

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012320\
 Data File : VW014730.D
 Acq On : 23 Jan 2020 17:55
 Operator : SY/VA
 Sample : L1243-05
 Misc : 7.36G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 24 04:13:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	529298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	848505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	561109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	123185	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	316096	68.30	ug/l	0.00
Spiked Amount			Recovery	=	136.60%	
35) Dibromofluoromethane	7.88	113	195551	40.33	ug/l	0.00
Spiked Amount			Recovery	=	80.66%	
50) Toluene-d8	10.32	98	1003393	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.62	95	197579	28.78	ug/l	0.00
Spiked Amount			Recovery	=	57.56%	

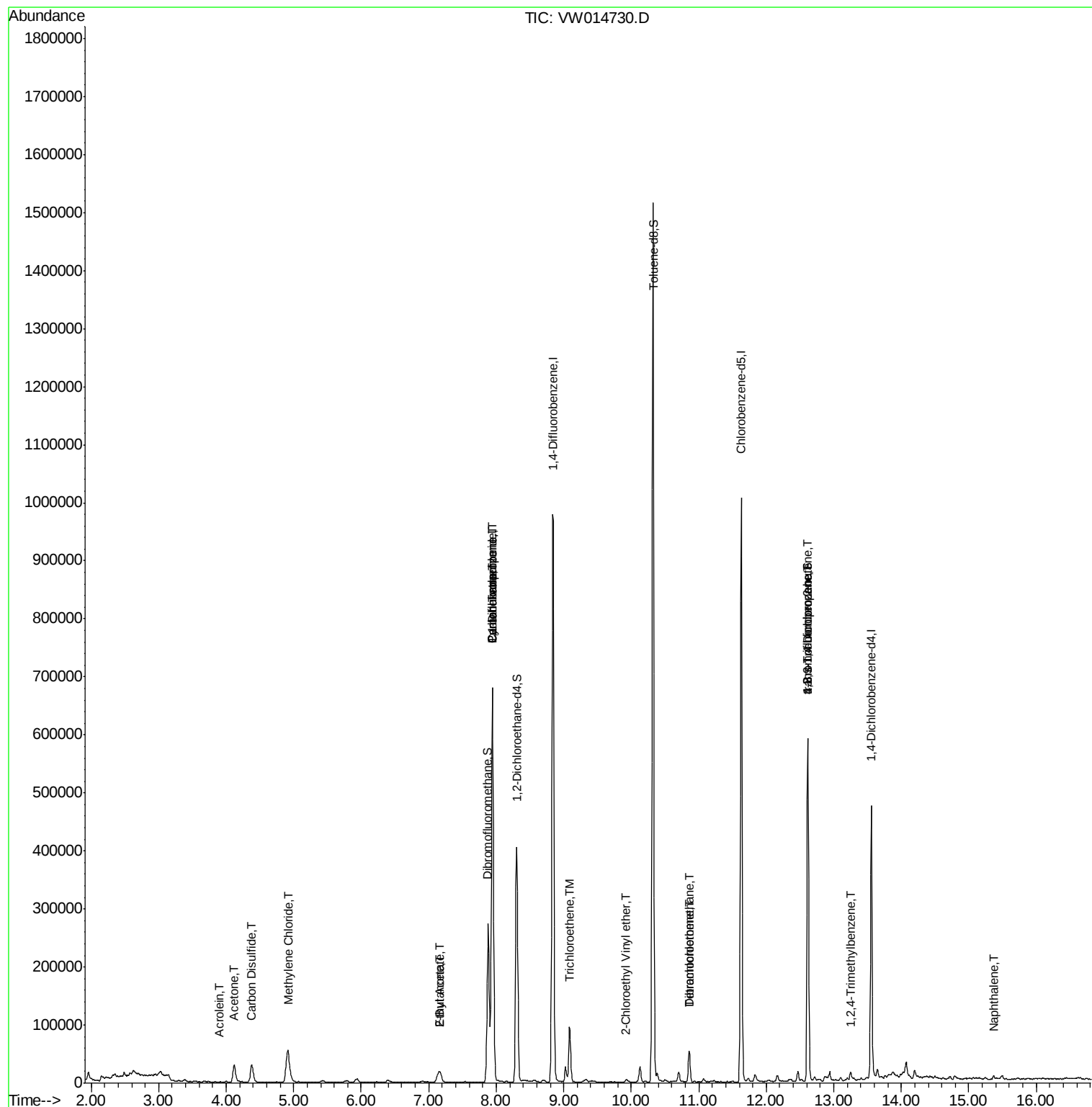
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	620	Below Cal	#	73
13) Acrolein	3.90	56	536	1.327	ug/l #	14
16) Acetone	4.12	43	53170	40.690	ug/l	97
17) Carbon Disulfide	4.38	76	65151	4.104	ug/l #	95
20) Methylene Chloride	4.92	84	47633	4.941	ug/l	93
25) 2-Butanone	7.17	43	11716	6.987	ug/l	93
31) Cyclohexane	7.94	56	12169	1.232	ug/l #	6
36) 1,1-Dichloropropene	7.94	75	39548	4.835	ug/l #	49
37) Ethyl Acetate	7.17	43	11796	3.180	ug/l #	25
38) Carbon Tetrachloride	7.94	117	49328	6.951	ug/l #	16
44) Trichloroethene	9.09	130	32667	5.216	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	2142	1.323	ug/l	90
60) Dibromochloromethane	10.86	129	10794	2.336	ug/l #	11
64) Tetrachloroethene	10.86	164	12505	3.078	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	95586	82.069	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	95586	182.854	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.25	105	8898	1.178	ug/l	99
95) Naphthalene	15.37	128	4651	1.126	ug/l #	88

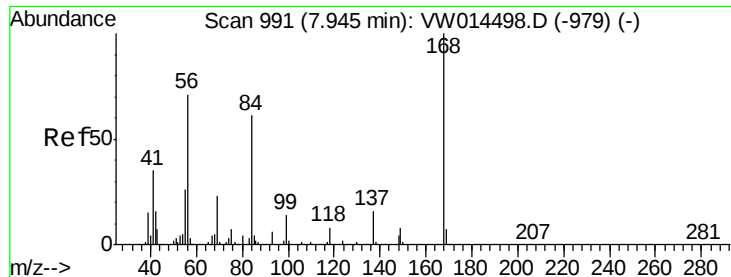
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 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: VW014730.D

Acq: 23 Jan 2020 17:55

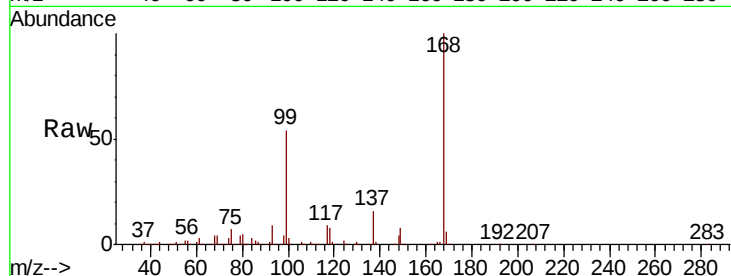
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 529298

Ion Ratio Lower Upper

168 100

99 54.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

150000

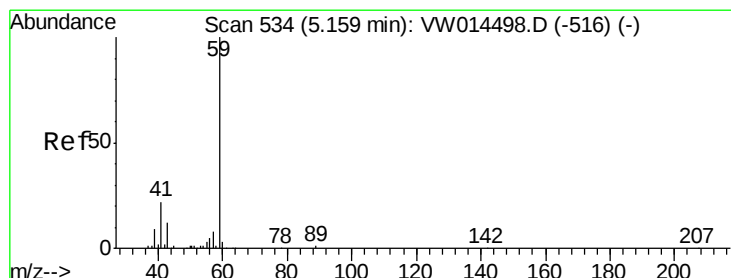
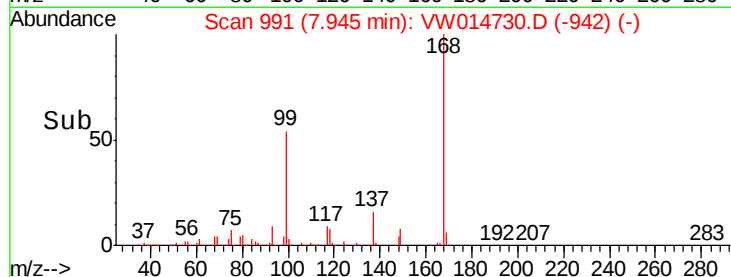
100000

50000

0

Time-->

7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW014730.D

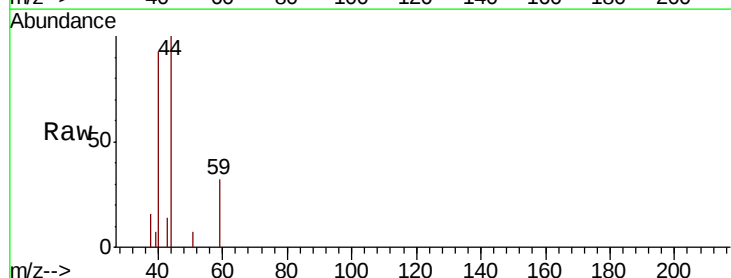
Acq: 23 Jan 2020 17:55

Tgt Ion: 59 Resp: 620

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

300

250

200

150

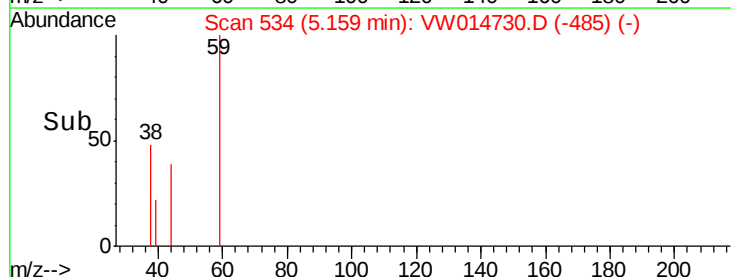
100

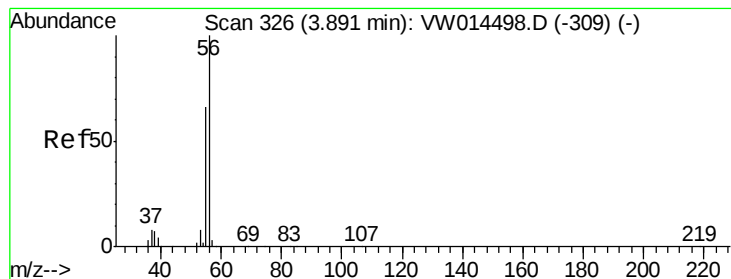
50

0

Time-->

5.15 5.20





#13

Acrolein

Concen: 1.327 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW014730.D

Acq: 23 Jan 2020 17:55

Instrument :

MSVOA_W

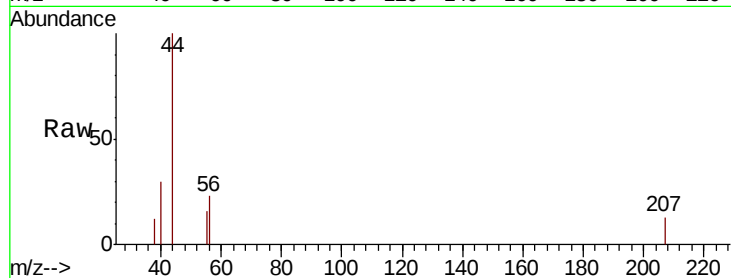
ClientSampled :

Tot Ion: 56 Resp: 536

Ion Ratio Lower Upper

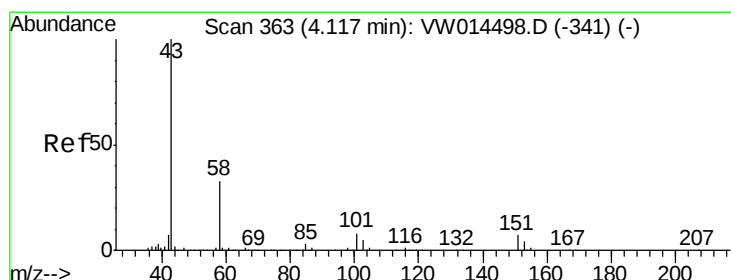
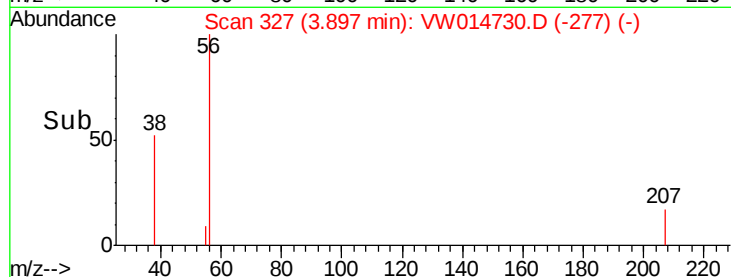
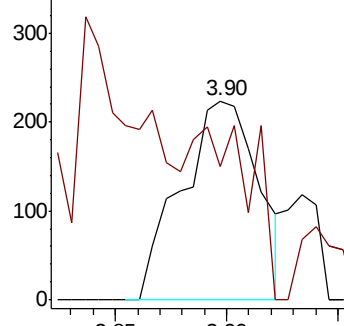
56 100

55 0.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 40.690 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014730.D

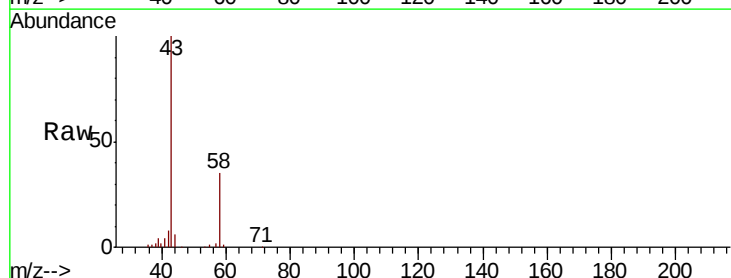
Acq: 23 Jan 2020 17:55

Tgt Ion: 43 Resp: 53170

Ion Ratio Lower Upper

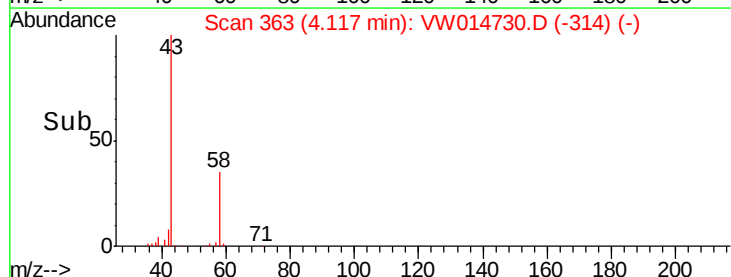
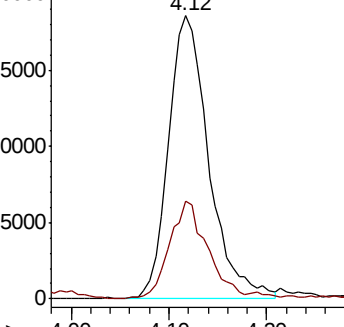
43 100

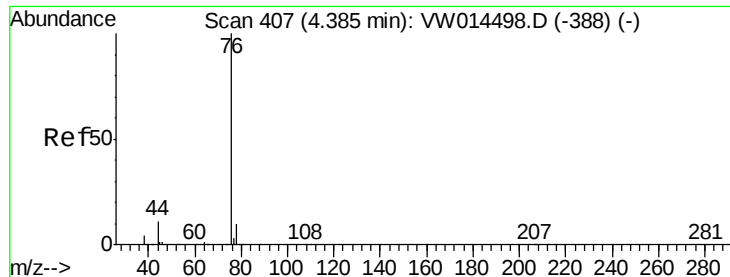
58 34.6 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

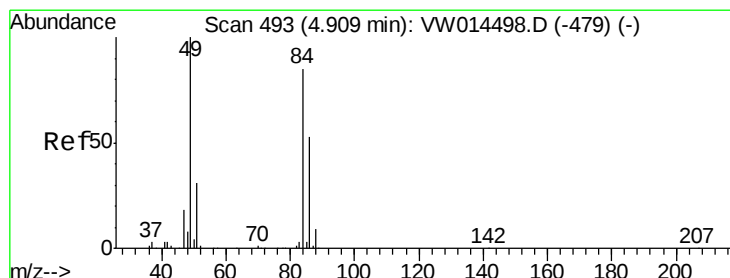
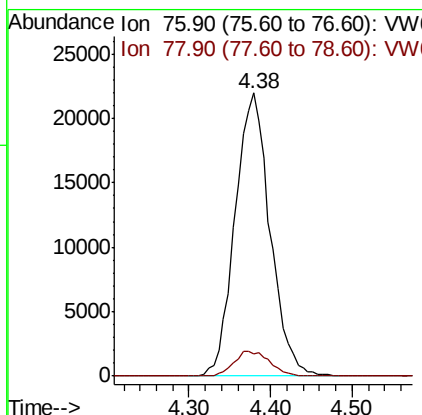
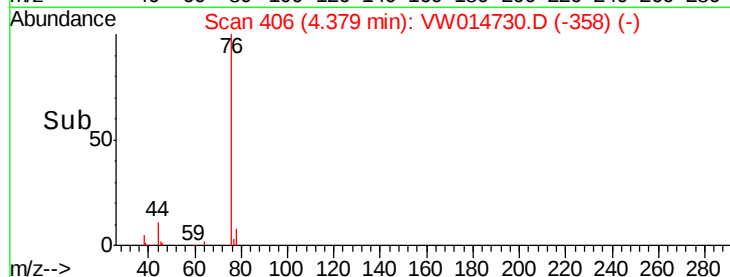
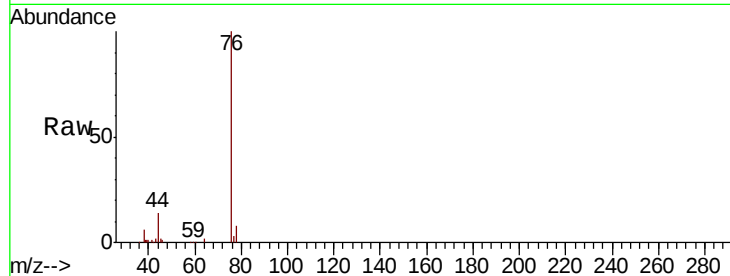




#17
Carbon Disulfide
Concen: 4.104 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014730.D
Acq: 23 Jan 2020 17:55

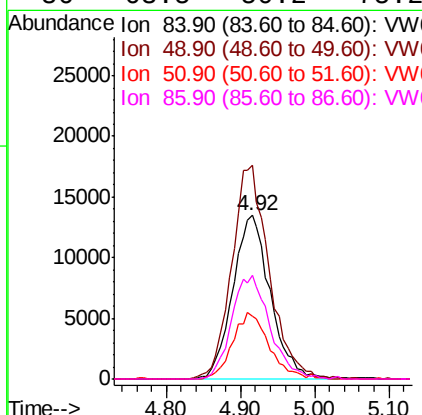
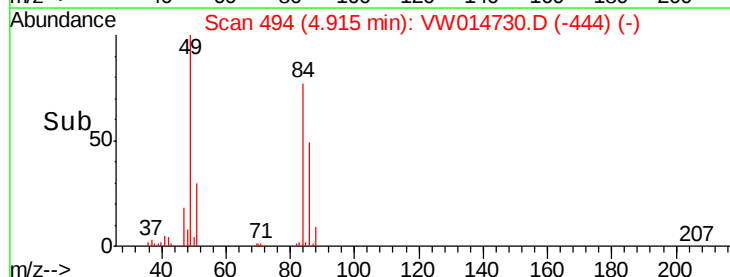
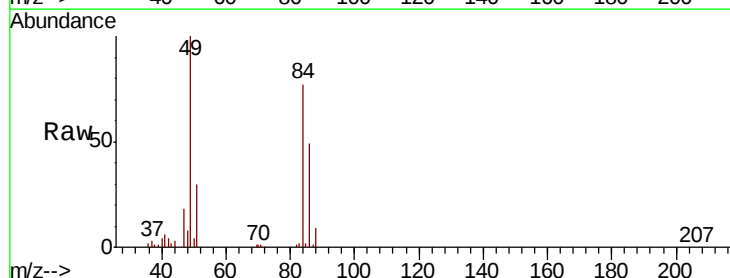
Instrument :
MSVOA_W
ClientSampleId :

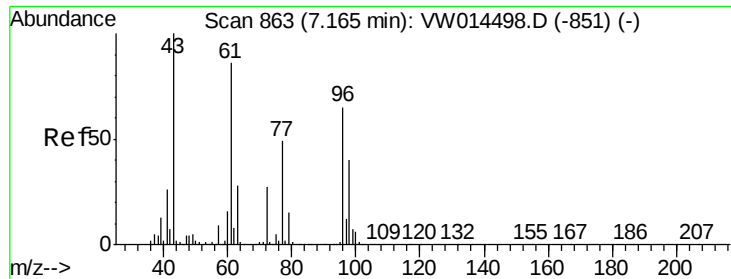
Tot Ion: 76 Resp: 65151
Ion Ratio Lower Upper
76 100
78 7.7 7.8 11.6#



#20
Methylene Chloride
Concen: 4.941 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014730.D
Acq: 23 Jan 2020 17:55

Tgt Ion: 84 Resp: 47633
Ion Ratio Lower Upper
84 100
49 130.6 94.4 141.6
51 38.7 29.5 44.3
86 63.5 50.2 75.2





#25

2-Butanone

Concen: 6.987 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014730.D

Acq: 23 Jan 2020 17:55

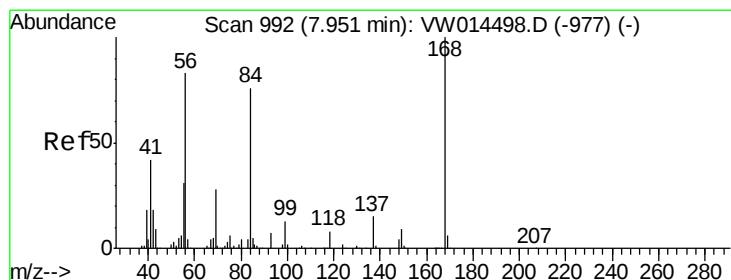
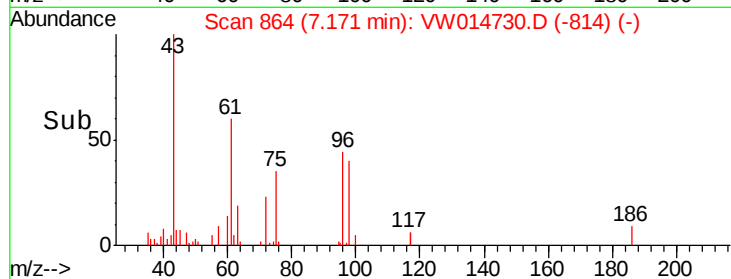
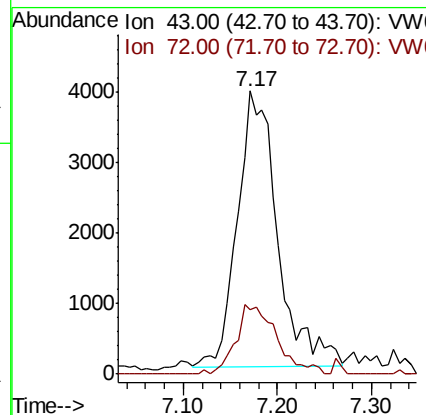
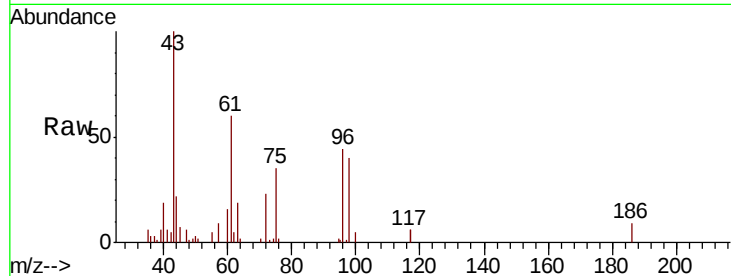
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 11716

Ion Ratio Lower Upper

43 100

72 23.7 21.9 32.9



#31

Cyclohexane

Concen: 1.232 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW014730.D

Acq: 23 Jan 2020 17:55

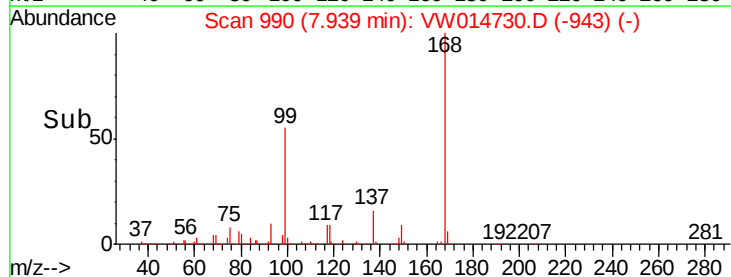
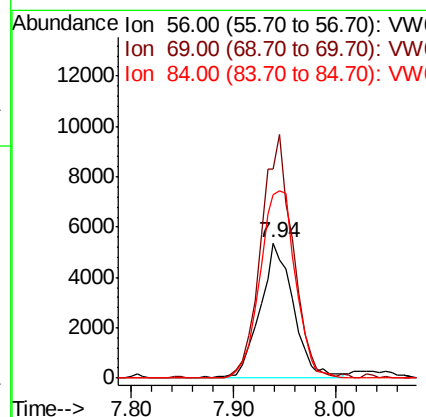
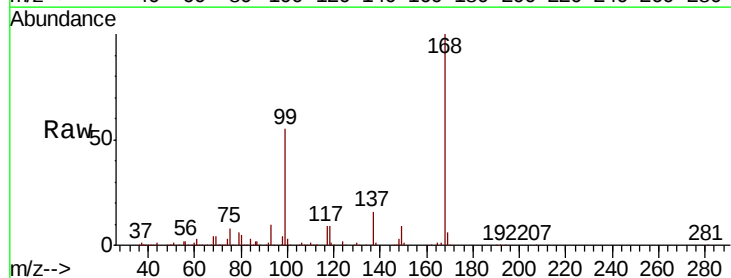
Tgt Ion: 56 Resp: 12169

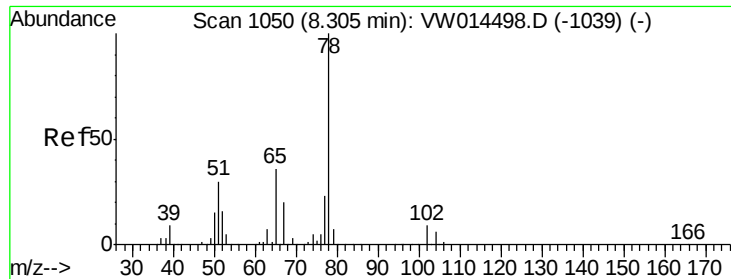
Ion Ratio Lower Upper

56 100

69 154.9 26.8 40.2#

84 135.8 71.8 107.6#

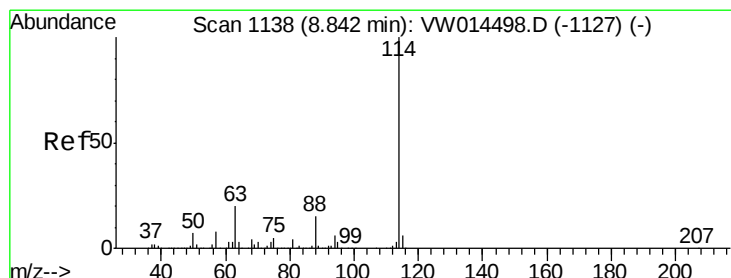
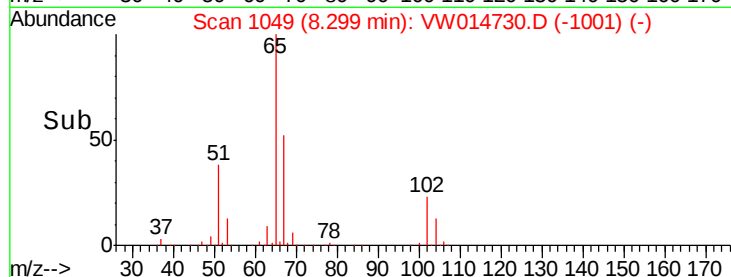
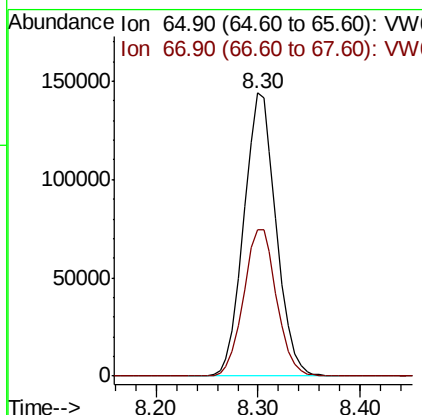
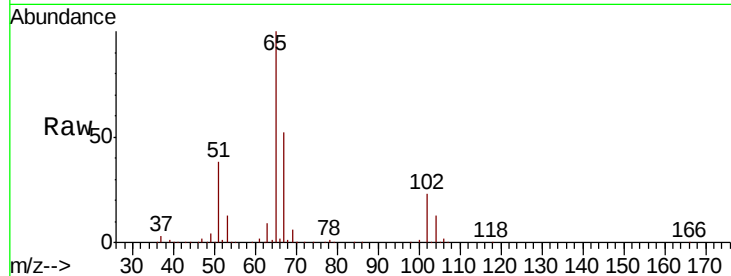




#33
 1,2-Dichloroethane-d4
 Concen: 68.305 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014730.D
 Acq: 23 Jan 2020 17:55

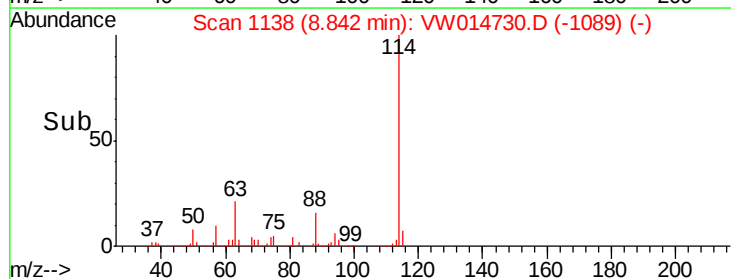
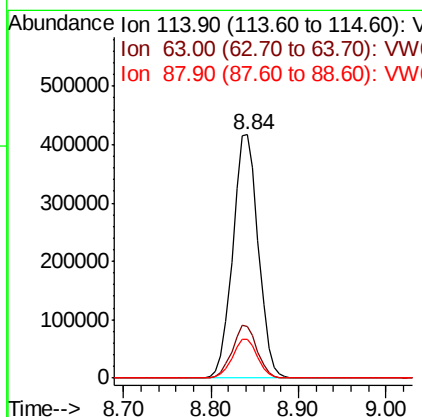
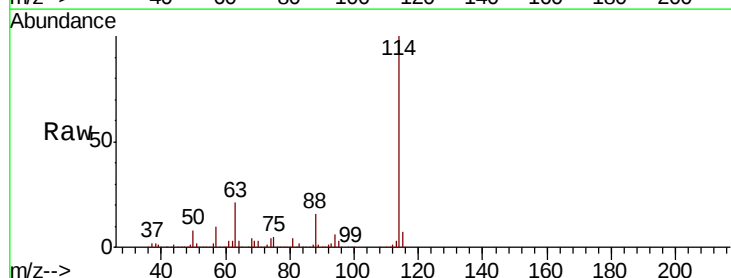
Instrument :
 MSVOA_W
 ClientSampleId :

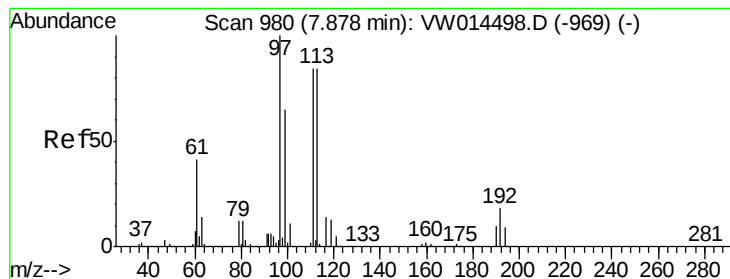
Tot Ion: 65 Resp: 316096
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW014730.D
 Acq: 23 Jan 2020 17:55

Tgt Ion: 114 Resp: 848505
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.4
 88 16.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 40.325 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW014730.D

Acq: 23 Jan 2020 17:55

Instrument :
MSVOA_W
ClientSampled :

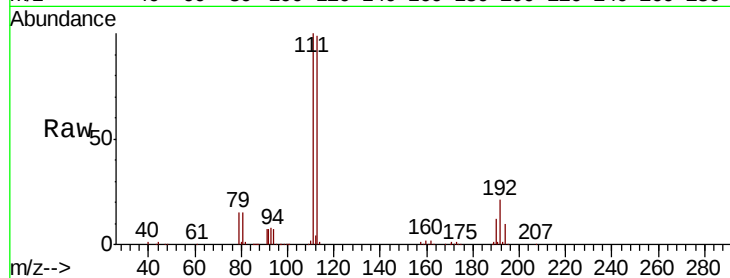
Tot Ion:113 Resp: 195551

Ion Ratio Lower Upper

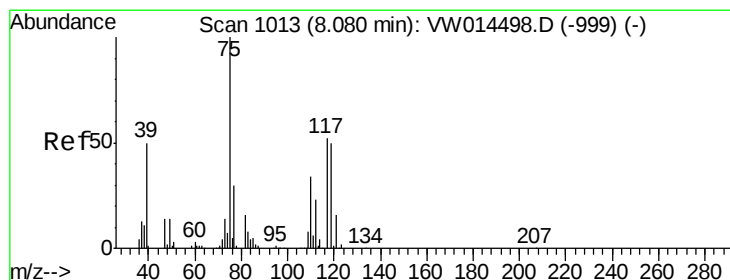
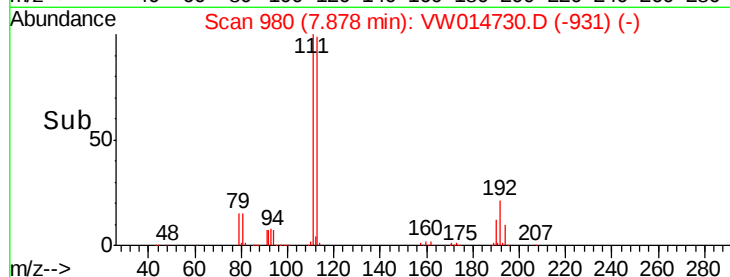
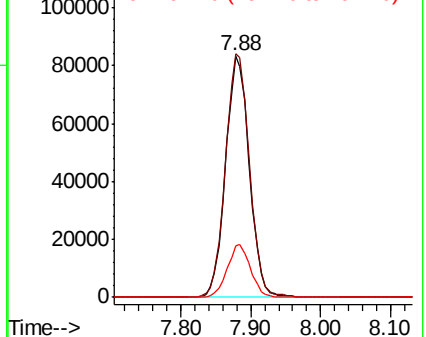
113 100

111 102.4 81.4 122.2

192 21.4 17.8 26.8



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: 4.835 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW014730.D

Acq: 23 Jan 2020 17:55

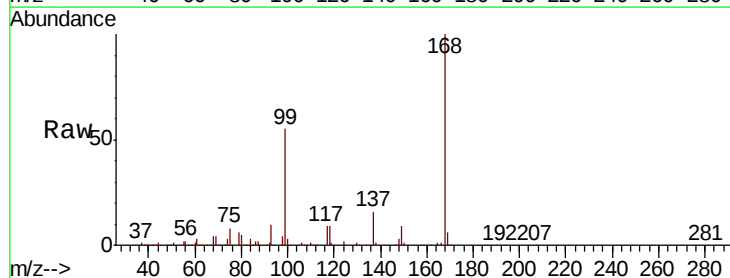
Tgt Ion: 75 Resp: 39548

Ion Ratio Lower Upper

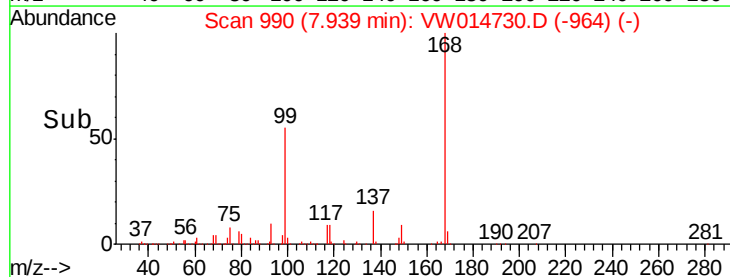
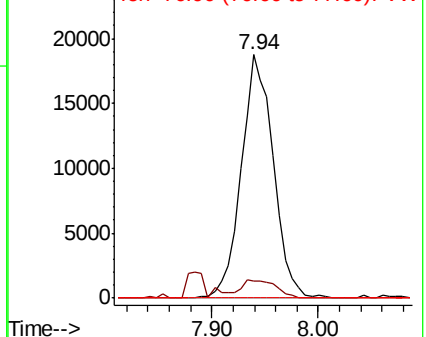
75 100

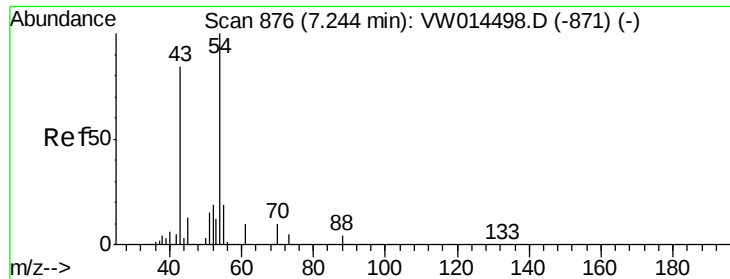
110 8.3 17.8 53.5#

77 0.0 24.7 37.1#



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





#37

Ethyl Acetate

Concen: 3.180 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.07 min

Lab File: VW014730.D

Acq: 23 Jan 2020 17:55

Instrument :
MSVOA_W
ClientSampled :

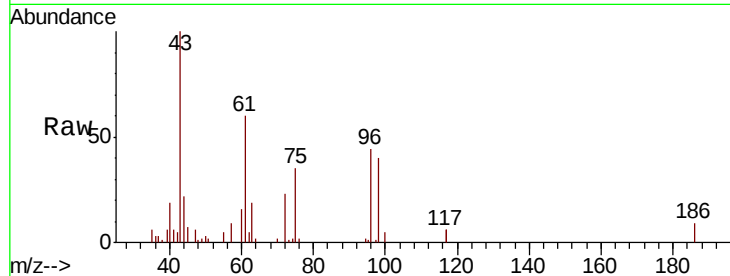
Tot Ion: 43 Resp: 11796

Ion Ratio Lower Upper

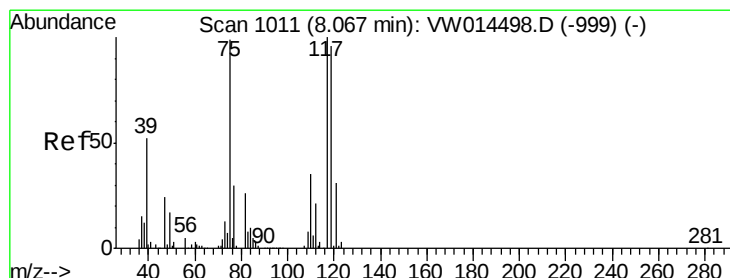
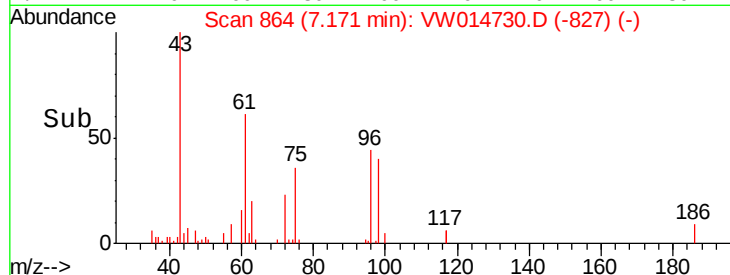
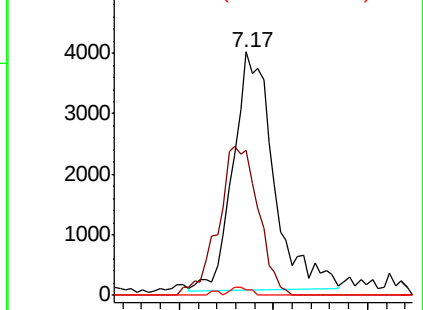
43 100

61 61.4 11.7 17.5#

70 1.6 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.951 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW014730.D

Acq: 23 Jan 2020 17:55

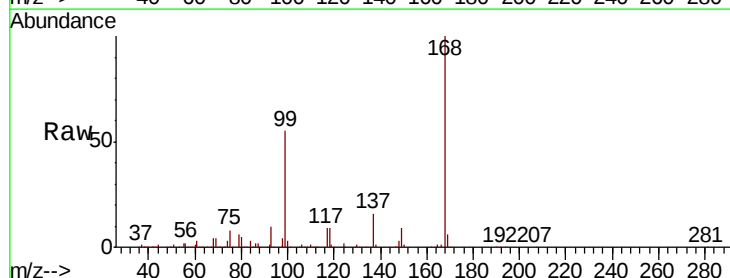
Tgt Ion: 117 Resp: 49328

Ion Ratio Lower Upper

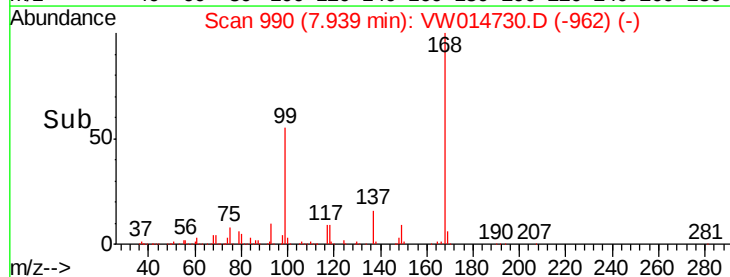
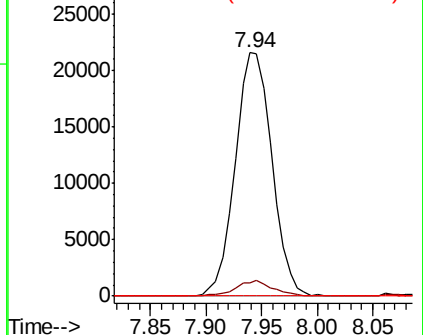
117 100

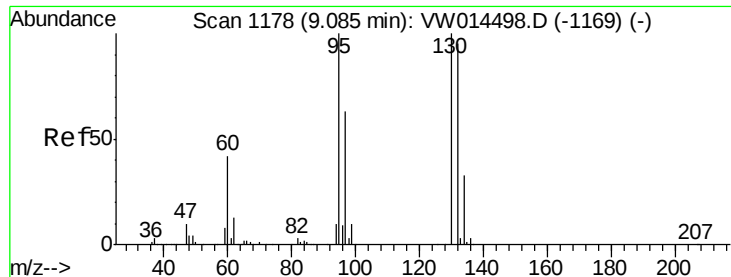
119 5.4 77.0 115.6#

121 0.0 24.6 36.8#



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





#44

Trichloroethene

Concen: 5.216 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014730.D

Acq: 23 Jan 2020 17:55

Instrument :

MSVOA_W

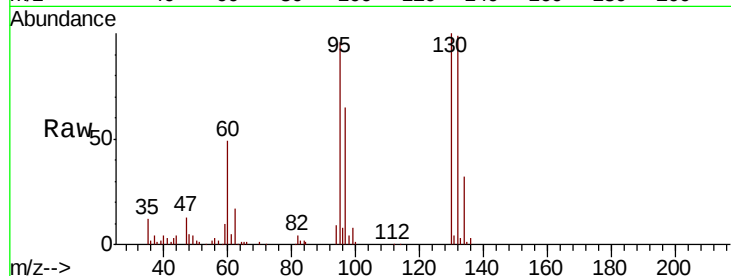
ClientSampleId :

Tot Ion:130 Resp: 32667

Ion Ratio Lower Upper

130 100

95 96.0 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): VW014498.D (-1169) (-)

Ion 94.90 (94.60 to 95.60): VW014498.D (-1169) (-)

9.09

15000

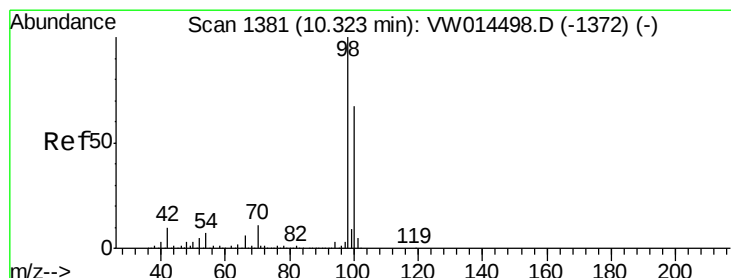
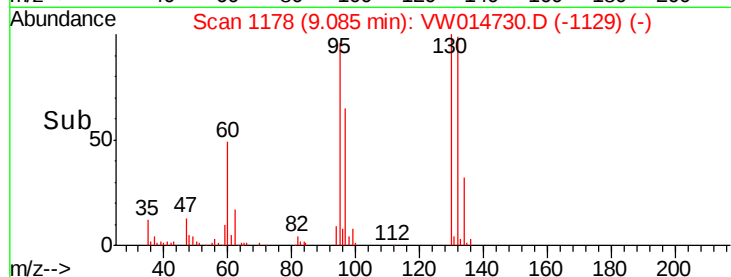
10000

5000

0

Time-->

9.00 9.05 9.10 9.15



#50

Toluene-d8

Concen: 49.581 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014730.D

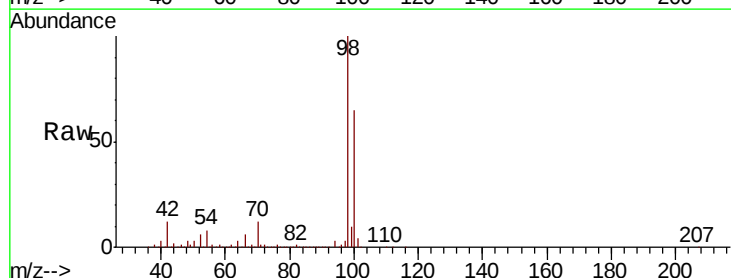
Acq: 23 Jan 2020 17:55

Tgt Ion: 98 Resp: 1003393

Ion Ratio Lower Upper

98 100

100 65.4 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW014498.D (-1372) (-)

Ion 100.00 (99.70 to 100.70): VW014498.D (-1372) (-)

10.32

600000

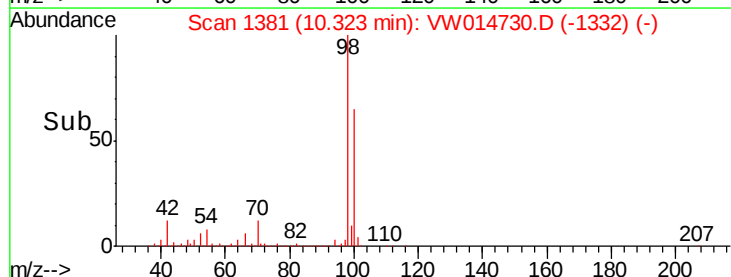
400000

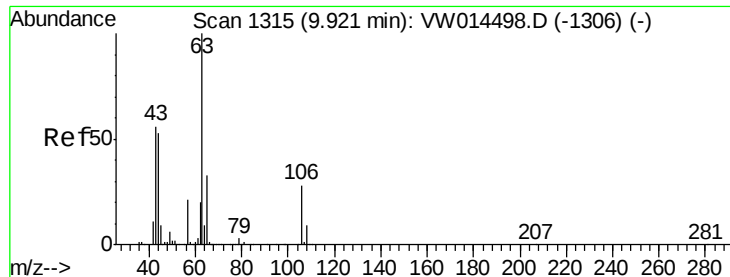
200000

0

Time-->

10.20 10.30 10.40 10.50

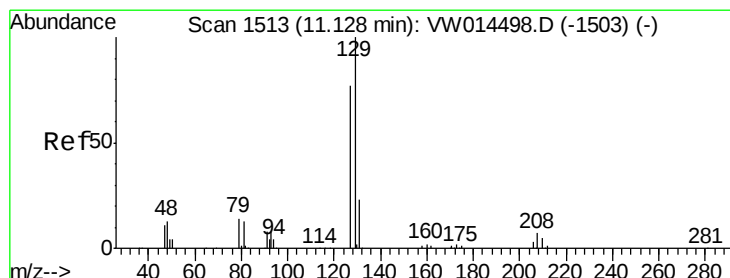
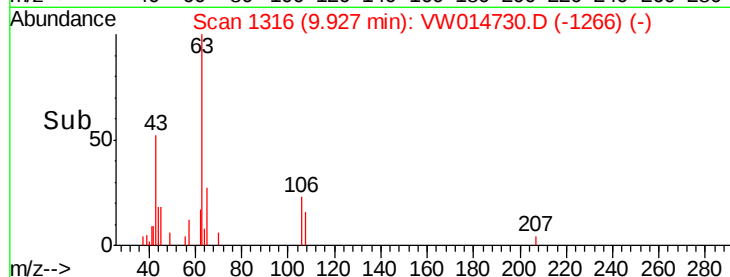
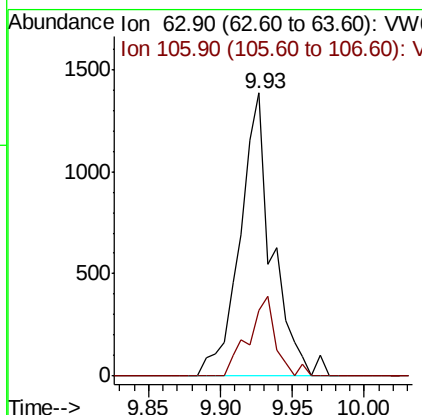
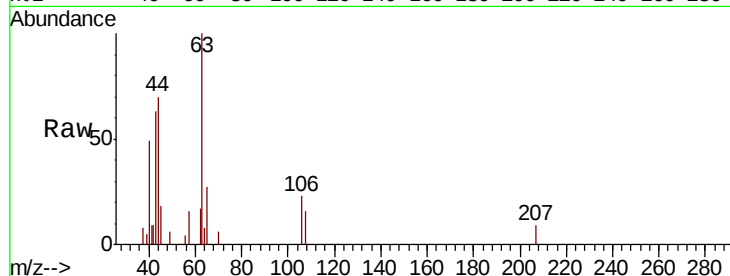




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.323 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW014730.D
 Acq: 23 Jan 2020 17:55

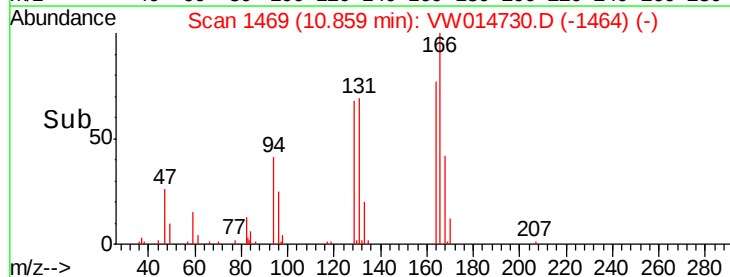
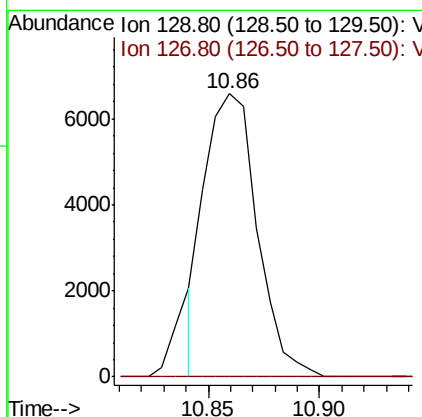
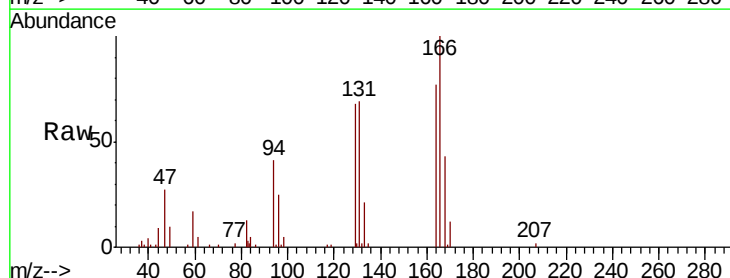
Instrument :
 MSVOA_W
 ClientSampleId :

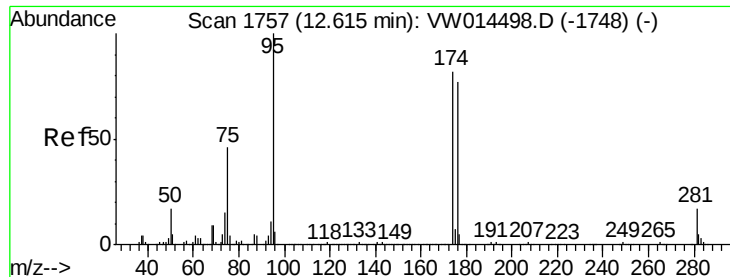
Tot Ion: 63 Resp: 2142
 Ion Ratio Lower Upper
 63 100
 106 23.7 23.0 34.6



#60
 Dibromochloromethane
 Concen: 2.336 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.27 min
 Lab File: VW014730.D
 Acq: 23 Jan 2020 17:55

Tgt Ion: 129 Resp: 10794
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.1 114.5#

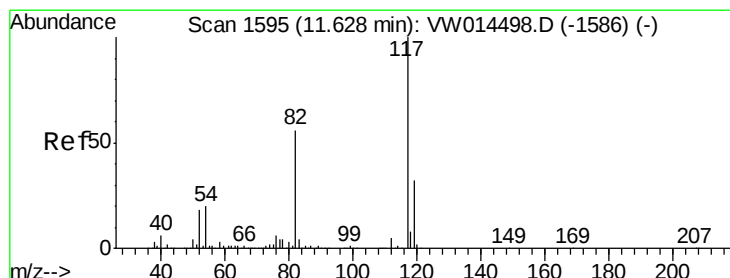
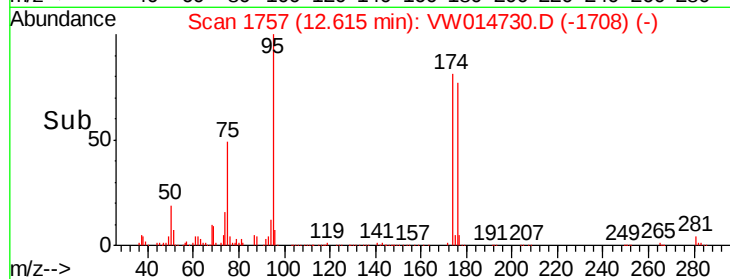
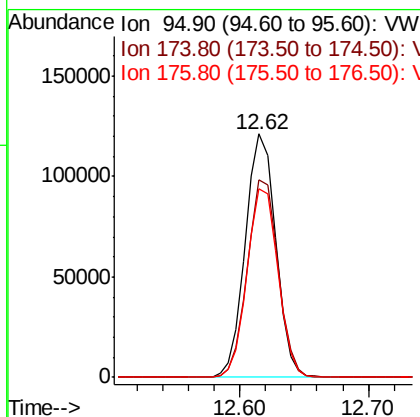
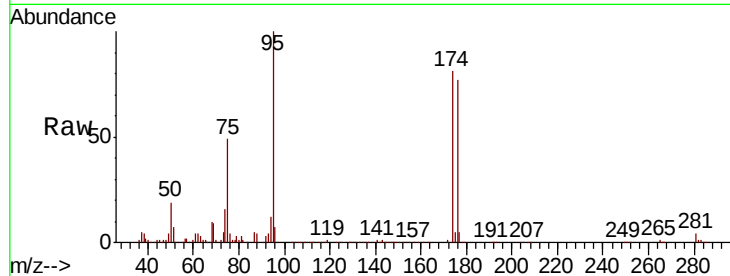




#62
4-Bromofluorobenzene
Concen: 28.783 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW014730.D
Acq: 23 Jan 2020 17:55

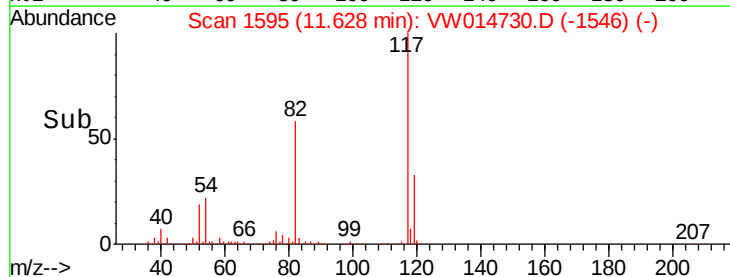
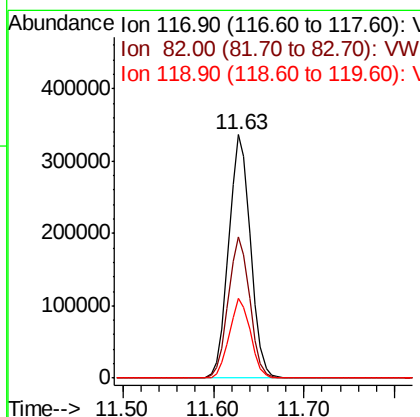
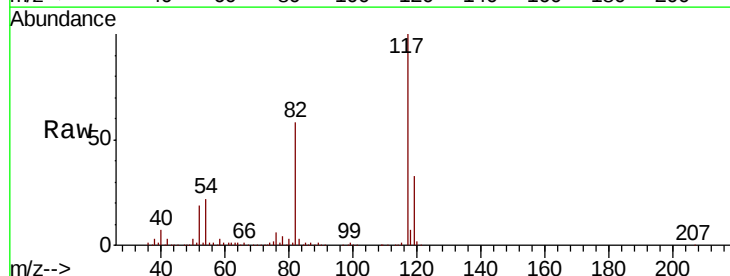
Instrument :
MSVOA_W
ClientSampleId :

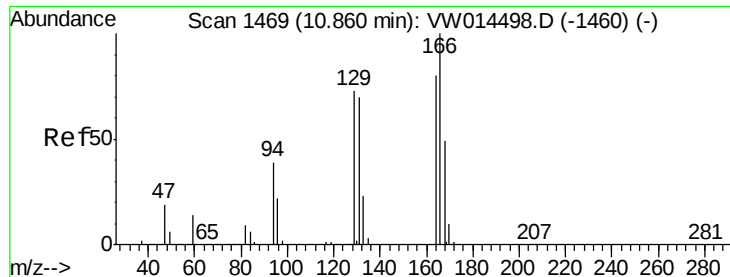
Tot Ion: 95 Resp: 197579
Ion Ratio Lower Upper
95 100
174 82.4 0.0 168.6
176 78.7 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014730.D
Acq: 23 Jan 2020 17:55

Tgt Ion: 117 Resp: 561109
Ion Ratio Lower Upper
117 100
82 57.9 44.6 67.0
119 32.7 25.7 38.5





#64

Tetrachloroethene

Concen: 3.078 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014730.D

Acq: 23 Jan 2020 17:55

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 12505

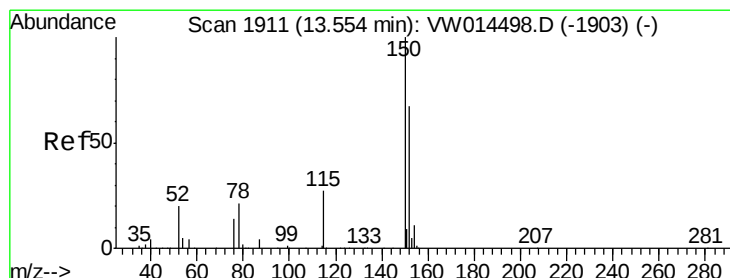
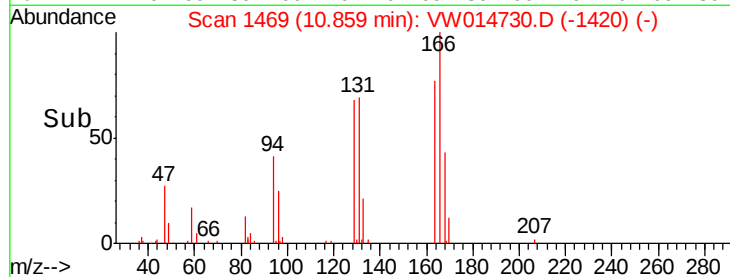
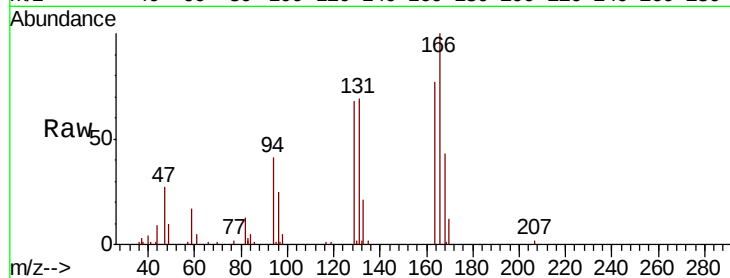
Ion	Ratio	Lower	Upper
164	100		
166	129.9	99.8	149.6
129	88.7	72.4	108.6
131	89.4	70.1	105.1

Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW014730.D

Acq: 23 Jan 2020 17:55

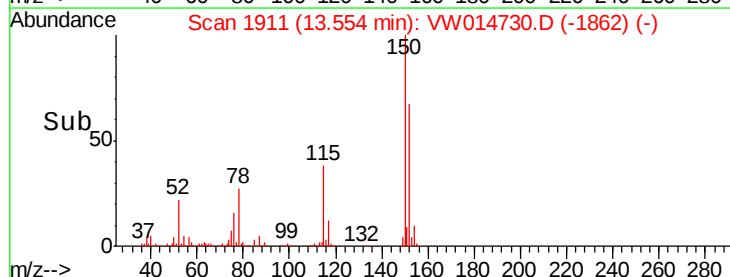
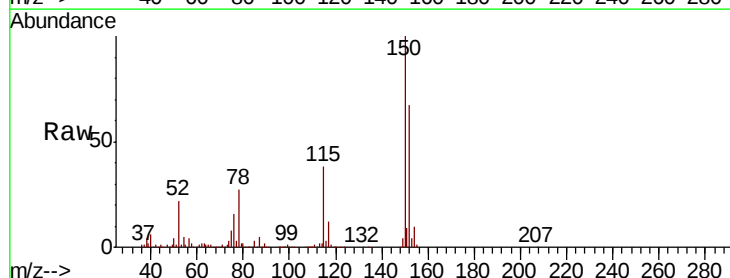
Tgt Ion:152 Resp: 123185

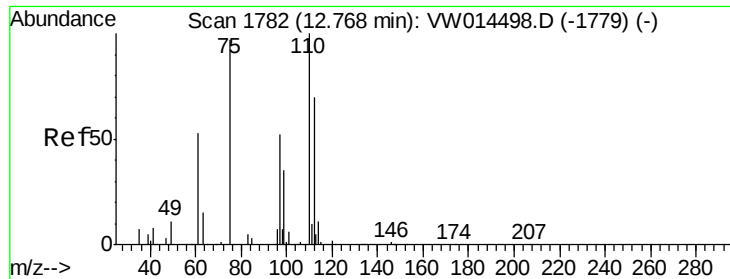
Ion	Ratio	Lower	Upper
152	100		
115	58.7	27.7	83.1
150	157.3	0.0	343.4

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



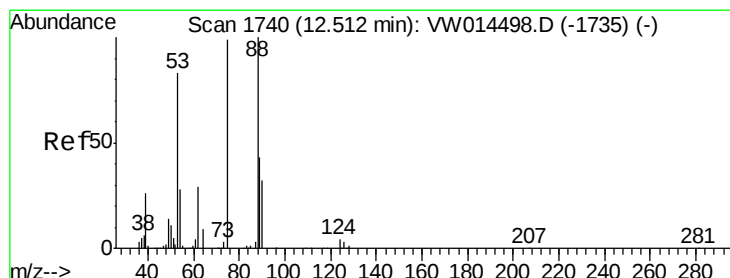
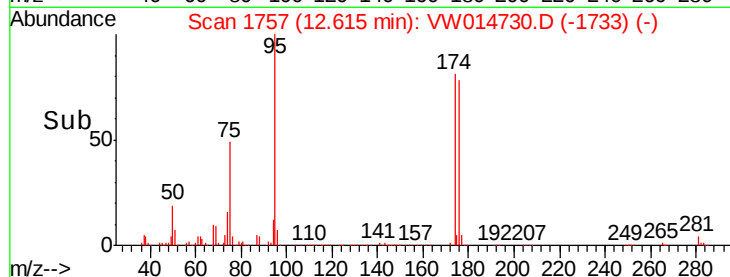
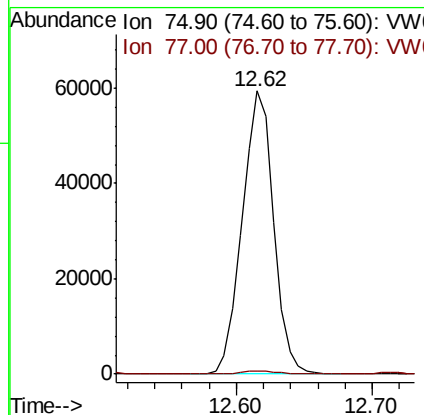
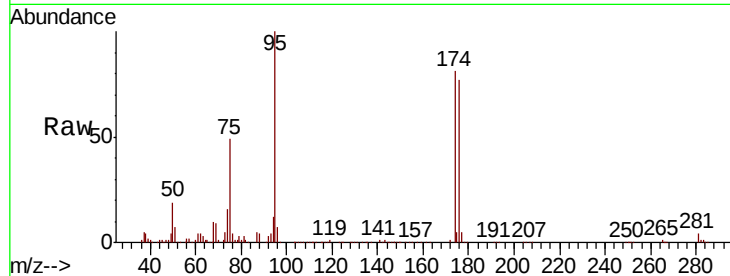


#76

1,2,3-Trichloropropane
Concen: 82.069 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW014730.D
Acq: 23 Jan 2020 17:55

Instrument :
MSVOA_W
ClientSampleId :

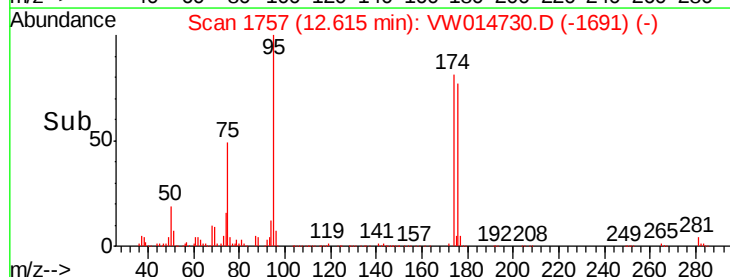
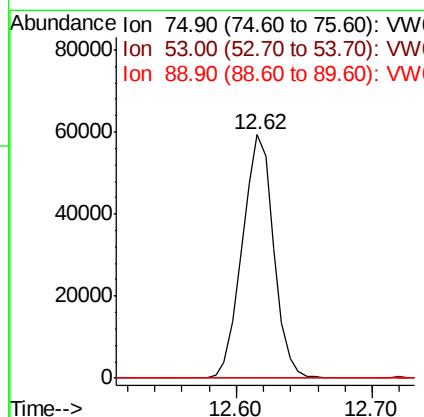
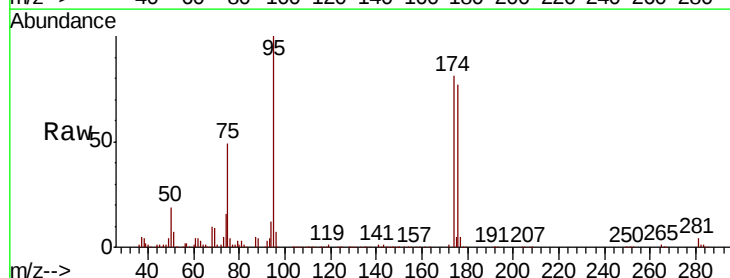
Tot Ion: 75 Resp: 95586
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

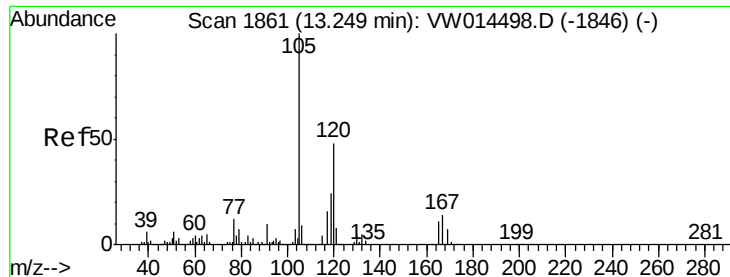


#81

trans-1,4-Dichloro-2-butene
Concen: 182.854 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW014730.D
Acq: 23 Jan 2020 17:55

Tgt Ion: 75 Resp: 95586
Ion Ratio Lower Upper
75 100
53 0.3 70.9 106.3#
89 0.0 35.8 53.8#





#84

1,2,4-Trimethylbenzene

Concen: 1.178 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW014730.D

Acq: 23 Jan 2020 17:55

Instrument :

MSVOA_W

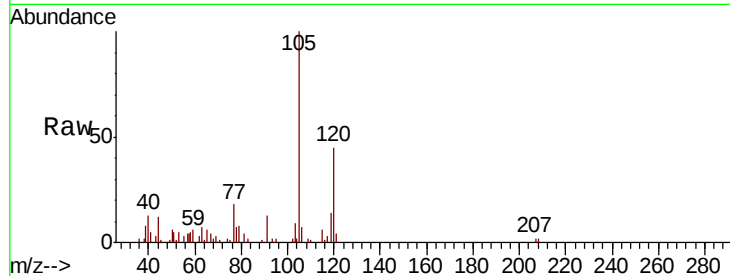
ClientSampleId :

Tot Ion:105 Resp: 8898

Ion Ratio Lower Upper

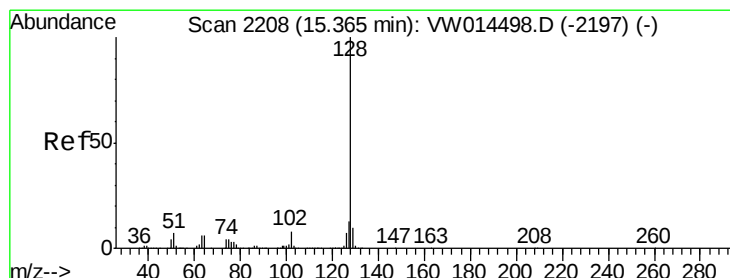
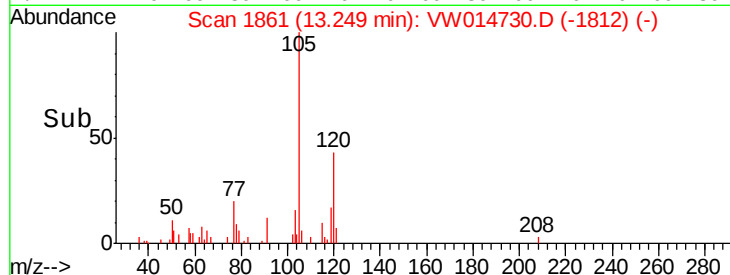
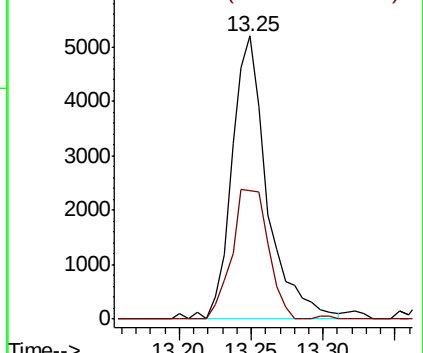
105 100

120 47.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 1.126 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW014730.D

Acq: 23 Jan 2020 17:55

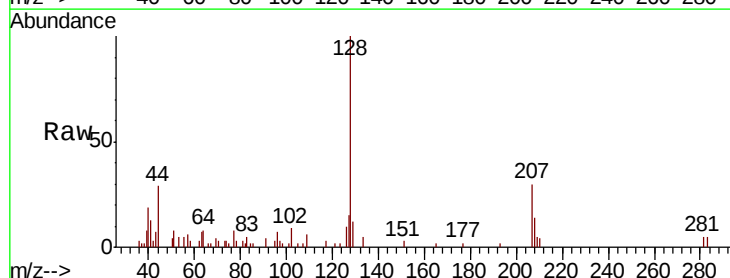
Tgt Ion:128 Resp: 4651

Ion Ratio Lower Upper

128 100

127 19.3 10.6 15.8#

129 14.3 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

