

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012255.D
 Acq On : 28 Aug 2019 15:41
 Operator : SY/VA
 Sample : K4509-05
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 28 17:26:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	239790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	395963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	114388	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	144002	50.52	ug/l	0.00
Spiked Amount						
			Recovery	=	101.04%	
35) Dibromofluoromethane	7.88	113	117756	49.82	ug/l	0.00
Spiked Amount						
			Recovery	=	99.64%	
50) Toluene-d8	10.32	98	480953	50.19	ug/l	0.00
Spiked Amount						
			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.62	95	143888	42.59	ug/l	0.00
Spiked Amount						
			Recovery	=	85.18%	

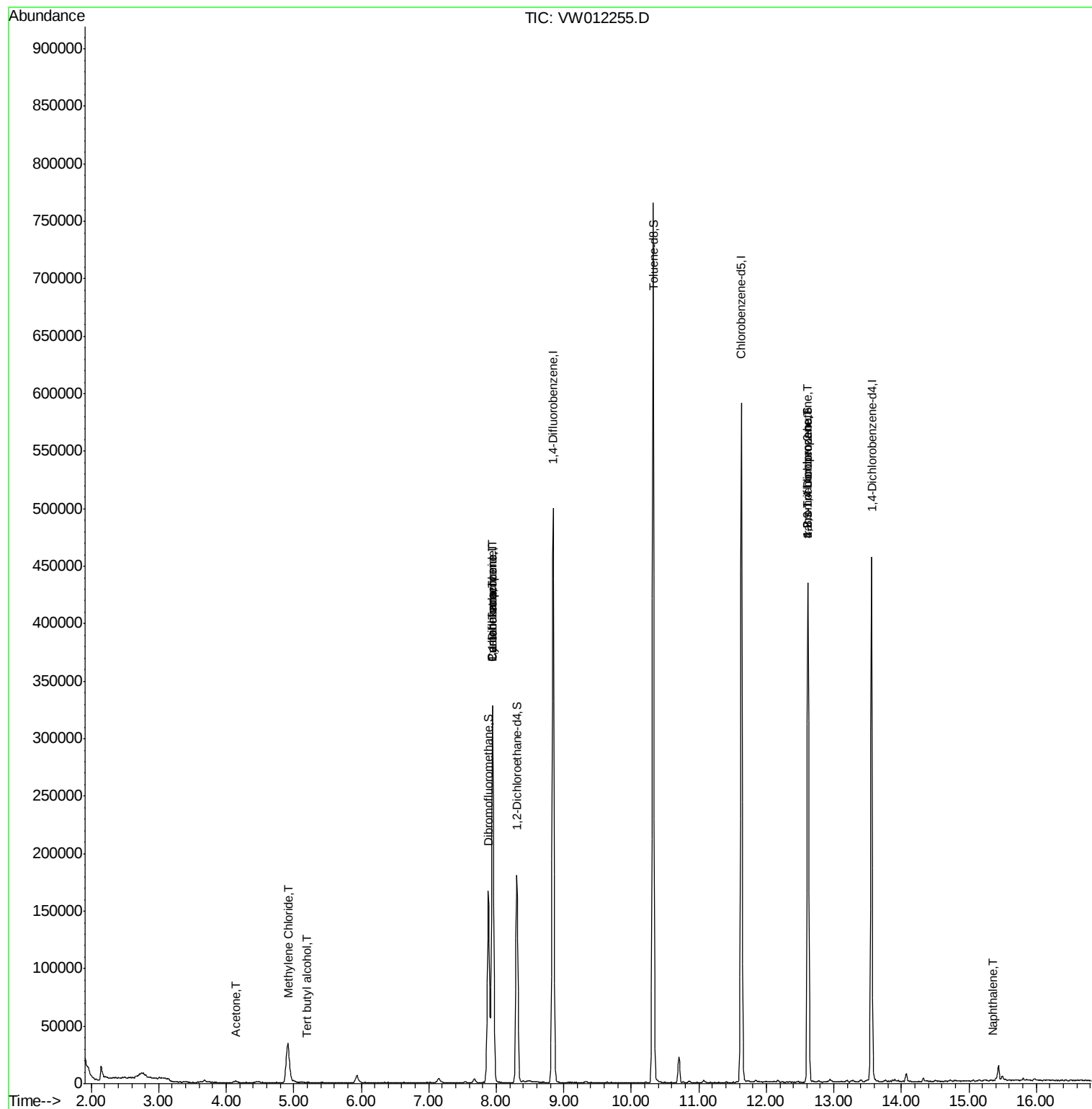
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	431	2.512	ug/l #	71
16) Acetone	4.15	43	3097	4.250	ug/l	96
20) Methylene Chloride	4.92	84	25414	9.226	ug/l	96
31) Cyclohexane	7.95	56	5910	1.151	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20254	4.950	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24089	6.802	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	75626	67.883	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75626	148.837	ug/l #	6
95) Naphthalene	15.36	128	455	4.417	ug/l #	69

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012255.D

Acq: 28 Aug 2019 15:41

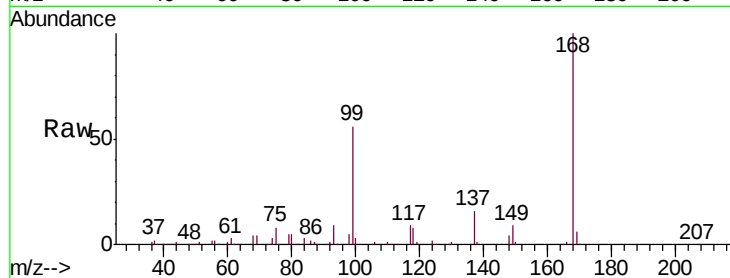
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 239790

Ion Ratio Lower Upper

168 100

99 55.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

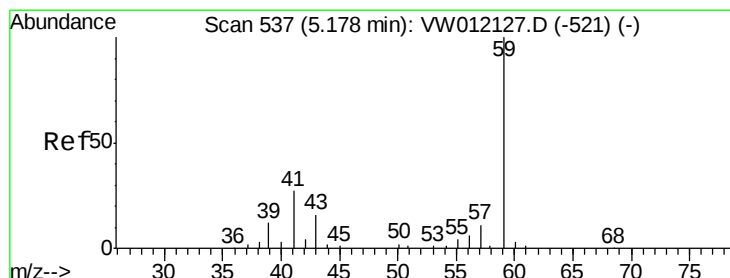
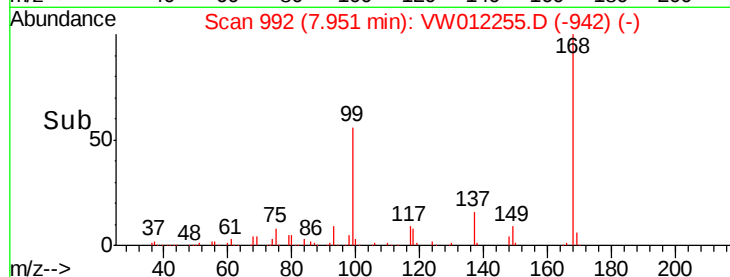
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 2.512 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.01 min

Lab File: VW012255.D

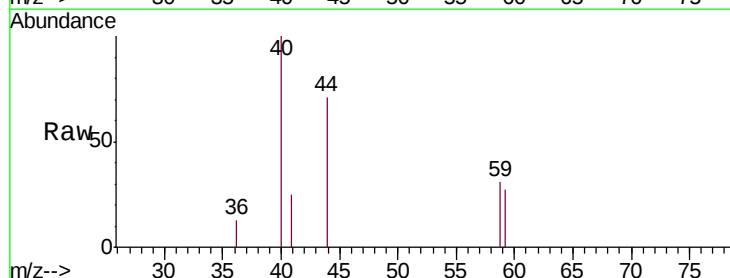
Acq: 28 Aug 2019 15:41

Tgt Ion: 59 Resp: 431

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.19

300

250

200

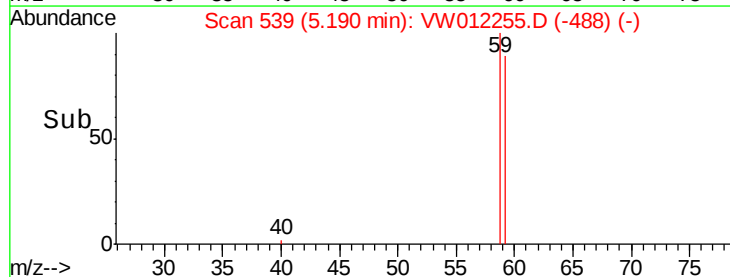
150

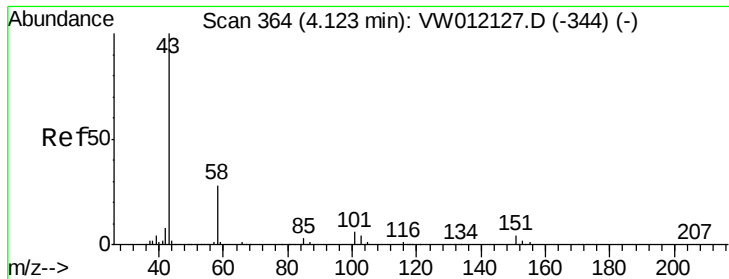
100

50

0

Time--> 5.15 5.20 5.25





#16

Acetone

Concen: 4.250 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW012255.D

Acq: 28 Aug 2019 15:41

Instrument :

MSVOA_W

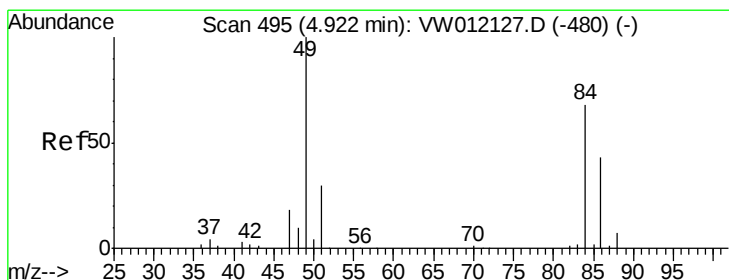
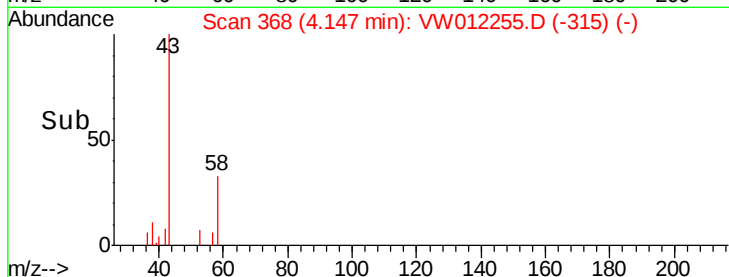
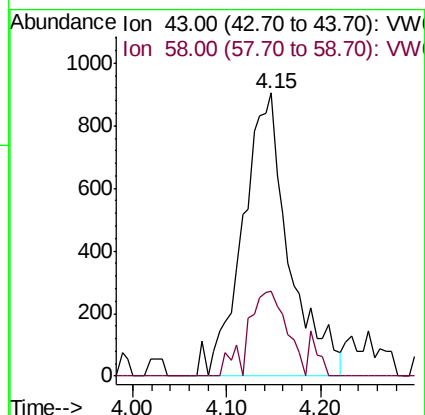
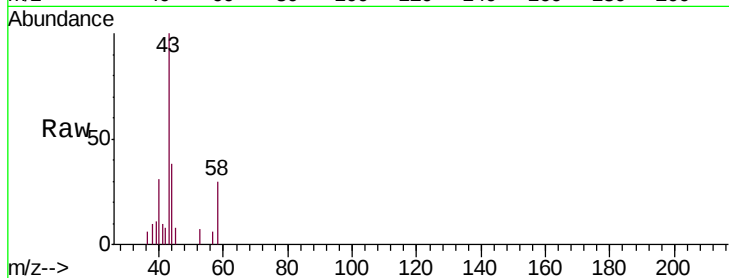
ClientSampleId :

Tot Ion: 43 Resp: 3097

Ion Ratio Lower Upper

43 100

58 30.0 22.4 33.6



#20

Methylene Chloride

Concen: 9.226 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012255.D

Acq: 28 Aug 2019 15:41

Tgt Ion: 84 Resp: 25414

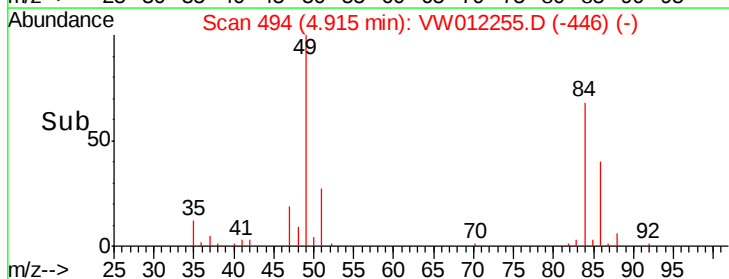
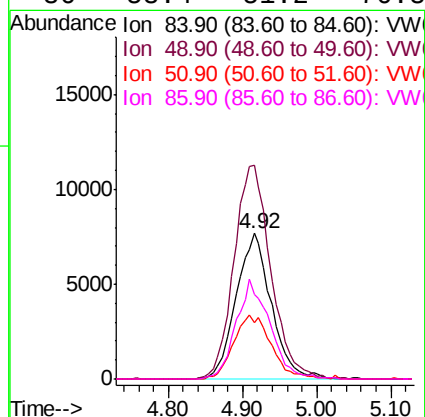
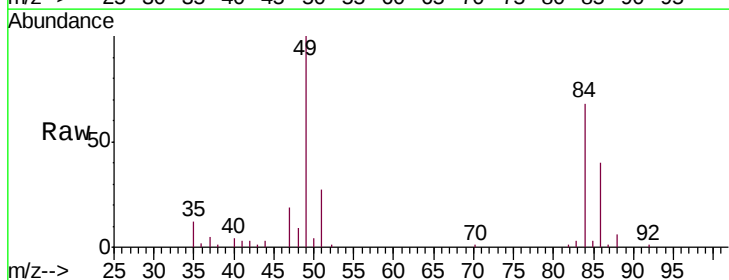
Ion Ratio Lower Upper

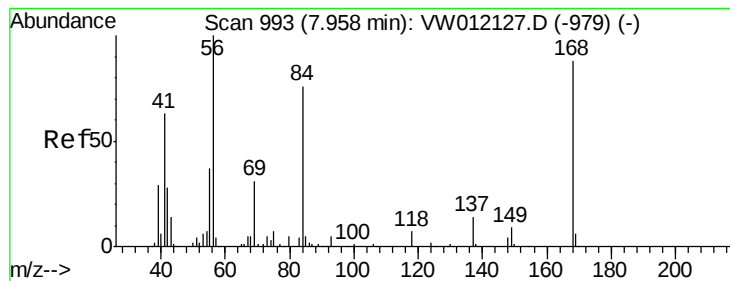
84 100

49 146.7 117.8 176.8

51 39.0 35.6 53.4

86 58.4 51.2 76.8





#31

Cyclohexane

Concen: 1.151 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

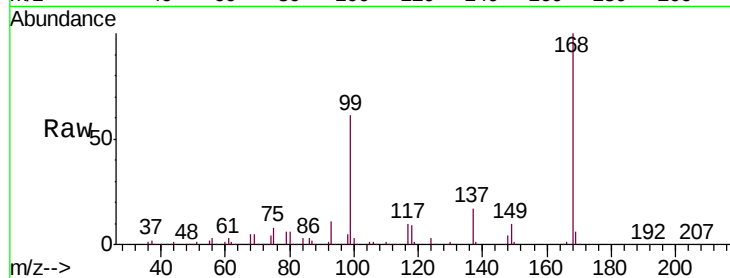
Lab File: VW012255.D

Acq: 28 Aug 2019 15:41

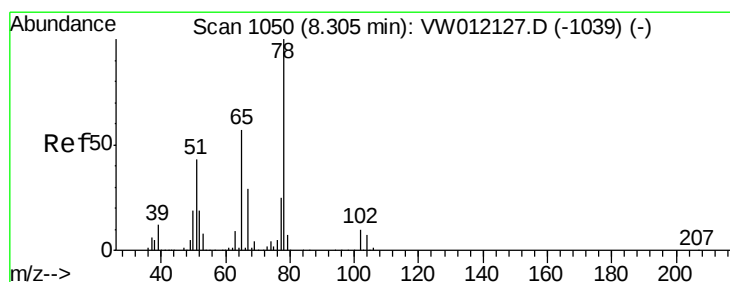
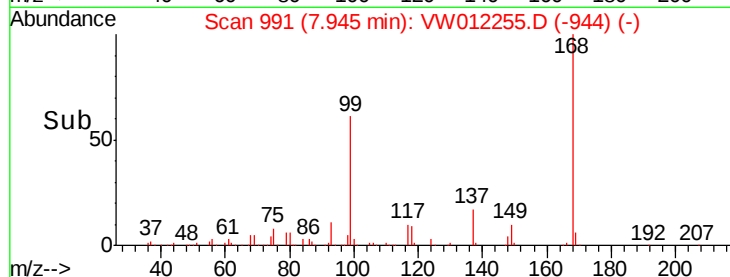
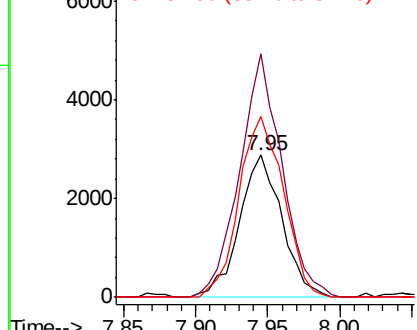
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5910

Ion	Ratio	Lower	Upper
56	100		
69	171.4	24.9	37.3#
84	127.2	60.6	90.8#



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



#33

1,2-Dichloroethane-d4

Concen: 50.518 ug/l

RT: 8.31 min Scan# 1050

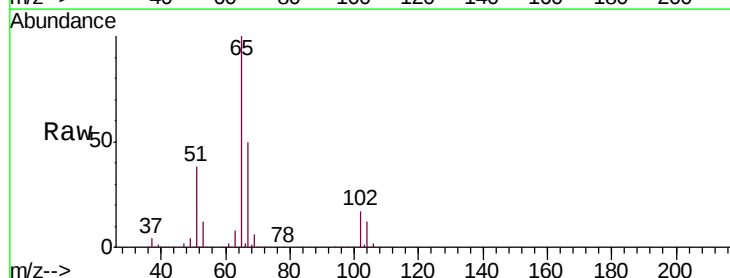
Delta R.T. -0.00 min

Lab File: VW012255.D

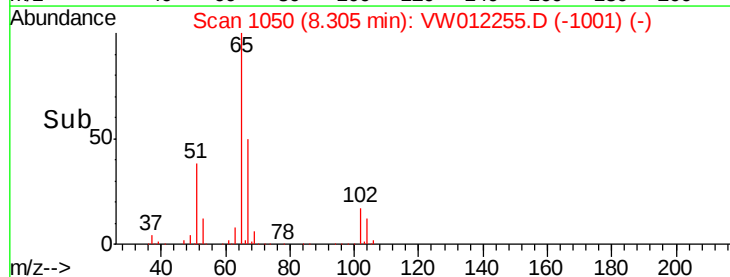
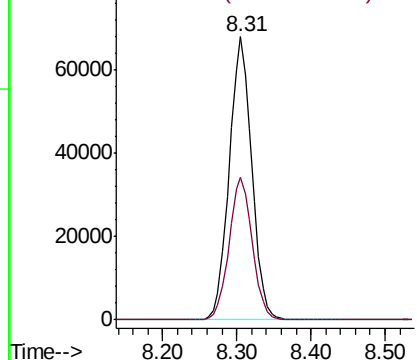
Acq: 28 Aug 2019 15:41

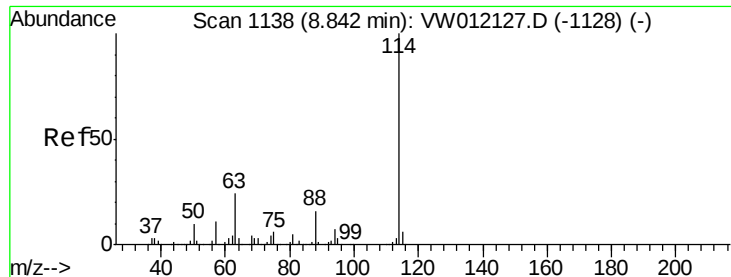
Tgt Ion: 65 Resp: 144002

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	102.6



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

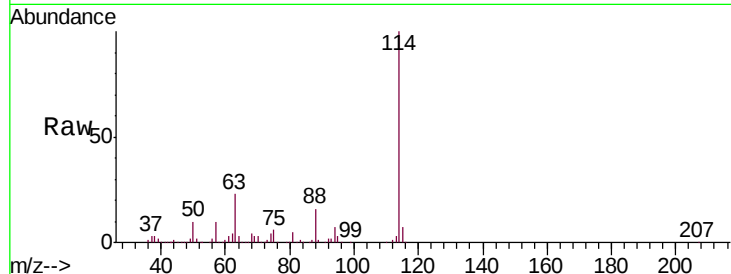




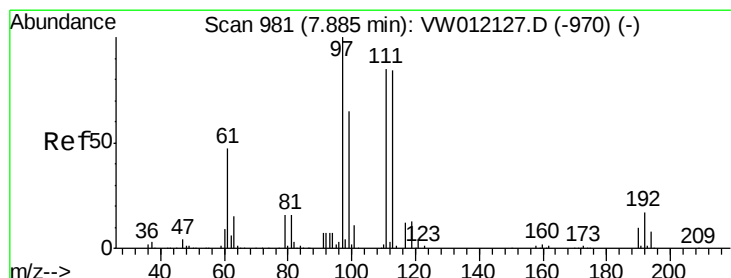
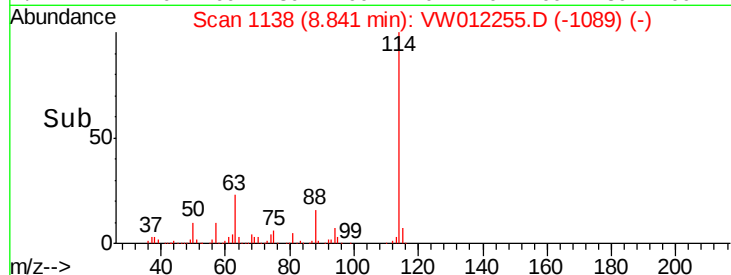
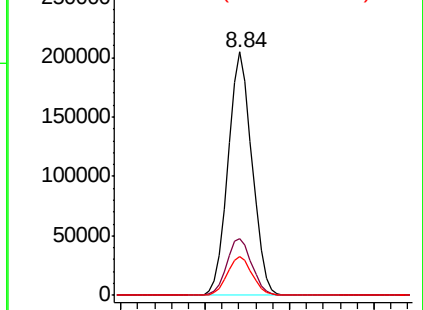
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012255.D
 Acq: 28 Aug 2019 15:41

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	48.6
88	16.1	0.0	32.2

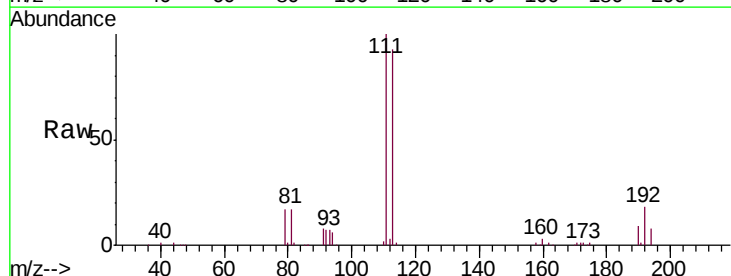


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

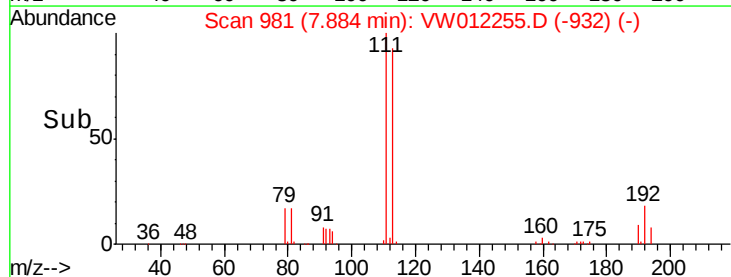
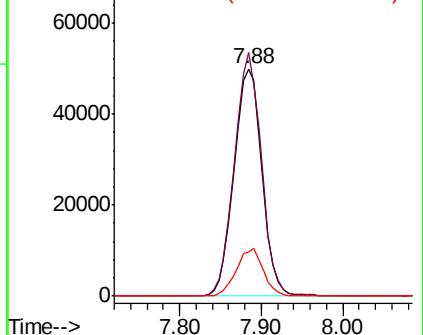


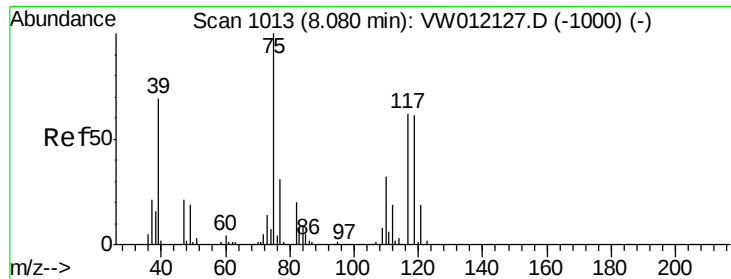
#35
 Dibromofluoromethane
 Concen: 49.822 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012255.D
 Acq: 28 Aug 2019 15:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.7	124.1
192	20.2	16.2	24.2



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

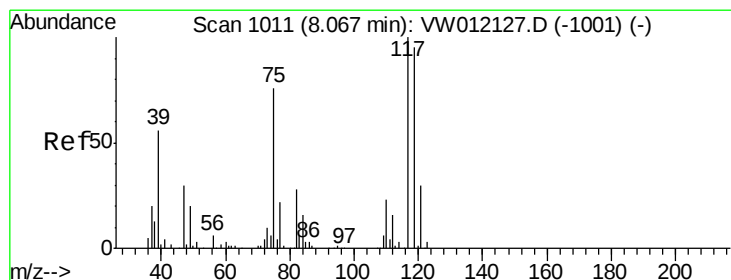
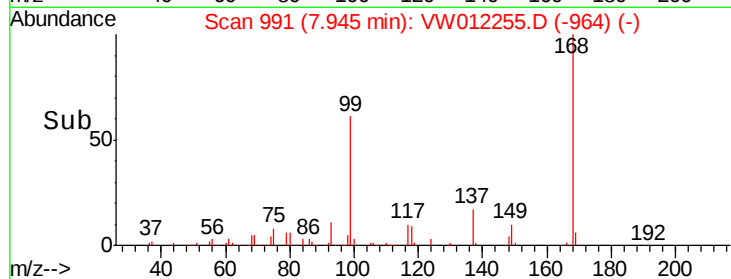
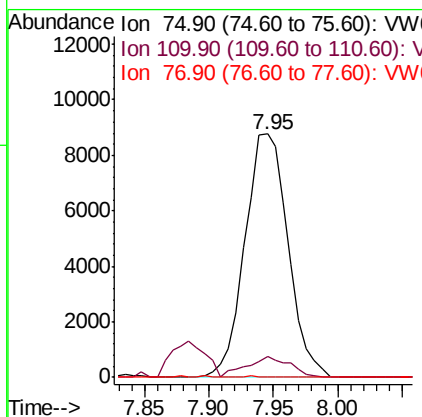
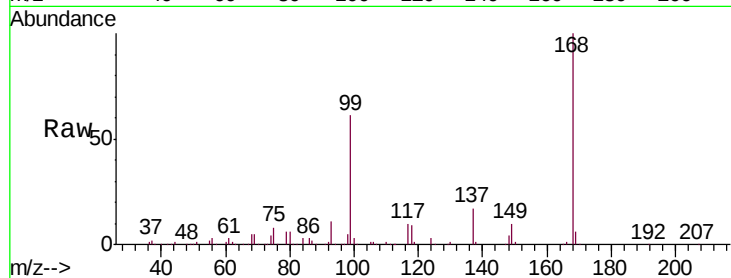




#36
 1,1-Dichloropropene
 Concen: 4.950 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012255.D
 Acq: 28 Aug 2019 15:41

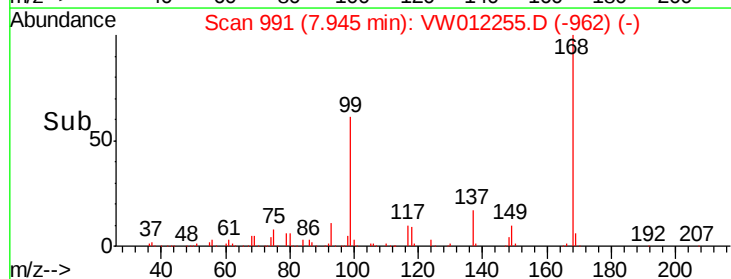
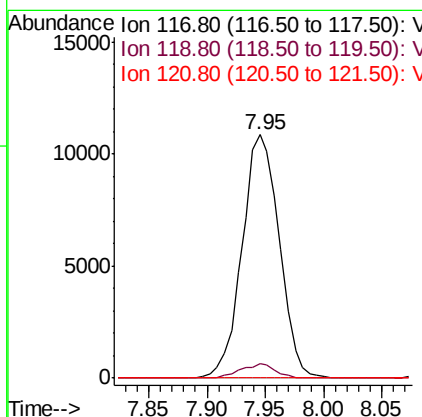
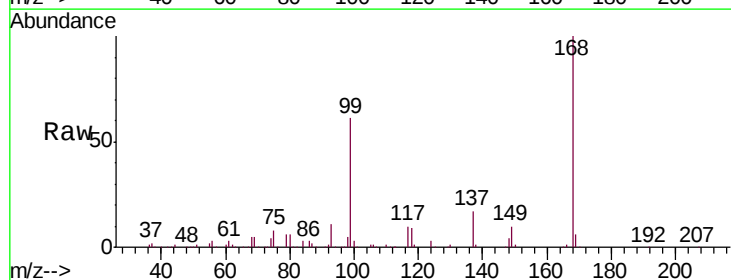
Instrument :
 MSVOA_W
 ClientSampled :

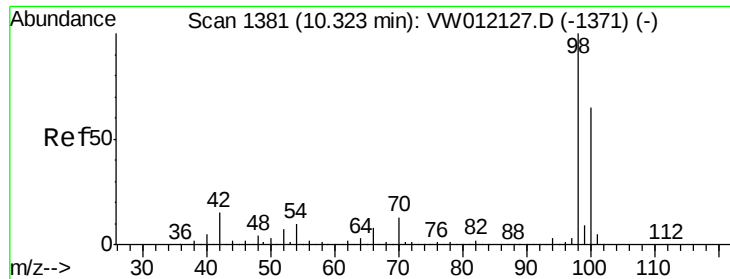
Tot Ion: 75 Resp: 20254
 Ion Ratio Lower Upper
 75 100
 110 8.2 15.6 46.8#
 77 0.1 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.802 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012255.D
 Acq: 28 Aug 2019 15:41

Tgt Ion: 117 Resp: 24089
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.2 114.2#
 121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 50.186 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012255.D

Acq: 28 Aug 2019 15:41

Instrument :

MSVOA_W

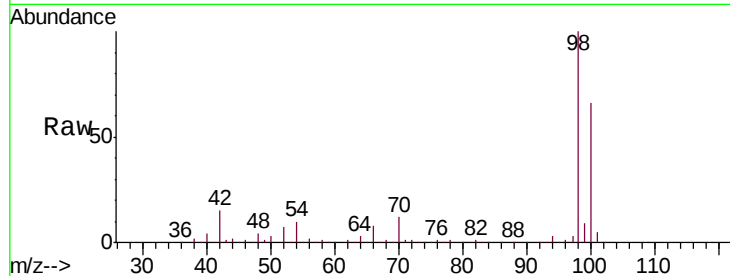
ClientSampleId :

Tot Ion: 98 Resp: 480953

Ion Ratio Lower Upper

98 100

100 65.4 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

250000

200000

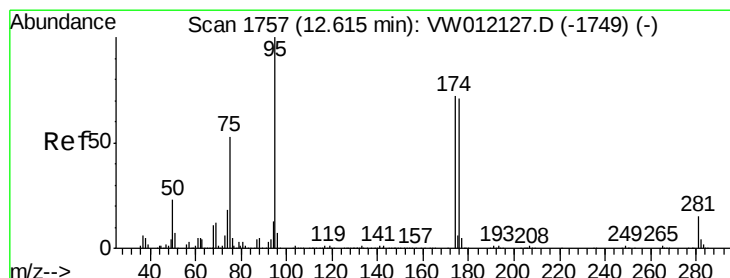
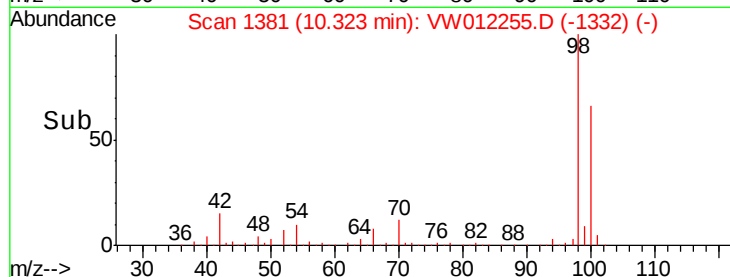
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 42.594 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012255.D

Acq: 28 Aug 2019 15:41

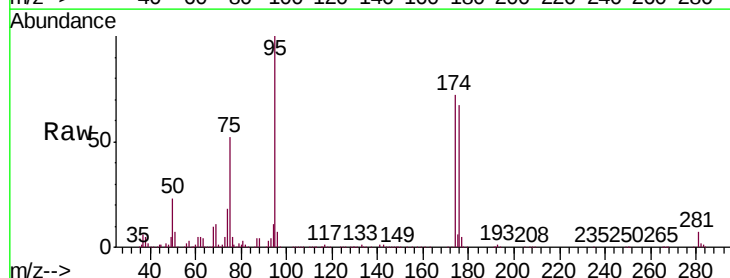
Tgt Ion: 95 Resp: 143888

Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.8

176 73.1 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

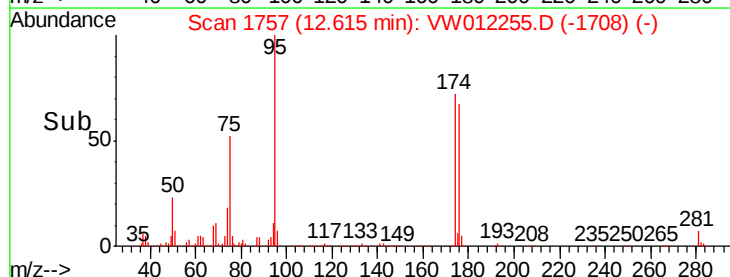
60000

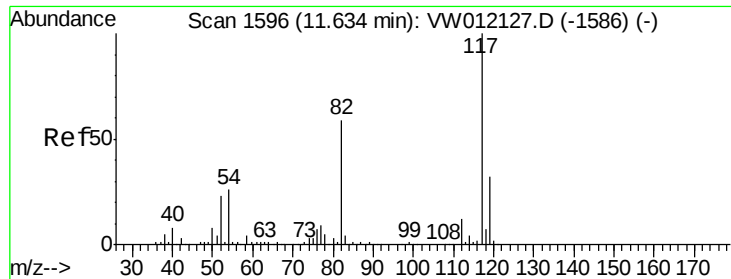
40000

20000

0

Time--> 12.60 12.70





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012255.D

Acq: 28 Aug 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

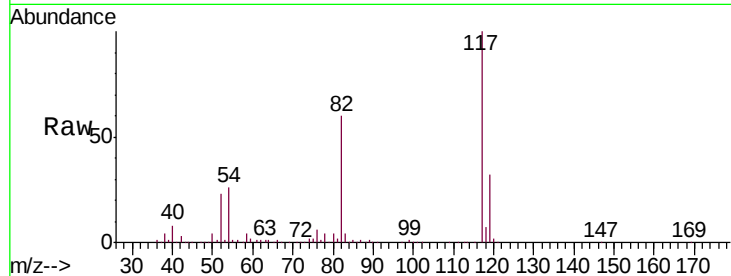
Tot Ion:117 Resp: 315201

Ion Ratio Lower Upper

117 100

82 59.9 47.4 71.2

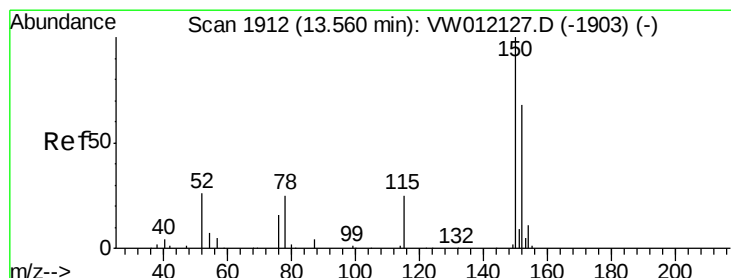
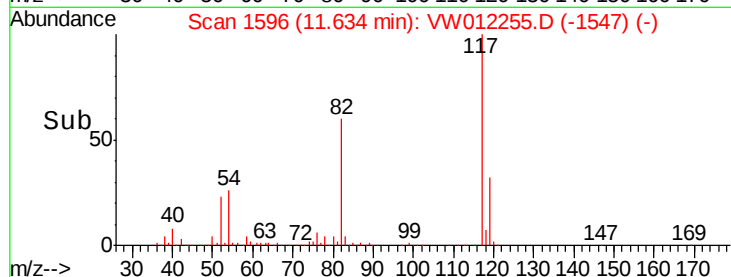
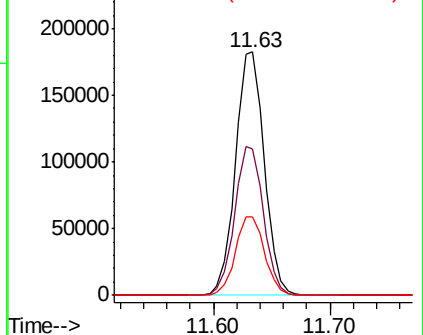
119 32.3 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012255.D

Acq: 28 Aug 2019 15:41

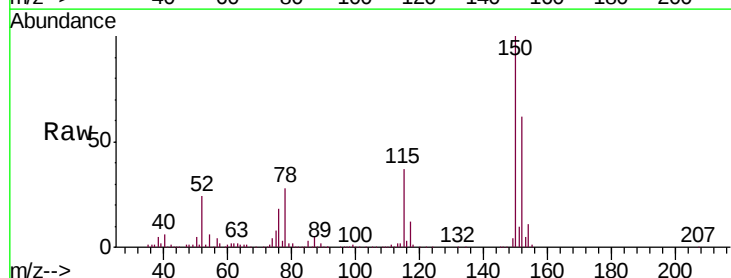
Tgt Ion:152 Resp: 114388

Ion Ratio Lower Upper

152 100

115 60.2 30.1 90.3

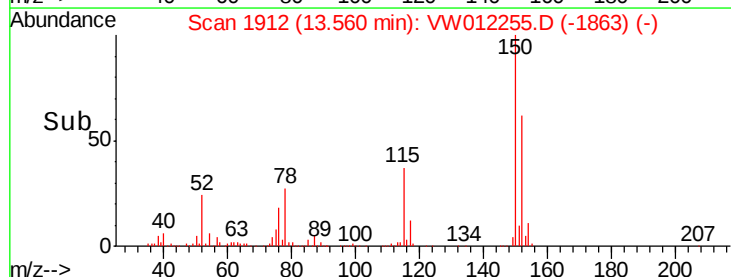
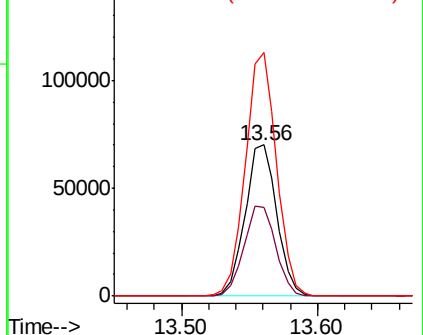
150 158.2 0.0 345.8

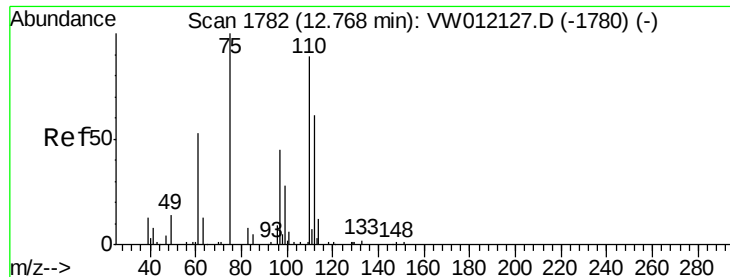


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



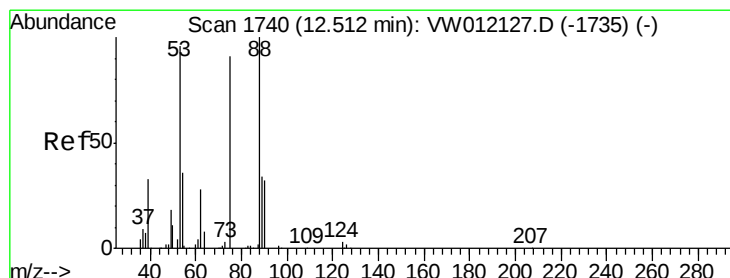
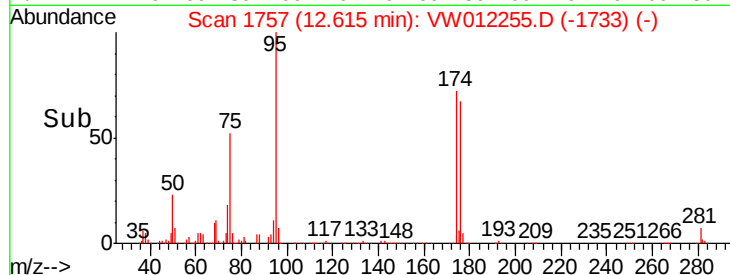
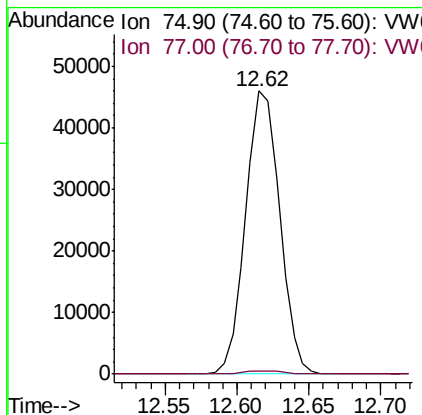
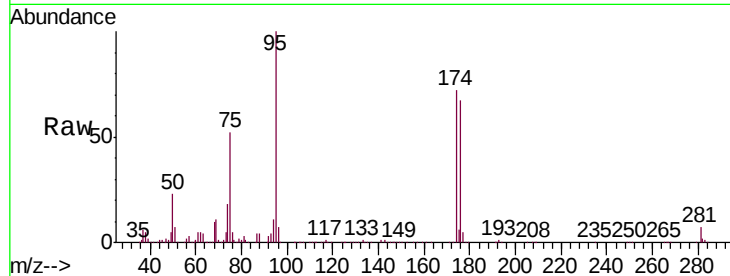


#76

1,2,3-Trichloropropane
Concen: 67.883 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012255.D
Acq: 28 Aug 2019 15:41

Instrument :
MSVOA_W
ClientSampled :

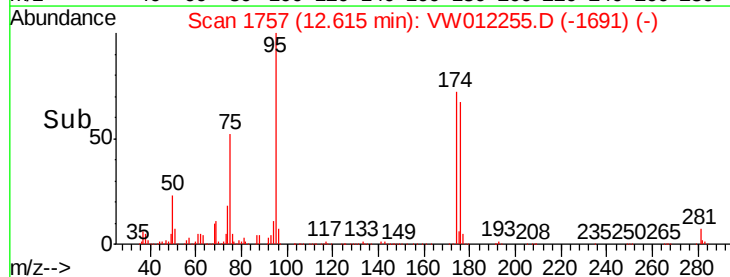
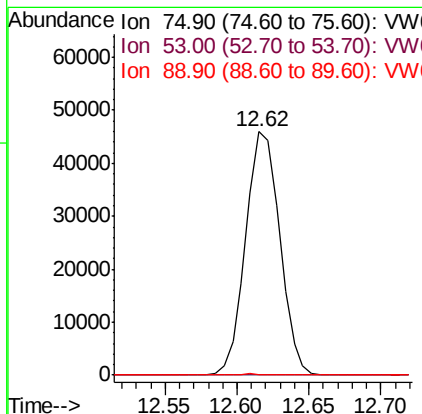
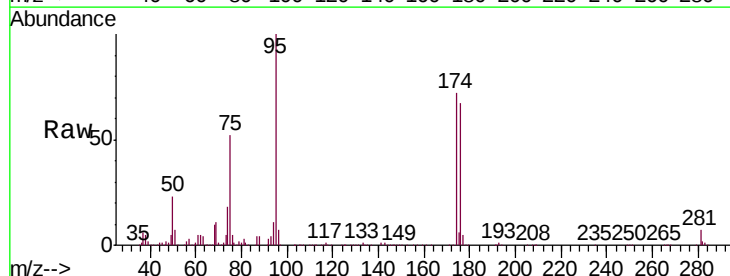
Tot Ion: 75 Resp: 75626
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

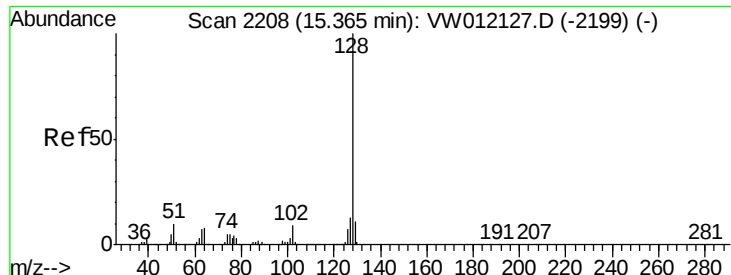


#81

trans-1,4-Dichloro-2-butene
Concen: 148.837 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012255.D
Acq: 28 Aug 2019 15:41

Tgt Ion: 75 Resp: 75626
Ion Ratio Lower Upper
75 100
53 0.0 89.4 134.0#
89 0.1 34.5 51.7#





#95

Naphthalene

Concen: 4.417 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

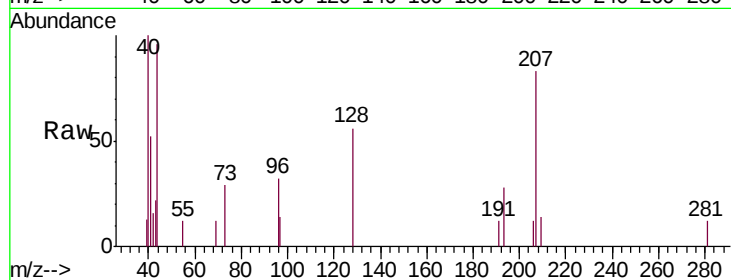
Lab File: VW012255.D

Acq: 28 Aug 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :



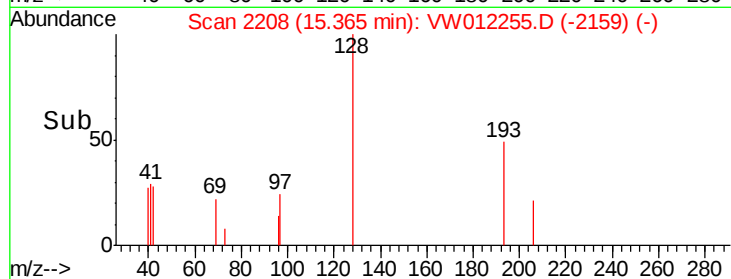
Tot Ion:128 Resp: 455

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 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

