

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041520\
 Data File : VW015210.D
 Acq On : 15 Apr 2020 18:49
 Operator : SY/VA
 Sample : L2255-01
 Misc : 7.40G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 16 04:26:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 14:44:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	371227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	616537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	504705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	195479	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	204192	58.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	116.34%	
35) Dibromofluoromethane	7.88	113	199781	58.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	117.20%	
50) Toluene-d8	10.32	98	807116	58.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	116.56%	
62) 4-Bromofluorobenzene	12.62	95	244468	50.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.80%	

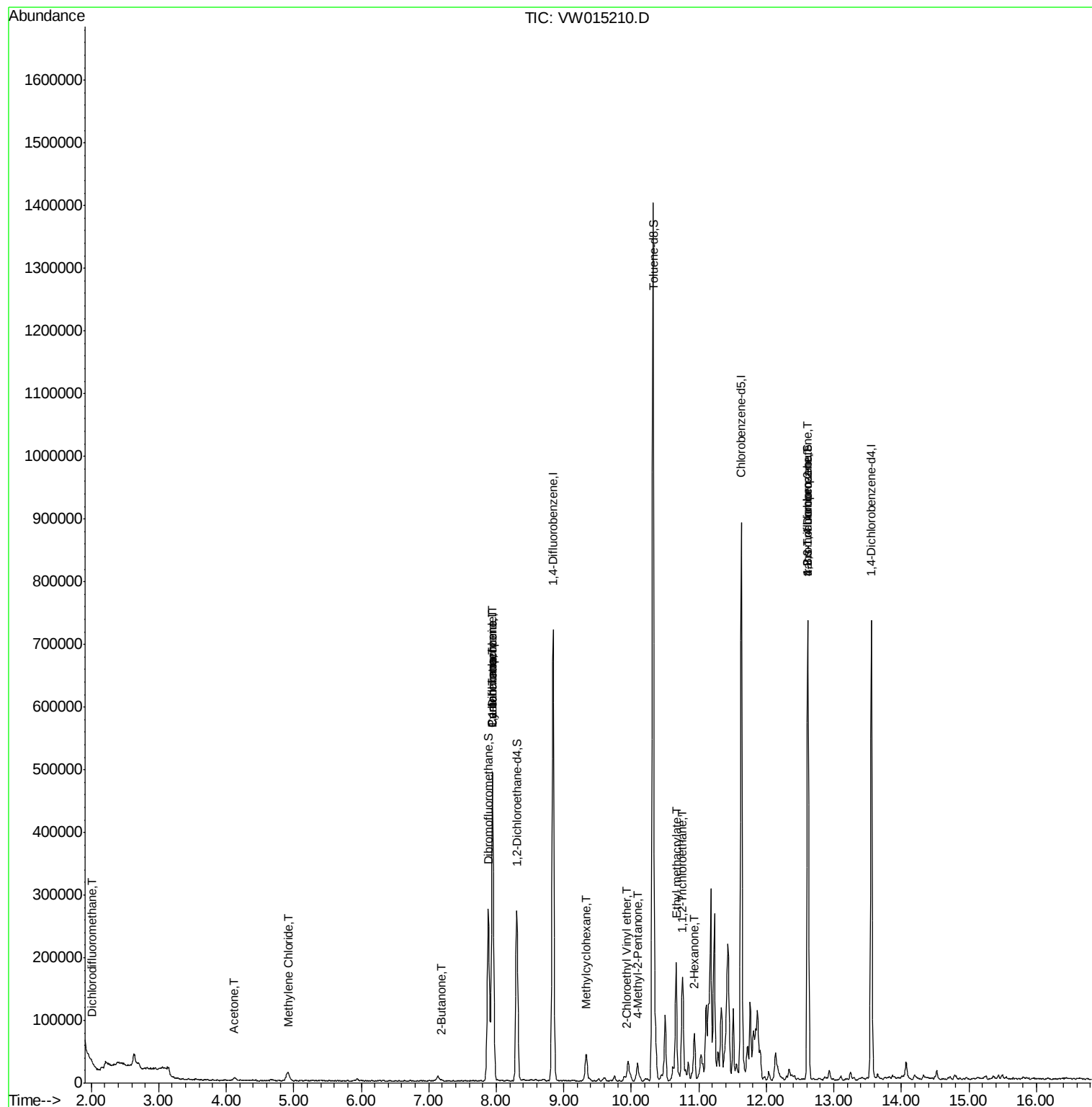
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	298	2.256	ug/l #	40
16) Acetone	4.12	43	9176	14.677	ug/l #	85
20) Methylene Chloride	4.92	84	11597	2.678	ug/l	95
25) 2-Butanone	7.19	43	2011	2.010	ug/l #	66
31) Cyclohexane	7.95	56	8874	1.210	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	27996	5.083	ug/l #	49
38) Carbon Tetrachloride	7.94	117	36837	7.275	ug/l #	18
39) Methylcyclohexane	9.33	83	19158	2.588	ug/l	98
51) 4-Methyl-2-Pentanone	10.10	43	14580	6.154	ug/l #	42
55) 1,1,2-Trichloroethane	10.76	97	68357	25.087	ug/l #	20
56) Ethyl methacrylate	10.66	69	18712	4.983	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.93	63	2502	1.346	ug/l	95
59) 2-Hexanone	10.93	43	30094	20.238	ug/l #	28
76) 1,2,3-Trichloropropane	12.62	75	118793	70.991	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	118793	137.349	ug/l #	15

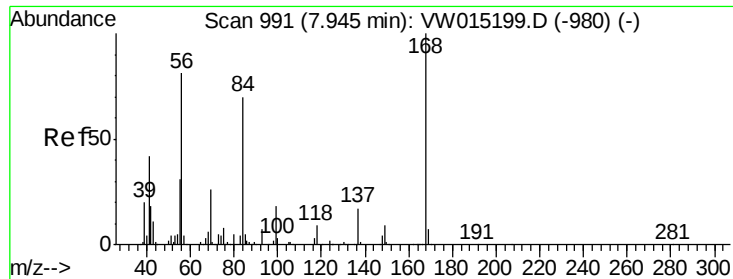
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 15 14:44:16 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW015210.D

Acq: 15 Apr 2020 18:49

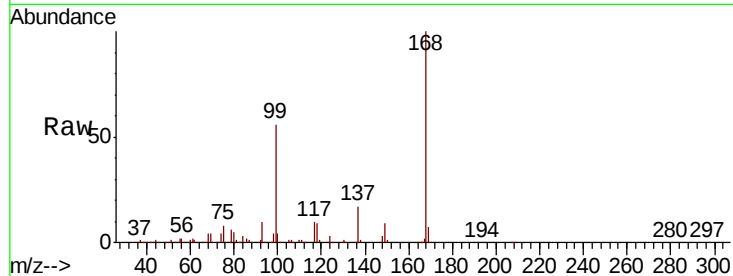
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 371227

Ion Ratio Lower Upper

168 100

99 56.2 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

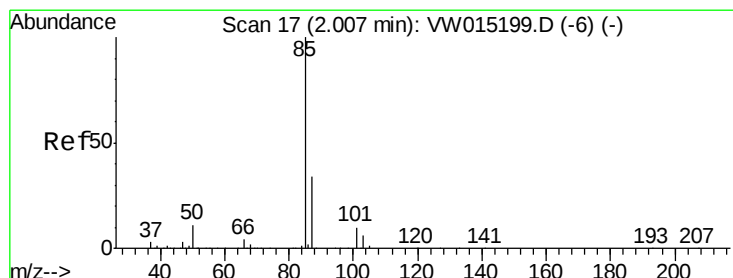
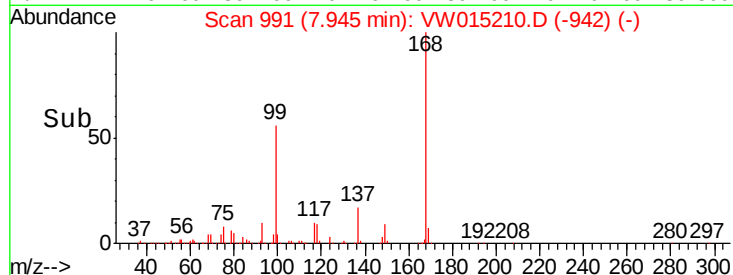
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.256 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW015210.D

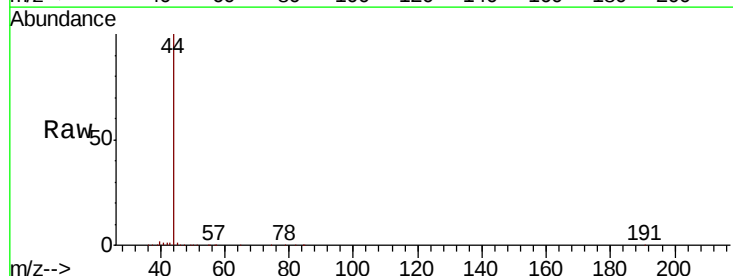
Acq: 15 Apr 2020 18:49

Tgt Ion: 85 Resp: 298

Ion Ratio Lower Upper

85 100

87 0.0 17.2 51.6#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

200

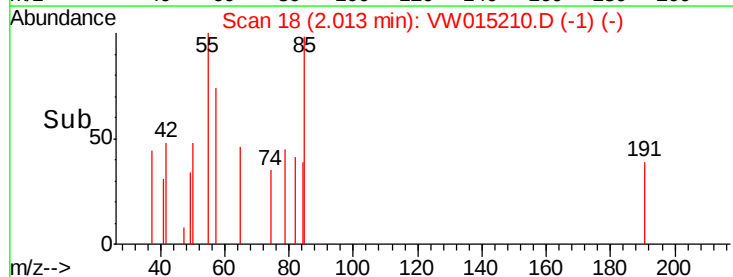
150

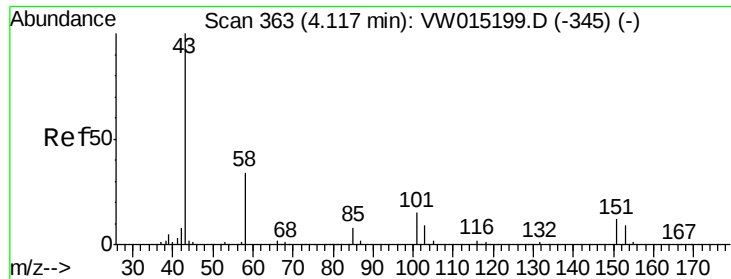
100

50

0

Time-->

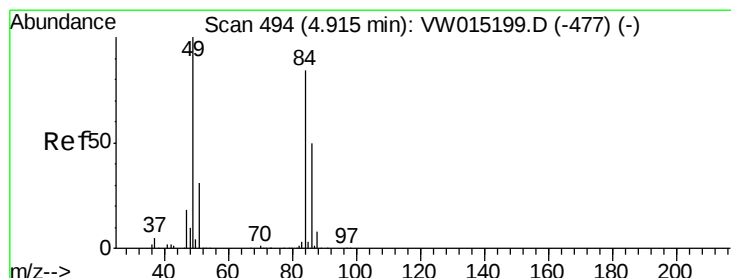
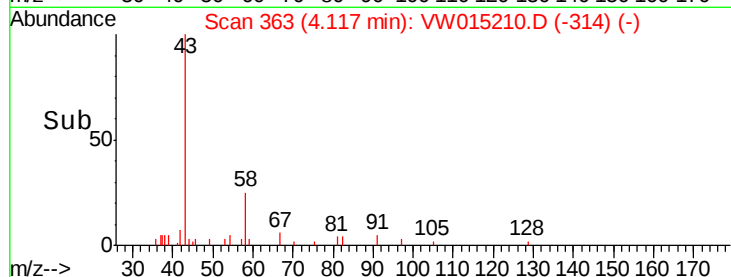
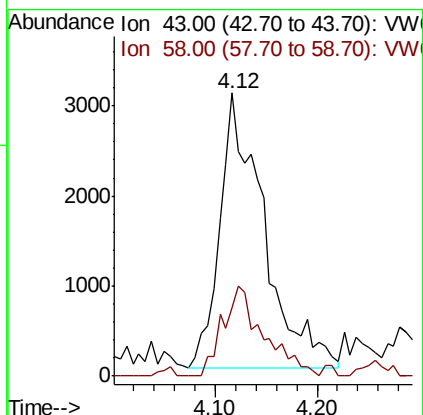
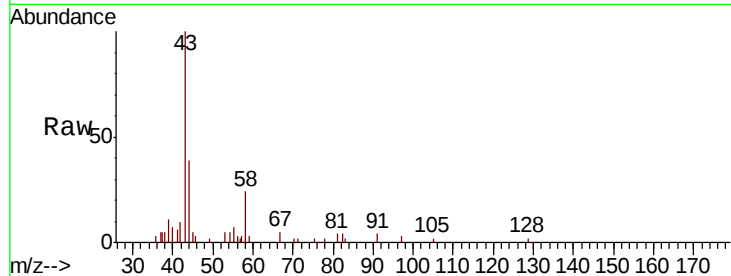




#16
Acetone
Concen: 14.677 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW015210.D
Acq: 15 Apr 2020 18:49

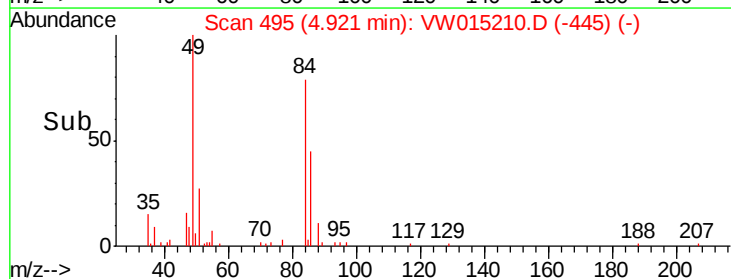
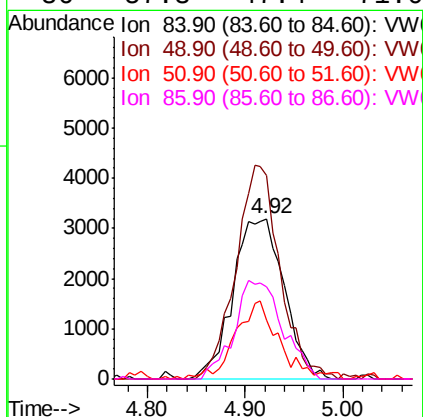
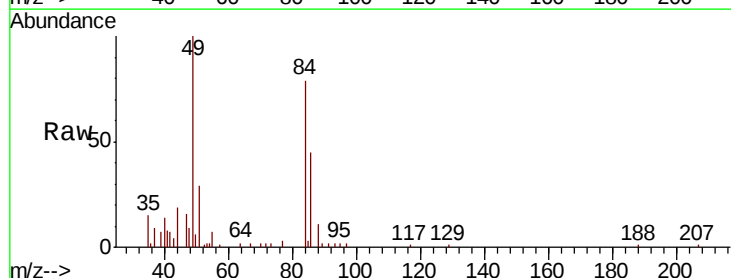
Instrument :
MSVOA_W
ClientSampleId :

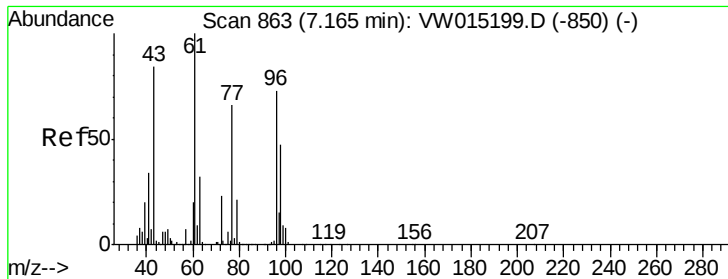
Tot Ion: 43 Resp: 9176
Ion Ratio Lower Upper
43 100
58 25.0 27.0 40.4#



#20
Methylene Chloride
Concen: 2.678 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW015210.D
Acq: 15 Apr 2020 18:49

Tgt Ion: 84 Resp: 11597
Ion Ratio Lower Upper
84 100
49 126.9 95.4 143.0
51 34.4 29.8 44.8
86 57.3 47.4 71.0





#25

2-Butanone

Concen: 2.010 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW015210.D

Acq: 15 Apr 2020 18:49

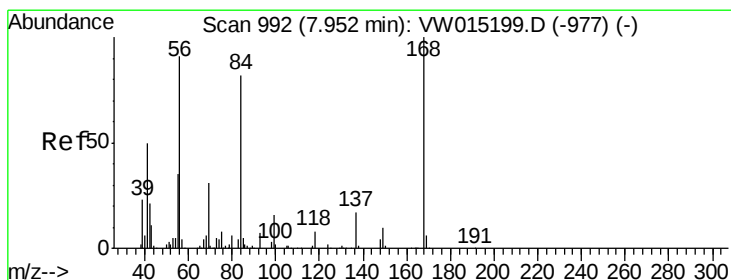
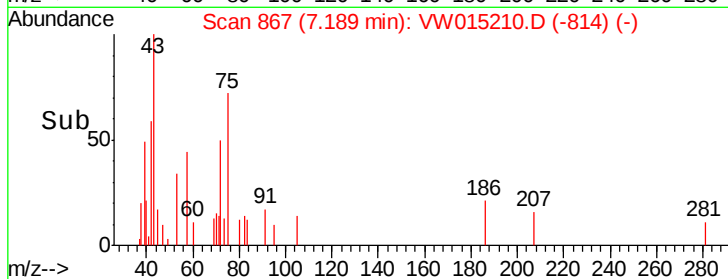
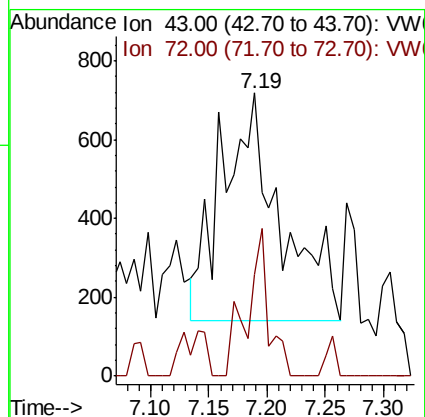
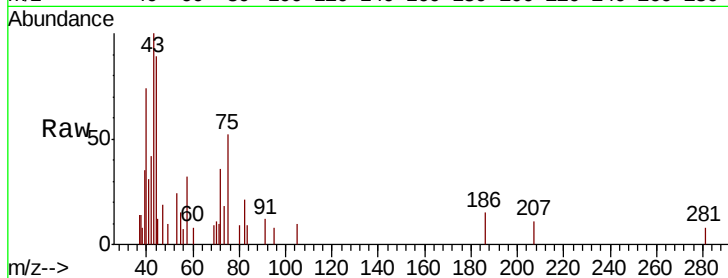
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 2011

Ion Ratio Lower Upper

43 100

72 44.4 21.6 32.4#



#31

Cyclohexane

Concen: 1.210 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015210.D

Acq: 15 Apr 2020 18:49

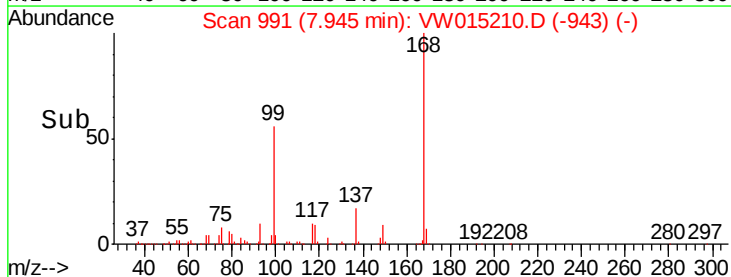
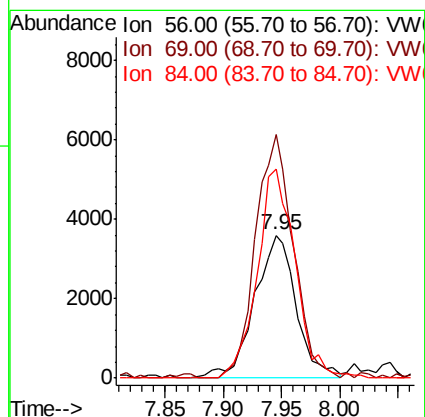
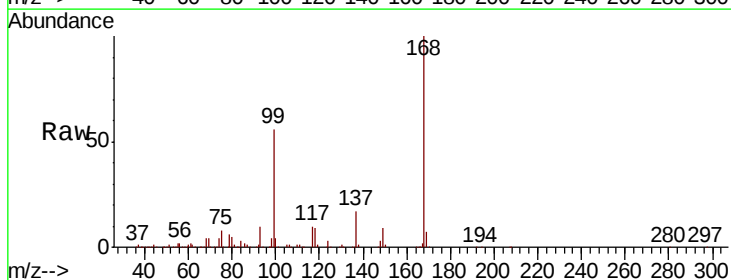
Tgt Ion: 56 Resp: 8874

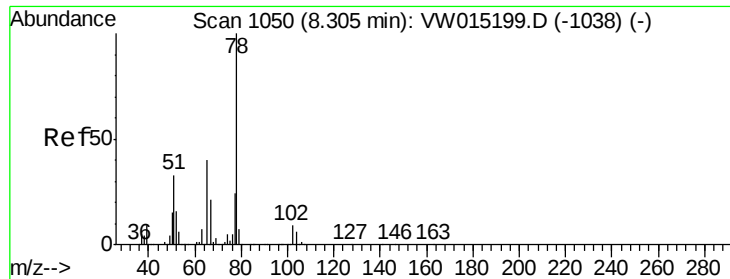
Ion Ratio Lower Upper

56 100

69 170.4 27.1 40.7#

84 146.7 71.9 107.9#





#33

1,2-Dichloroethane-d4

Concen: 58.171 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW015210.D

Acq: 15 Apr 2020 18:49

Instrument :

MSVOA_W

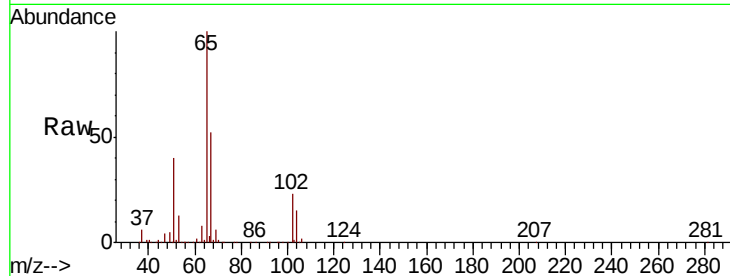
ClientSampled :

Tot Ion: 65 Resp: 204192

Ion Ratio Lower Upper

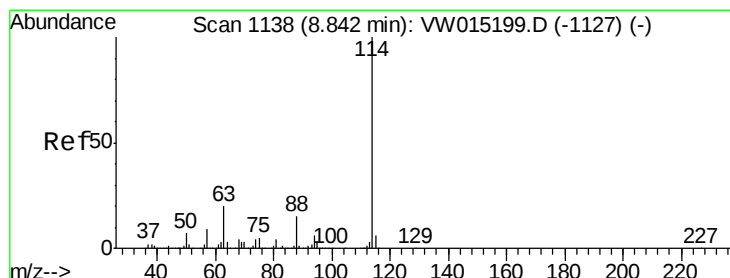
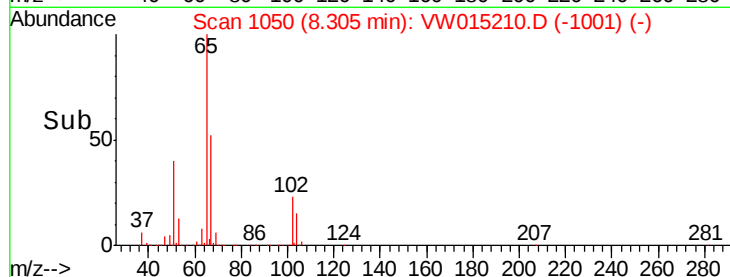
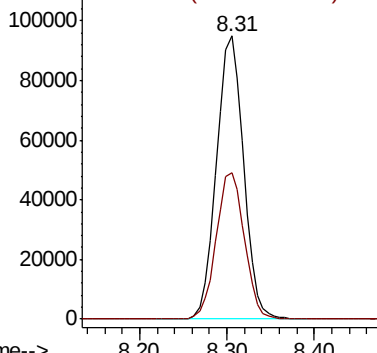
65 100

67 54.1 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW015210.D

Acq: 15 Apr 2020 18:49

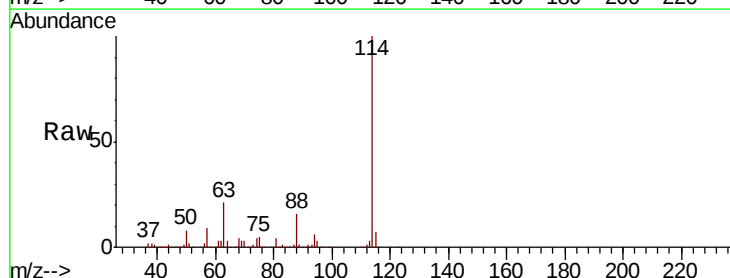
Tgt Ion: 114 Resp: 616537

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.8

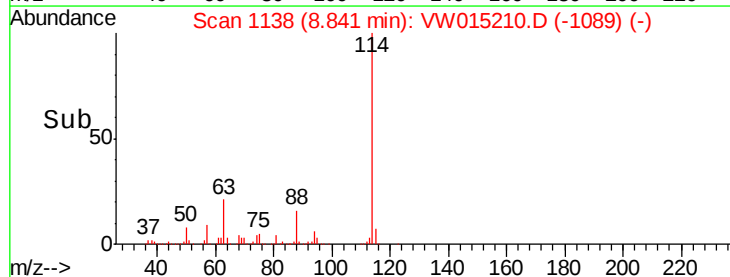
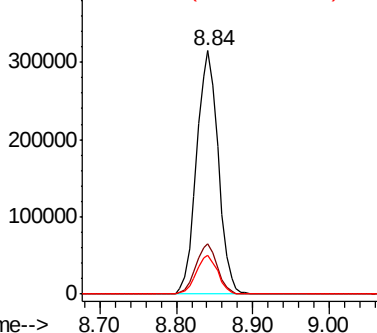
88 15.9 0.0 30.2

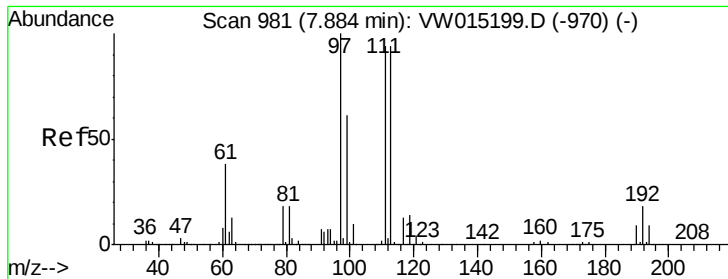


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

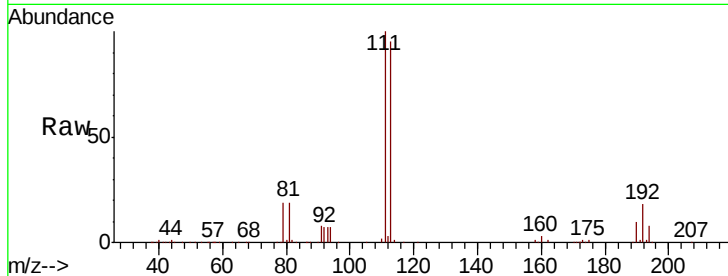




#35
 Dibromofluoromethane
 Concen: 58.595 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW015210.D
 Acq: 15 Apr 2020 18:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.0	124.4
192	19.1	15.1	22.7

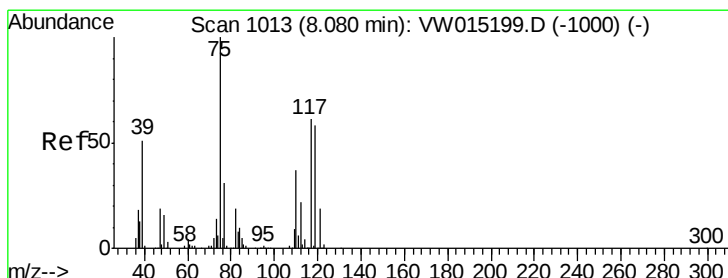
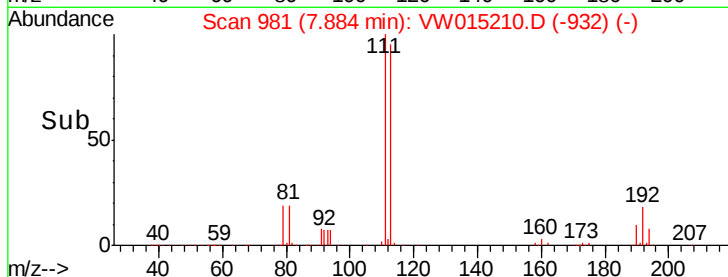
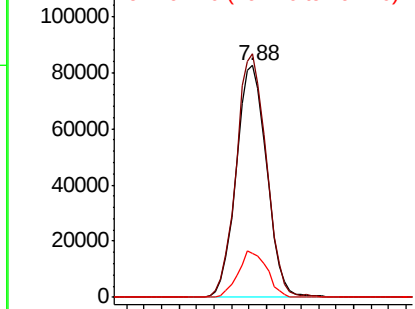


Abundance

Ion 112.80 (112.50 to 113.50): V

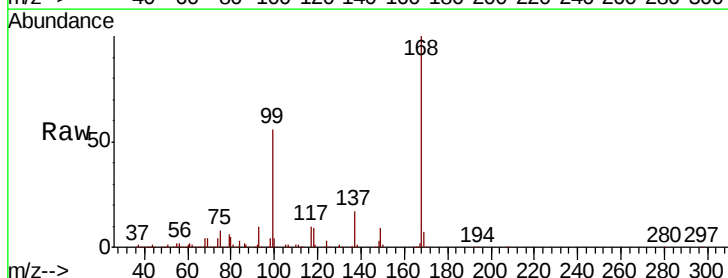
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 5.083 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW015210.D
 Acq: 15 Apr 2020 18:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.1	24.5	36.7#

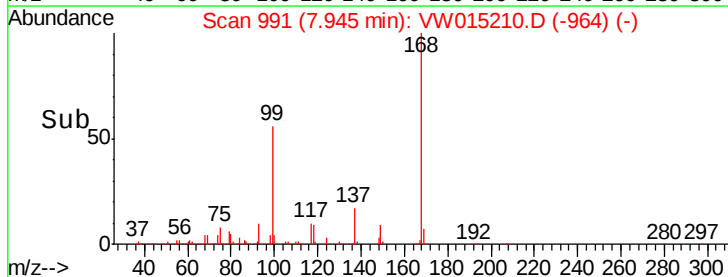
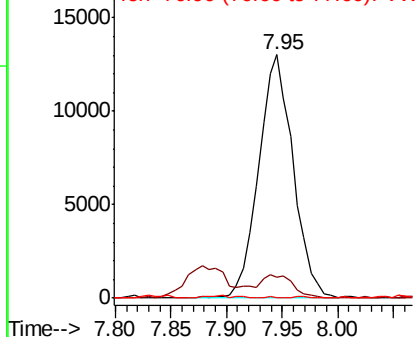


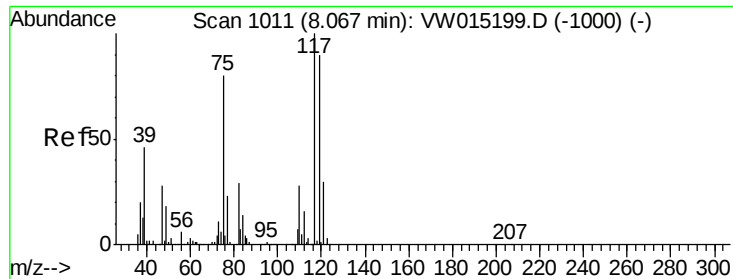
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

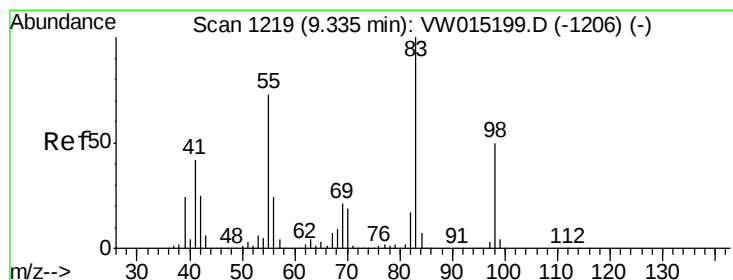
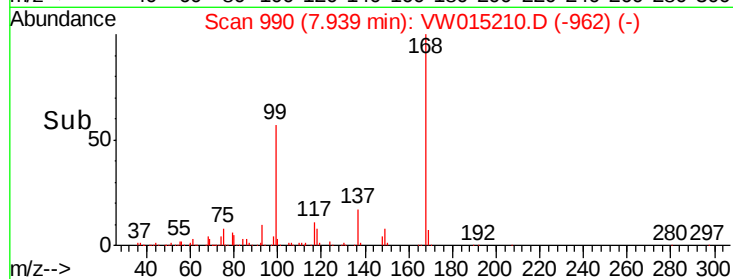
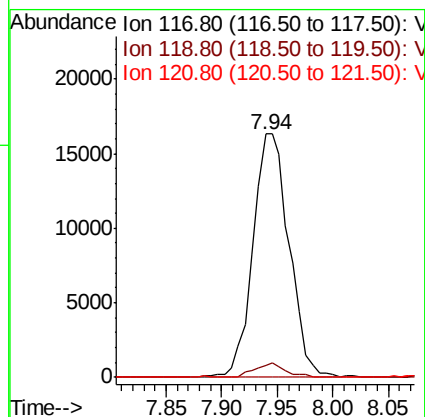
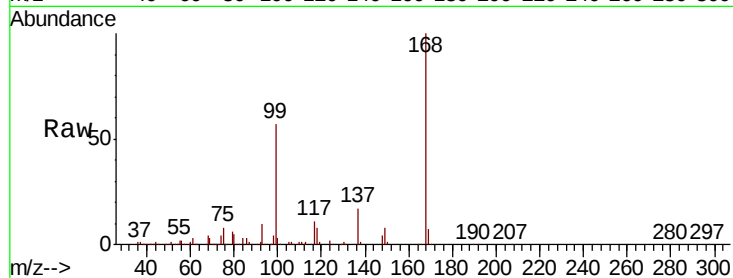




#38
Carbon Tetrachloride
Concen: 7.275 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW015210.D
Acq: 15 Apr 2020 18:49

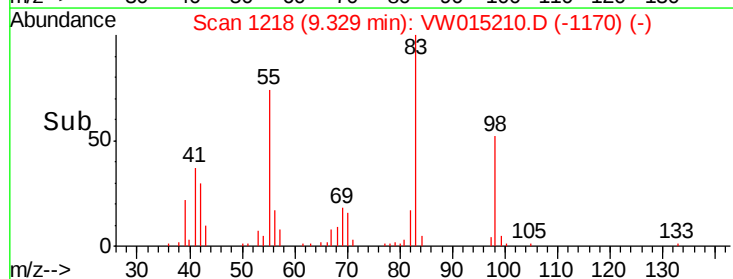
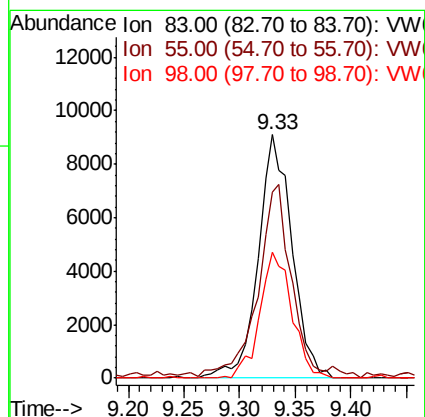
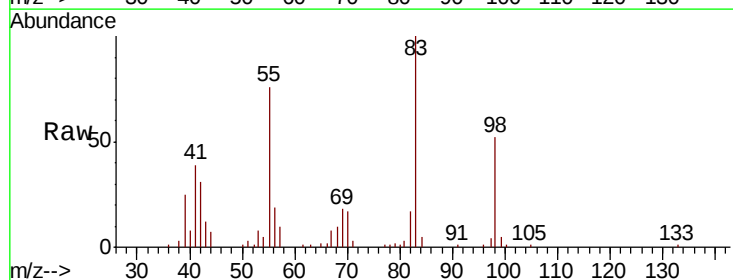
Instrument :
MSVOA_W
ClientSampled :

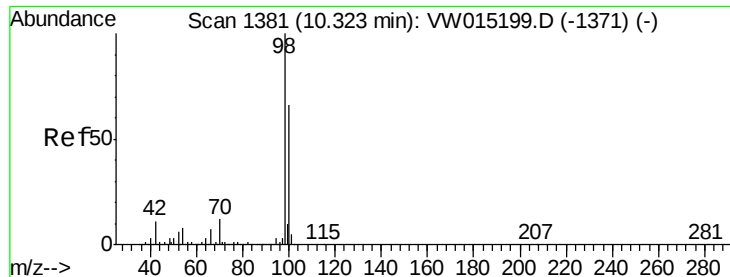
Tot Ion:117 Resp: 36837
Ion Ratio Lower Upper
117 100
119 5.1 72.3 108.5#
121 0.0 23.7 35.5#



#39
Methylcyclohexane
Concen: 2.588 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW015210.D
Acq: 15 Apr 2020 18:49

Tgt Ion: 83 Resp: 19158
Ion Ratio Lower Upper
83 100
55 74.1 58.1 87.1
98 51.5 40.2 60.4

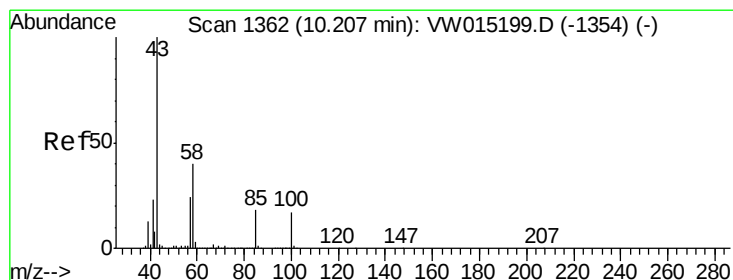
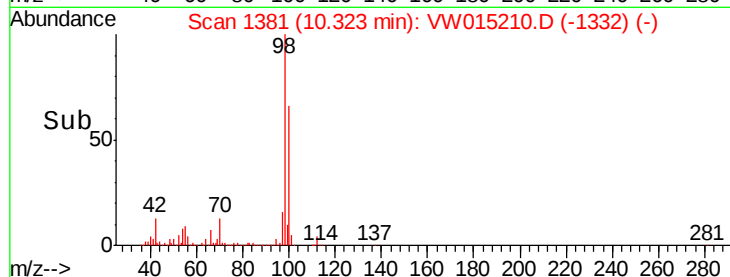
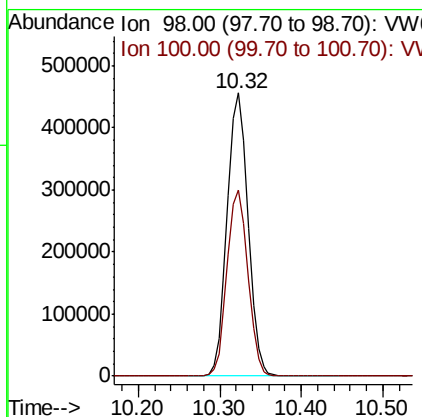
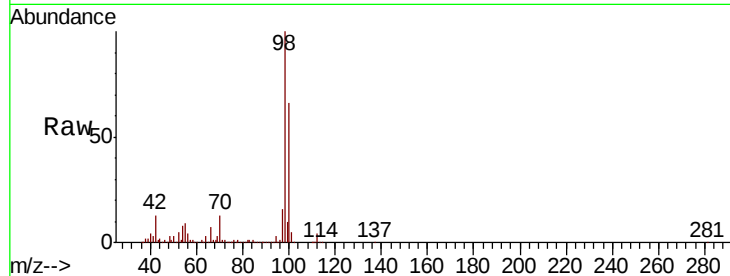




#50
Toluene-d8
Concen: 58.275 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015210.D
Acq: 15 Apr 2020 18:49

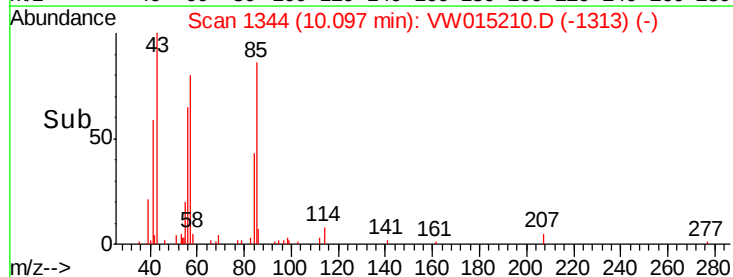
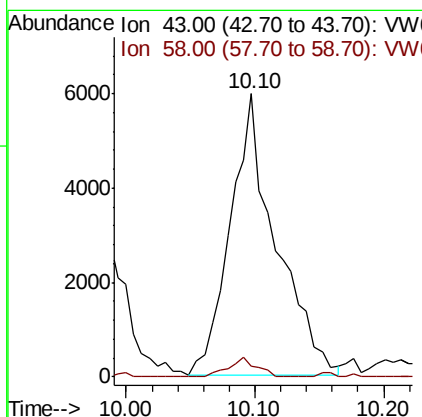
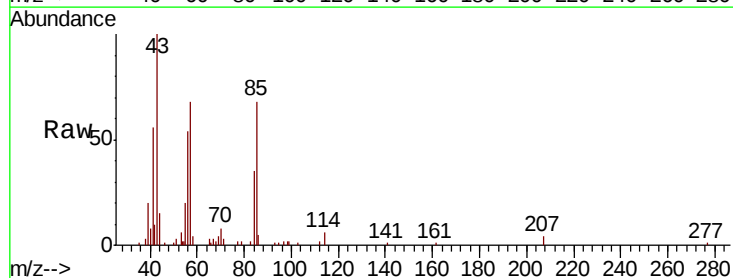
Instrument :
MSVOA_W
ClientSampled :

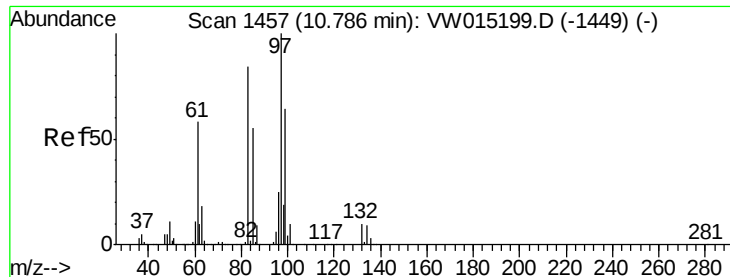
Tot Ion: 98 Resp: 807116
Ion Ratio Lower Upper
98 100
100 65.5 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 6.154 ug/l
RT: 10.10 min Scan# 1344
Delta R.T. -0.11 min
Lab File: VW015210.D
Acq: 15 Apr 2020 18:49

Tgt Ion: 43 Resp: 14580
Ion Ratio Lower Upper
43 100
58 4.1 32.3 48.5#

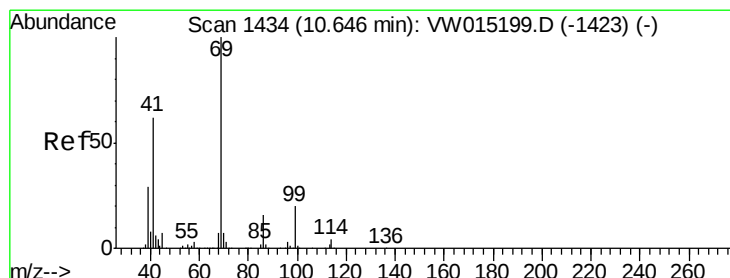
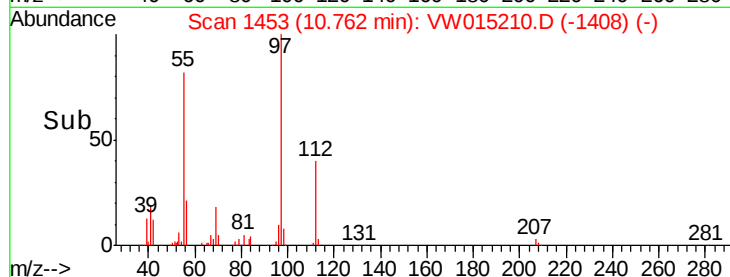
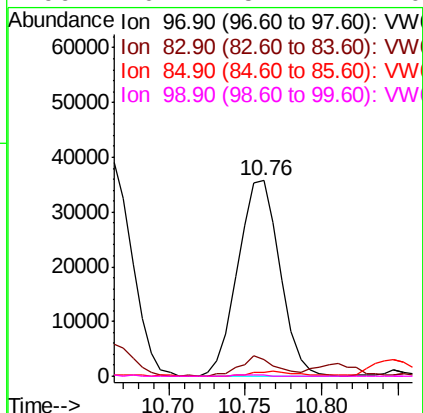
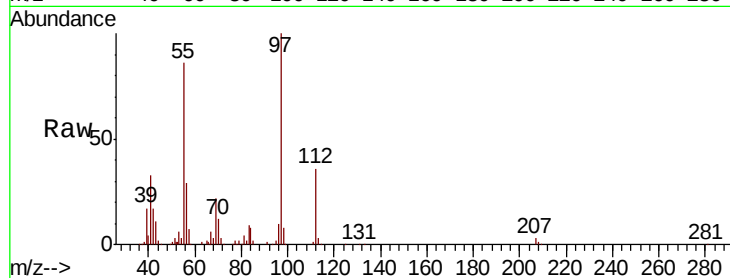




#55
 1,1,2-Trichloroethane
 Concen: 25.087 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW015210.D
 Acq: 15 Apr 2020 18:49

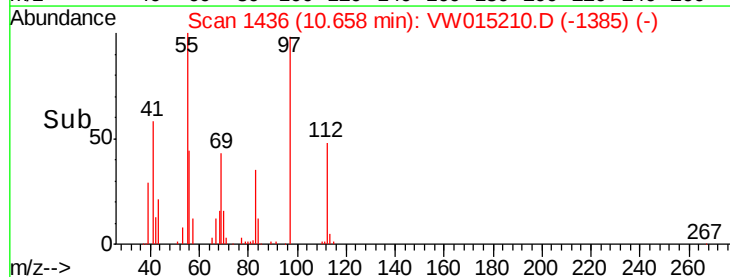
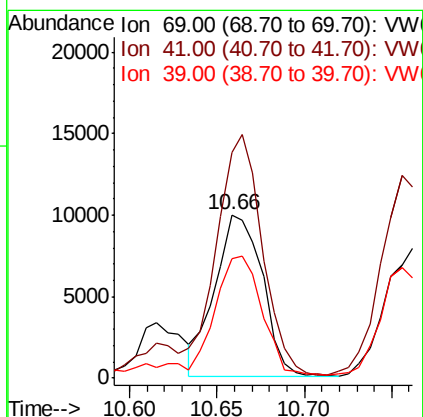
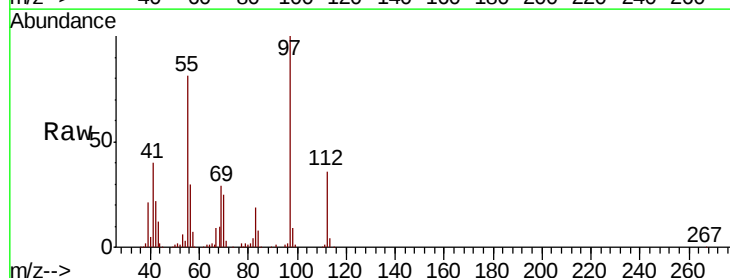
Instrument :
 MSVOA_W
 ClientSampleId :

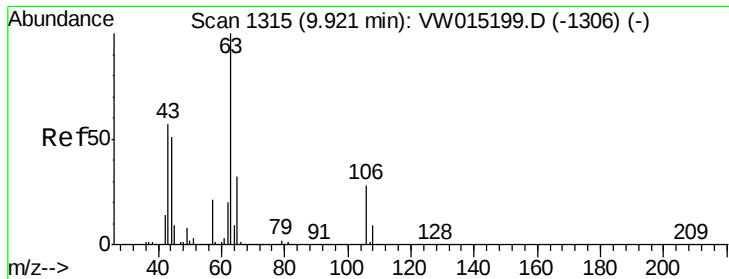
Tot Ion: 97 Resp: 68357
 Ion Ratio Lower Upper
 97 100
 83 8.2 67.3 100.9#
 85 2.1 43.8 65.8#
 99 0.4 51.4 77.0#



#56
 Ethyl methacrylate
 Concen: 4.983 ug/l
 RT: 10.66 min Scan# 1436
 Delta R.T. 0.01 min
 Lab File: VW015210.D
 Acq: 15 Apr 2020 18:49

Tgt Ion: 69 Resp: 18712
 Ion Ratio Lower Upper
 69 100
 41 144.1 51.3 76.9#
 39 82.0 24.6 37.0#





#58

2-Chloroethyl Vinyl ether

Concen: 1.346 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW015210.D

Acq: 15 Apr 2020 18:49

Instrument :

MSVOA_W

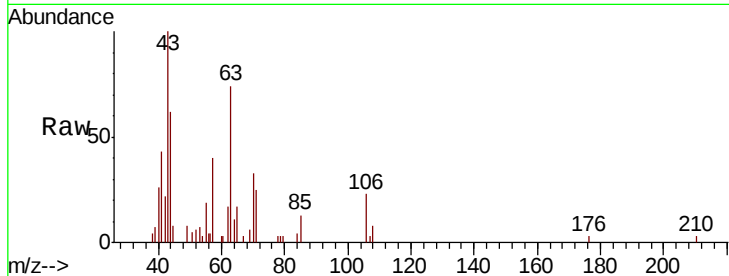
ClientSampleId :

Tot Ion: 63 Resp: 2502

Ion Ratio Lower Upper

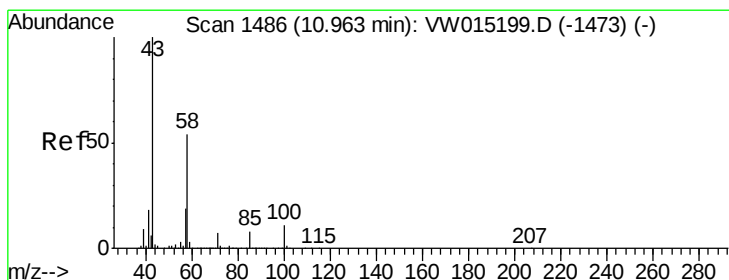
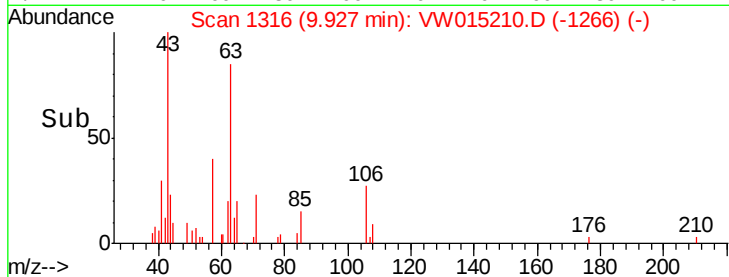
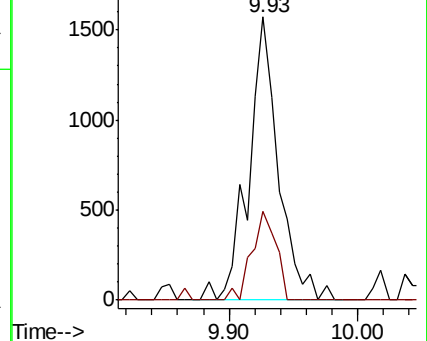
63 100

106 25.3 22.6 33.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 20.238 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.03 min

Lab File: VW015210.D

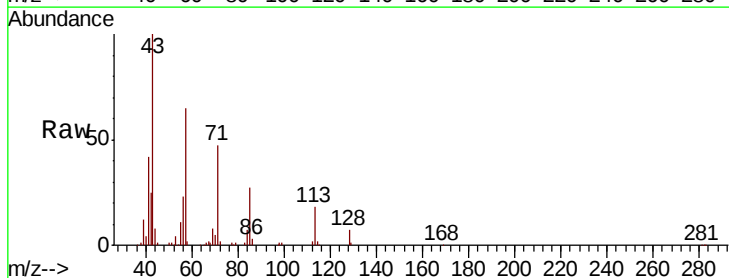
Acq: 15 Apr 2020 18:49

Tgt Ion: 43 Resp: 30094

Ion Ratio Lower Upper

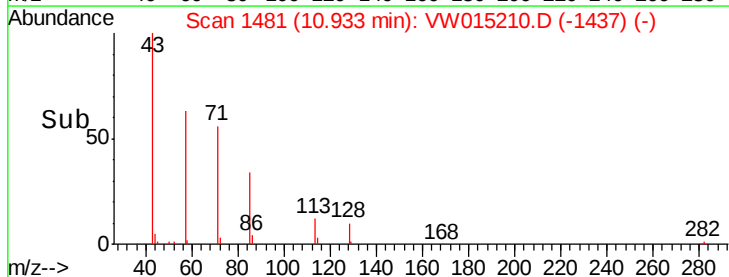
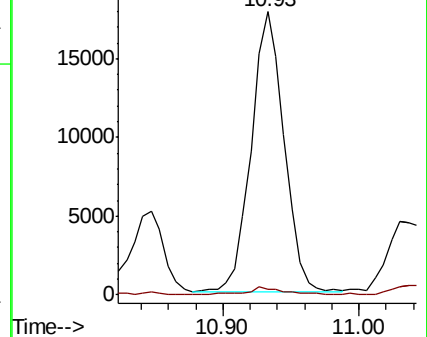
43 100

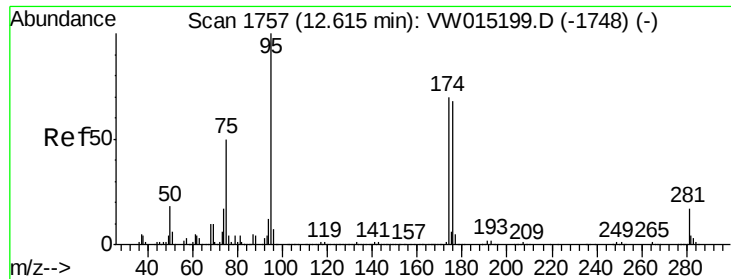
58 3.2 28.1 84.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

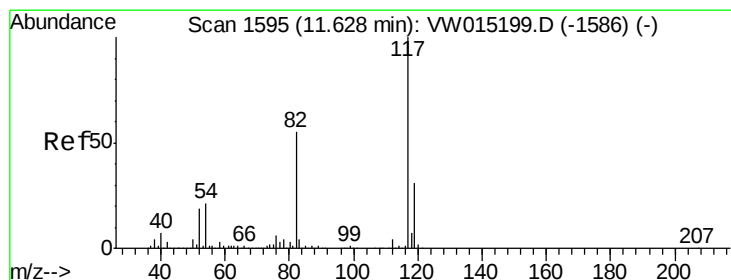
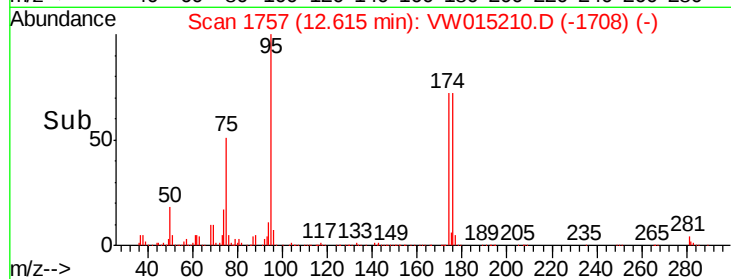
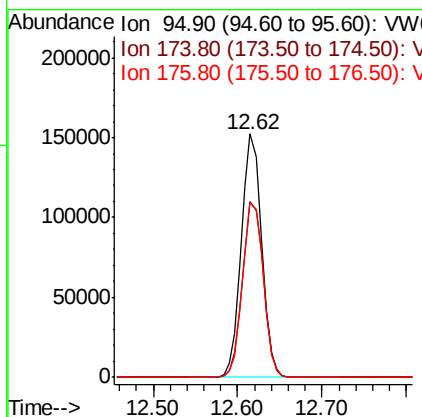
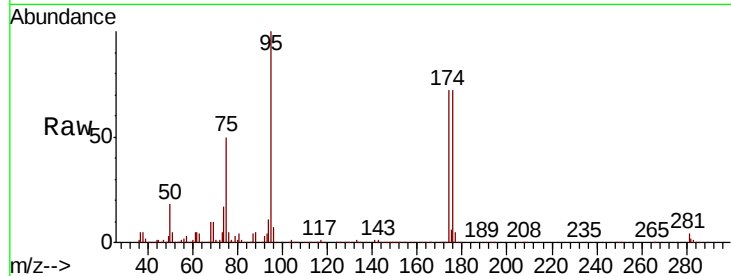




#62
4-Bromofluorobenzene
Concen: 50.396 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW015210.D
Acq: 15 Apr 2020 18:49

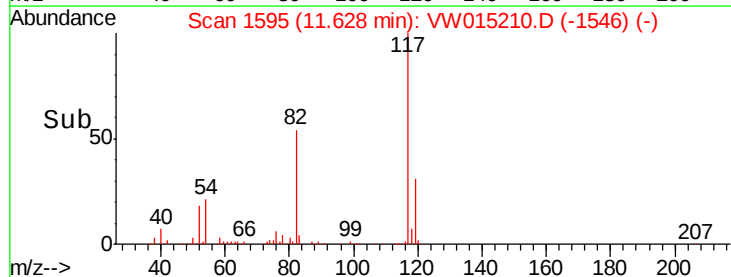
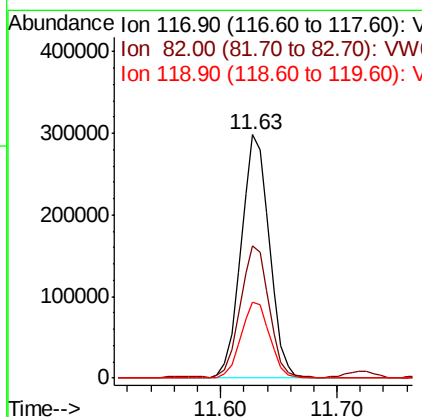
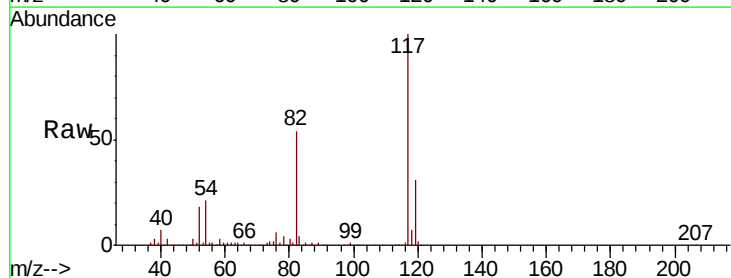
Instrument :
MSVOA_W
ClientSampleId :

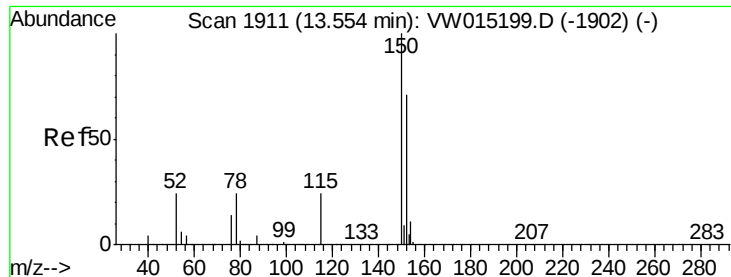
Tot Ion: 95 Resp: 244468
Ion Ratio Lower Upper
95 100
174 74.2 0.0 144.4
176 73.2 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW015210.D
Acq: 15 Apr 2020 18:49

Tgt Ion: 117 Resp: 504705
Ion Ratio Lower Upper
117 100
82 53.7 44.1 66.1
119 31.2 24.9 37.3



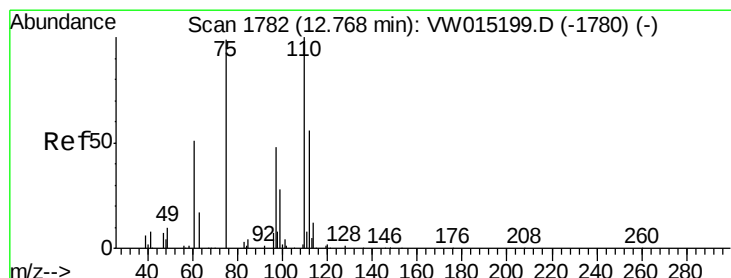
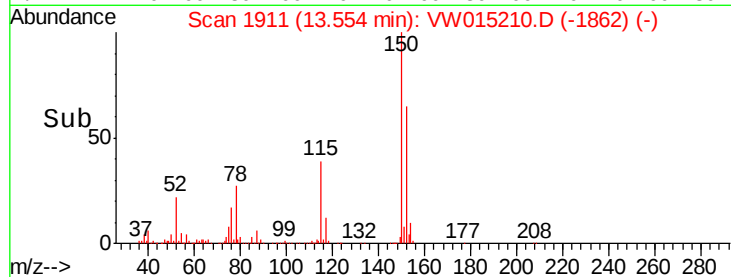
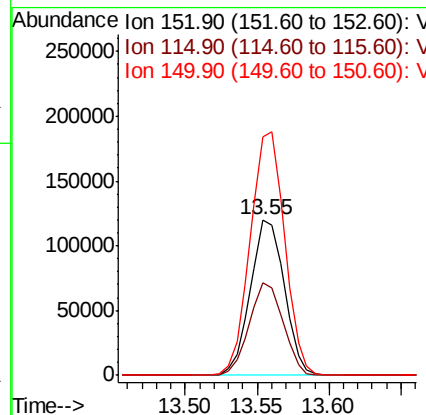
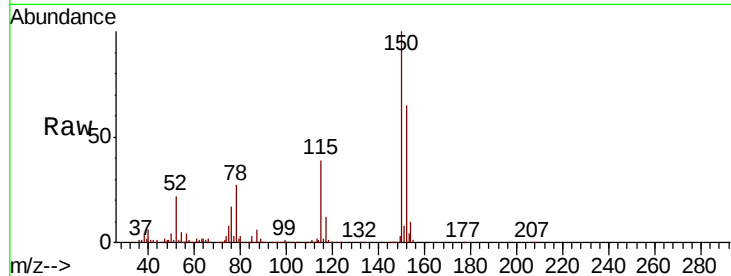


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW015210.D
Acq: 15 Apr 2020 18:49

Instrument :
MSVOA_W
ClientSampleId :

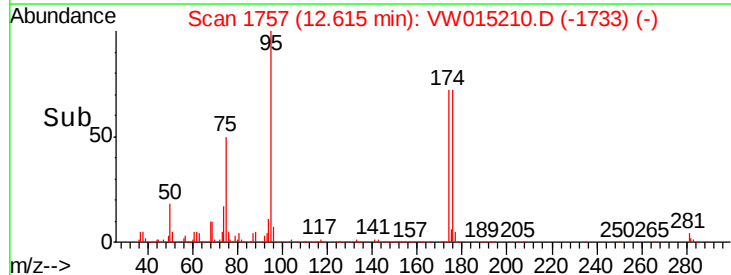
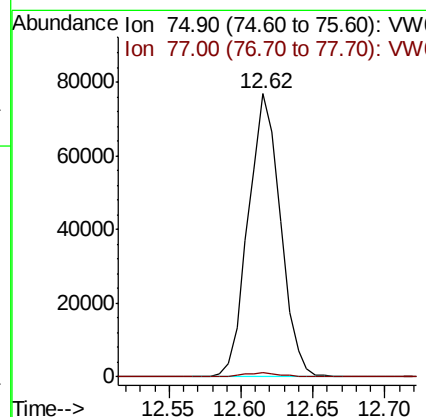
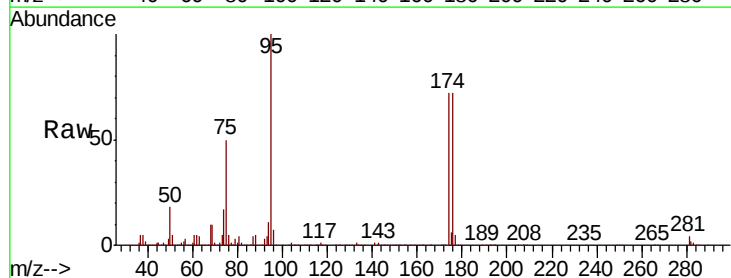
Tot Ion	Ratio	Lower	Upper
152	100		
115	59.6	31.3	93.9
150	158.6	0.0	343.4

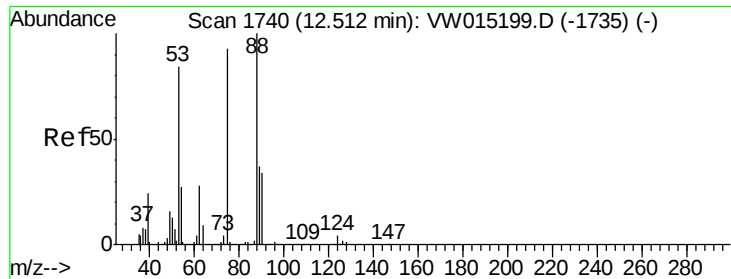


#76

1,2,3-Trichloropropane
Concen: 70.991 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW015210.D
Acq: 15 Apr 2020 18:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.8	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 137.349 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015210.D

Acq: 15 Apr 2020 18:49

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 118793

Ion Ratio Lower Upper

75 100

53 0.4 69.4 104.2#

89 0.0 34.8 52.2#

