

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012247.D
 Acq On : 28 Aug 2019 12:15
 Operator : SY/VA
 Sample : K4521-14
 Misc : 3.89G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 28 17:25:13 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	225881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	370578	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	313024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133992	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	125759	46.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.66%	
35) Dibromofluoromethane	7.88	113	108679	49.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.26%	
50) Toluene-d8	10.32	98	456975	50.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.62	95	150294	47.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.08%	

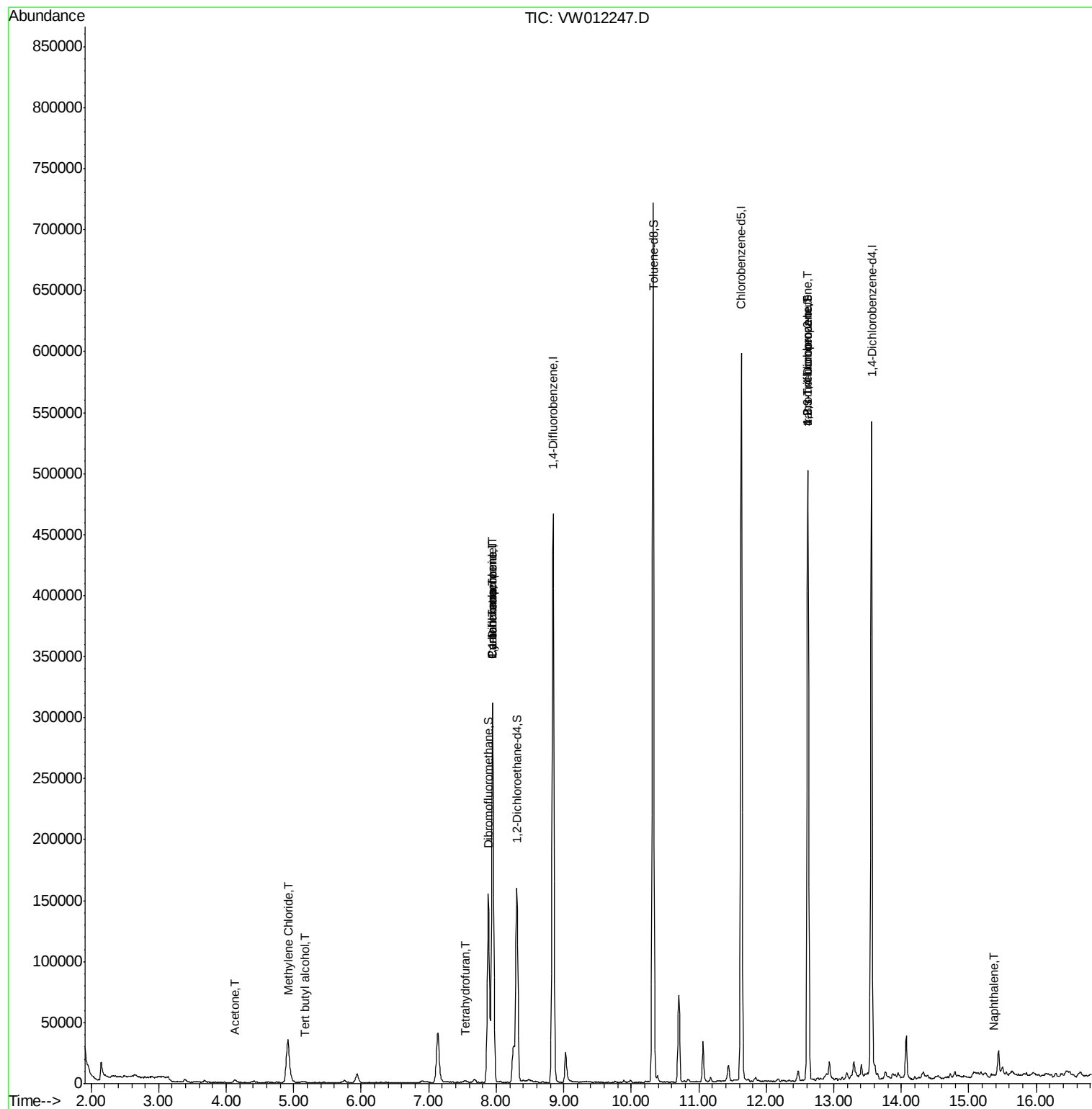
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	613	3.793	ug/l #	90
16) Acetone	4.12	43	5071	7.388	ug/l	97
20) Methylene Chloride	4.92	84	25571	9.855	ug/l	95
29) Tetrahydrofuran	7.53	42	1202	2.148	ug/l #	82
31) Cyclohexane	7.95	56	5521	1.142	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19123	4.994	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22281	6.722	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	79522	60.937	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79522	133.607	ug/l #	6
95) Naphthalene	15.37	128	2153	4.710	ug/l #	88

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012247.D

Acq: 28 Aug 2019 12:15

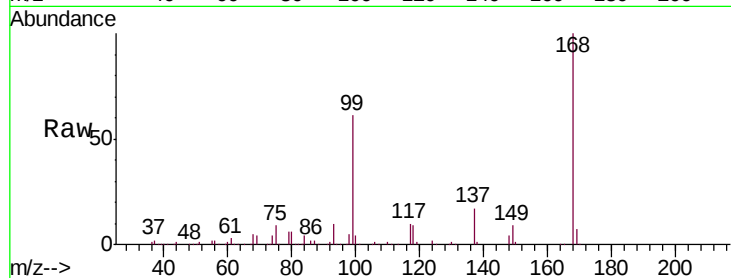
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 225881

Ion Ratio Lower Upper

168 100

99 61.3 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

100000

80000

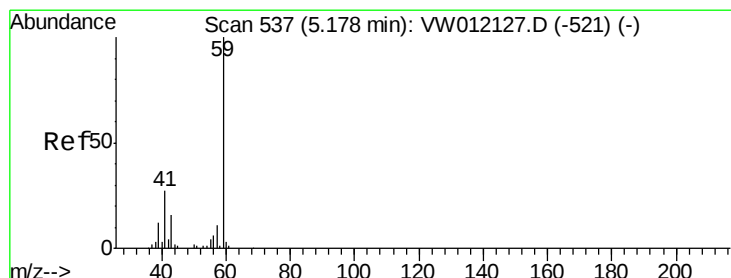
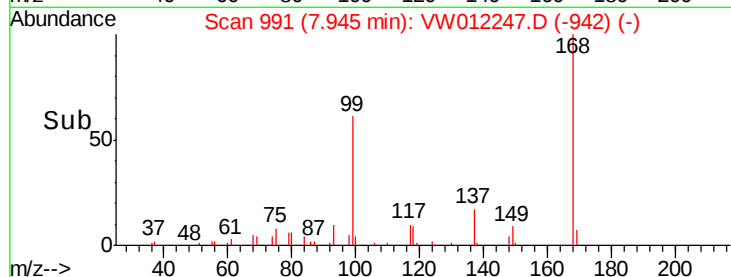
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.793 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW012247.D

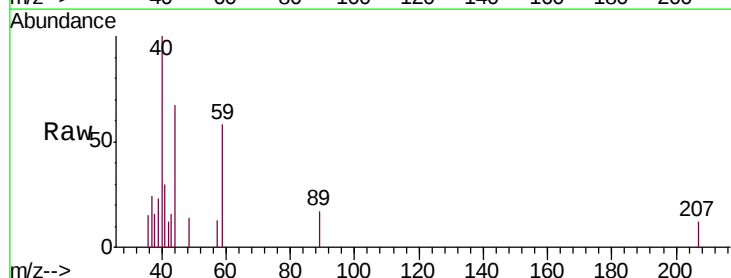
Acq: 28 Aug 2019 12:15

Tgt Ion: 59 Resp: 613

Ion Ratio Lower Upper

59 100

57 15.2 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

300

250

200

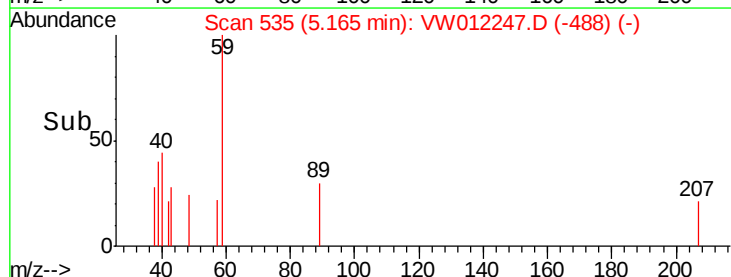
150

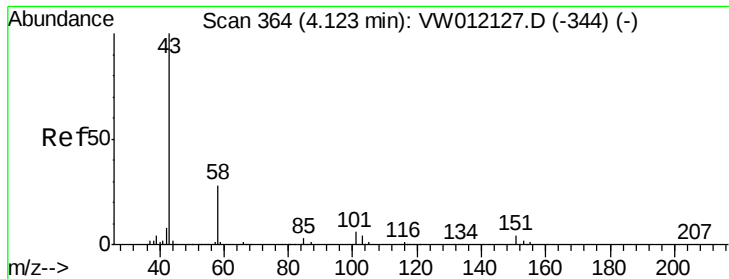
100

50

0

Time-->

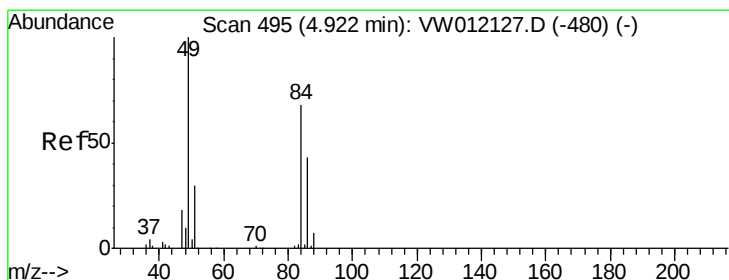
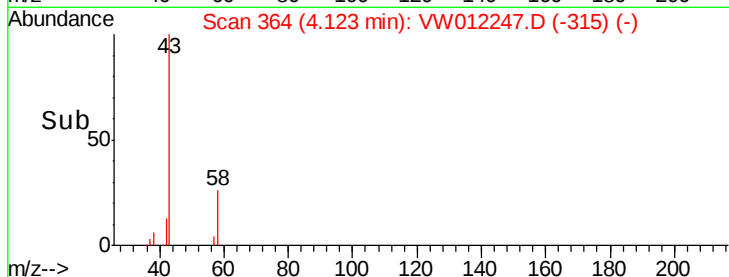
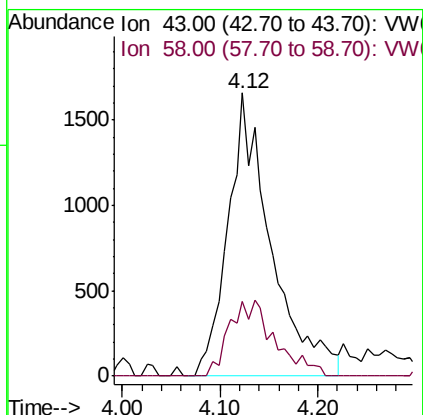
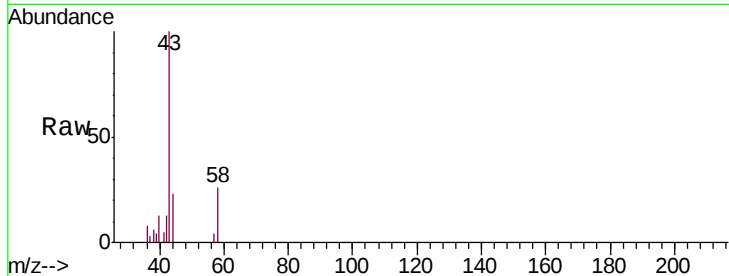




#16
Acetone
Concen: 7.388 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW012247.D
Acq: 28 Aug 2019 12:15

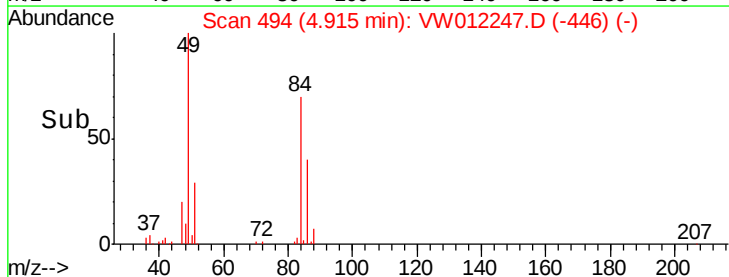
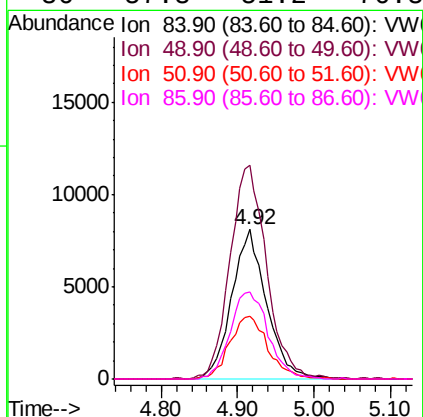
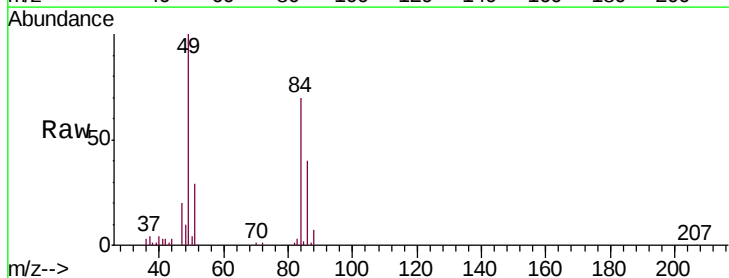
Instrument :
MSVOA_W
ClientSampleId :

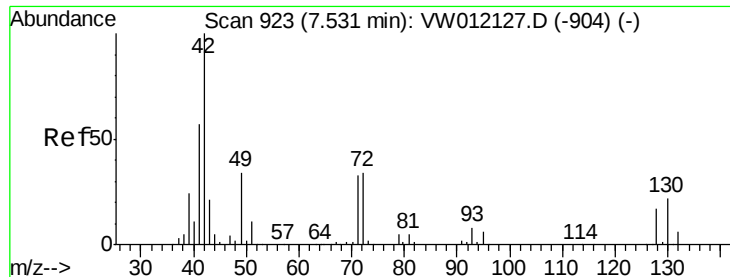
Tot Ion: 43 Resp: 5071
Ion Ratio Lower Upper
43 100
58 26.4 22.4 33.6



#20
Methylene Chloride
Concen: 9.855 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012247.D
Acq: 28 Aug 2019 12:15

Tgt Ion: 84 Resp: 25571
Ion Ratio Lower Upper
84 100
49 142.7 117.8 176.8
51 41.7 35.6 53.4
86 57.8 51.2 76.8





#29

Tetrahydrofuran

Concen: 2.148 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012247.D

Acq: 28 Aug 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

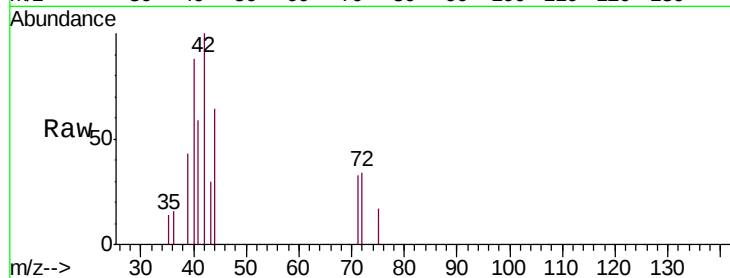
Tot Ion: 42 Resp: 1202

Ion Ratio Lower Upper

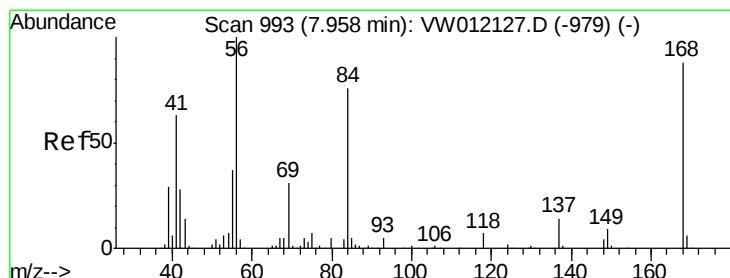
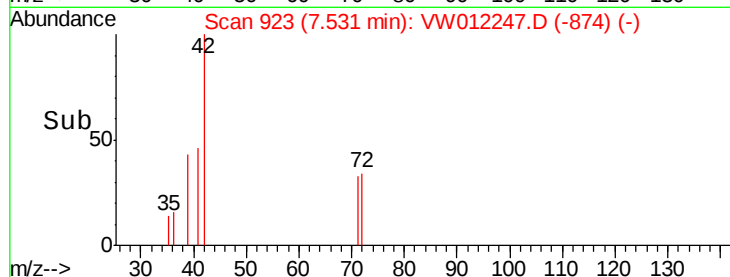
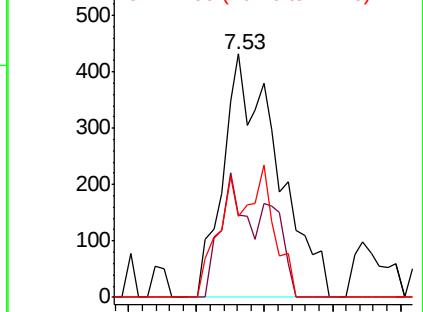
42 100

72 25.5 27.3 40.9#

71 19.9 25.5 38.3#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.142 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012247.D

Acq: 28 Aug 2019 12:15

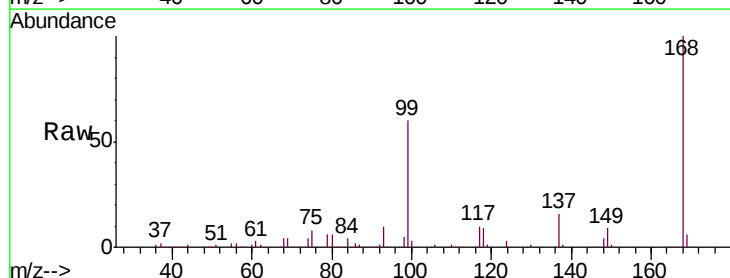
Tgt Ion: 56 Resp: 5521

Ion Ratio Lower Upper

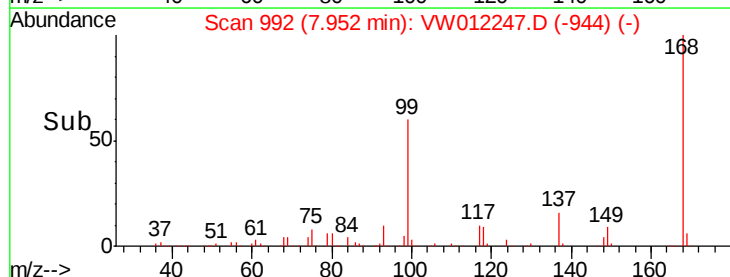
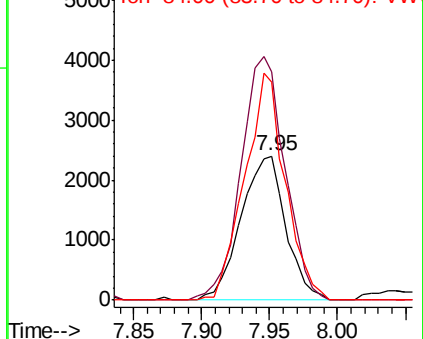
56 100

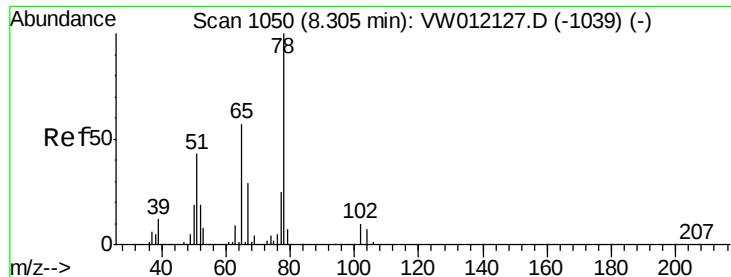
69 159.0 24.9 37.3#

84 151.7 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

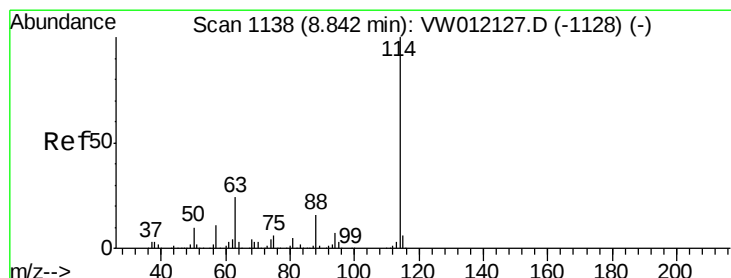
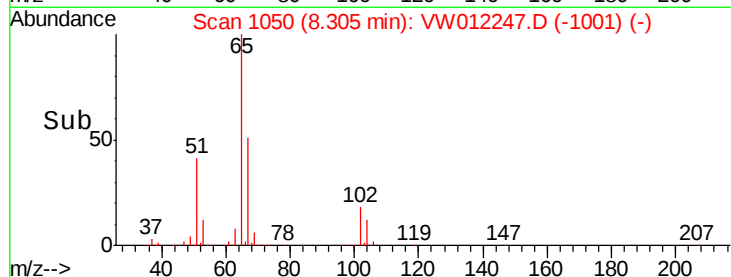
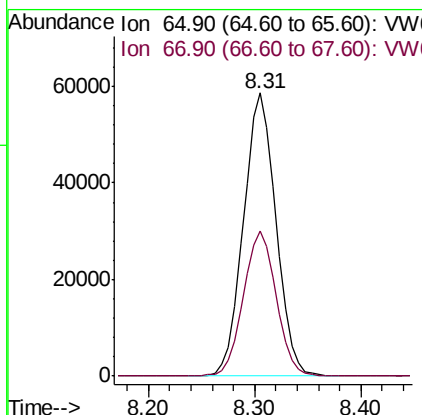
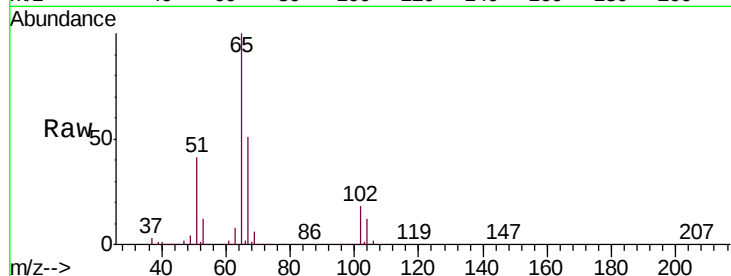




#33
 1,2-Dichloroethane-d4
 Concen: 46.835 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012247.D
 Acq: 28 Aug 2019 12:15

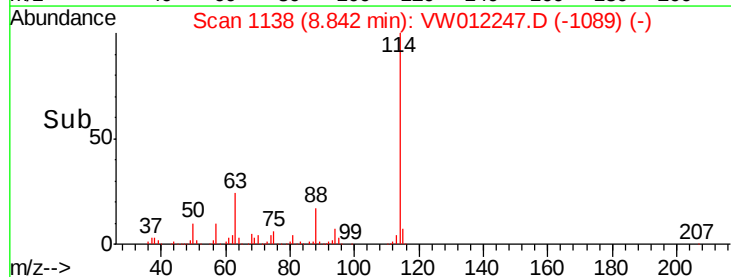
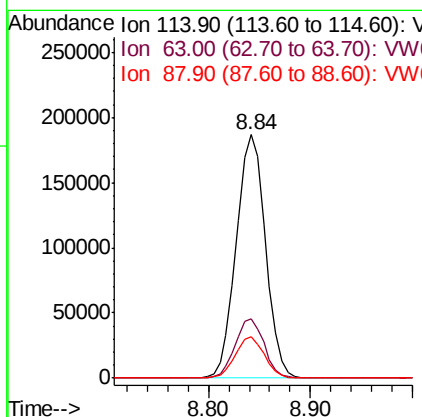
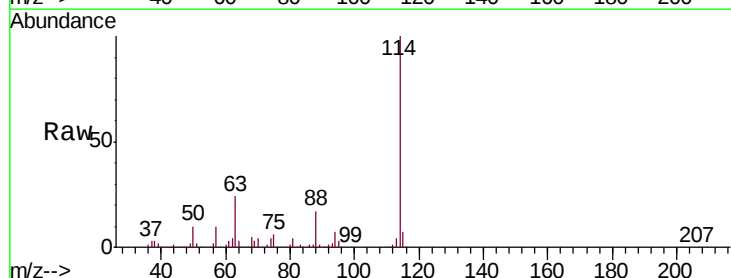
Instrument :
 MSVOA_W
 ClientSampleId :

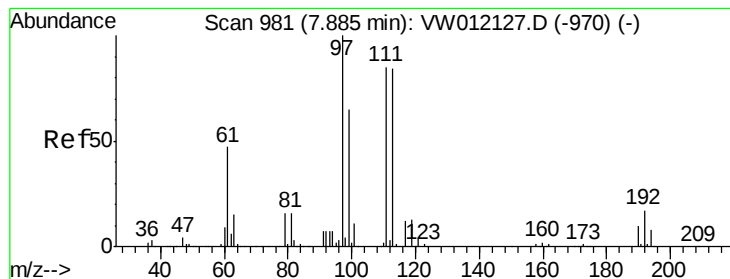
Tot Ion: 65 Resp: 125759
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012247.D
 Acq: 28 Aug 2019 12:15

Tgt Ion: 114 Resp: 370578
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 48.6
 88 16.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 49.132 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012247.D

Acq: 28 Aug 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

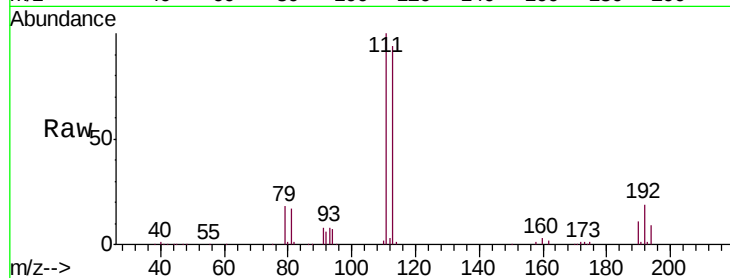
Tot Ion:113 Resp: 108679

Ion Ratio Lower Upper

113 100

111 103.1 82.7 124.1

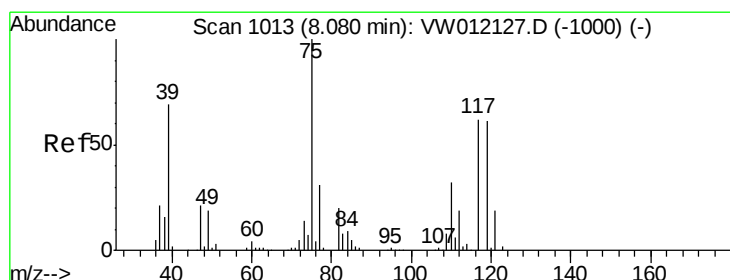
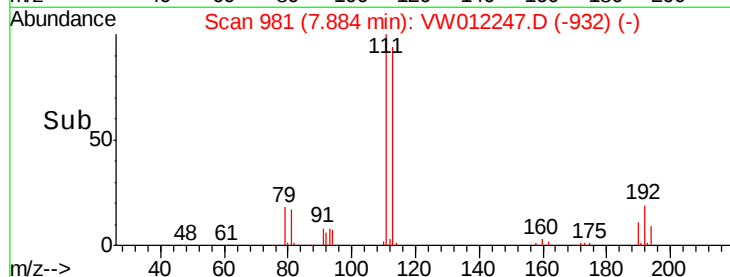
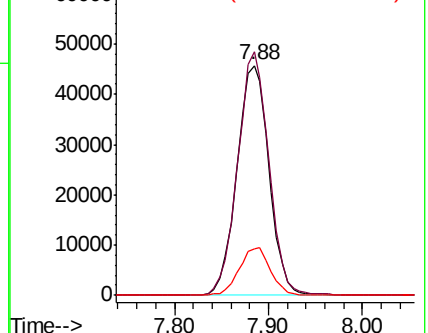
192 20.3 16.2 24.2



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: 4.994 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012247.D

Acq: 28 Aug 2019 12:15

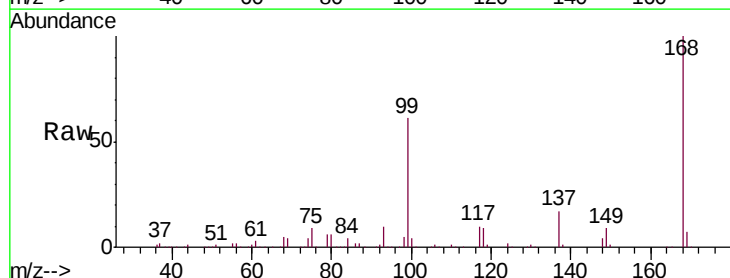
Tgt Ion: 75 Resp: 19123

Ion Ratio Lower Upper

75 100

110 8.7 15.6 46.8#

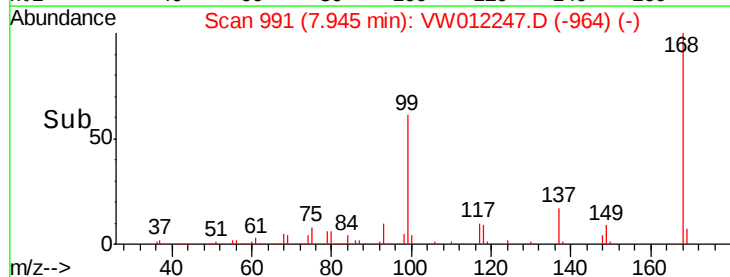
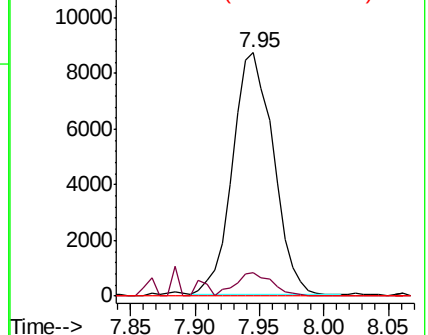
77 0.0 24.6 36.8#

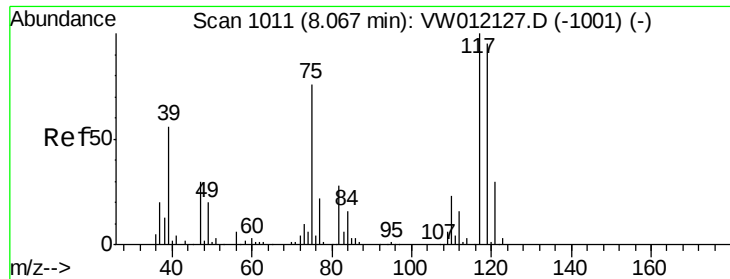


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.722 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW012247.D

Acq: 28 Aug 2019 12:15

Instrument :

MSVOA_W

ClientSampled :

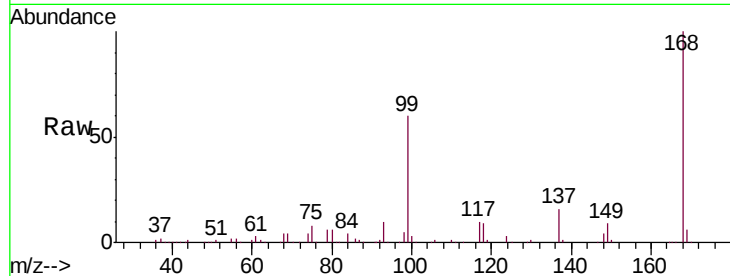
Tot Ion:117 Resp: 22281

Ion Ratio Lower Upper

117 100

119 5.5 76.2 114.2#

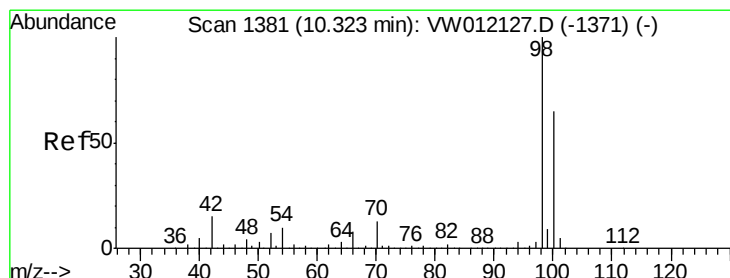
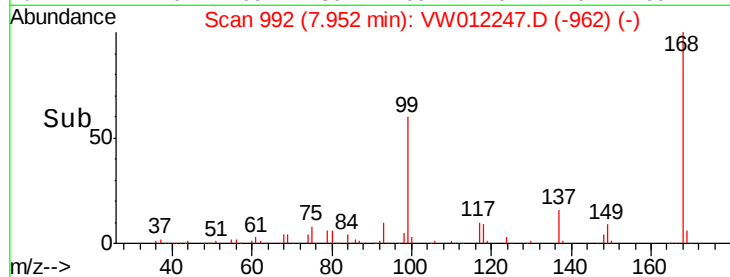
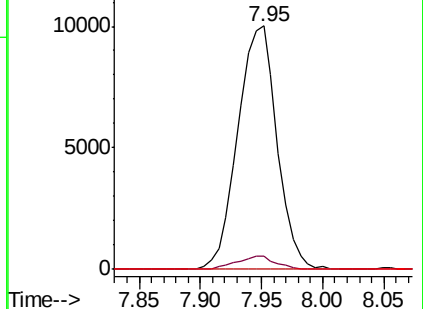
121 0.0 23.8 35.8#



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



#50

Toluene-d8

Concen: 50.951 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012247.D

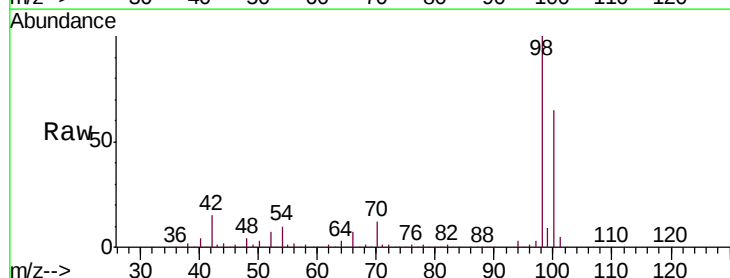
Acq: 28 Aug 2019 12:15

Tgt Ion: 98 Resp: 456975

Ion Ratio Lower Upper

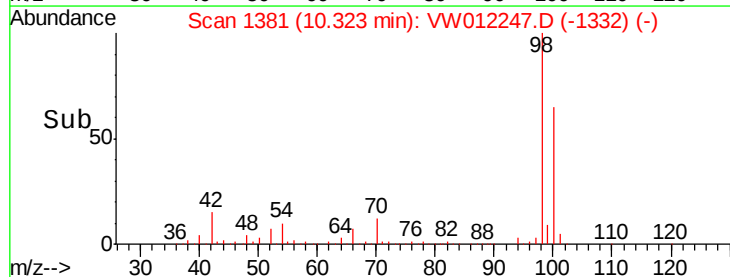
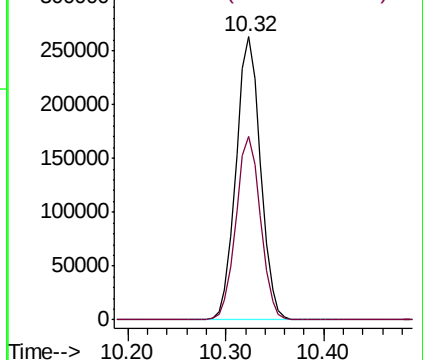
98 100

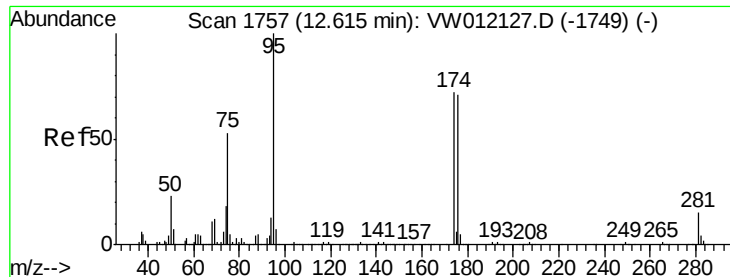
100 64.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

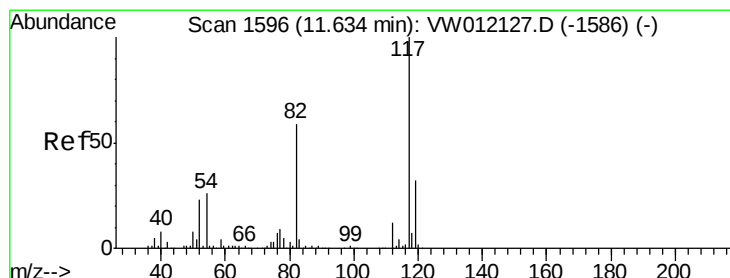
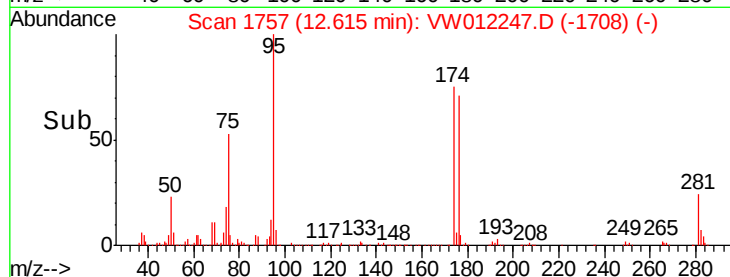
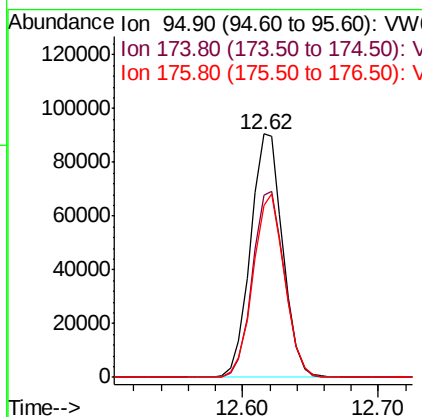
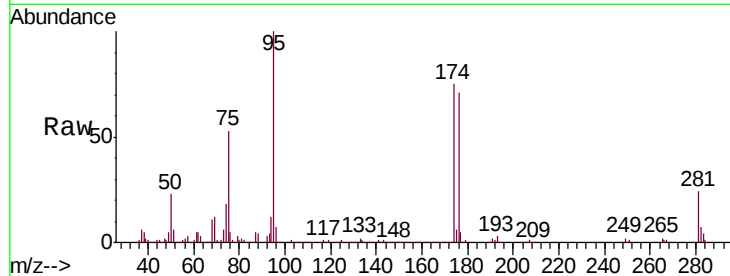




#62
4-Bromofluorobenzene
Concen: 47.538 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012247.D
Acq: 28 Aug 2019 12:15

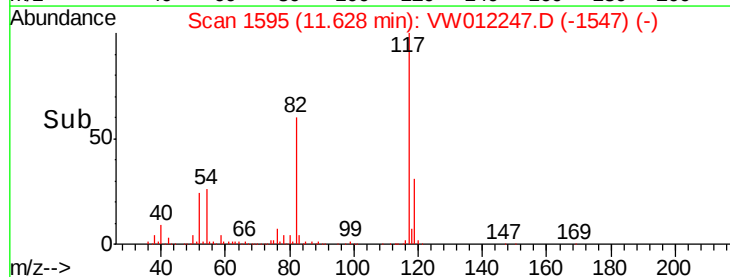
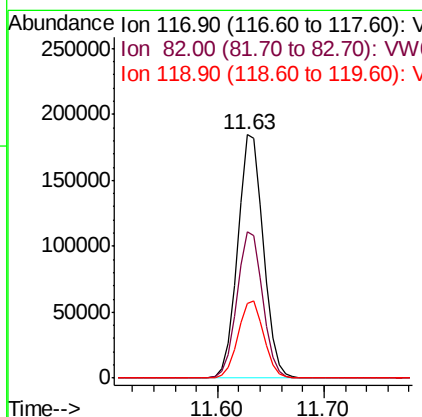
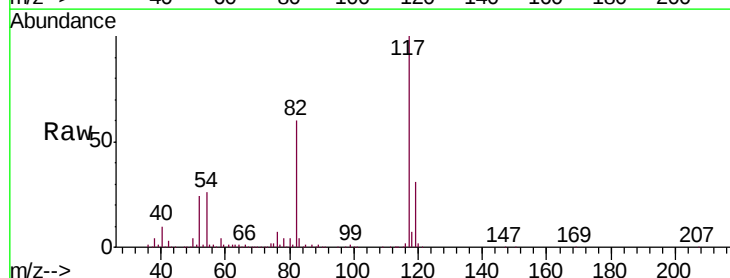
Instrument :
MSVOA_W
ClientSampleId :

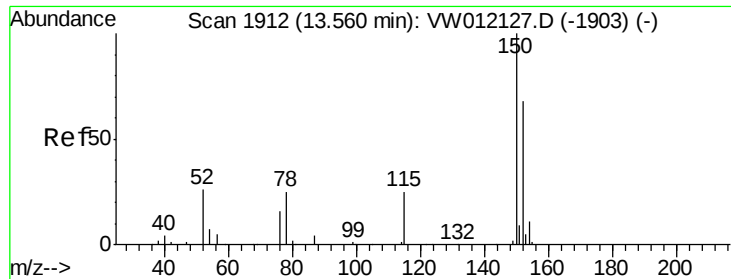
Tot Ion	95	Resp	150294
Ion Ratio	Lower	Upper	
95	100		
174	76.0	0.0	150.8
176	73.6	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012247.D
Acq: 28 Aug 2019 12:15

Tgt Ion	117	Resp	313024
Ion Ratio	Lower	Upper	
117	100		
82	60.1	47.4	71.2
119	30.8	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012247.D

Acq: 28 Aug 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

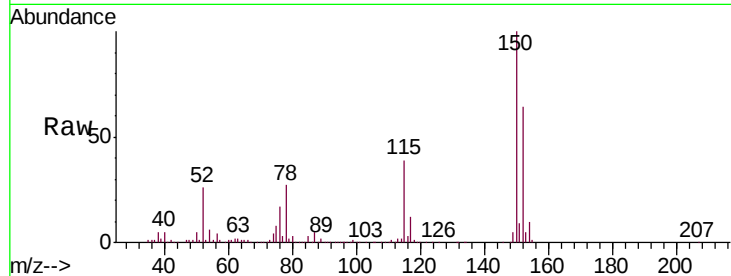
Tot Ion:152 Resp: 133992

Ion Ratio Lower Upper

152 100

115 60.4 30.1 90.3

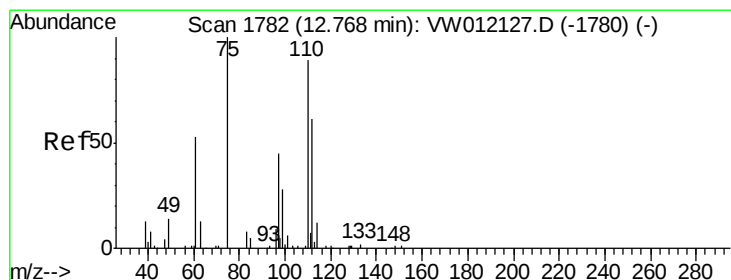
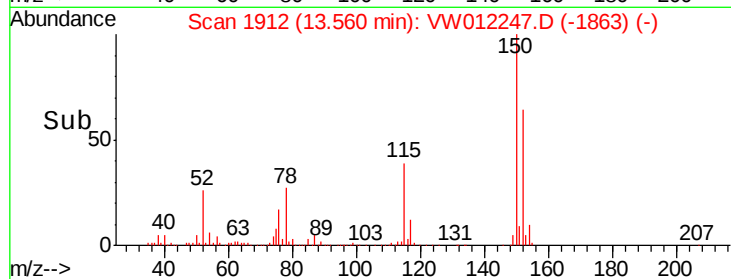
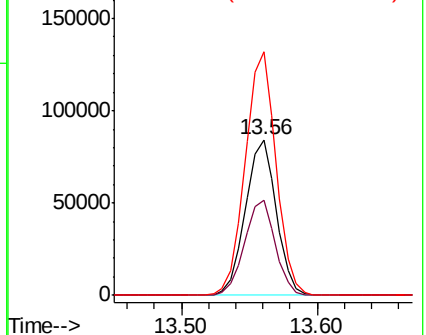
150 155.9 0.0 345.8



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: 60.937 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012247.D

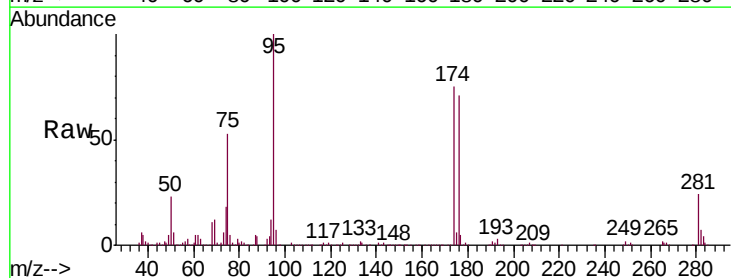
Acq: 28 Aug 2019 12:15

Tgt Ion: 75 Resp: 79522

Ion Ratio Lower Upper

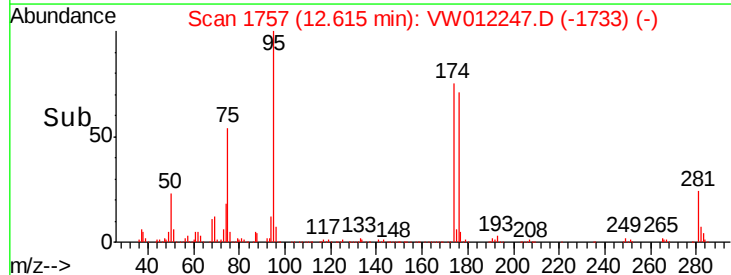
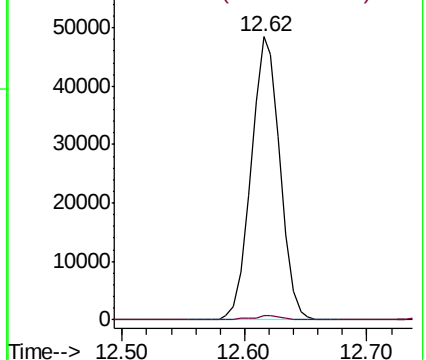
75 100

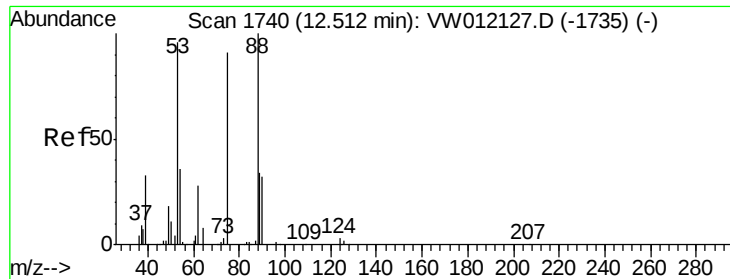
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

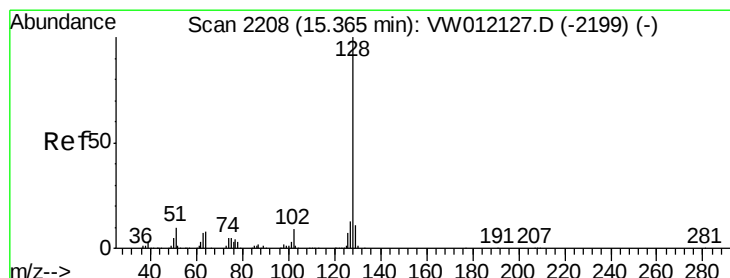
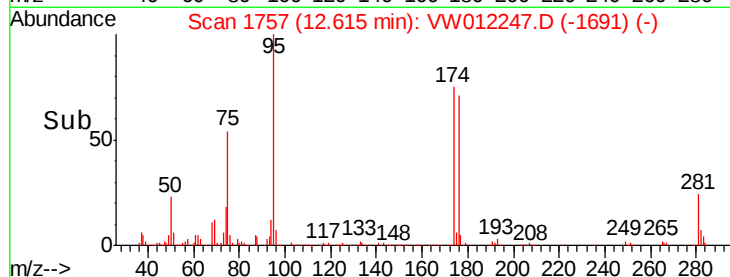
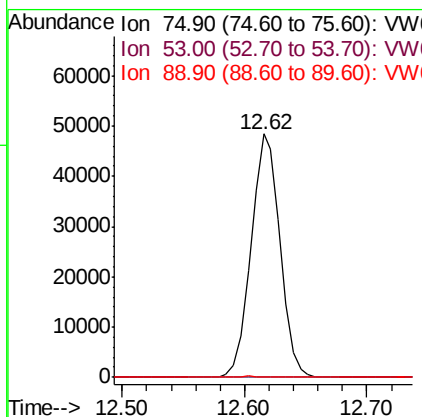
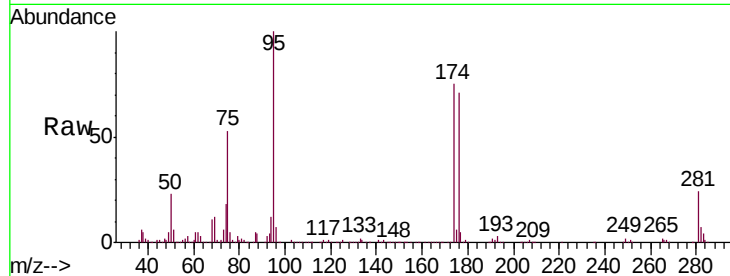




#81
trans-1,4-Dichloro-2-butene
Concen: 133.607 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012247.D
Acq: 28 Aug 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 79522
Ion Ratio Lower Upper
75 100
53 0.0 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.710 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012247.D
Acq: 28 Aug 2019 12:15

Tgt Ion: 128 Resp: 2153
Ion Ratio Lower Upper
128 100
127 17.5 10.7 16.1#
129 16.2 8.7 13.1#

