

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013211.D
 Acq On : 21 Sep 2019 04:22
 Operator : SY/VA
 Sample : K4939-05
 Misc : 6.03G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:59:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	376633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	595334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	444455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	95656	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	171248	55.71	ug/l	0.00
Spiked Amount			Recovery	=	111.42%	
35) Dibromofluoromethane	7.88	113	169638	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
50) Toluene-d8	10.32	98	676493	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.62	95	149570	31.95	ug/l	0.00
Spiked Amount			Recovery	=	63.90%	

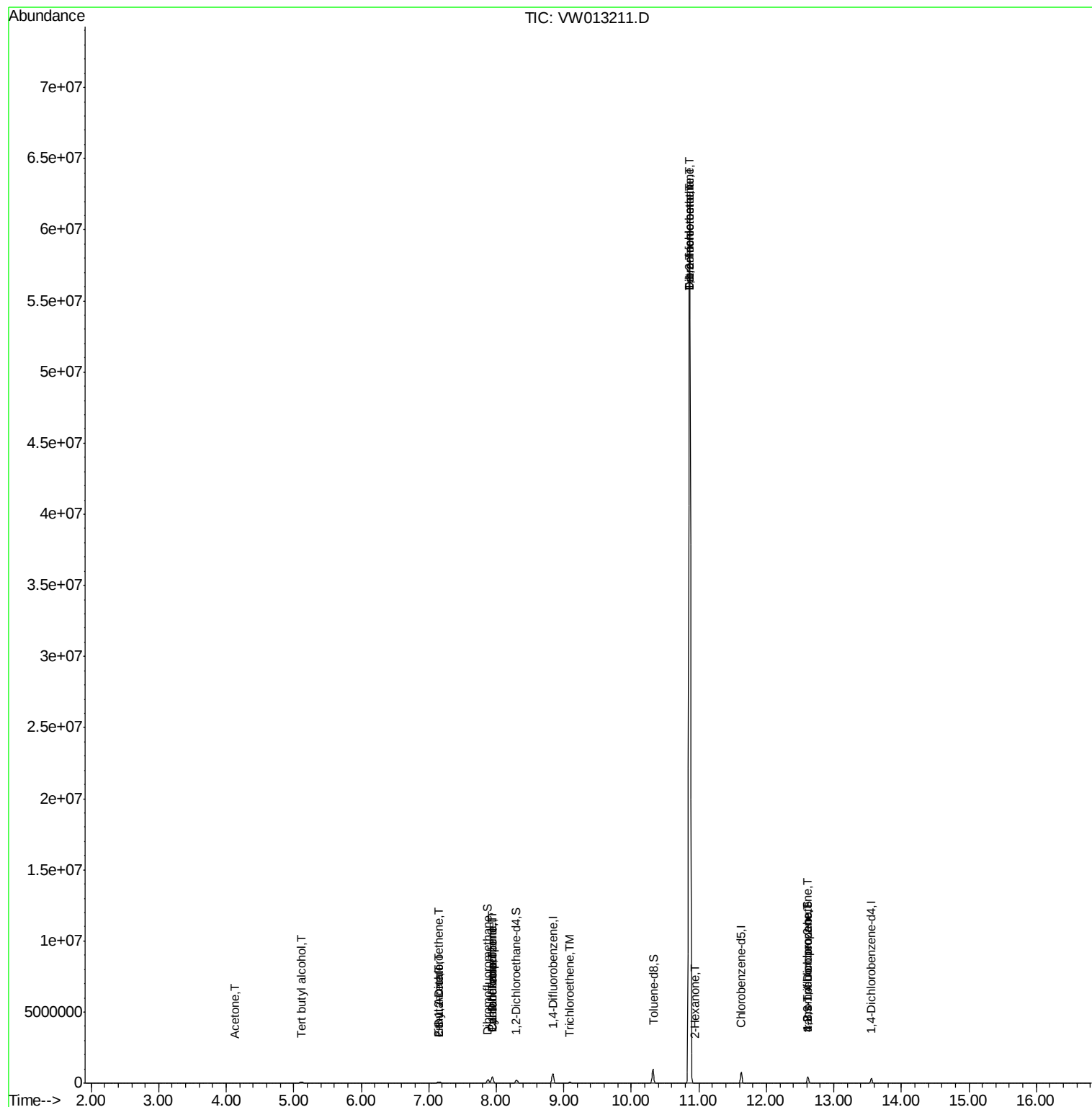
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	67821	308.879	ug/l #	76
16) Acetone	4.14	43	1734	2.501	ug/l #	76
20) Methylene Chloride	4.90	84	8256	Below Cal		89
25) 2-Butanone	7.15	43	4966	4.772	ug/l #	83
26) 2,2-Dichloropropane	7.14	77	7000	Below Cal	#	56
27) cis-1,2-Dichloroethene	7.16	96	8163	2.045	ug/l	83
31) Cyclohexane	7.94	56	6693	1.005	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	24633	4.272	ug/l #	48
37) Ethyl Acetate	7.15	43	4966	2.026	ug/l #	1
38) Carbon Tetrachloride	7.95	117	32794	6.344	ug/l #	18
44) Trichloroethene	9.09	130	34025	7.540	ug/l	100
55) 1,1,2-Trichloroethane	10.87	97	129897	45.586	ug/l #	1
59) 2-Hexanone	10.94	43	3843	2.372	ug/l #	23
60) Dibromochloromethane	10.87	129	14559981	4500.031	ug/l #	11
64) Tetrachloroethene	10.87	164	16167516	4794.302	ug/l #	85
76) 1,2,3-Trichloropropane	12.62	75	71364	84.478	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71364	189.560	ug/l #	12

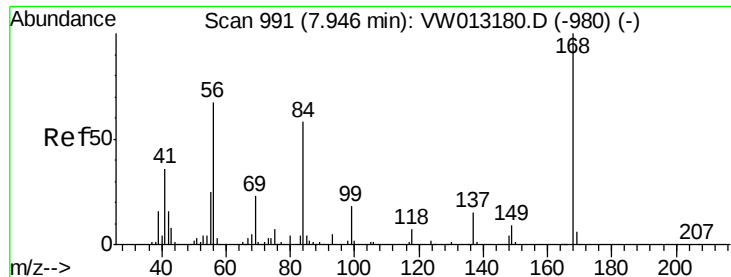
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092019\
Data File : VW013211.D
Acq On : 21 Sep 2019 04:22
Operator : SY/VA
Sample : K4939-05
Misc : 6.03G/5ML/MSVOA W/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 21 04:59:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
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: VW013211.D

Acq: 21 Sep 2019 04:22

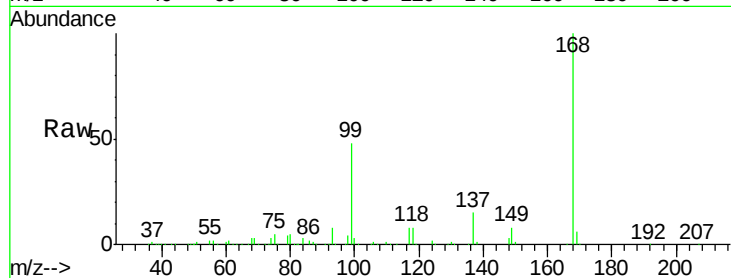
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 376633

Ion Ratio Lower Upper

168 100

99 47.9 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

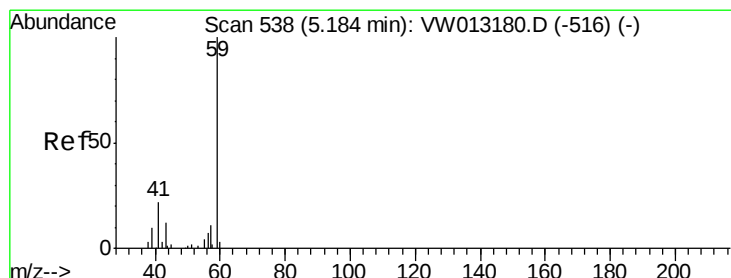
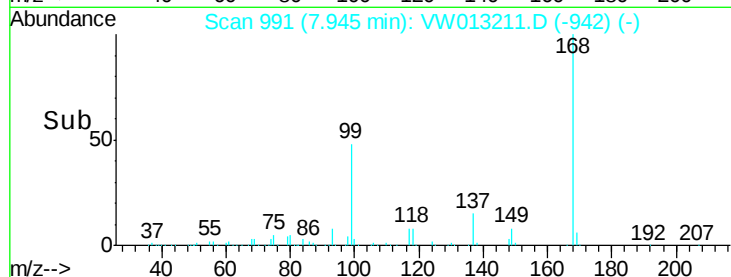
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 308.879 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.07 min

Lab File: VW013211.D

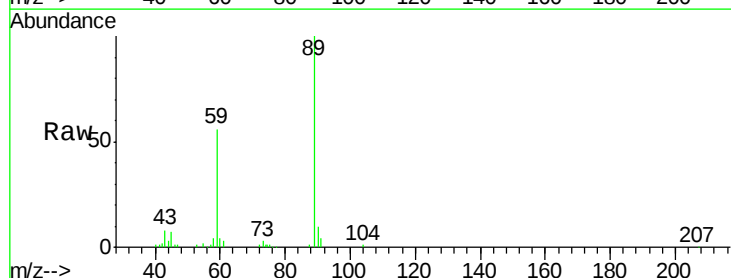
Acq: 21 Sep 2019 04:22

Tgt Ion: 59 Resp: 67821

Ion Ratio Lower Upper

59 100

57 1.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

20000

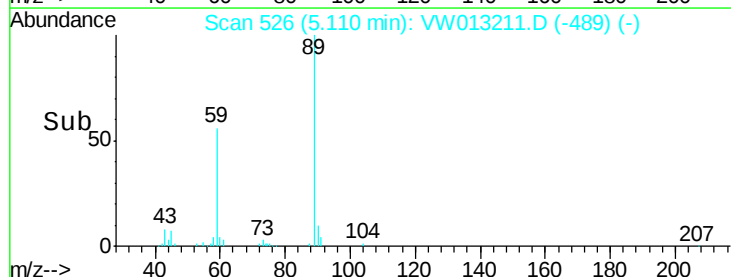
15000

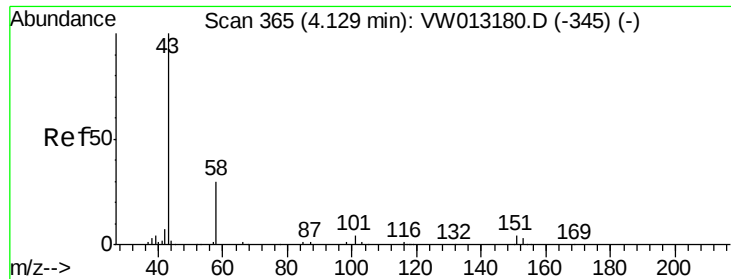
10000

5000

0

Time-->





#16

Acetone

Concen: 2.501 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW013211.D

Acq: 21 Sep 2019 04:22

Instrument :

MSVOA_W

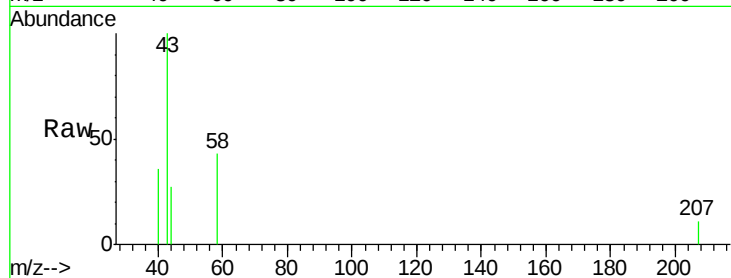
ClientSampled :

Tot Ion: 43 Resp: 1734

Ion Ratio Lower Upper

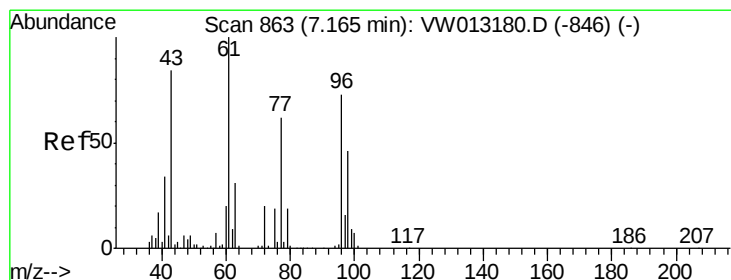
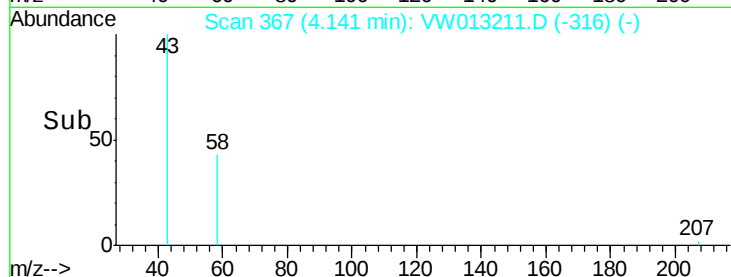
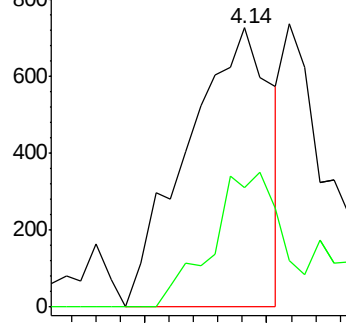
43 100

58 42.9 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 4.772 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013211.D

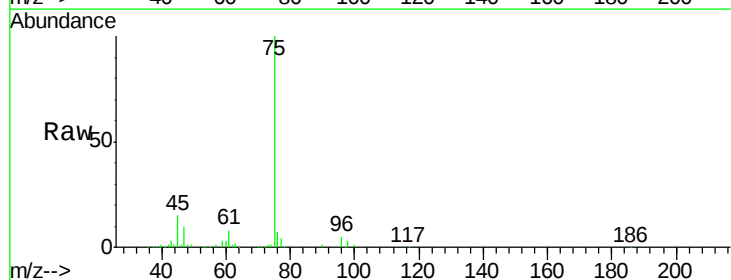
Acq: 21 Sep 2019 04:22

Tgt Ion: 43 Resp: 4966

Ion Ratio Lower Upper

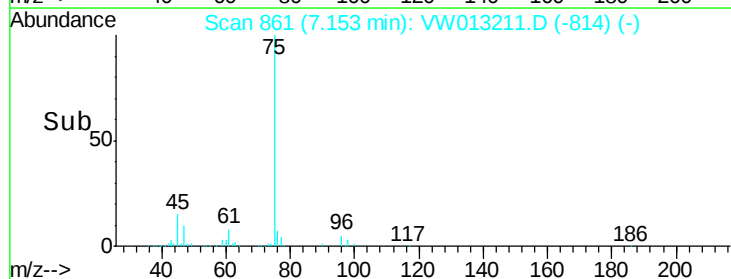
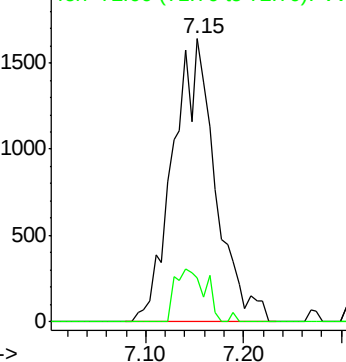
43 100

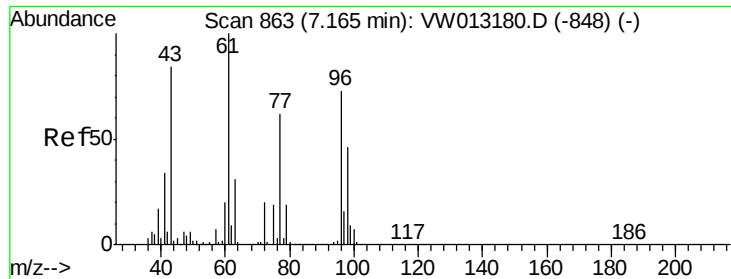
72 15.7 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013211.D

Acq: 21 Sep 2019 04:22

Instrument :

MSVOA_W

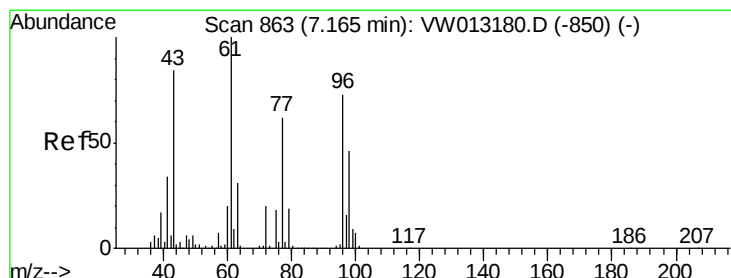
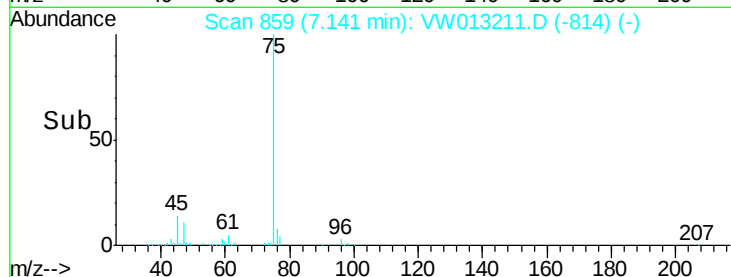
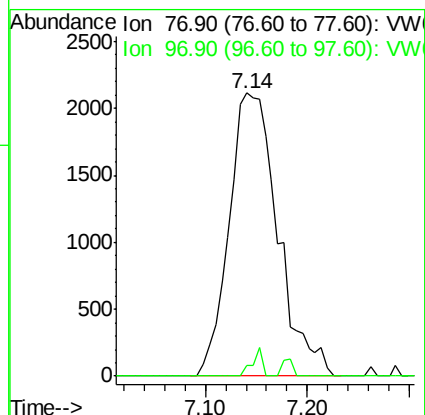
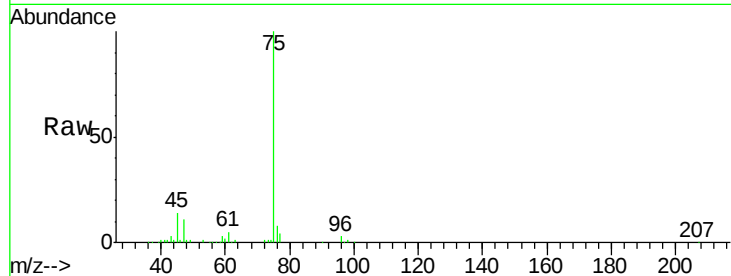
ClientSampleId :

Tot Ion: 77 Resp: 7000

Ion Ratio Lower Upper

77 100

97 1.9 11.8 35.4#



#27

cis-1,2-Dichloroethene

Concen: 2.045 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013211.D

Acq: 21 Sep 2019 04:22

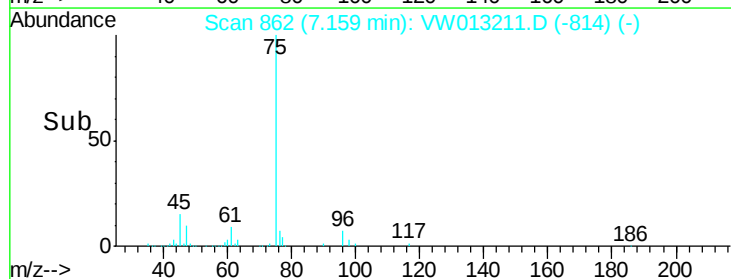
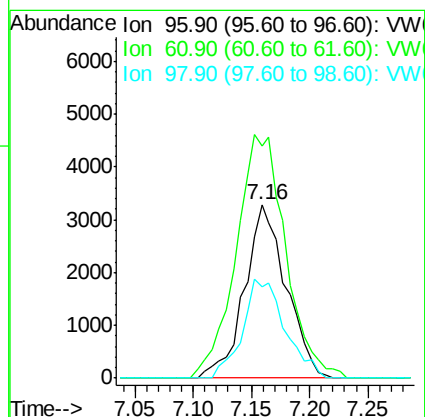
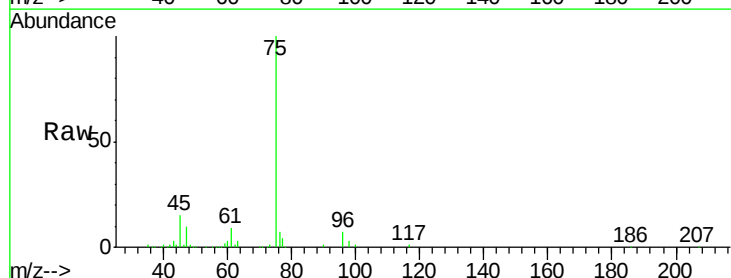
Tgt Ion: 96 Resp: 8163

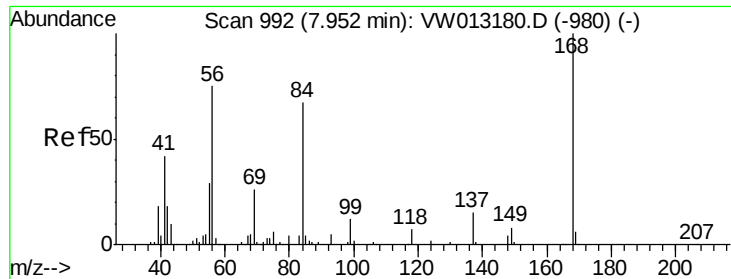
Ion Ratio Lower Upper

96 100

61 167.5 0.0 282.4

98 58.2 0.0 128.2

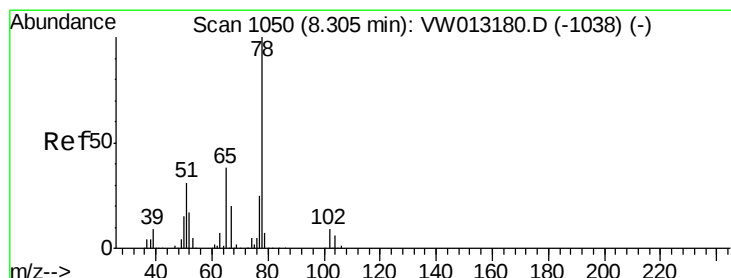
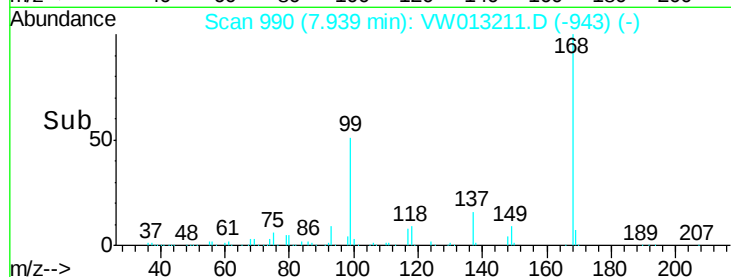
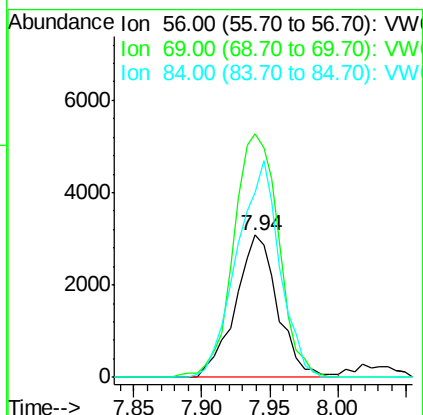
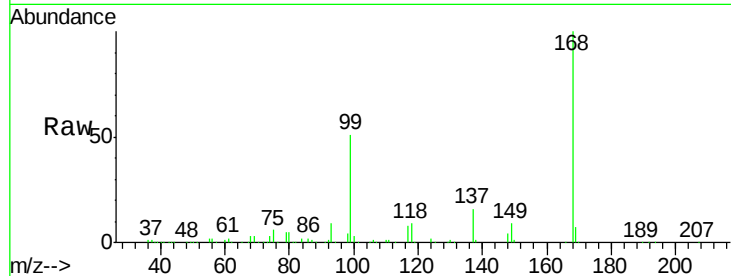




#31
Cyclohexane
Concen: 1.005 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW013211.D
Acq: 21 Sep 2019 04:22

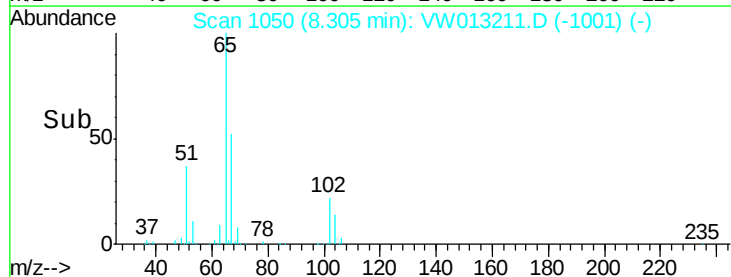
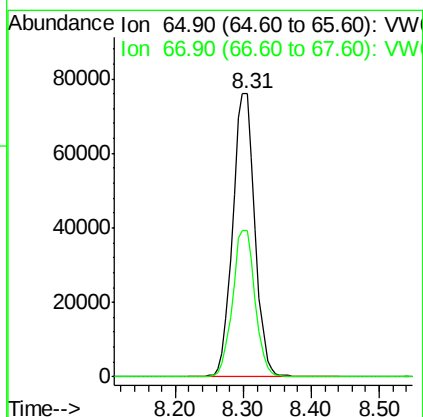
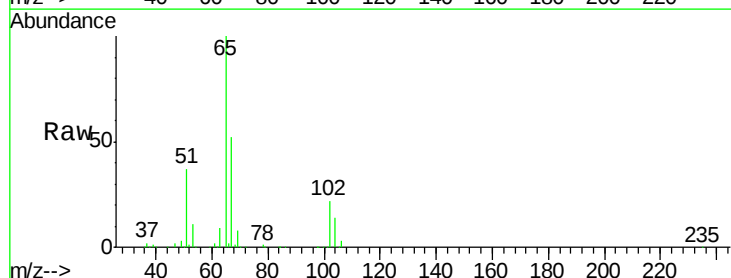
Instrument :
MSVOA_W
ClientSampled :

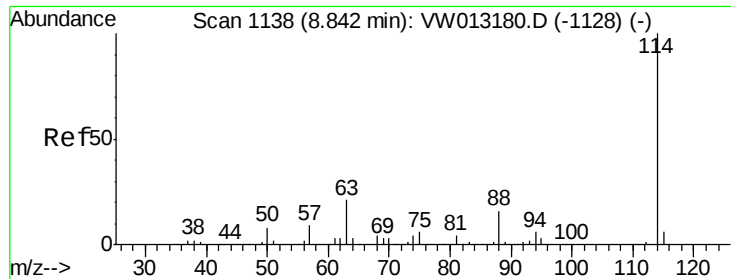
Tot Ion: 56 Resp: 6693
Ion Ratio Lower Upper
56 100
69 171.2 27.2 40.8#
84 130.3 70.8 106.2#



#33
1,2-Dichloroethane-d4
Concen: 55.711 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW013211.D
Acq: 21 Sep 2019 04:22

Tgt Ion: 65 Resp: 171248
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.2

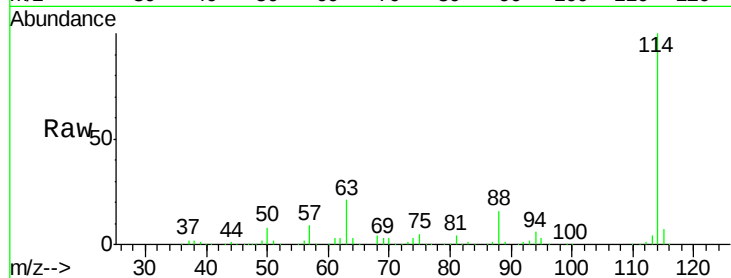




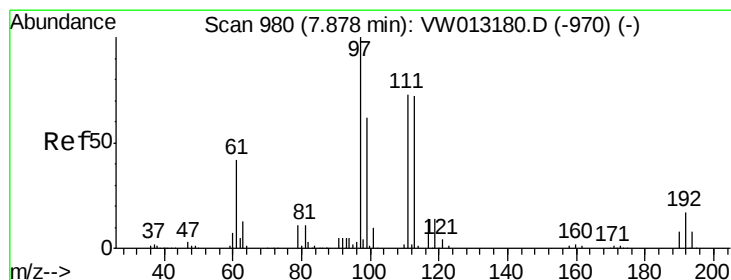
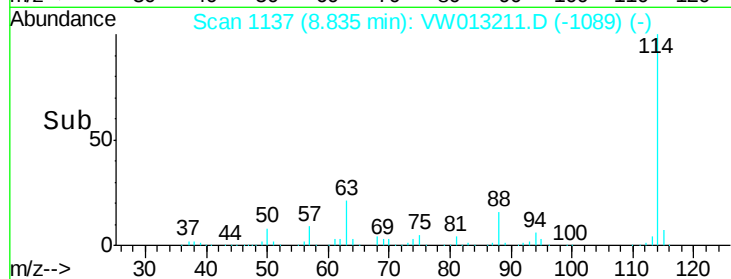
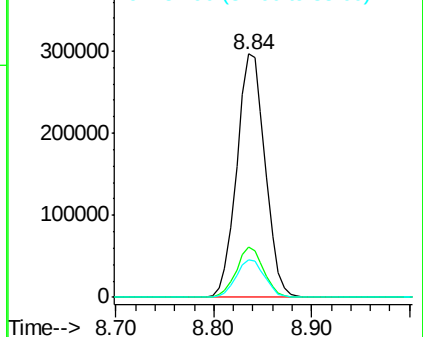
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW013211.D
 Acq: 21 Sep 2019 04:22

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 595334
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.4
 88 15.6 0.0 32.0

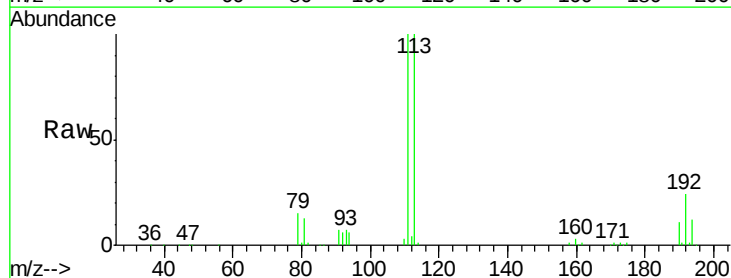


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

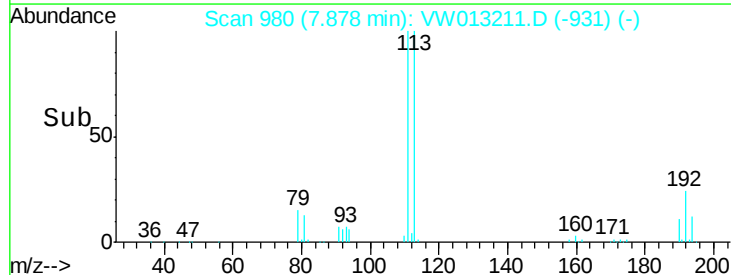
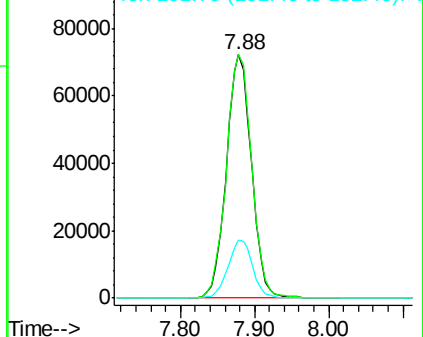


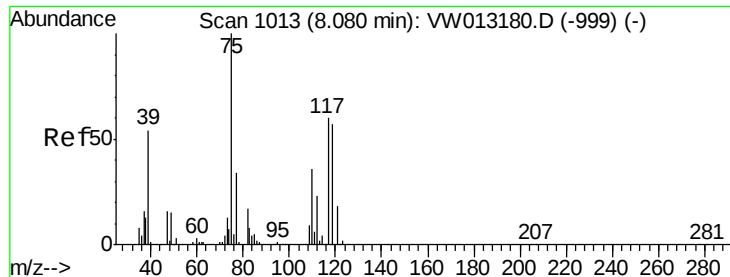
#35
 Dibromofluoromethane
 Concen: 51.808 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013211.D
 Acq: 21 Sep 2019 04:22

Tgt Ion:113 Resp: 169638
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.9 122.9
 192 23.5 19.1 28.7



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: 4.272 ug/l

RT: 7.94 min Scan# 990

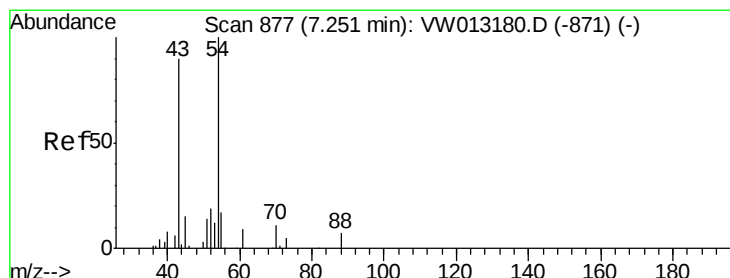
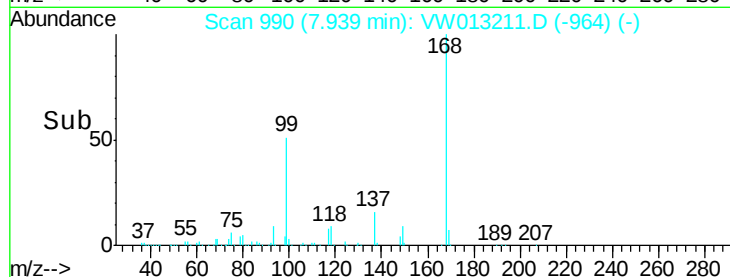
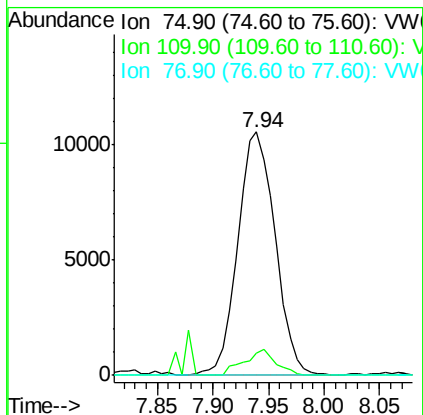
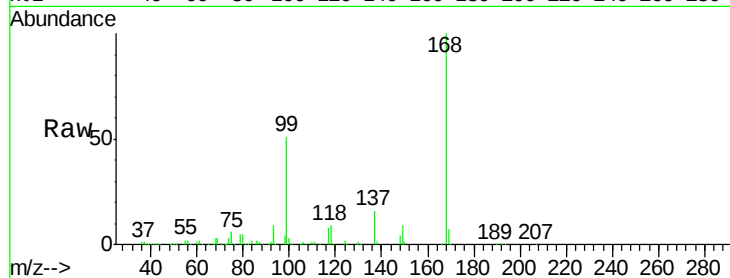
Delta R.T. -0.14 min

Lab File: VW013211.D

Acq: 21 Sep 2019 04:22

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	75	Resp:	24633
Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.3#
77	0.0	25.8	38.6#



#37

Ethyl Acetate

Concen: 2.026 ug/l

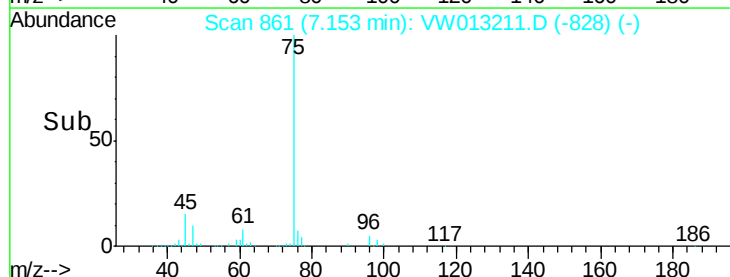
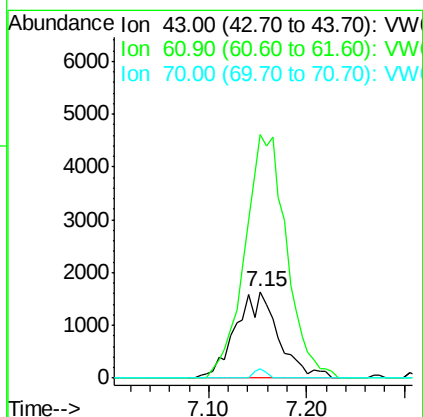
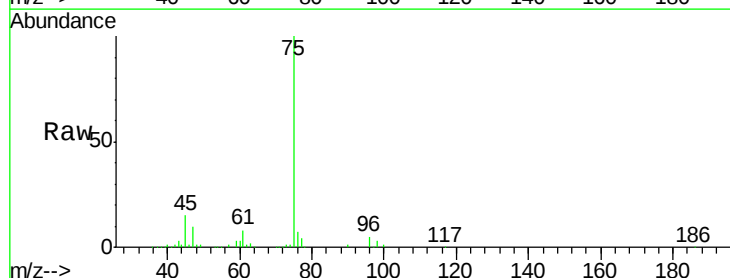
RT: 7.15 min Scan# 861

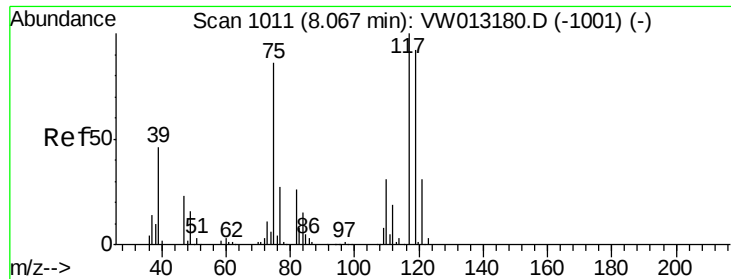
Delta R.T. -0.10 min

Lab File: VW013211.D

Acq: 21 Sep 2019 04:22

Tgt Ion:	43	Resp:	4966
Ion	Ratio	Lower	Upper
43	100		
61	275.4	10.9	16.3#
70	3.0	8.2	12.2#

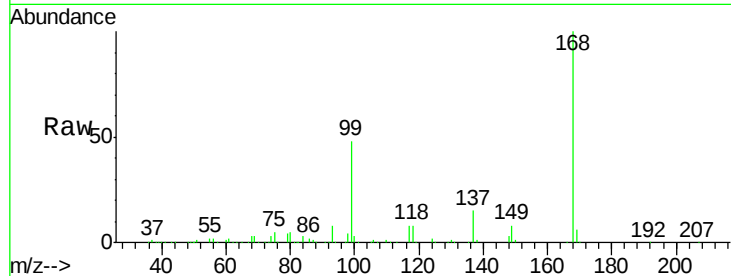




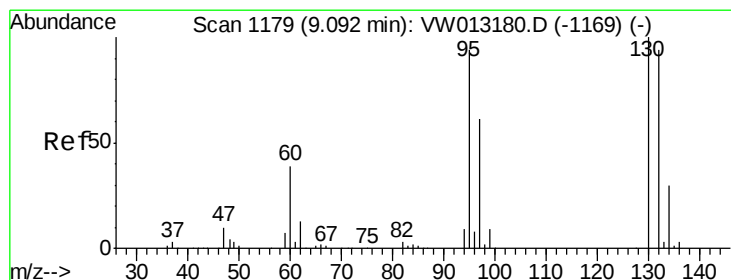
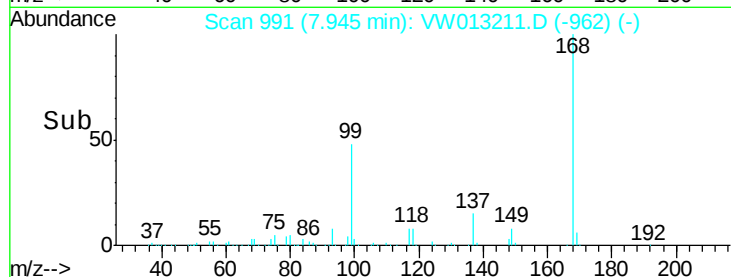
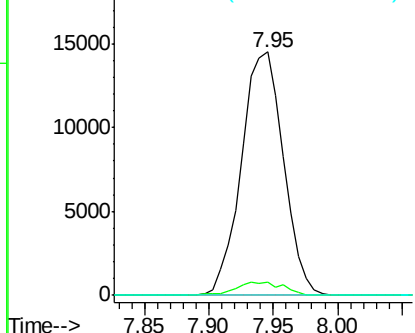
#38
Carbon Tetrachloride
Concen: 6.344 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013211.D
Acq: 21 Sep 2019 04:22

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 32794
Ion Ratio Lower Upper
117 100
119 5.6 73.5 110.3#
121 0.0 25.0 37.6#

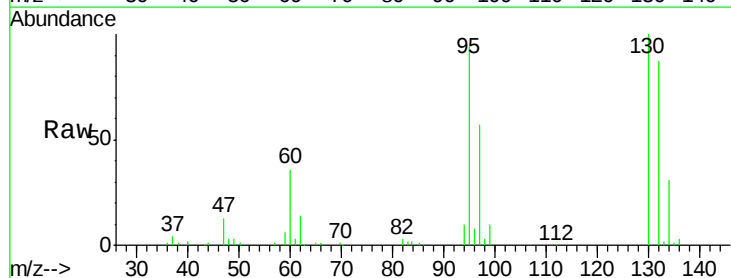


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

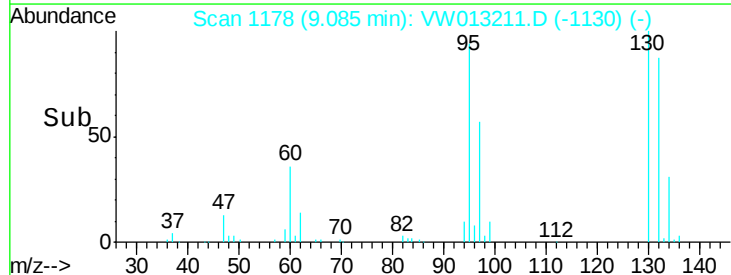
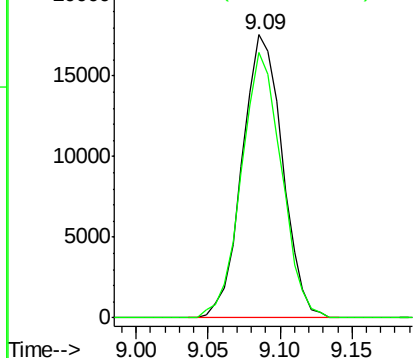


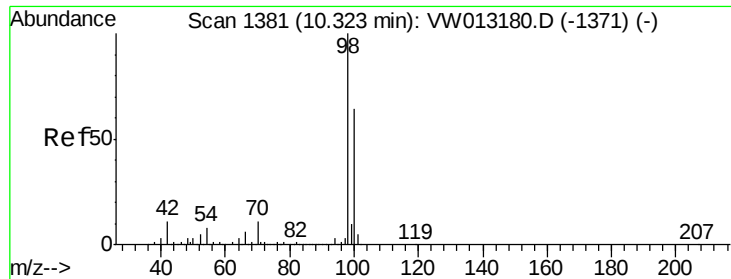
#44
Trichloroethene
Concen: 7.540 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VW013211.D
Acq: 21 Sep 2019 04:22

Tgt Ion:130 Resp: 34025
Ion Ratio Lower Upper
130 100
95 93.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 49.366 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013211.D

Acq: 21 Sep 2019 04:22

Instrument :

MSVOA_W

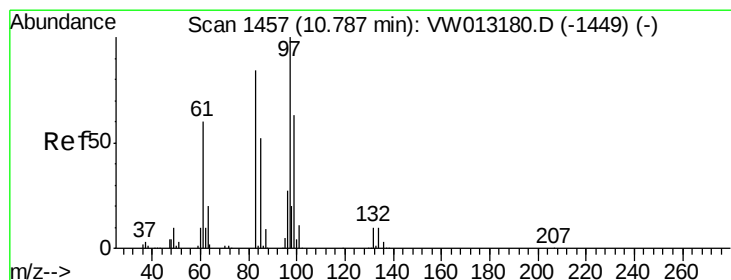
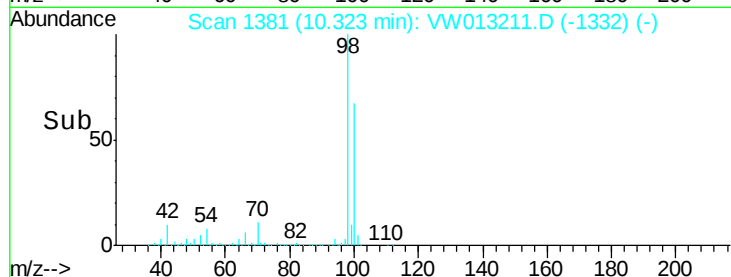
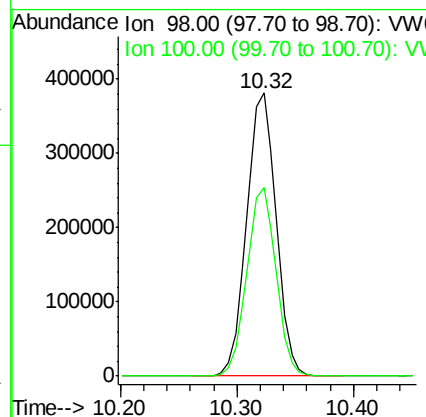
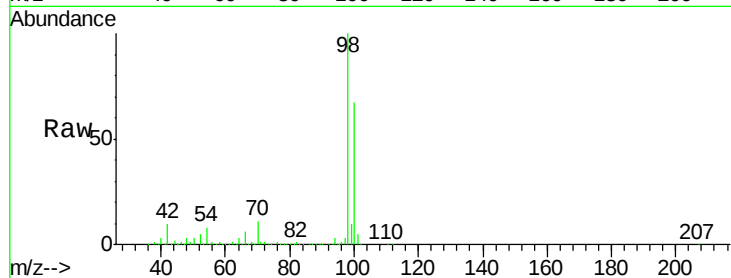
ClientSampleId :

Tot Ion: 98 Resp: 676493

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3



#55

1,1,2-Trichloroethane

Concen: 45.586 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.08 min

Lab File: VW013211.D

Acq: 21 Sep 2019 04:22

Tgt Ion: 97 Resp: 129897

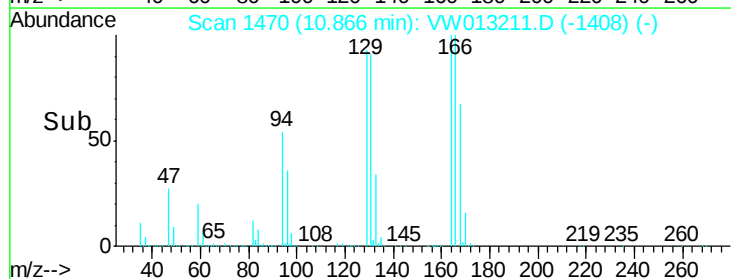
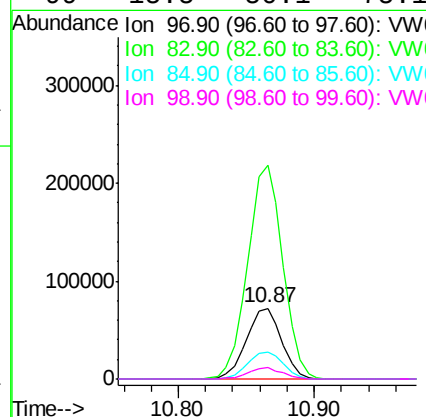
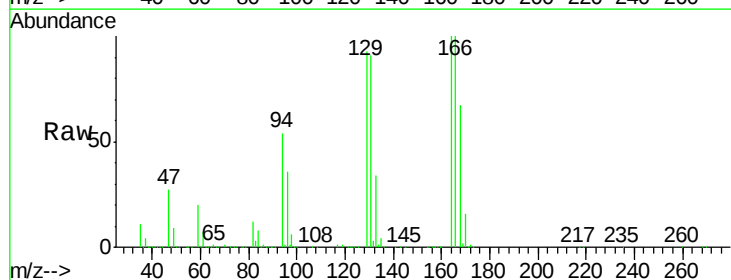
Ion Ratio Lower Upper

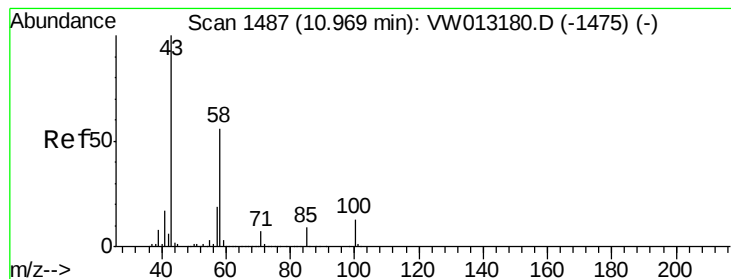
97 100

83 301.7 67.6 101.4#

85 37.9 41.9 62.9#

99 15.5 50.1 75.1#





#59

2-Hexanone

Concen: 2.372 ug/l

RT: 10.94 min Scan# 1483

Delta R.T. -0.02 min

Lab File: VW013211.D

Acq: 21 Sep 2019 04:22

Instrument :

MSVOA_W

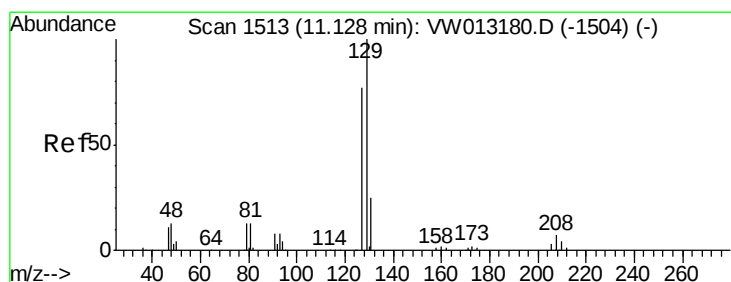
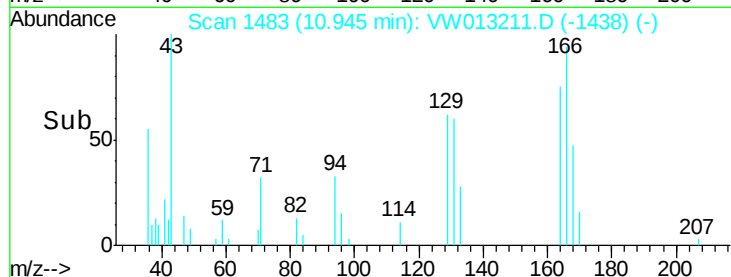
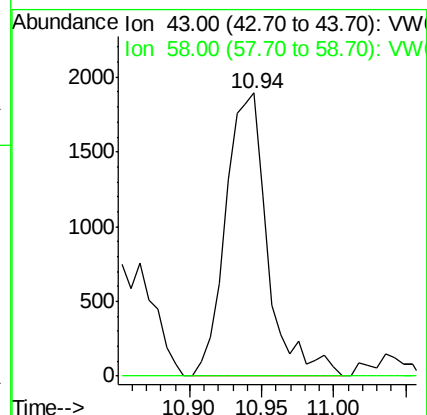
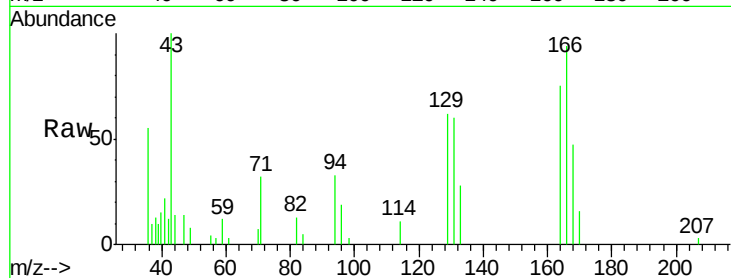
ClientSampled :

Tot Ion: 43 Resp: 3843

Ion Ratio Lower Upper

43 100

58 0.0 28.1 84.2#



#60

Dibromochloromethane

Concen: 4500.031 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW013211.D

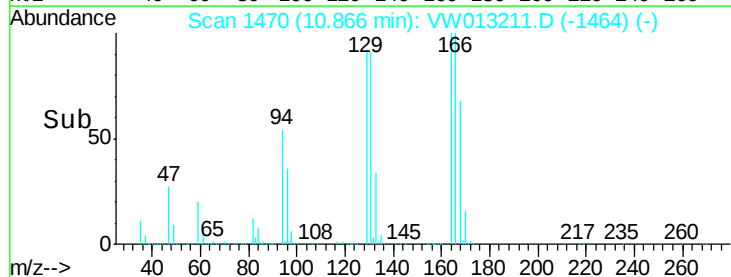
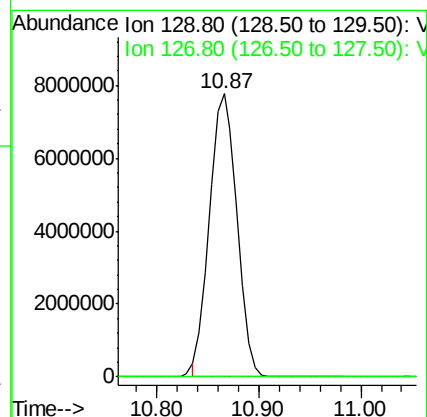
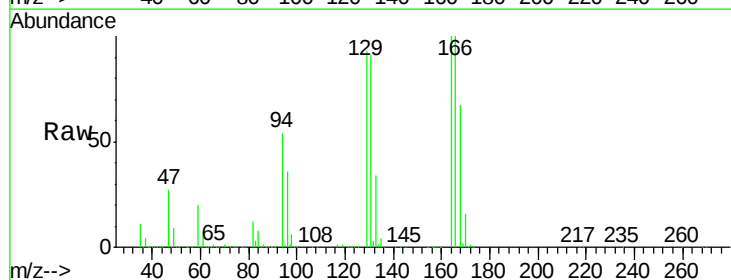
Acq: 21 Sep 2019 04:22

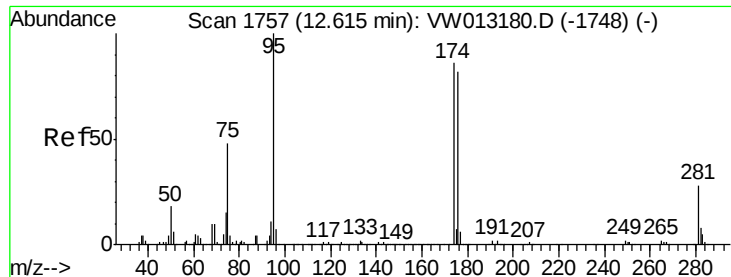
Tgt Ion: 129 Resp: 14559981

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#

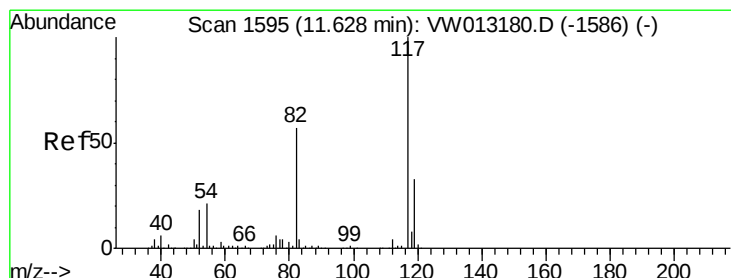
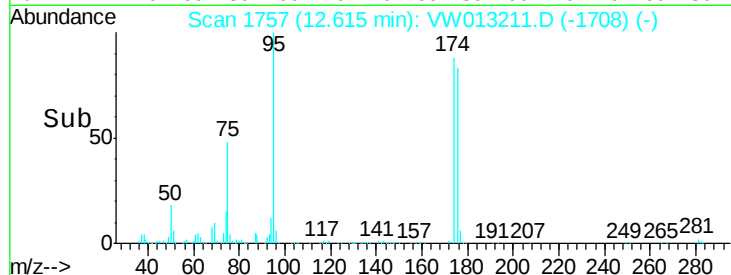
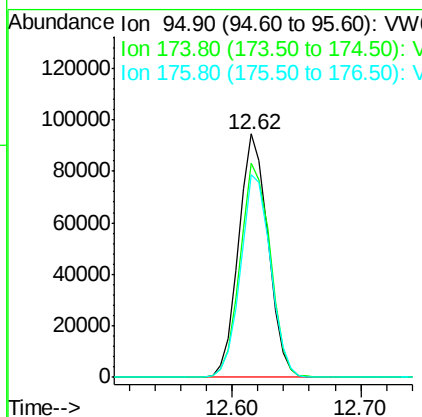
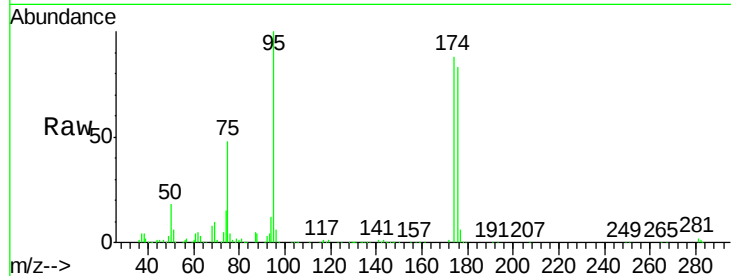




#62
4-Bromofluorobenzene
Concen: 31.953 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013211.D
Acq: 21 Sep 2019 04:22

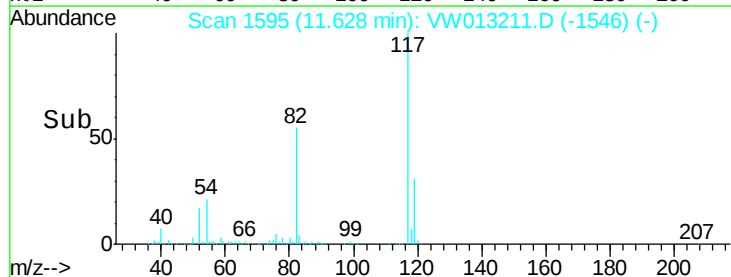
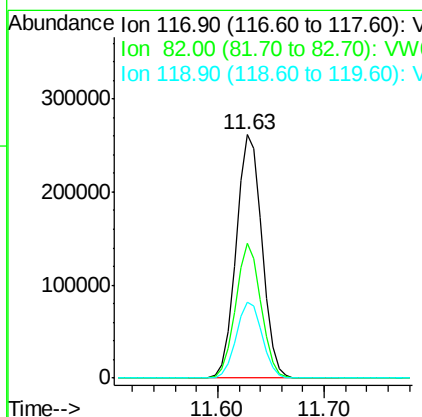
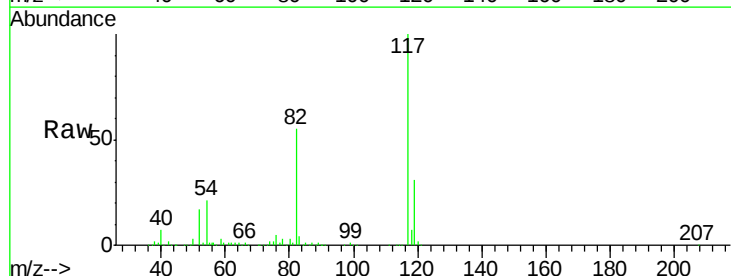
Instrument :
MSVOA_W
ClientSampleId :

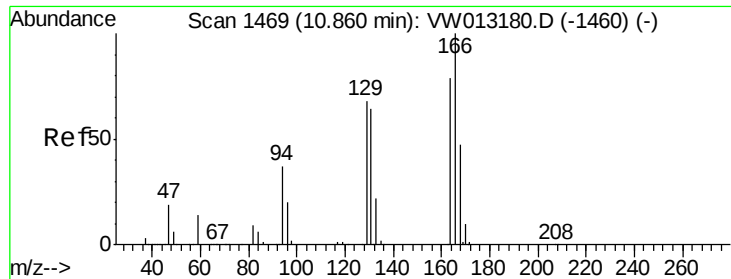
Tot Ion: 95 Resp: 149570
Ion Ratio Lower Upper
95 100
174 89.3 0.0 178.4
176 84.5 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013211.D
Acq: 21 Sep 2019 04:22

Tgt Ion: 117 Resp: 444455
Ion Ratio Lower Upper
117 100
82 55.2 45.9 68.9
119 31.4 26.2 39.2

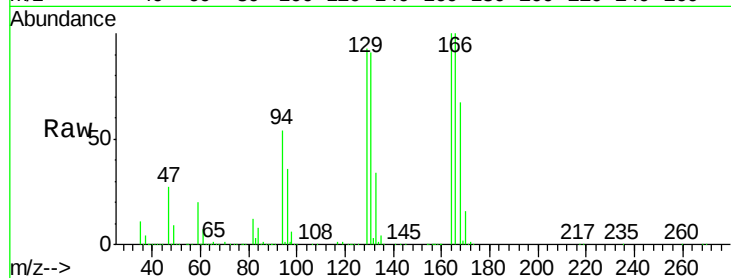




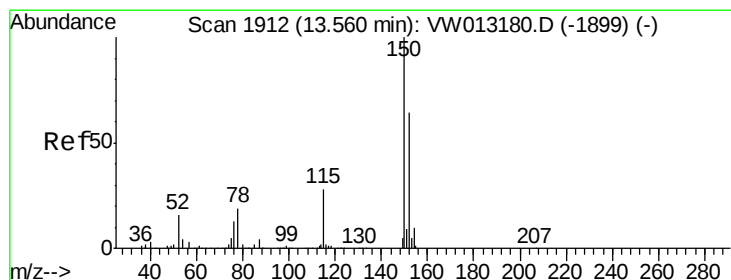
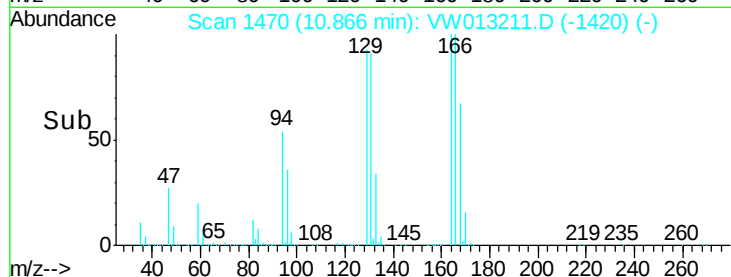
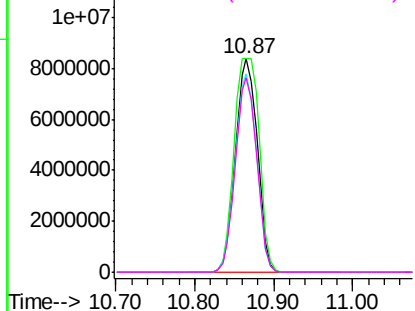
#64
Tetrachloroethene
Concen: 4794.302 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW013211.D
Acq: 21 Sep 2019 04:22

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:164 Resp:16167516
Ion Ratio Lower Upper
164 100
166 100.0 101.2 151.8#
129 92.6 68.8 103.2
131 91.2 65.2 97.8

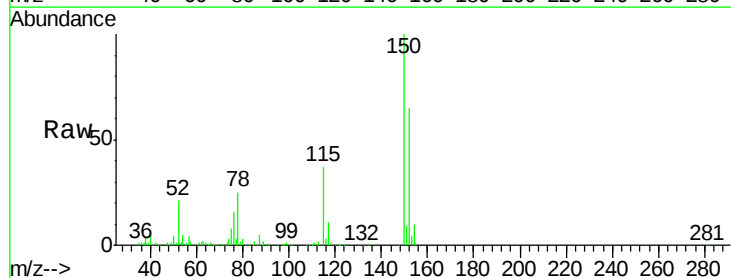


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

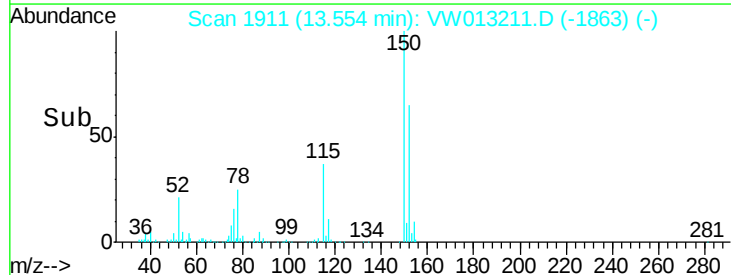
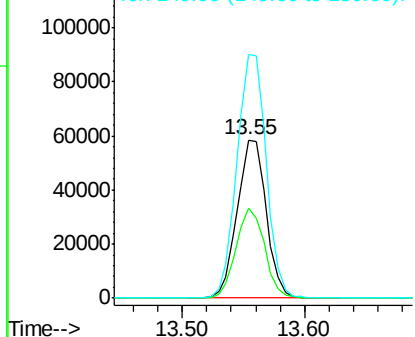


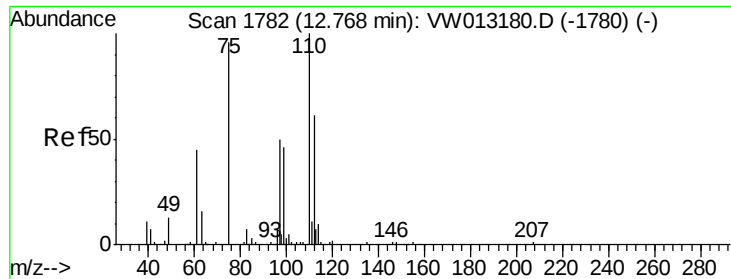
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013211.D
Acq: 21 Sep 2019 04:22

Tgt Ion:152 Resp: 95656
Ion Ratio Lower Upper
152 100
115 55.8 27.3 81.9
150 156.0 0.0 349.0



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: 84.478 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013211.D

Acq: 21 Sep 2019 04:22

Instrument :

MSVOA_W

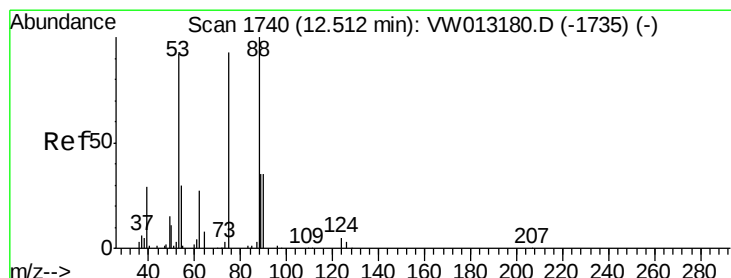
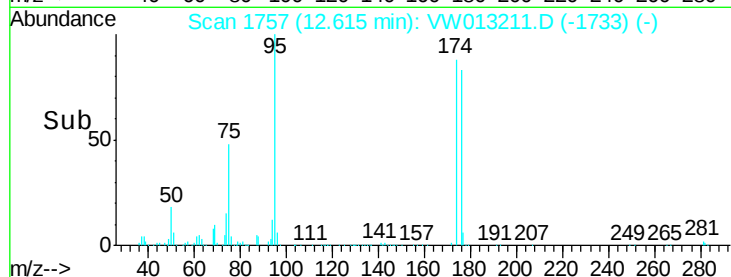
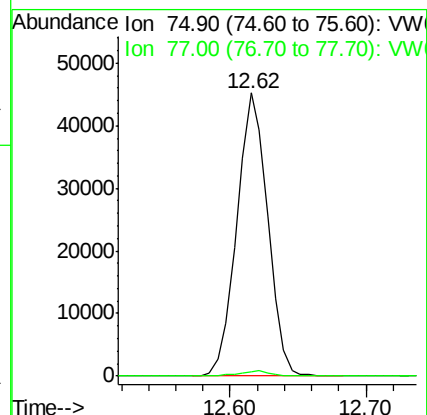
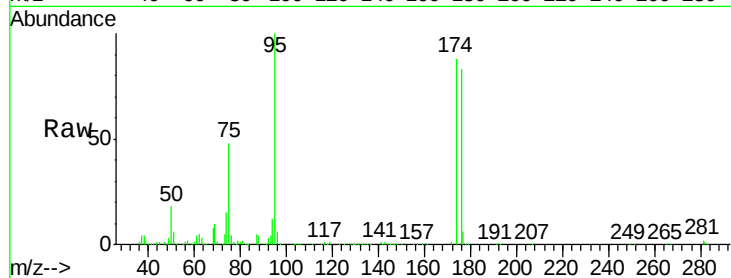
ClientSampled :

Tot Ion: 75 Resp: 71364

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 189.560 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013211.D

Acq: 21 Sep 2019 04:22

Tgt Ion: 75 Resp: 71364

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.0 33.5 50.3#

