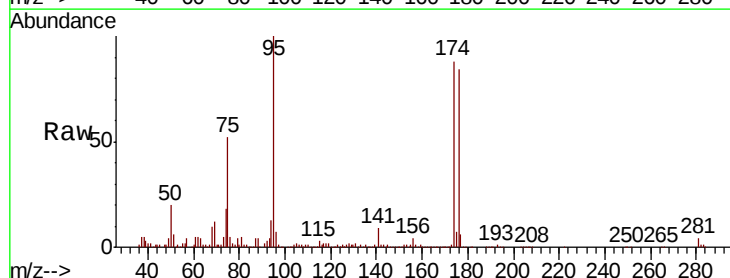
Tgt Ion: 95 Resp: 463029

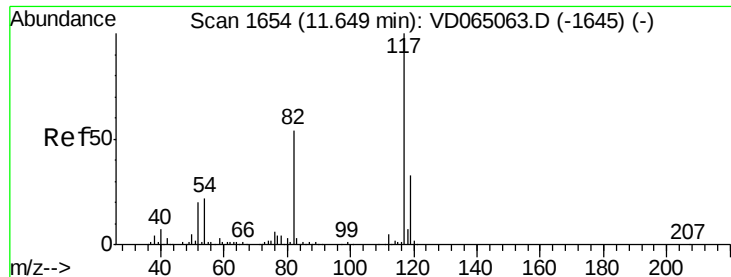
Ion Ratio Lower Upper

95 100

174 93.1 0.0 180.0

176 86.8 0.0 173.2

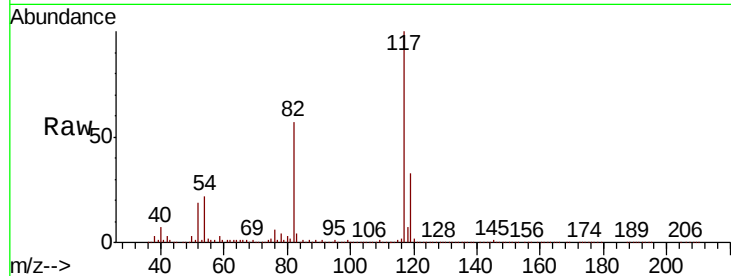




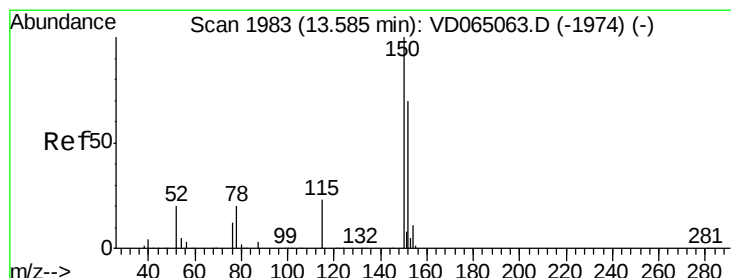
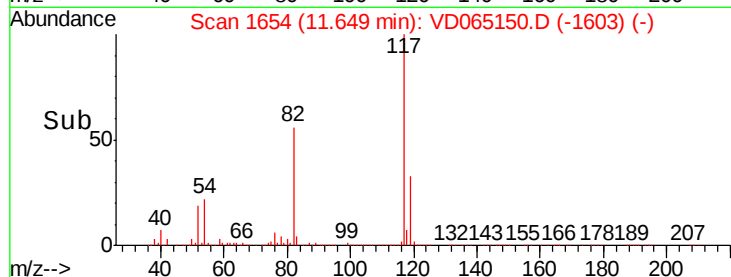
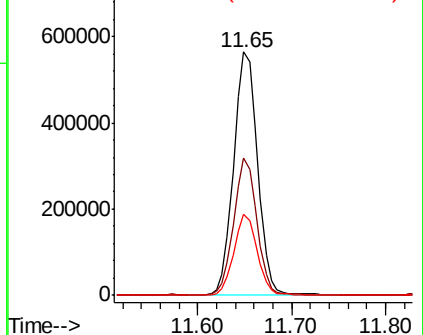
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065150.D
Acq: 11 Feb 2020 18:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	43.1	64.7
119	33.2	26.0	39.0

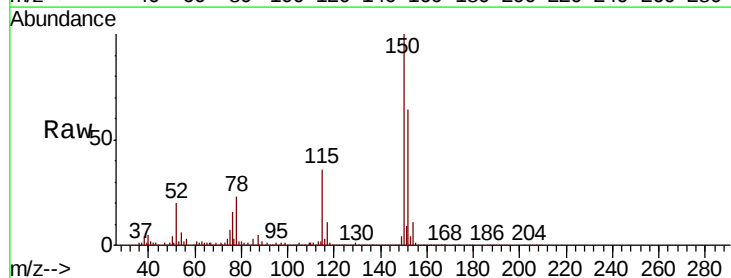


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

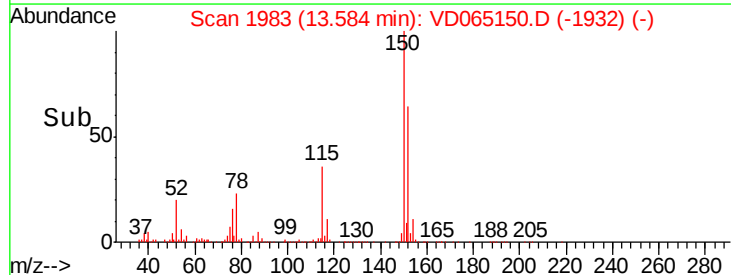
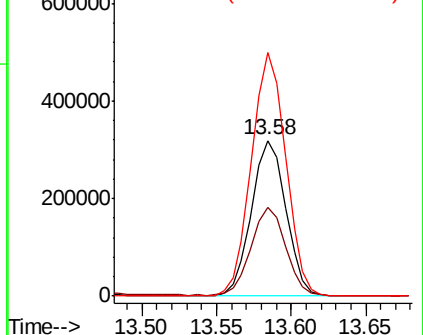


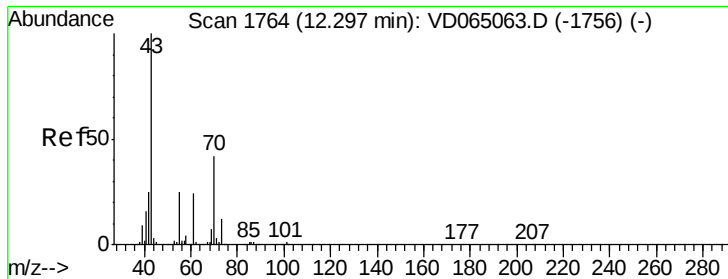
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065150.D
Acq: 11 Feb 2020 18:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	27.5	82.4
150	156.4	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





#74

N-amvl acetate

Concen: 1.697 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD065150.D

Acq: 11 Feb 2020 18:03

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 43 Resp: 12843

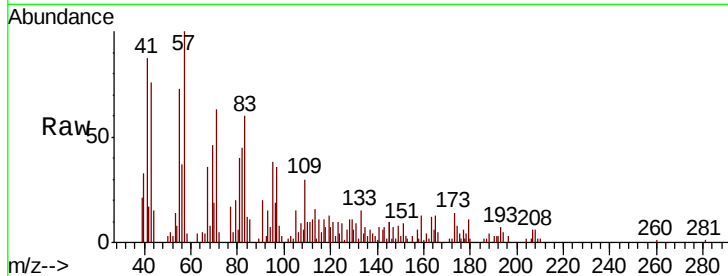
Ion Ratio Lower Upper

43 100

70 20.2 33.5 50.3#

55 0.0 19.4 29.2#

61 0.0 18.6 28.0#

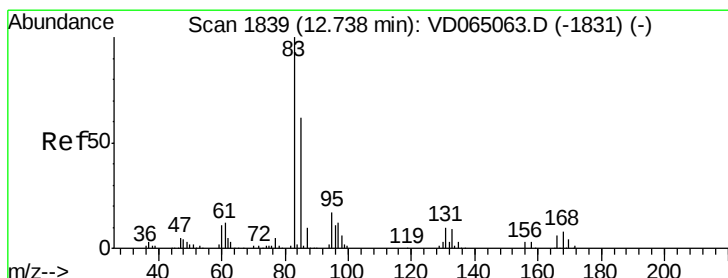
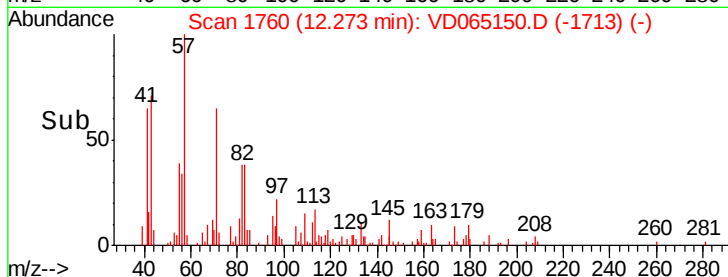
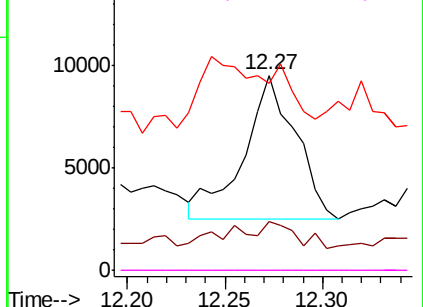


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 7.125 ug/l

RT: 12.81 min Scan# 1852

Delta R.T. 0.08 min

Lab File: VD065150.D

Acq: 11 Feb 2020 18:03

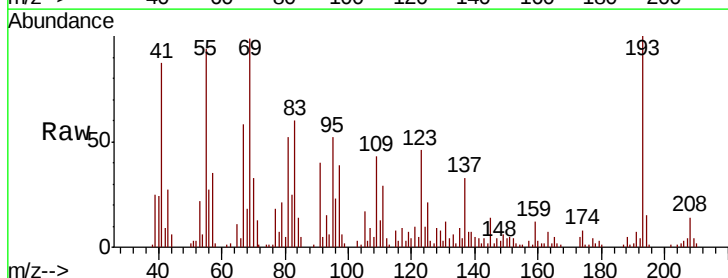
Tgt Ion: 83 Resp: 39050

Ion Ratio Lower Upper

83 100

131 2.0 5.5 16.4#

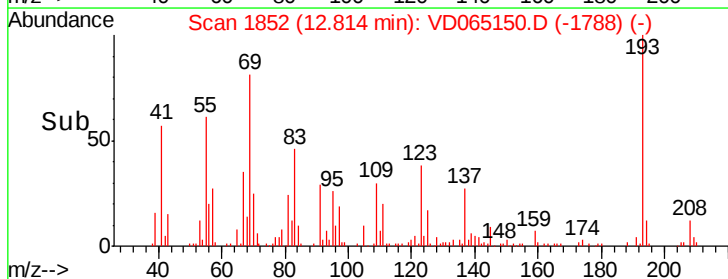
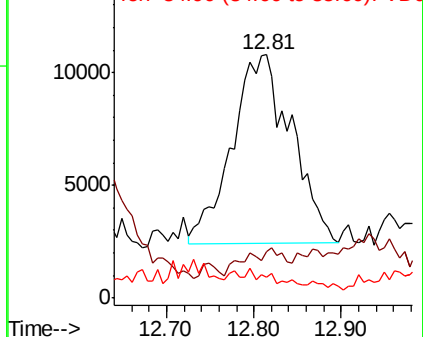
85 0.0 31.8 95.4#

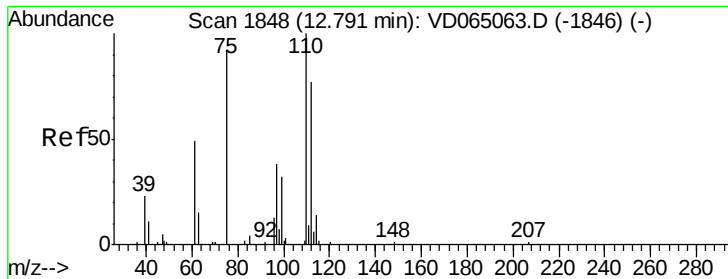


Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VDC





#76

1,2,3-Trichloropropane

Concen: 63.360 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065150.D

Acq: 11 Feb 2020 18:03

Instrument :

MSVOA_D

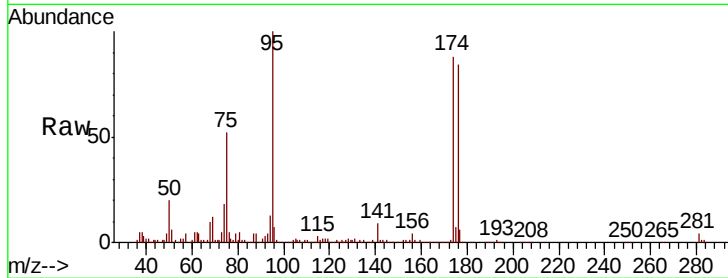
ClientSampleId :

Tot Ion: 75 Resp: 243392

Ion Ratio Lower Upper

75 100

77 3.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

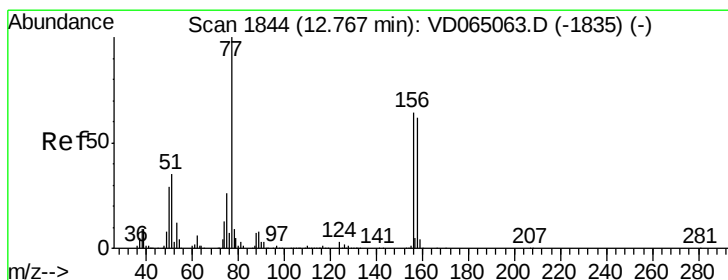
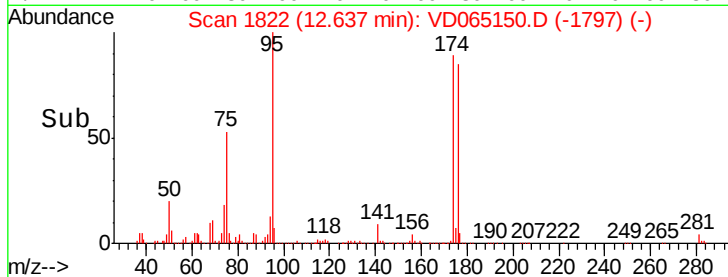
150000

100000

50000

0

Time-->



#77

Bromobenzene

Concen: 4.801 ug/l

RT: 12.62 min Scan# 1819

Delta R.T. -0.15 min

Lab File: VD065150.D

Acq: 11 Feb 2020 18:03

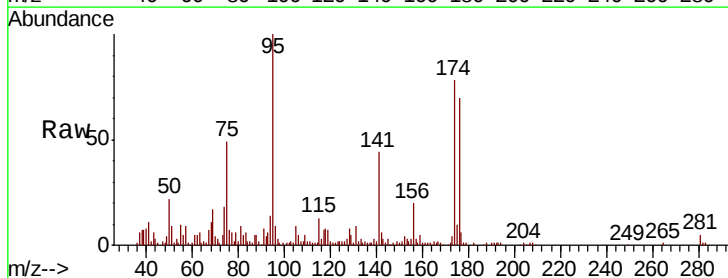
Tgt Ion: 156 Resp: 40284

Ion Ratio Lower Upper

156 100

77 0.0 85.6 256.8#

158 0.0 47.4 142.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V

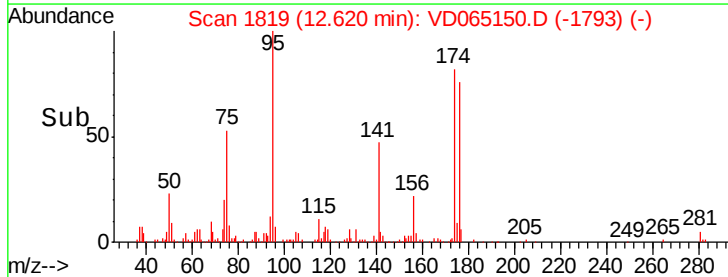
15000

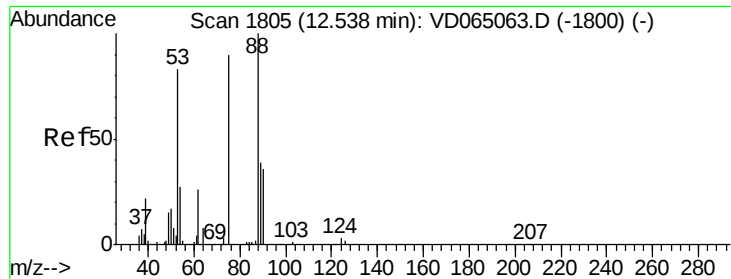
10000

5000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 126.715 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065150.D

Acq: 11 Feb 2020 18:03

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 243392

Ion Ratio Lower Upper

75 100

53 0.9 78.5 117.7#

89 0.0 37.0 55.4#

