

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064598.D
 Acq On : 26 Dec 2019 14:40
 Operator : VA/SY
 Sample : K6436-02
 Misc : 6.18G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 27 01:40:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

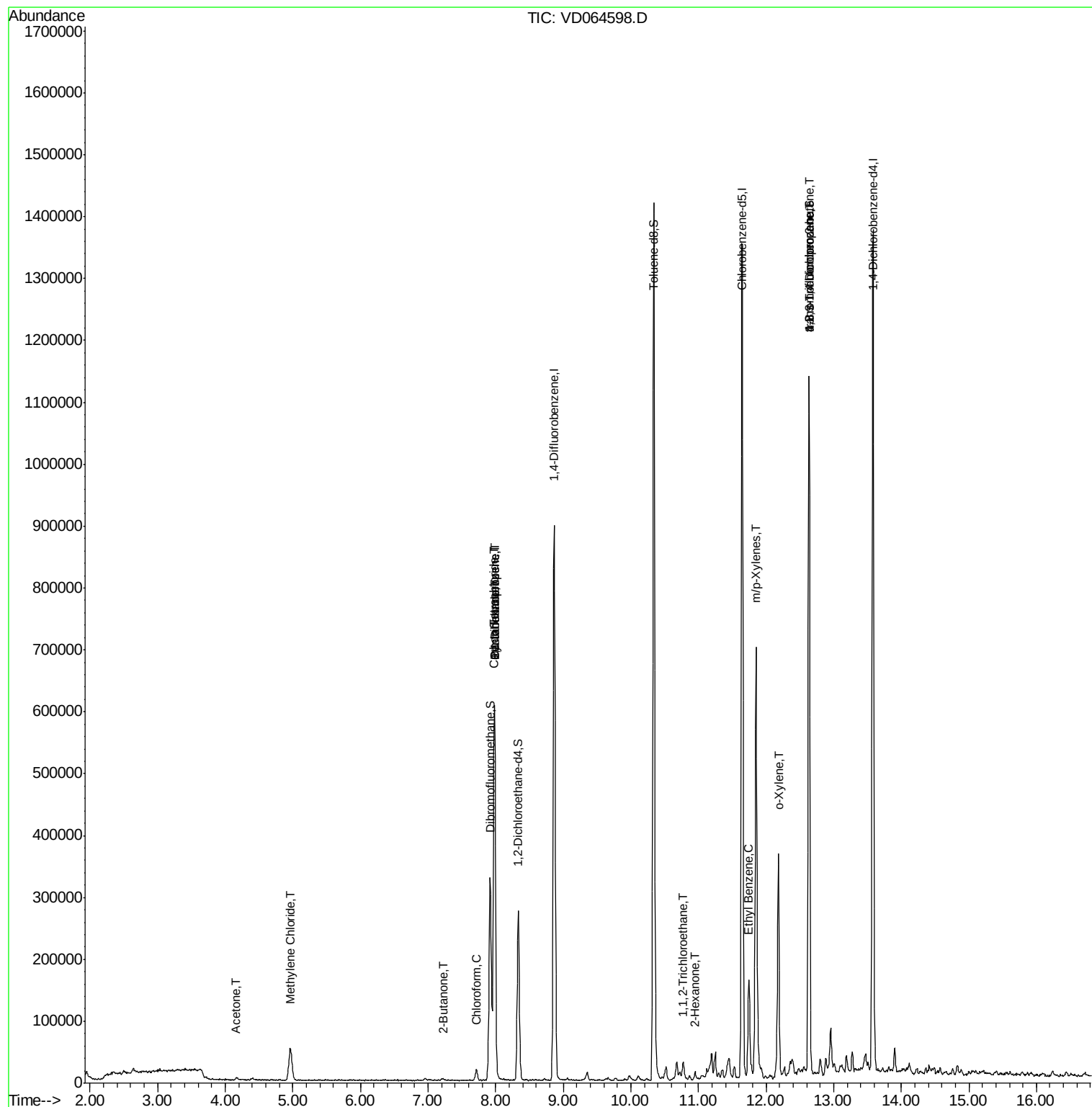
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	488911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	783532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	788358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	378247	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	213183	49.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.90%	
35) Dibromofluoromethane	7.92	113	224983	46.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.60%	
50) Toluene-d8	10.34	98	950777	51.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.64	95	349927	60.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.22%	
Target Compounds				Qvalue		
16) Acetone	4.16	43	5744	9.760	ug/l	92
20) Methylene Chloride	4.96	84	38717	4.316	ug/l	95
25) 2-Butanone	7.22	43	1229	1.037	ug/l #	49
30) Chloroform	7.71	83	14944	1.774	ug/l	97
31) Cyclohexane	7.98	56	11578	1.440	ug/l #	54
36) 1,1-Dichloropropene	7.98	75	35482	4.705	ug/l #	50
38) Carbon Tetrachloride	7.97	117	45140	5.613	ug/l #	16
55) 1,1,2-Trichloroethane	10.77	97	12249	3.316	ug/l #	18
59) 2-Hexanone	10.95	43	6059	3.063	ug/l #	29
67) Ethyl Benzene	11.74	91	113767	3.831	ug/l	98
68) m/p-Xylenes	11.86	106	214709	18.731	ug/l	99
69) o-Xylene	12.18	106	97924	9.458	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	181270	60.689	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	181270	126.929	ug/l #	10

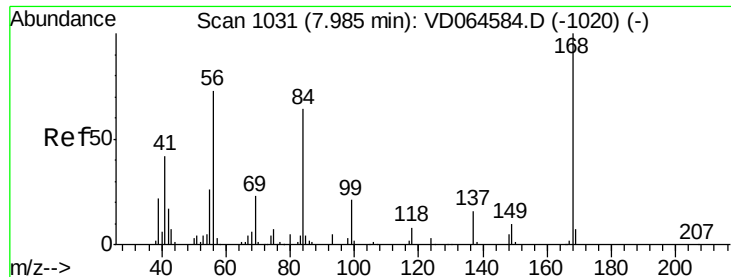
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122619\
Data File : VD064598.D
Acq On : 26 Dec 2019 14:40
Operator : VA/SY
Sample : K6436-02
Misc : 6.18G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 27 01:40:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
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: VD064598.D

Acq: 26 Dec 2019 14:40

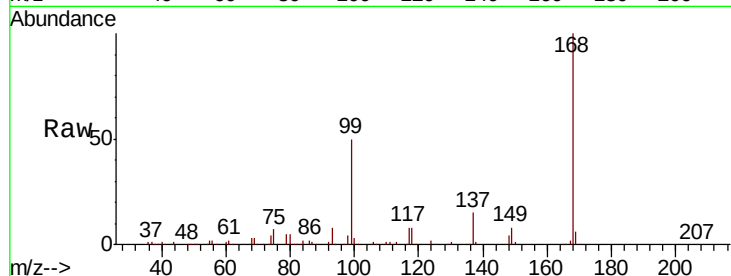
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 488911

Ion Ratio Lower Upper

168 100

99 50.4 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

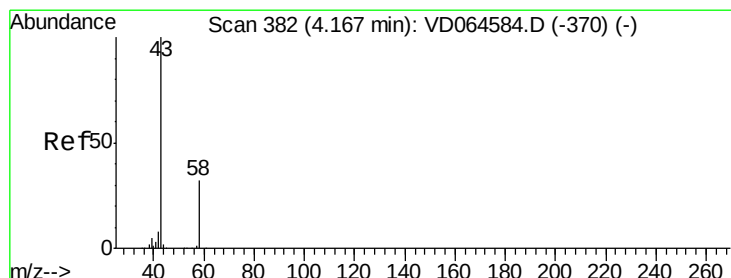
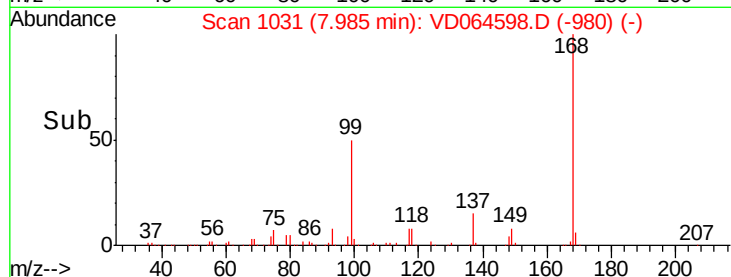
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 9.760 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064598.D

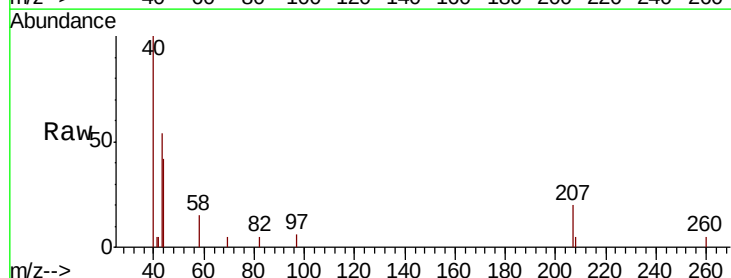
Acq: 26 Dec 2019 14:40

Tgt Ion: 43 Resp: 5744

Ion Ratio Lower Upper

43 100

58 27.5 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

2000

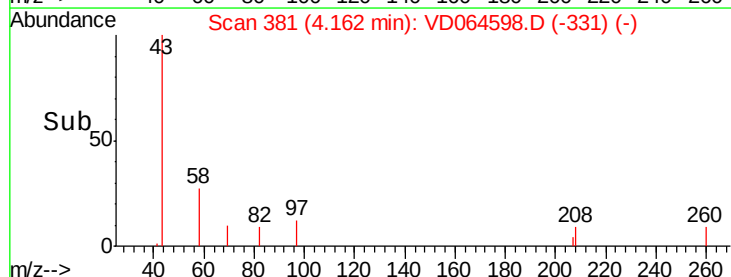
1500

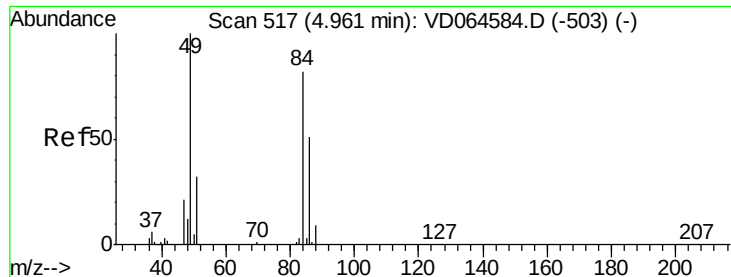
1000

500

0

Time-->

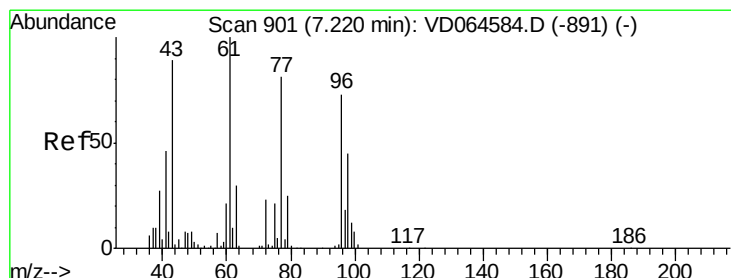
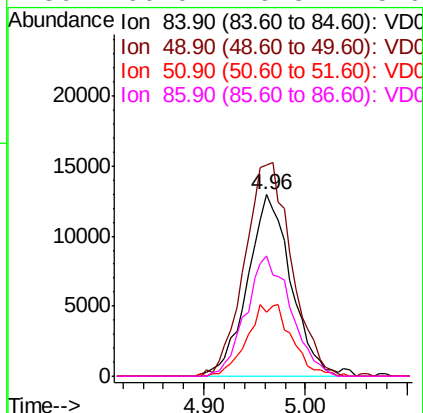
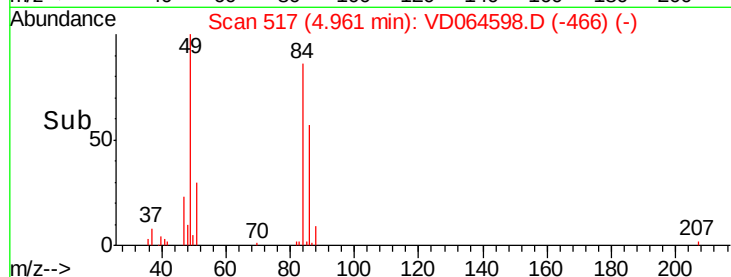
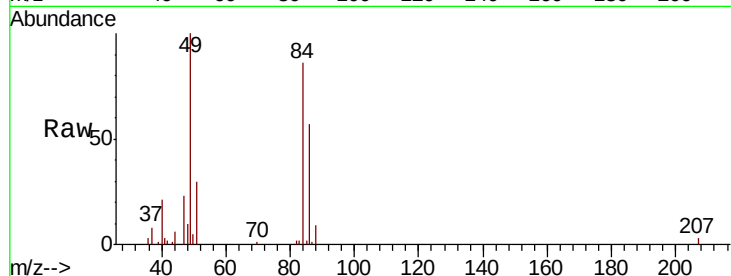




#20
Methylene Chloride
Concen: 4.316 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064598.D
Acq: 26 Dec 2019 14:40

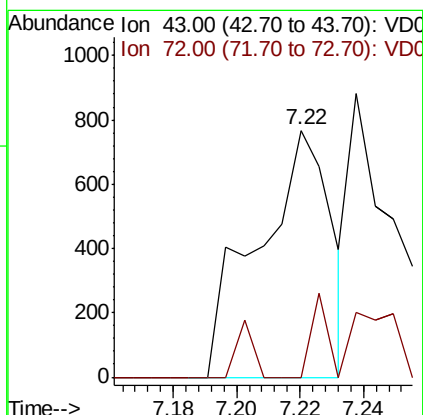
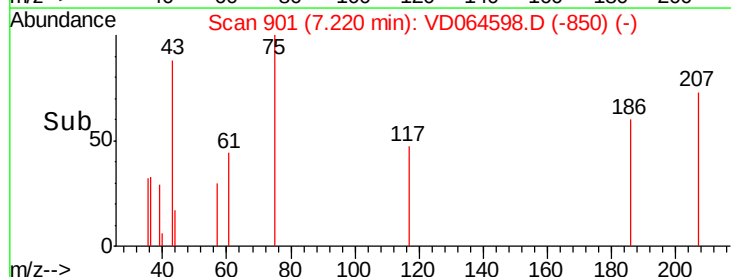
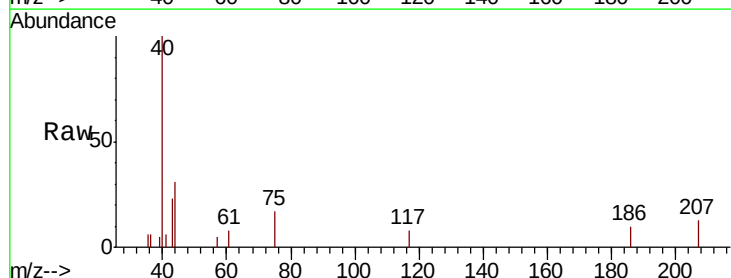
Instrument :
MSVOA_D
ClientSampleId :

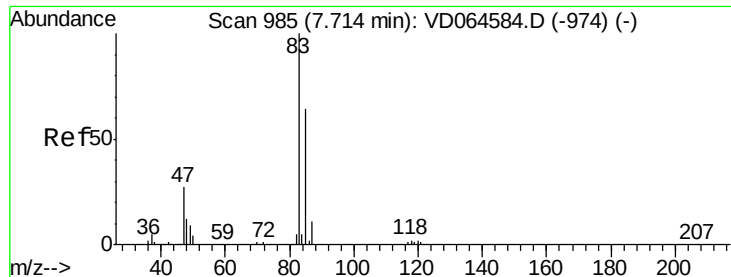
Tot Ion: 84 Resp: 38717
Ion Ratio Lower Upper
84 100
49 116.4 97.2 145.8
51 35.4 31.4 47.0
86 66.0 49.3 73.9



#25
2-Butanone
Concen: 1.037 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064598.D
Acq: 26 Dec 2019 14:40

Tgt Ion: 43 Resp: 1229
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#

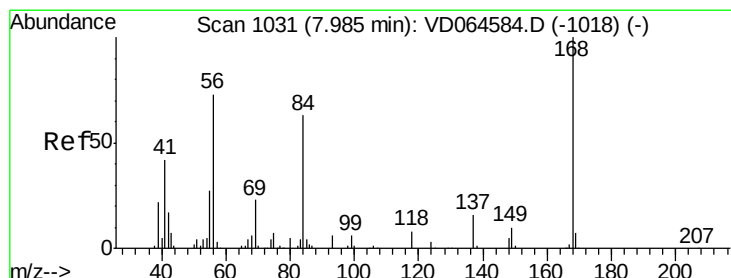
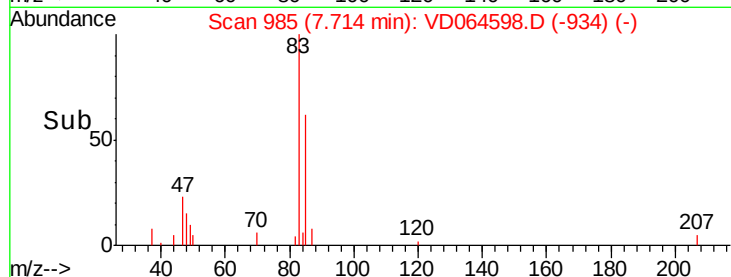
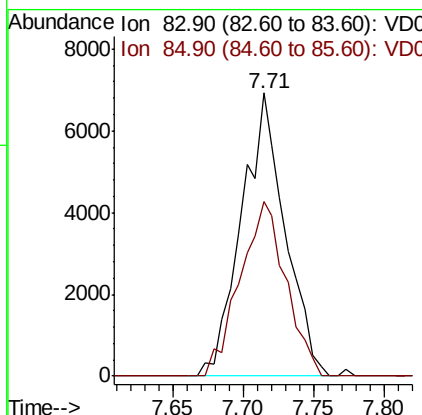
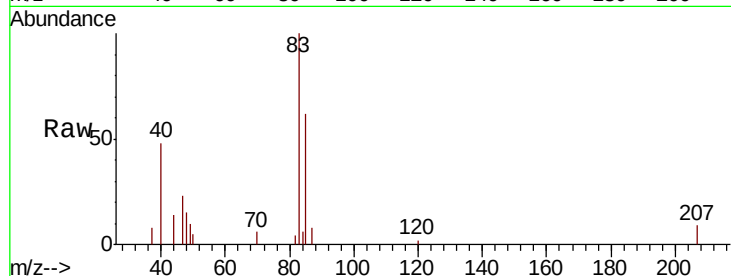




#30
Chloroform
Concen: 1.774 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064598.D
Acq: 26 Dec 2019 14:40

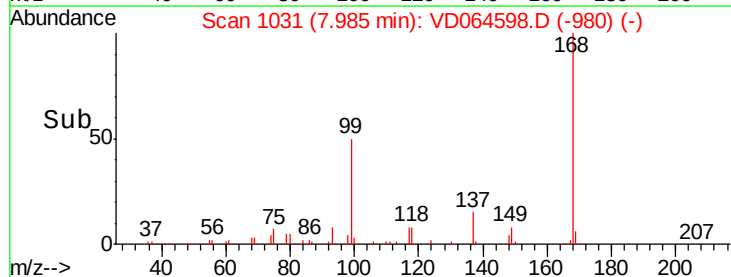
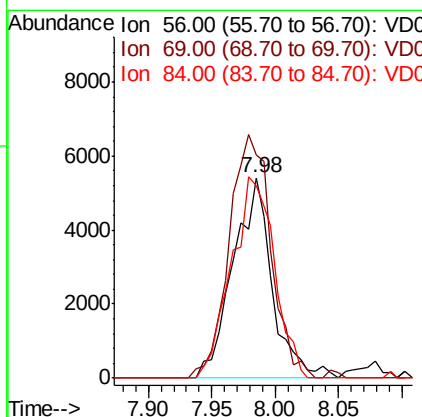
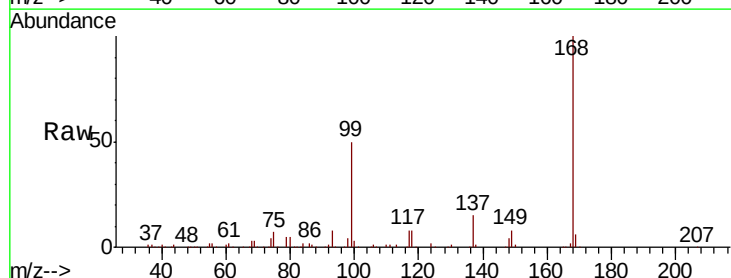
Instrument :
MSVOA_D
ClientSampleId :

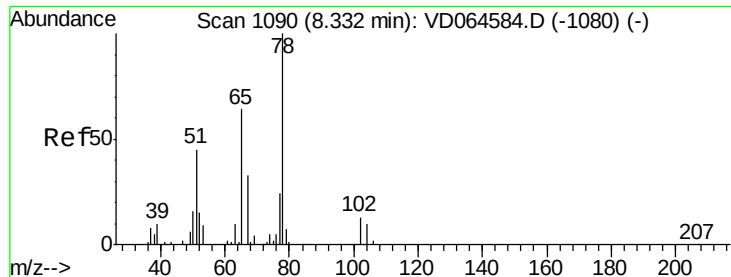
Tot Ion: 83 Resp: 14944
Ion Ratio Lower Upper
83 100
85 61.6 51.1 76.7



#31
Cyclohexane
Concen: 1.440 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064598.D
Acq: 26 Dec 2019 14:40

Tgt Ion: 56 Resp: 11578
Ion Ratio Lower Upper
56 100
69 111.3 24.7 37.1#
84 96.1 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 49.449 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064598.D

Acq: 26 Dec 2019 14:40

Instrument :

MSVOA_D

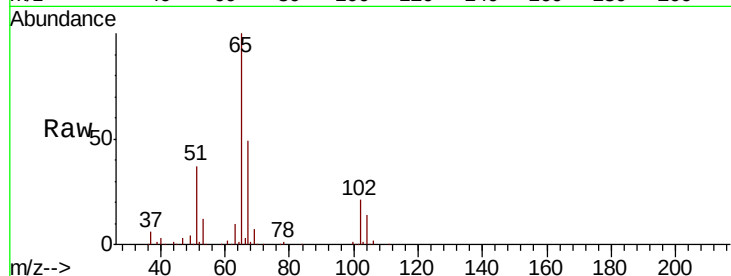
ClientSampled :

Tot Ion: 65 Resp: 213183

Ion Ratio Lower Upper

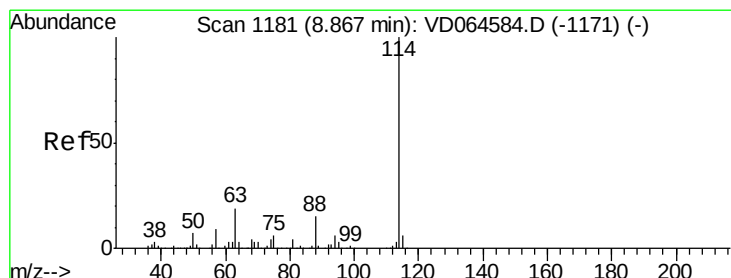
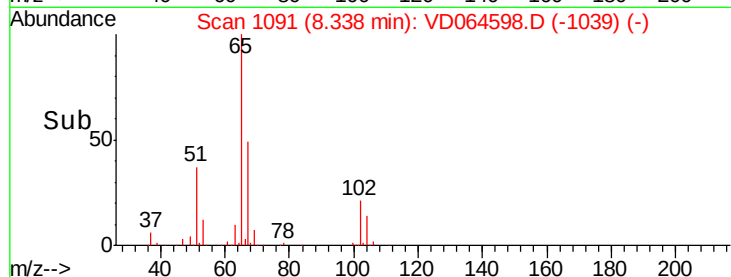
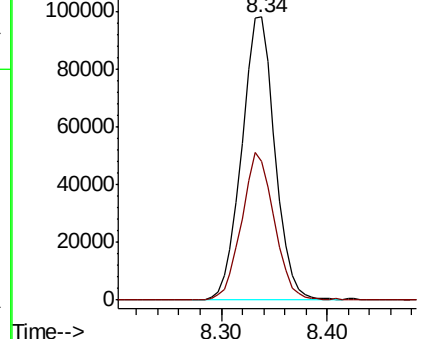
65 100

67 51.0 0.0 106.2



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: VD064598.D

Acq: 26 Dec 2019 14:40

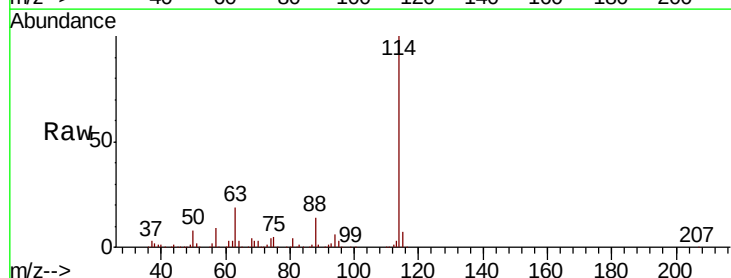
Tgt Ion: 114 Resp: 783532

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.0

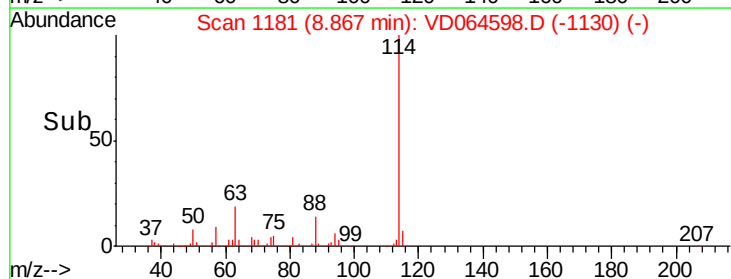
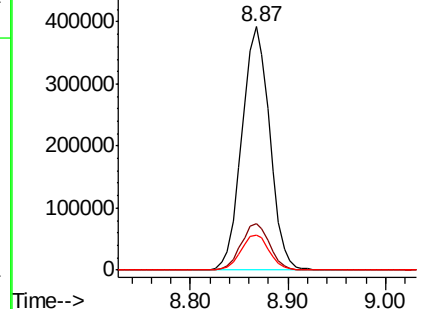
88 14.2 0.0 29.2

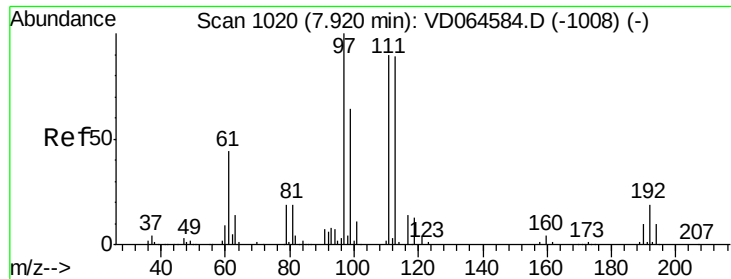


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

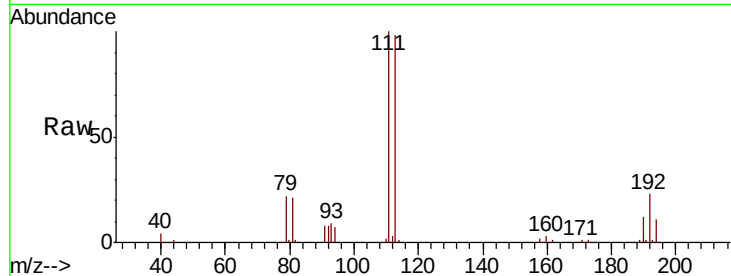




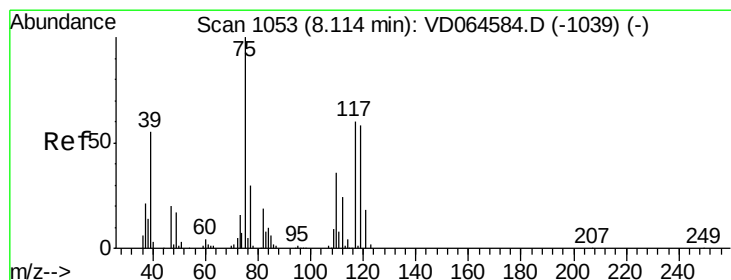
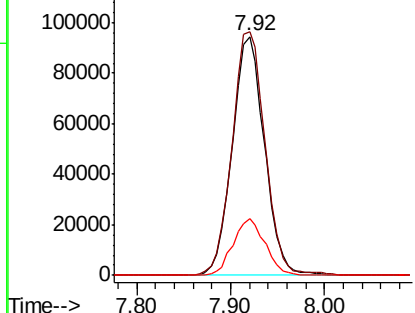
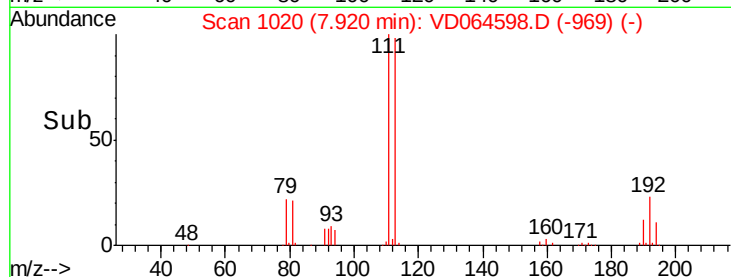
#35
 Dibromofluoromethane
 Concen: 46.802 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064598.D
 Acq: 26 Dec 2019 14:40

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	80.6	121.0
192	23.4	17.9	26.9

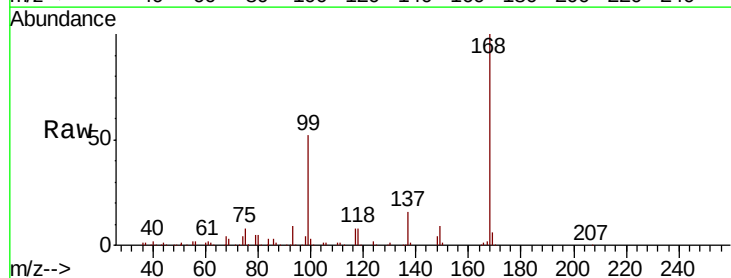


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

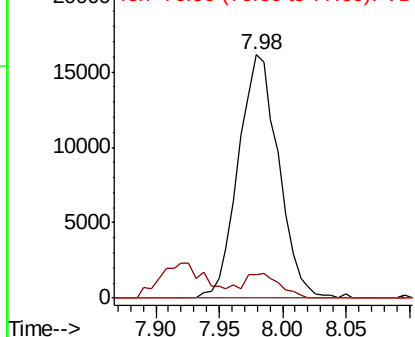
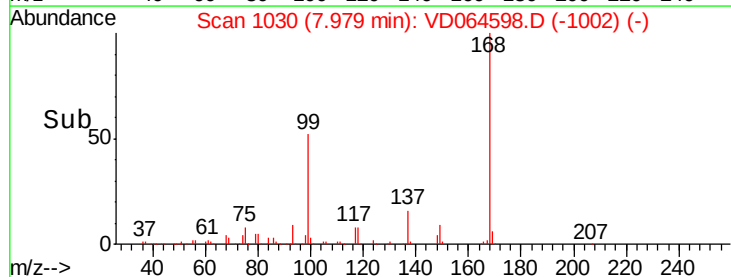


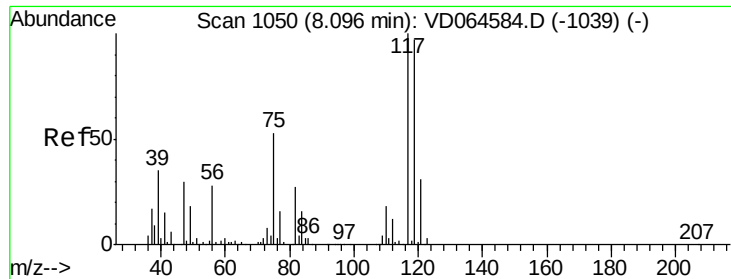
#36
 1,1-Dichloropropene
 Concen: 4.705 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064598.D
 Acq: 26 Dec 2019 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.1#
77	0.0	24.2	36.4#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.613 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD064598.D

Acq: 26 Dec 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

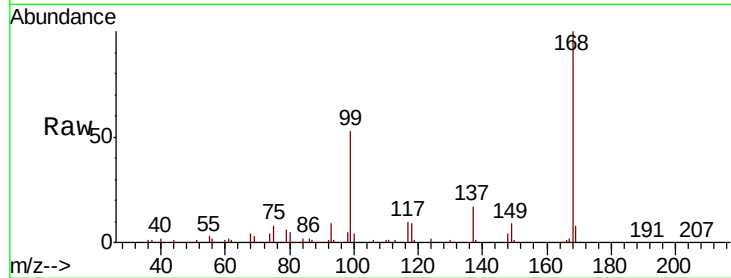
Tot Ion:117 Resp: 45140

Ion Ratio Lower Upper

117 100

119 5.0 77.3 115.9#

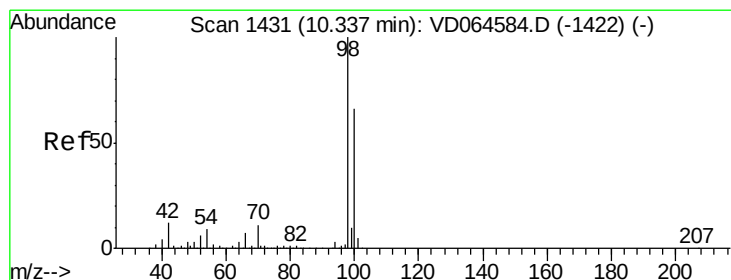
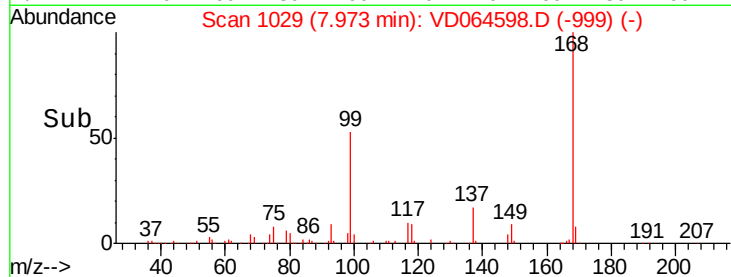
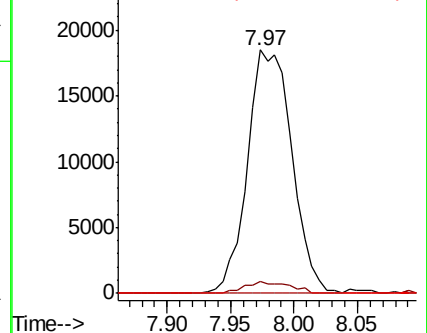
121 0.0 25.0 37.6#



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



#50

Toluene-d8

Concen: 51.643 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD064598.D

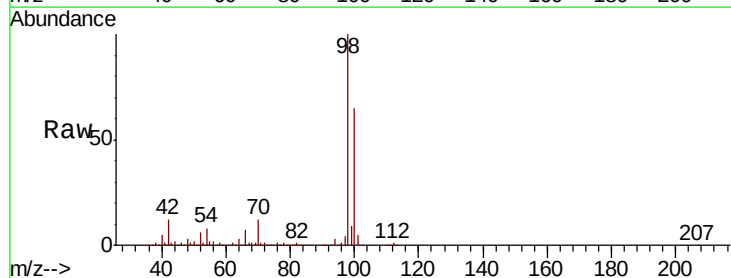
Acq: 26 Dec 2019 14:40

Tgt Ion: 98 Resp: 950777

Ion Ratio Lower Upper

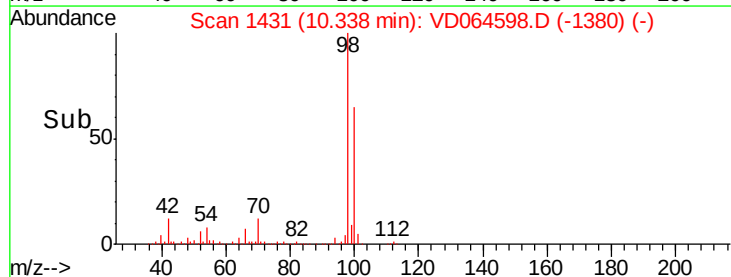
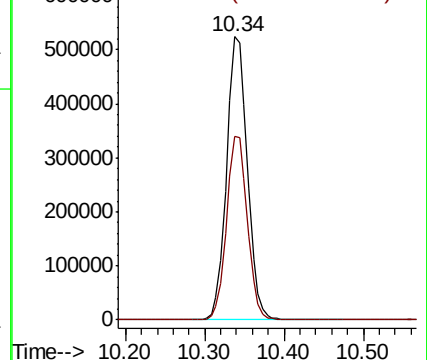
98 100

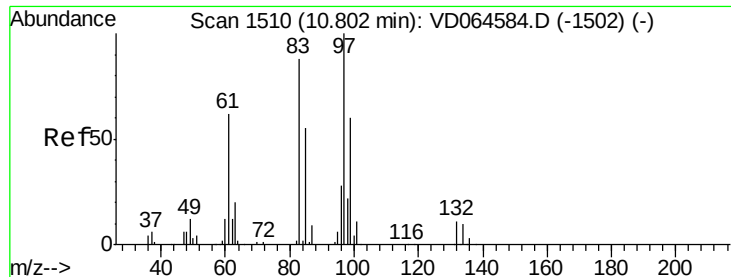
100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#55

1,1,2-Trichloroethane

Concen: 3.316 ug/l

RT: 10.77 min Scan# 1505

Delta R.T. -0.03 min

Lab File: VD064598.D

Acq: 26 Dec 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 12249

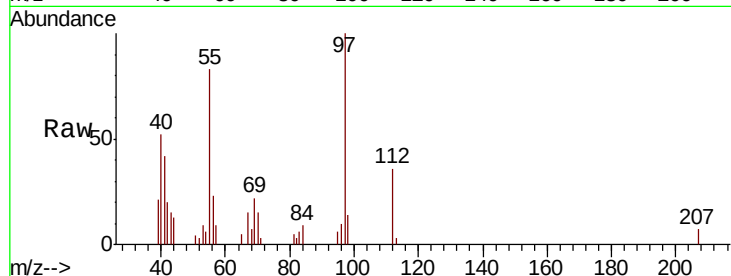
Ion	Ratio	Lower	Upper
97	100		
83	6.3	70.2	105.4#
85	0.0	44.0	66.0#
99	0.0	47.8	71.6#

97 100

83 6.3 70.2 105.4#

85 0.0 44.0 66.0#

99 0.0 47.8 71.6#

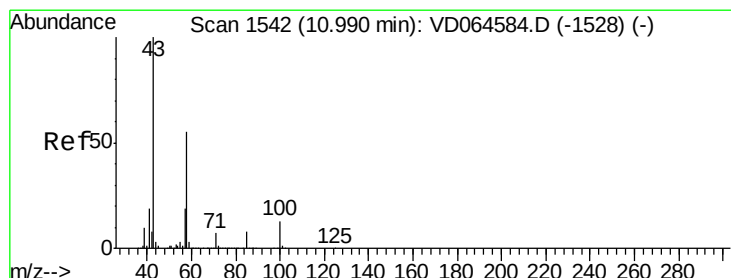
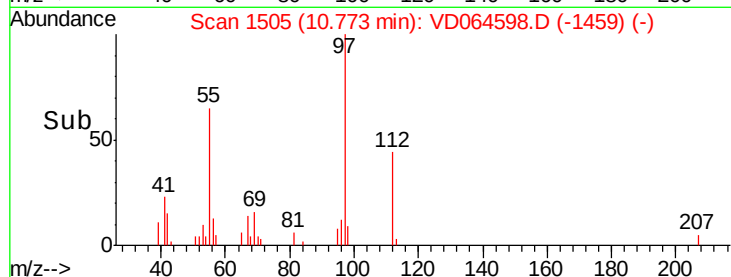
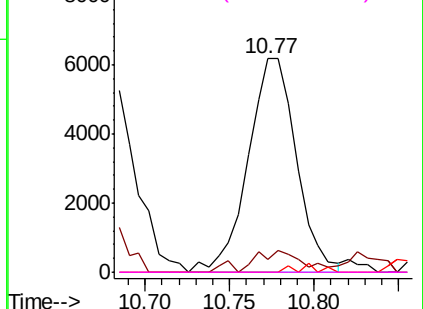


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#59

2-Hexanone

Concen: 3.063 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.04 min

Lab File: VD064598.D

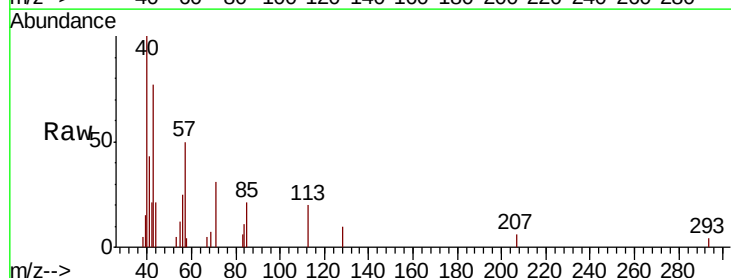
Acq: 26 Dec 2019 14:40

Tgt Ion: 43 Resp: 6059

Ion	Ratio	Lower	Upper
43	100		
58	2.3	26.4	79.0#

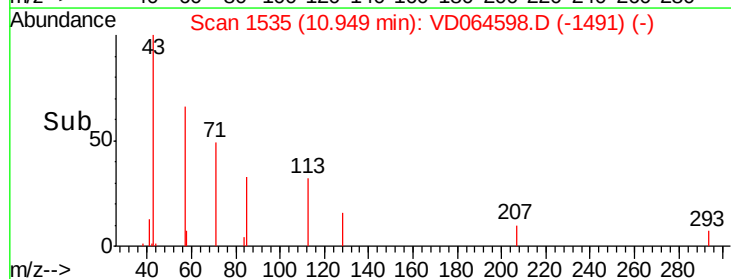
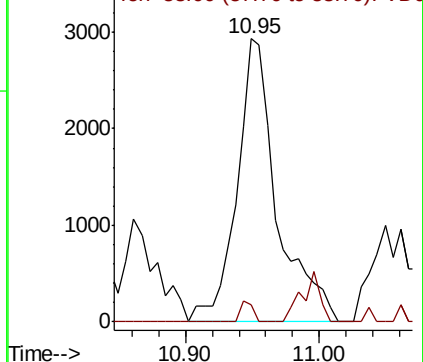
43 100

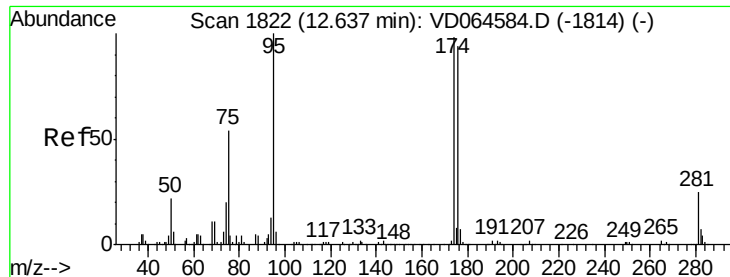
58 2.3 26.4 79.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#62

4-Bromofluorobenzene

Concen: 60.108 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064598.D

Acq: 26 Dec 2019 14:40

Instrument :

MSVOA_D

ClientSampled :

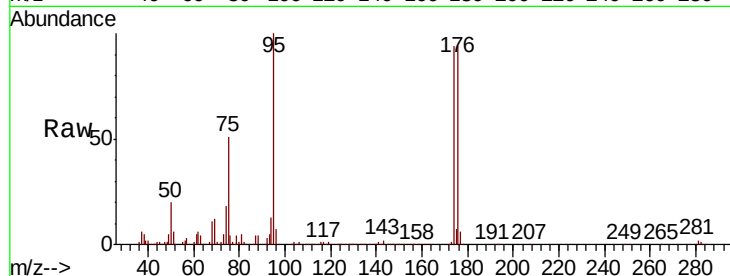
Tot Ion: 95 Resp: 349927

Ion Ratio Lower Upper

95 100

174 94.4 0.0 193.2

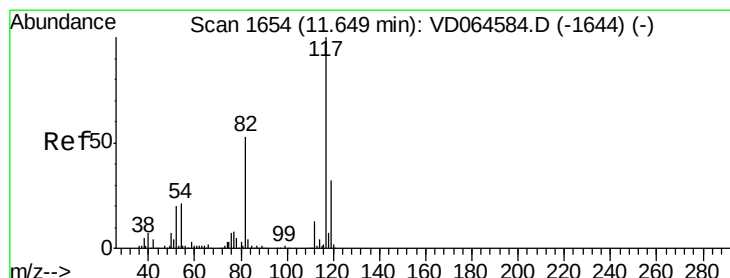
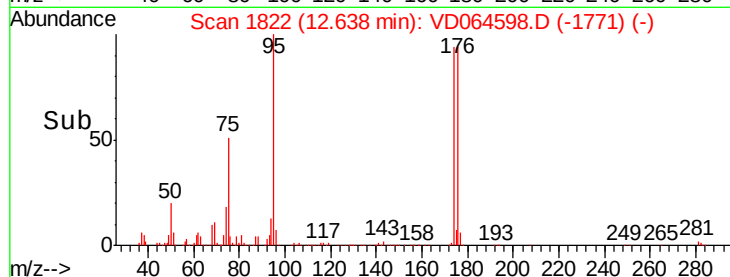
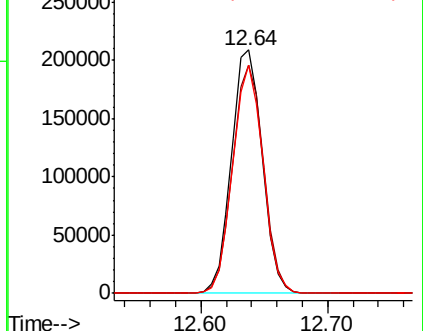
176 92.3 0.0 184.2



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: 11.64 min Scan# 1653

Delta R.T. -0.01 min

Lab File: VD064598.D

Acq: 26 Dec 2019 14:40

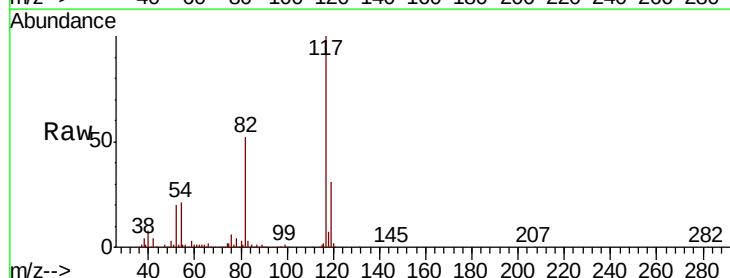
Tgt Ion: 117 Resp: 788358

Ion Ratio Lower Upper

117 100

82 52.3 42.2 63.4

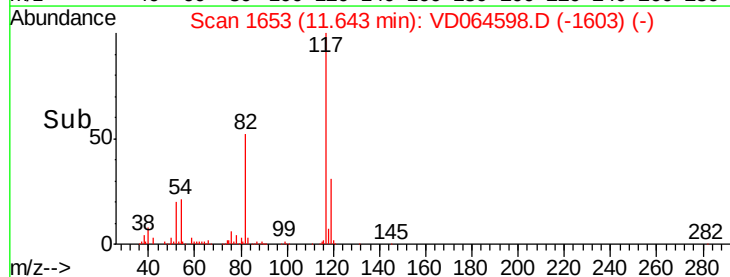
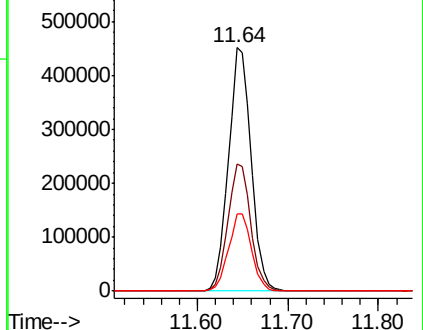
119 31.5 26.0 39.0

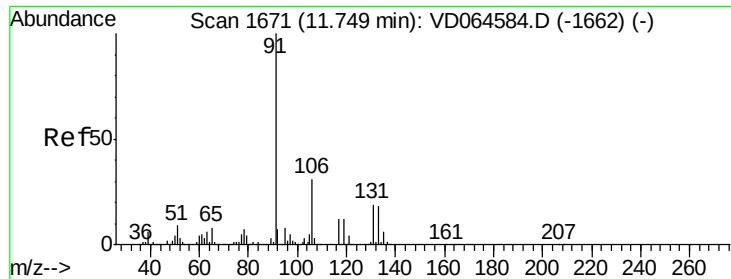


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 3.831 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064598.D

Acq: 26 Dec 2019 14:40

Instrument :

MSVOA_D

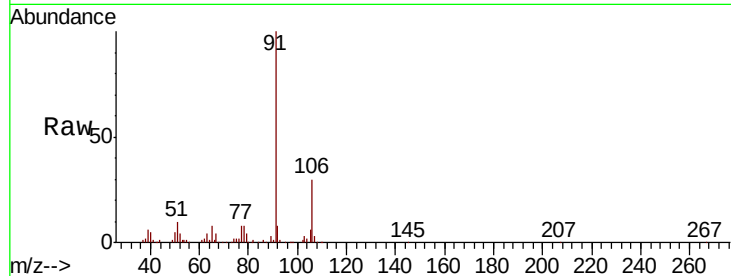
ClientSampleId :

Tot Ion: 91 Resp: 113767

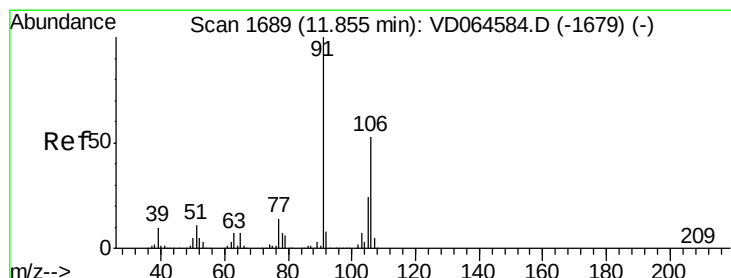
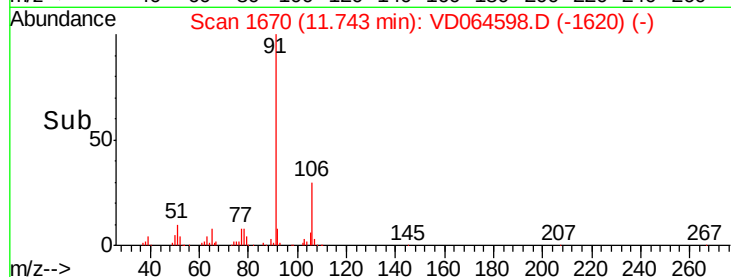
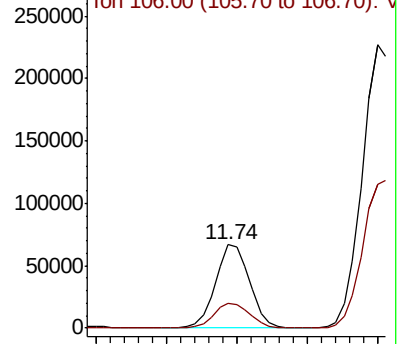
Ion Ratio Lower Upper

91 100

106 29.6 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 18.731 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064598.D

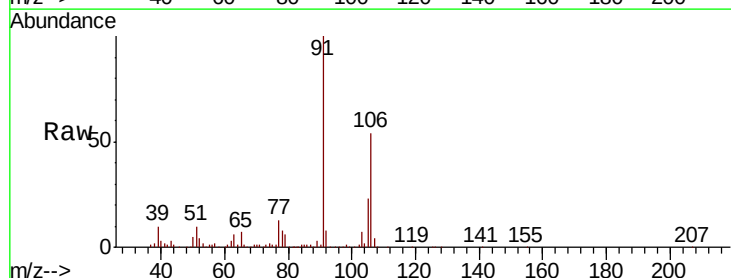
Acq: 26 Dec 2019 14:40

Tgt Ion: 106 Resp: 214709

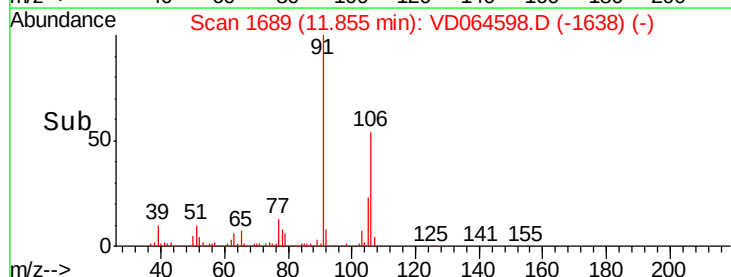
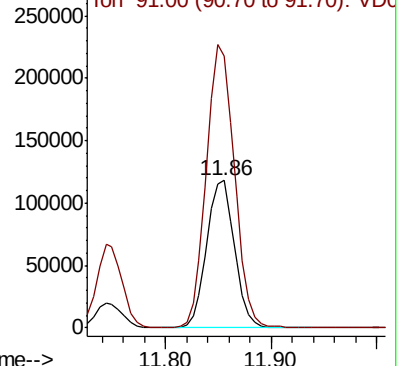
Ion Ratio Lower Upper

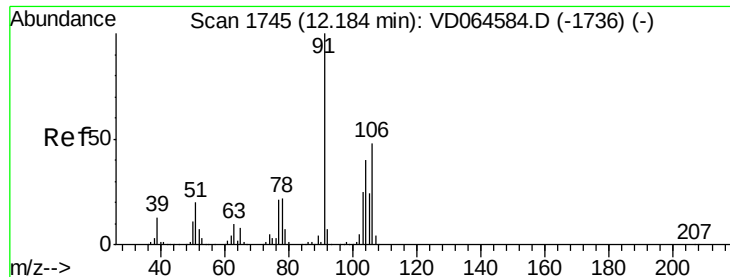
106 100

91 194.6 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

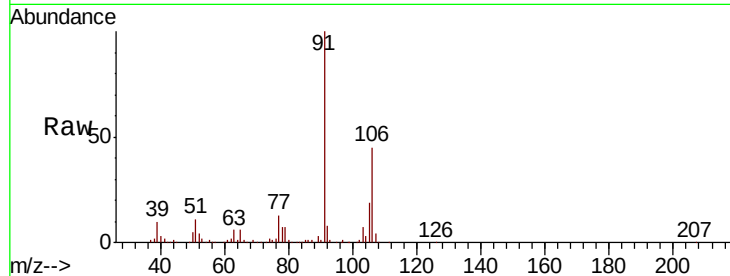




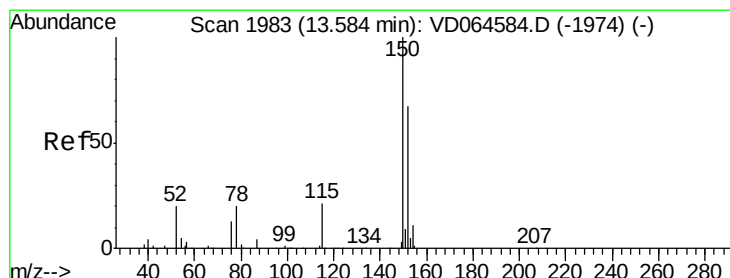
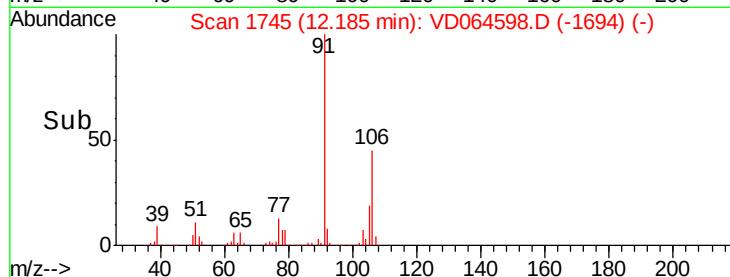
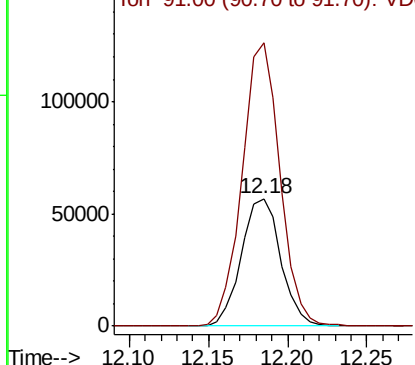
#69
o-Xylene
Concen: 9.458 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064598.D
Acq: 26 Dec 2019 14:40

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 97924
Ion Ratio Lower Upper
106 100
91 214.6 104.8 314.4

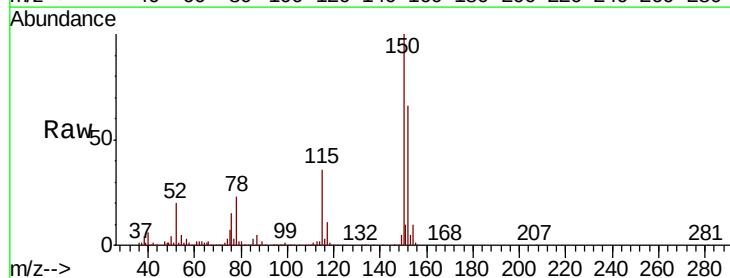


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

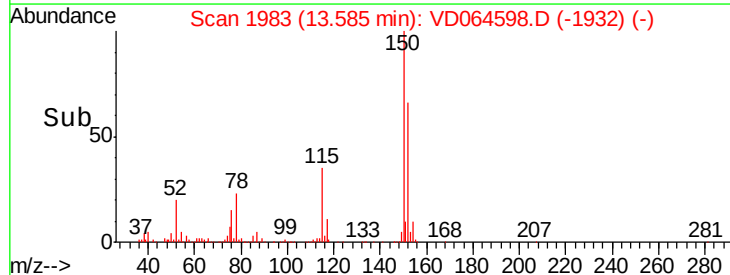
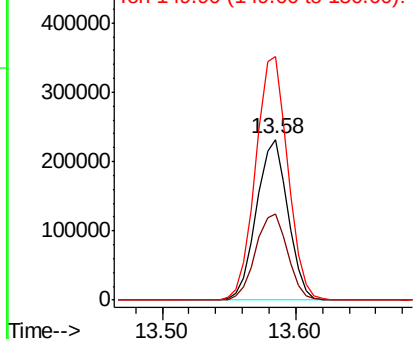


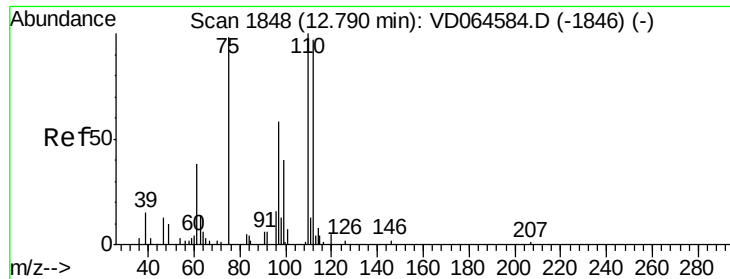
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064598.D
Acq: 26 Dec 2019 14:40

Tgt Ion:152 Resp: 378247
Ion Ratio Lower Upper
152 100
115 54.8 27.8 83.4
150 154.2 0.0 351.4



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: 60.689 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064598.D

Acq: 26 Dec 2019 14:40

Instrument :

MSVOA_D

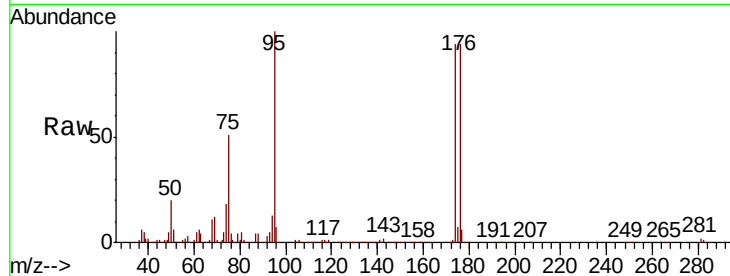
ClientSampleId :

Tot Ion: 75 Resp: 181270

Ion Ratio Lower Upper

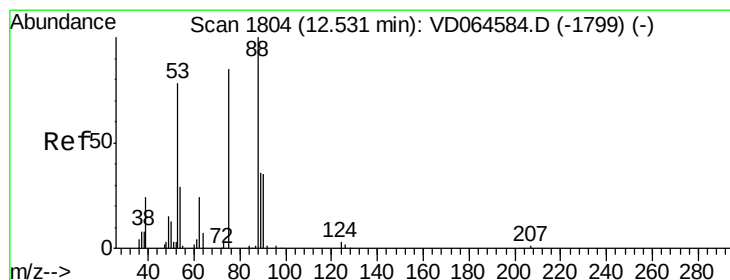
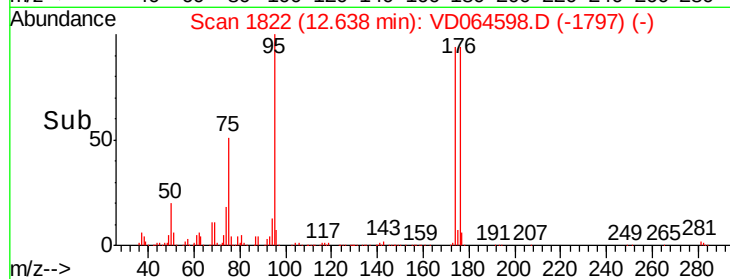
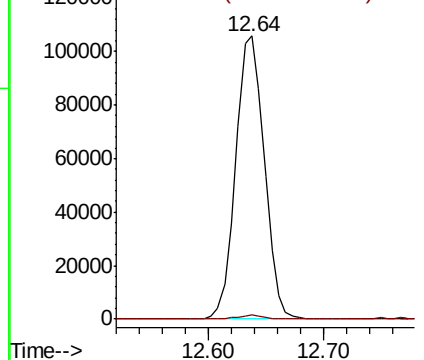
75 100

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: 126.929 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064598.D

Acq: 26 Dec 2019 14:40

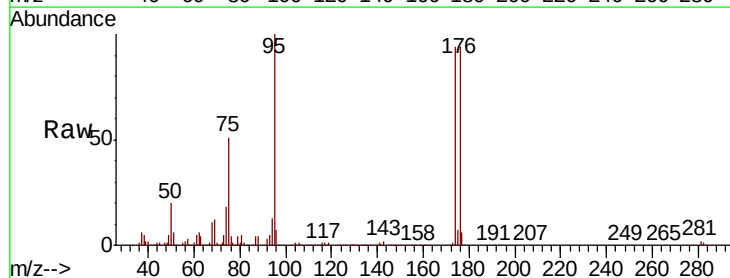
Tgt Ion: 75 Resp: 181270

Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.0 38.3 57.5#



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

