

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012332.D
 Acq On : 30 Aug 2019 04:58
 Operator : SY/VA
 Sample : K4554-01
 Misc : 4.94G/5ML/MSVOA_W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-13-0-2

Quant Time: Aug 30 06:56:14 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	224355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	301469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121168	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	131053	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
35) Dibromofluoromethane	7.88	113	108461	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
50) Toluene-d8	10.32	98	446661	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.62	95	140022	44.64	ug/l	0.00
Spiked Amount			Recovery	=	89.28%	

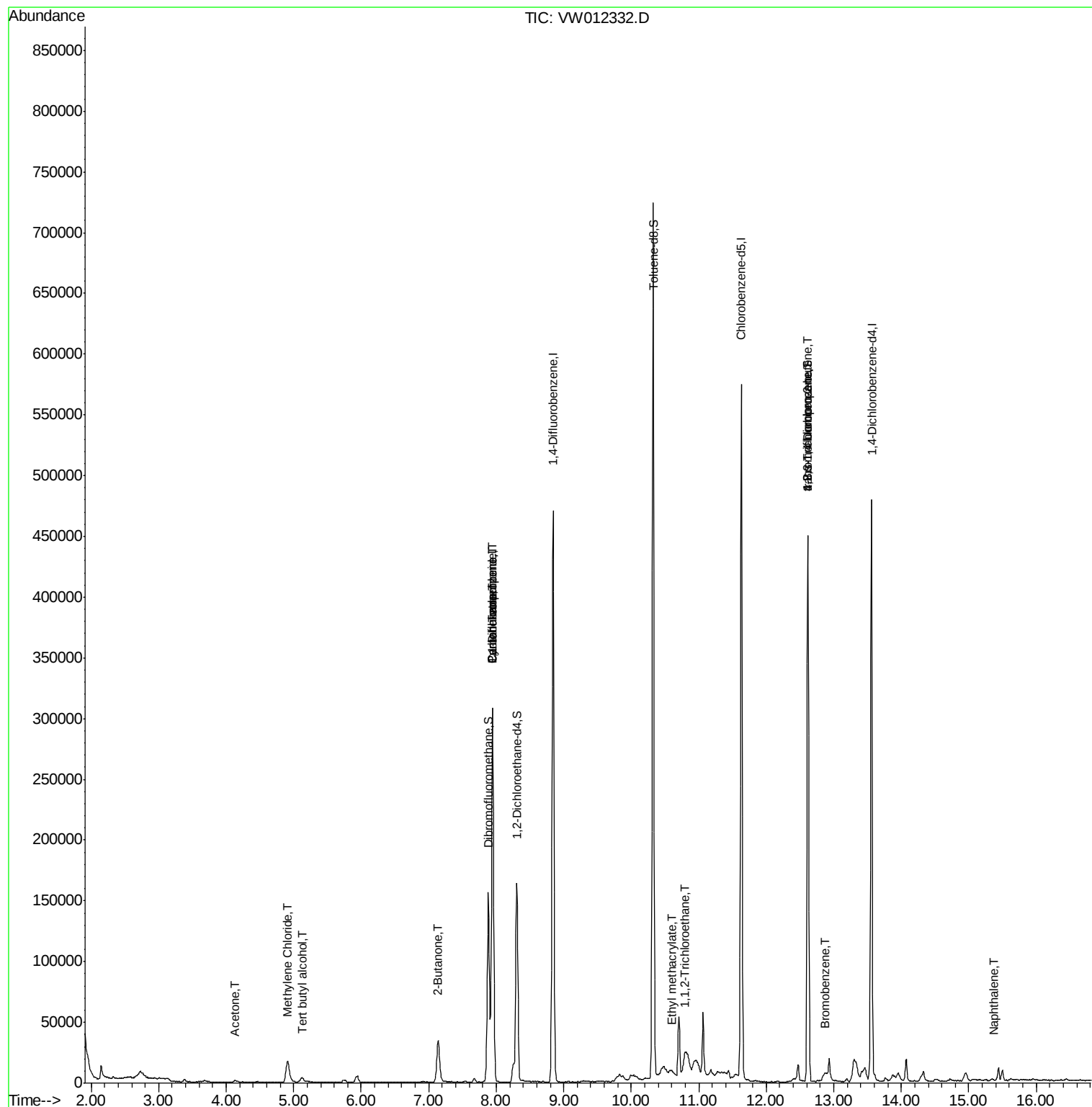
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	3916	24.399	ug/l #	74
16) Acetone	4.13	43	2473	3.627	ug/l #	84
20) Methylene Chloride	4.90	84	13125	5.093	ug/l	89
25) 2-Butanone	7.14	43	2151	2.322	ug/l #	89
31) Cyclohexane	7.95	56	5744	1.196	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19316	5.084	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23076	7.017	ug/l #	16
55) 1,1,2-Trichloroethane	10.80	97	1996	1.136	ug/l #	14
56) Ethyl methacrylate	10.59	69	8349	3.264	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	74868	63.443	ug/l #	100
77) Bromobenzene	12.86	156	5230	2.663	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	74868	139.100	ug/l #	6
95) Naphthalene	15.37	128	569	4.435	ug/l #	78

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
Data File : VW012332.D
Acq On : 30 Aug 2019 04:58
Operator : SY/VA
Sample : K4554-01
Misc : 4.94G/5ML/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-13-(0-2)

Quant Time: Aug 30 06:56:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 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: VW012332.D

Acq: 30 Aug 2019 04:58

Instrument :

MSVOA_W

ClientSampleId :

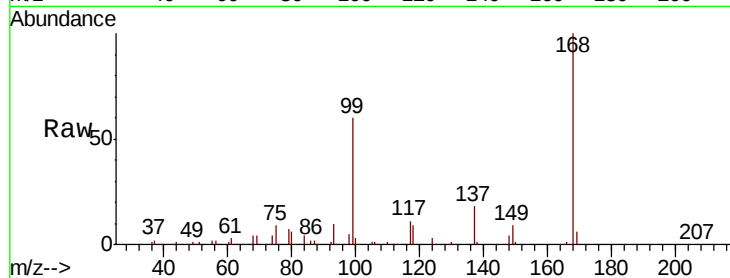
SB-13-(0-2)

Tgt Ion:168 Resp: 224355

Ion Ratio Lower Upper

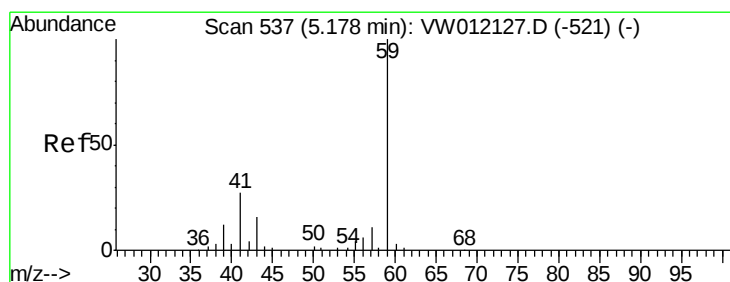
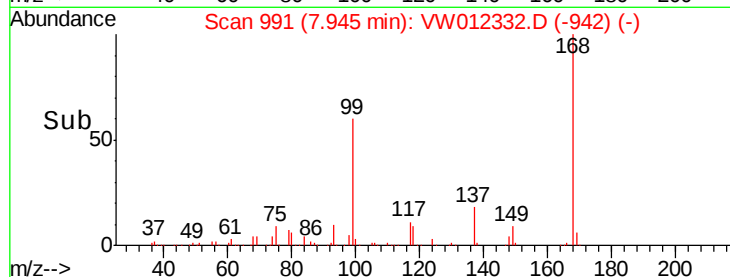
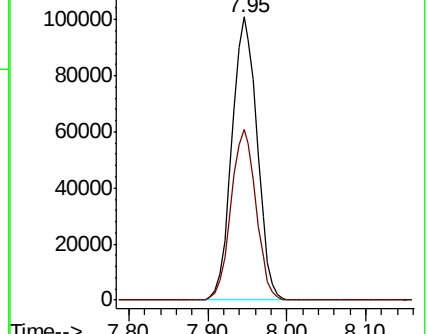
168 100

99 60.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 24.399 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW012332.D

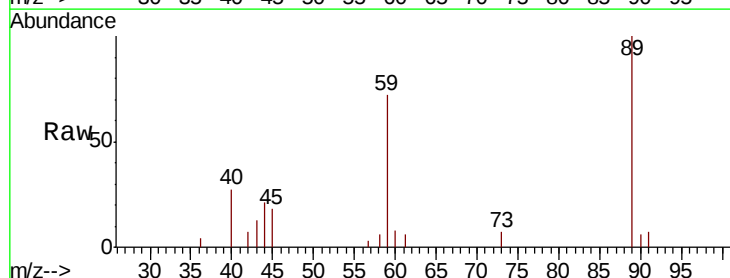
Acq: 30 Aug 2019 04:58

Tgt Ion: 59 Resp: 3916

Ion Ratio Lower Upper

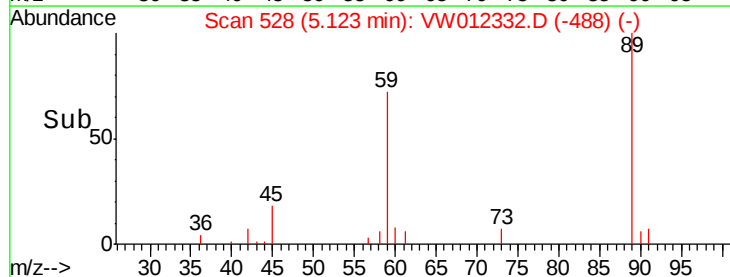
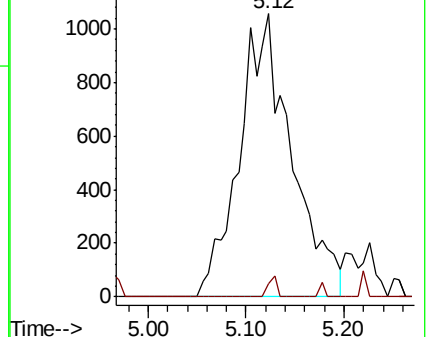
59 100

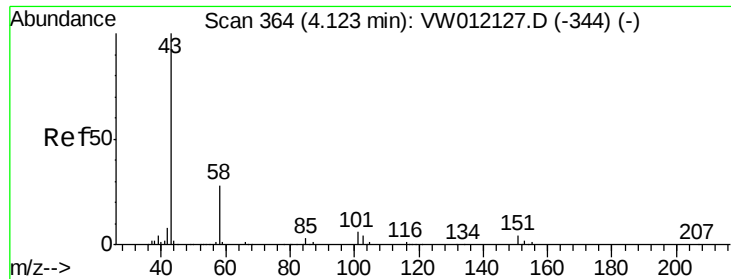
57 1.2 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

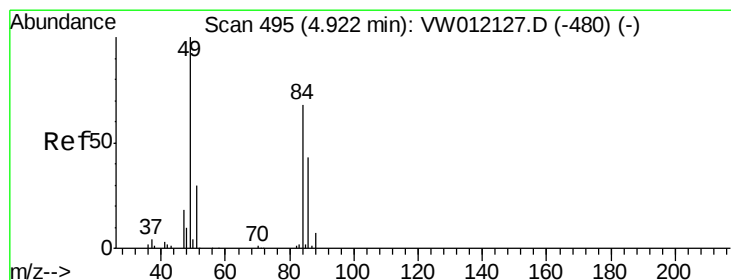
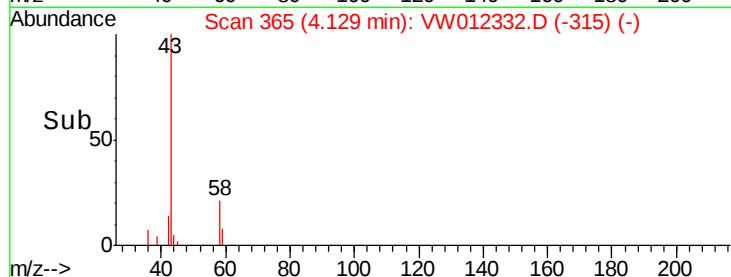
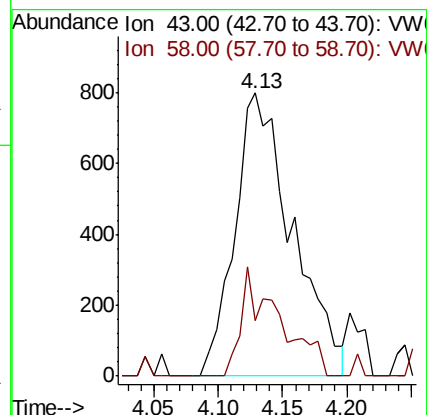
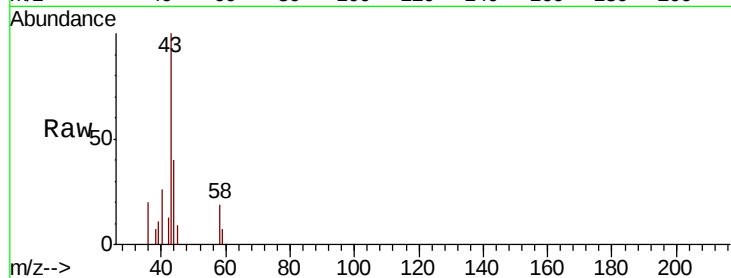




#16
Acetone
Concen: 3.627 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012332.D
Acq: 30 Aug 2019 04:58

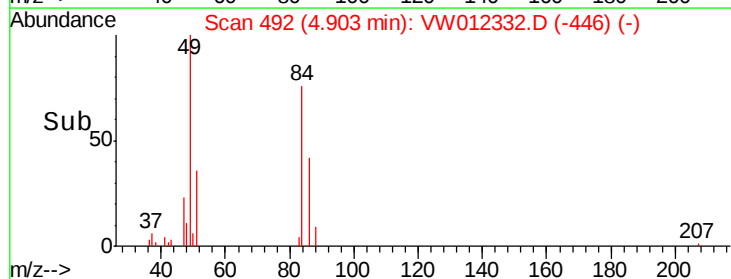
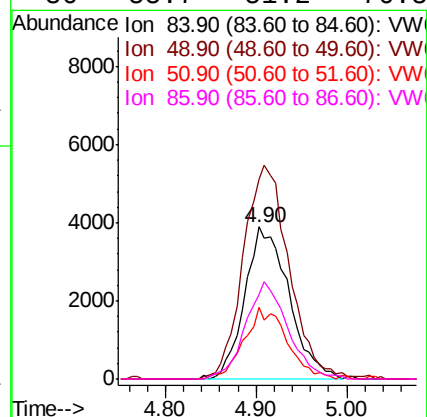
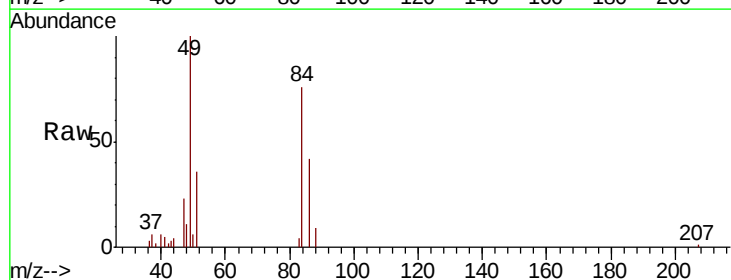
Instrument :
MSVOA_W
ClientSampleId :
SB-13-(0-2)

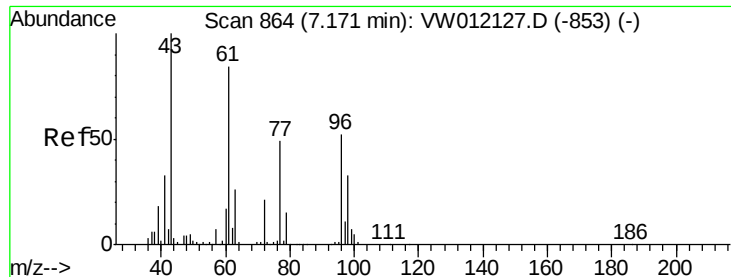
Tgt Ion: 43 Resp: 2473
Ion Ratio Lower Upper
43 100
58 19.4 22.4 33.6#



#20
Methylene Chloride
Concen: 5.093 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012332.D
Acq: 30 Aug 2019 04:58

Tgt Ion: 84 Resp: 13125
Ion Ratio Lower Upper
84 100
49 131.3 117.8 176.8
51 46.8 35.6 53.4
86 55.7 51.2 76.8

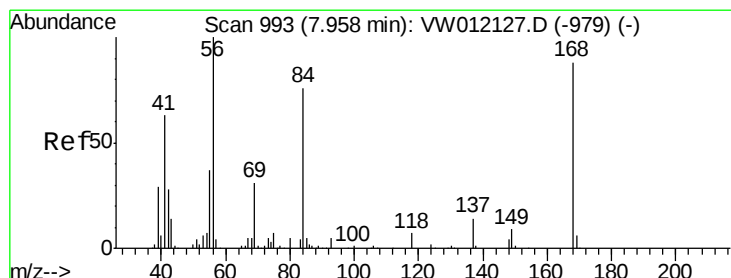
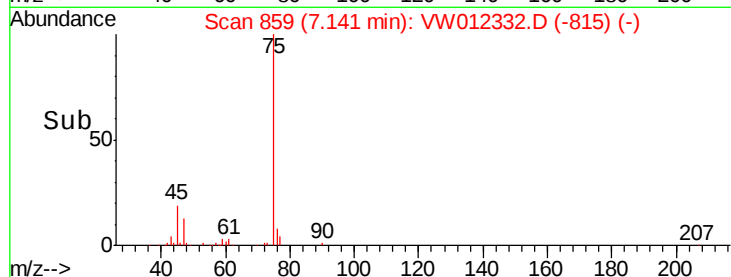
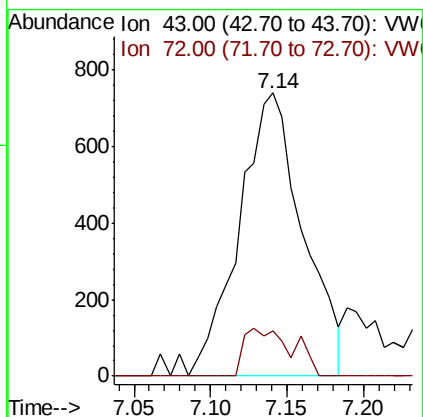
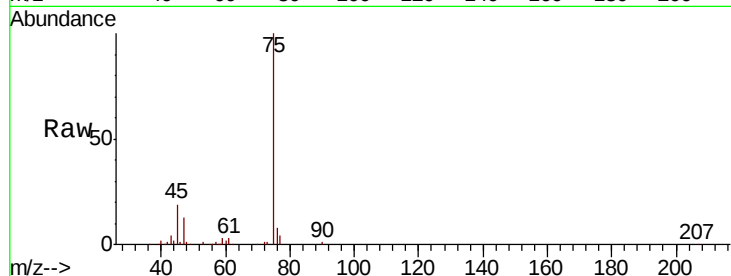




#25
2-Butanone
Concen: 2.322 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW012332.D
Acq: 30 Aug 2019 04:58

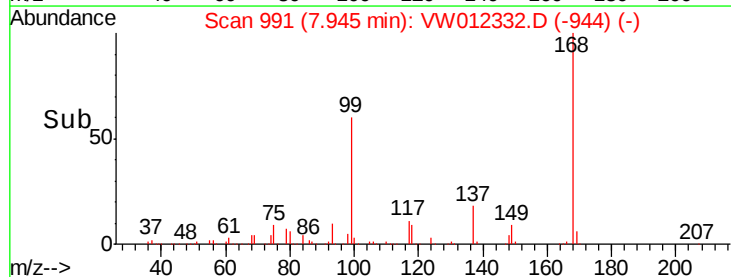
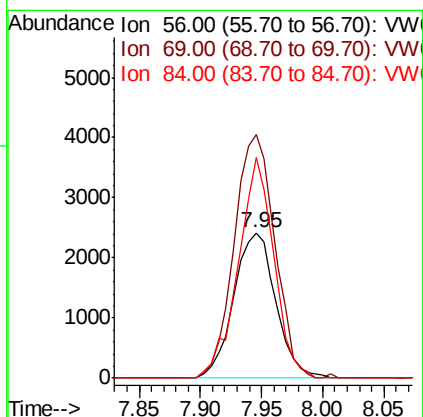
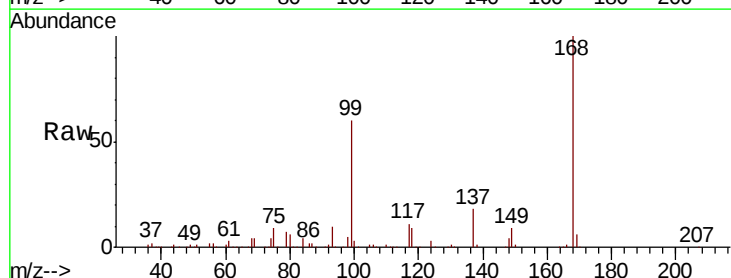
Instrument :
MSVOA_W
ClientSampleId :
SB-13-(0-2)

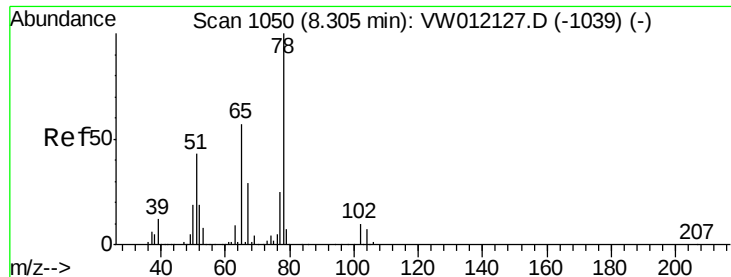
Tgt Ion: 43 Resp: 2151
Ion Ratio Lower Upper
43 100
72 15.8 16.6 24.8#



#31
Cyclohexane
Concen: 1.196 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012332.D
Acq: 30 Aug 2019 04:58

Tgt Ion: 56 Resp: 5744
Ion Ratio Lower Upper
56 100
69 167.5 24.9 37.3#
84 152.1 60.6 90.8#

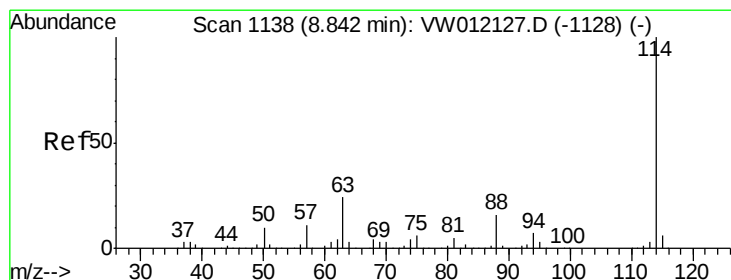
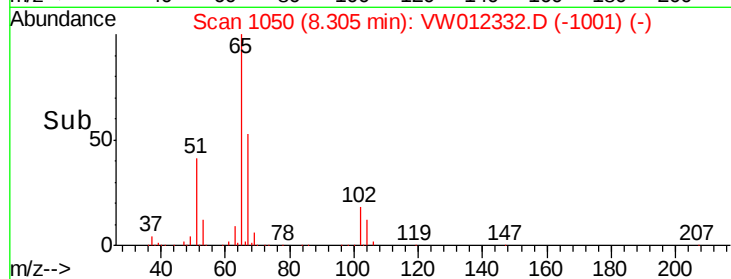
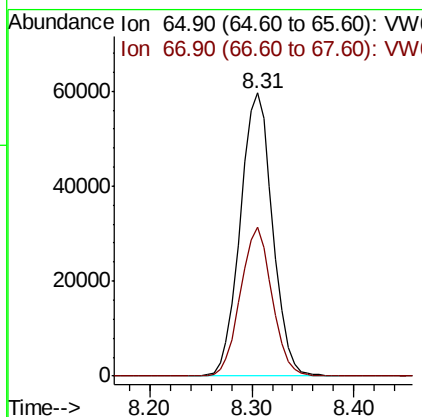
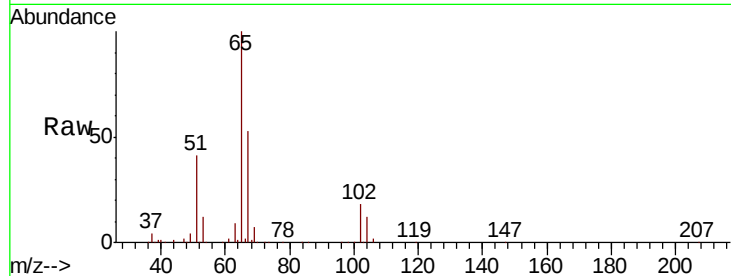




#33
 1,2-Dichloroethane-d4
 Concen: 49.138 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012332.D
 Acq: 30 Aug 2019 04:58

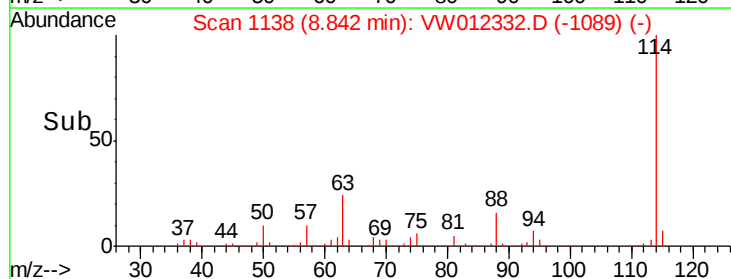
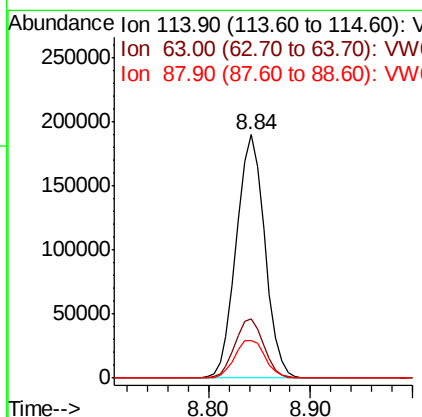
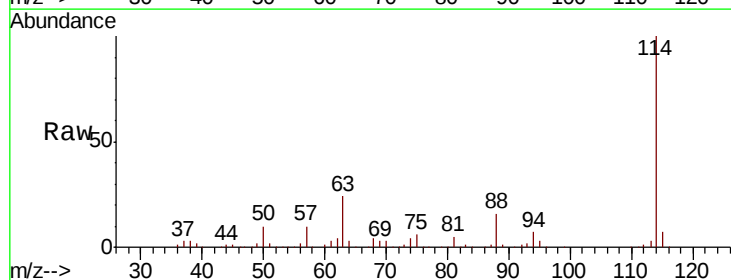
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-13-0-2

Tgt Ion: 65 Resp: 131053
 Ion Ratio Lower Upper
 65 100
 67 51.7 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: VW012332.D
 Acq: 30 Aug 2019 04:58

Tgt Ion: 114 Resp: 367675
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 48.6
 88 15.7 0.0 32.2

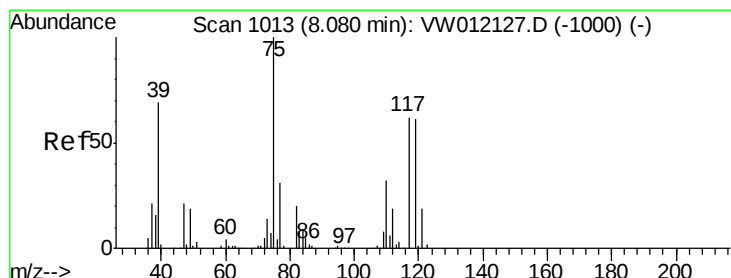
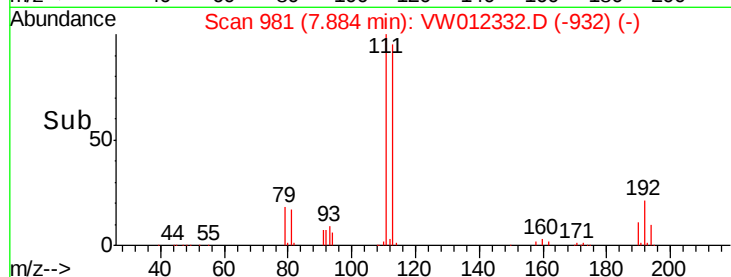
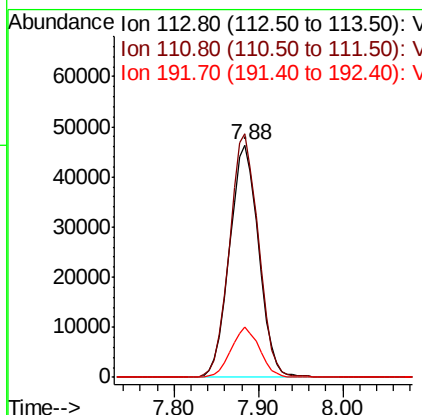
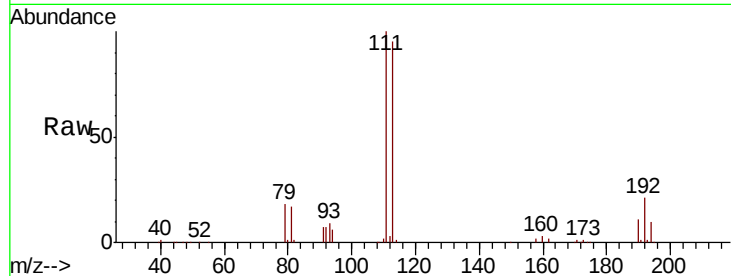




#35
 Dibromofluoromethane
 Concen: 49.420 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012332.D
 Acq: 30 Aug 2019 04:58

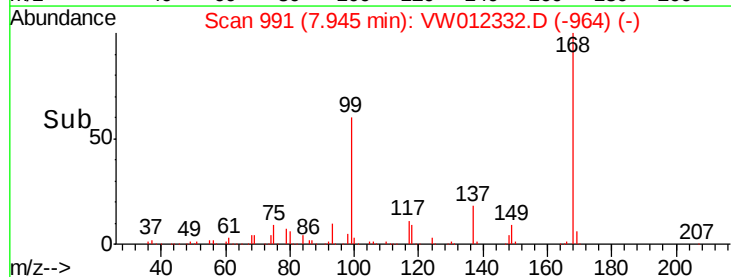
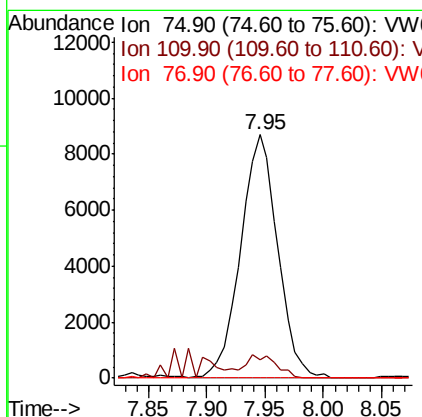
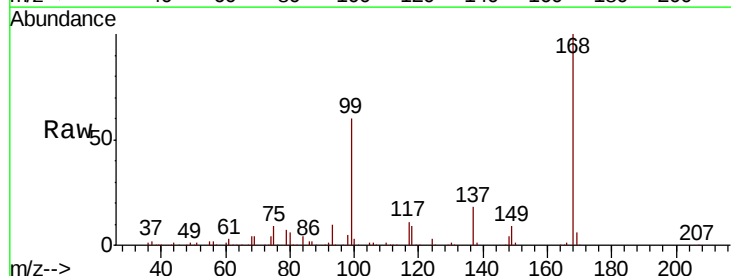
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-13-(0-2)

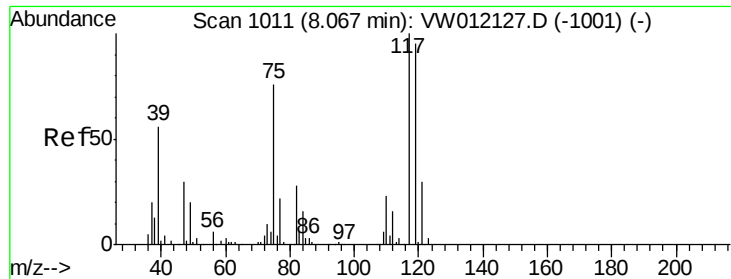
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.7	124.1
192	21.0	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.084 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012332.D
 Acq: 30 Aug 2019 04:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	15.6	46.8#
77	0.0	24.6	36.8#

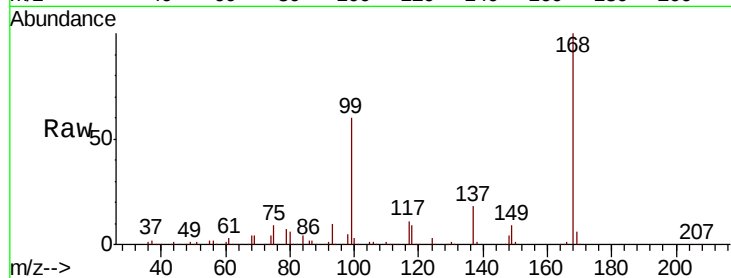




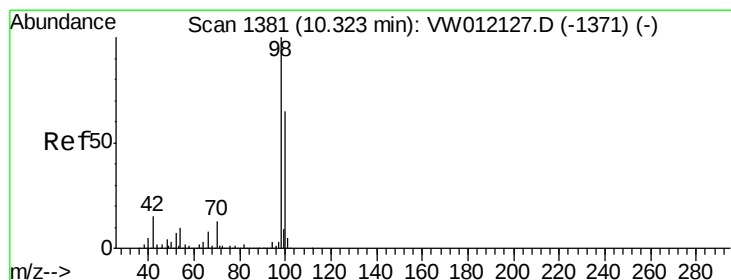
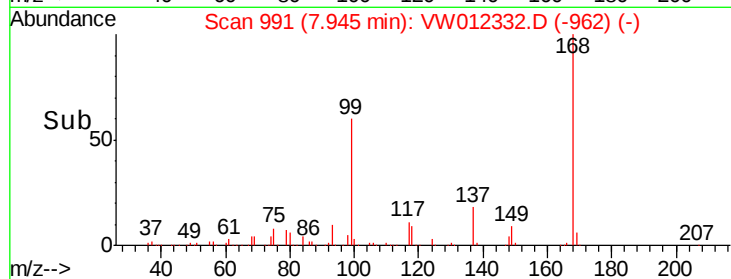
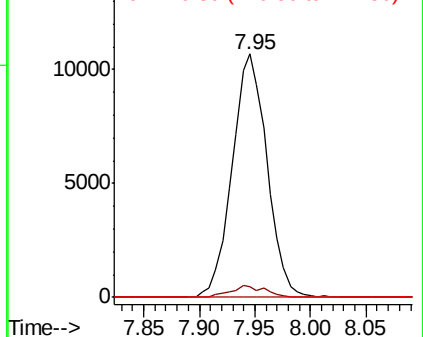
#38
Carbon Tetrachloride
Concen: 7.017 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012332.D
Acq: 30 Aug 2019 04:58

Instrument :
MSVOA_W
ClientSampled :
SB-13-(0-2)

Tgt Ion: 117 Resp: 23076
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 23.8 35.8#

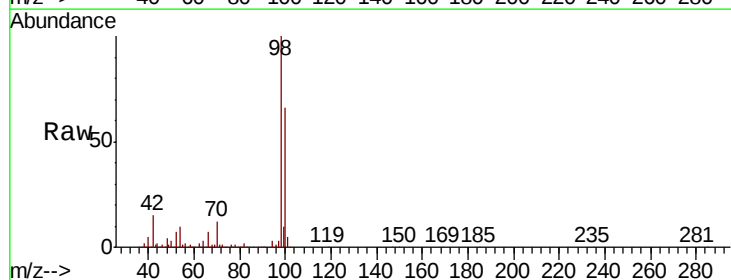


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

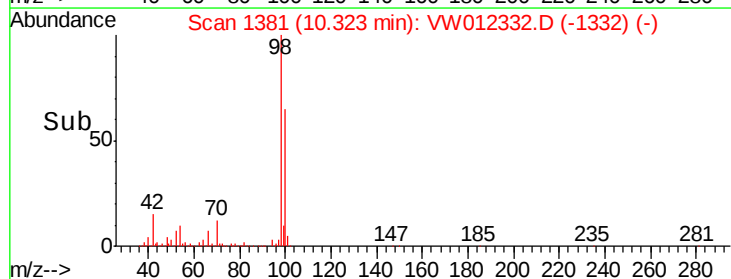
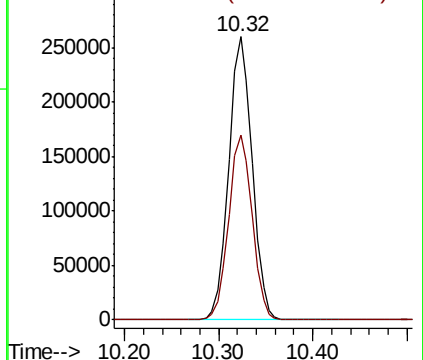


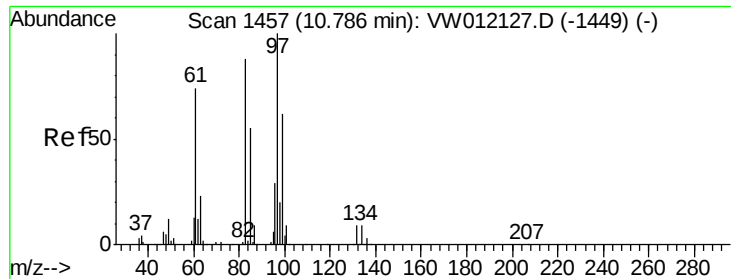
#50
Toluene-d8
Concen: 50.194 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012332.D
Acq: 30 Aug 2019 04:58

Tgt Ion: 98 Resp: 446661
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

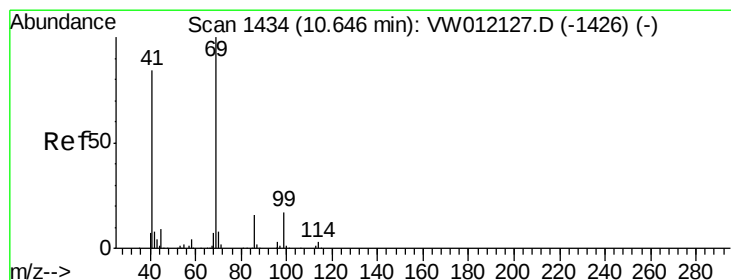
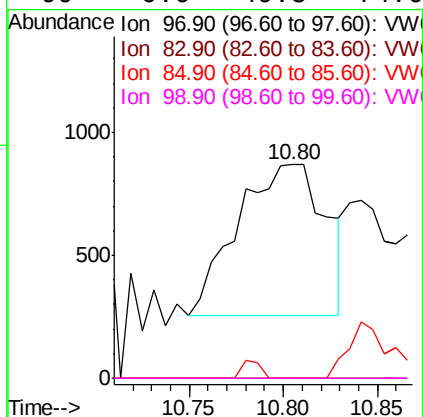
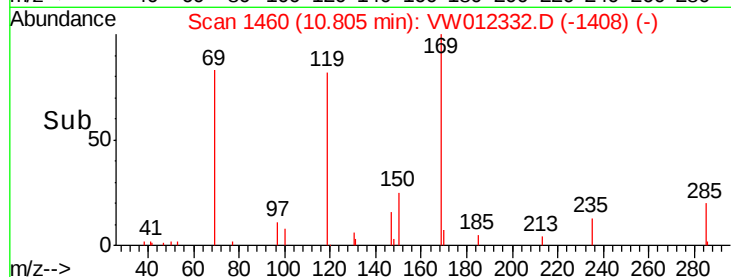
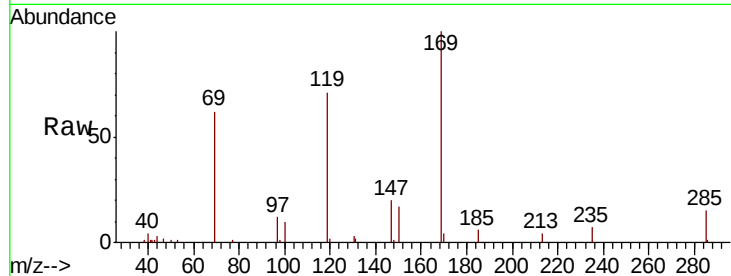




#55
 1,1,2-Trichloroethane
 Concen: 1.136 ug/l
 RT: 10.80 min Scan# 1460
 Delta R.T. 0.02 min
 Lab File: VW012332.D
 Acq: 30 Aug 2019 04:58

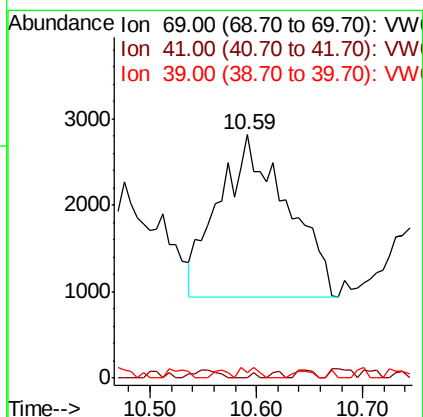
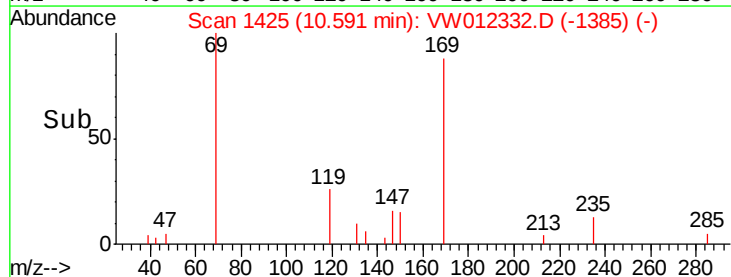
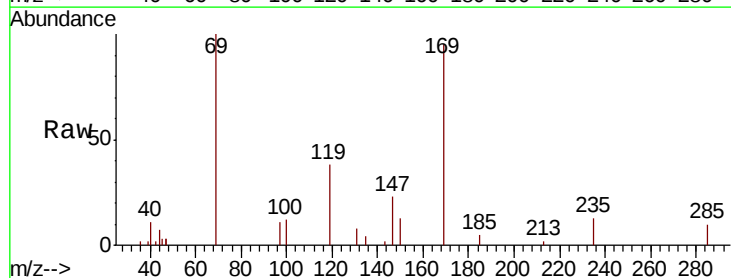
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-13-(0-2)

Tgt Ion: 97 Resp: 1996
 Ion Ratio Lower Upper
 97 100
 83 0.0 70.8 106.2#
 85 0.0 43.8 65.8#
 99 0.0 49.8 74.6#



#56
 Ethyl methacrylate
 Concen: 3.264 ug/l
 RT: 10.59 min Scan# 1425
 Delta R.T. -0.06 min
 Lab File: VW012332.D
 Acq: 30 Aug 2019 04:58

Tgt Ion: 69 Resp: 8349
 Ion Ratio Lower Upper
 69 100
 41 0.3 66.5 99.7#
 39 1.7 31.0 46.4#





#62

4-Bromofluorobenzene

Concen: 44.639 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012332.D

Acq: 30 Aug 2019 04:58

Instrument :

MSVOA_W

ClientSampleId :

SB-13-0-2

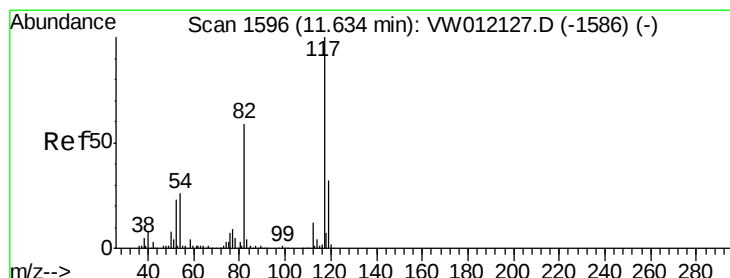
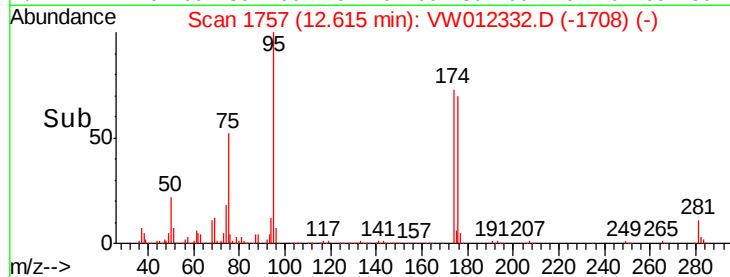
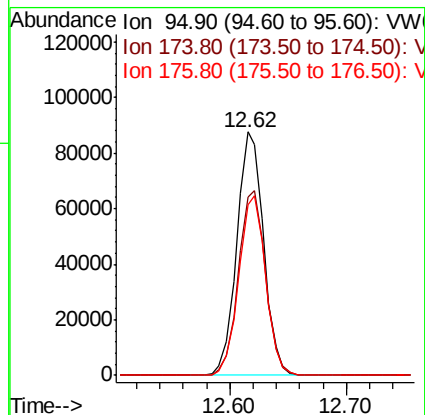
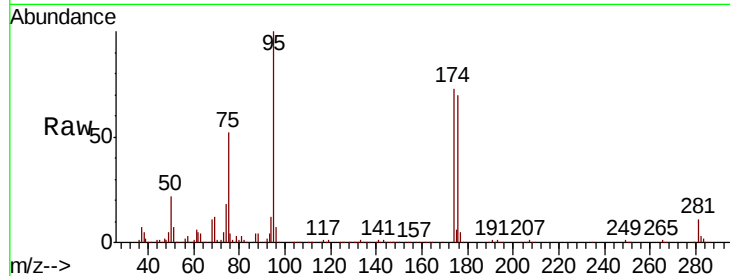
Tgt Ion: 95 Resp: 140022

Ion Ratio Lower Upper

95 100

174 77.0 0.0 150.8

176 73.8 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: VW012332.D

Acq: 30 Aug 2019 04:58

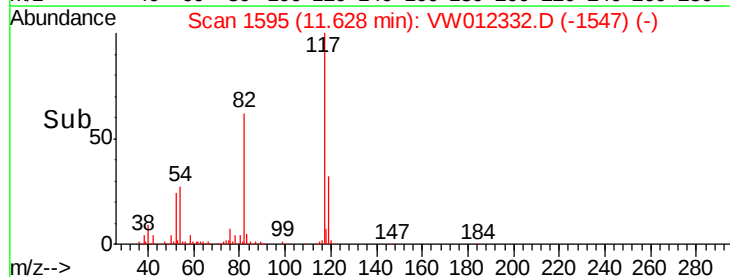
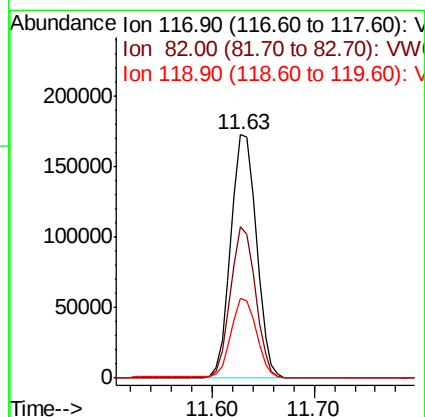
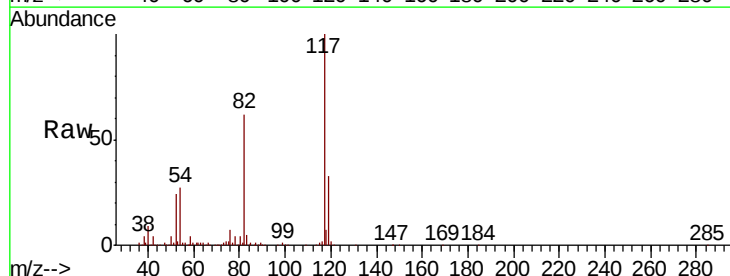
Tgt Ion: 117 Resp: 301469

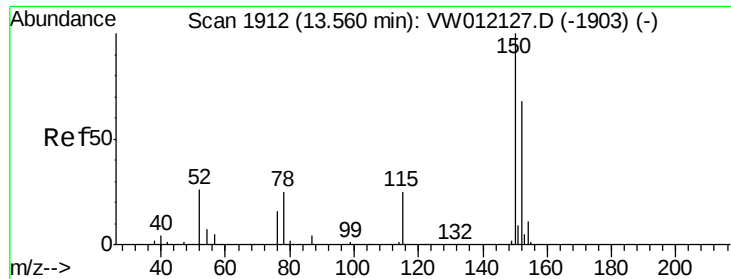
Ion Ratio Lower Upper

117 100

82 62.3 47.4 71.2

119 32.7 25.4 38.2



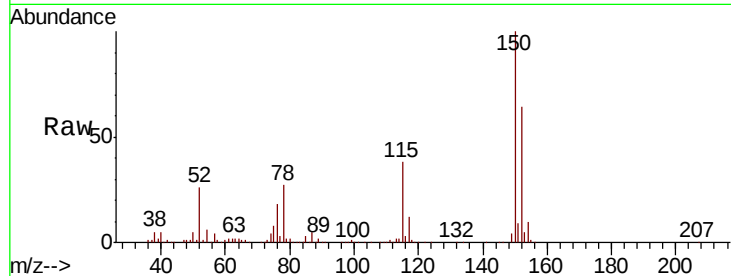


#72

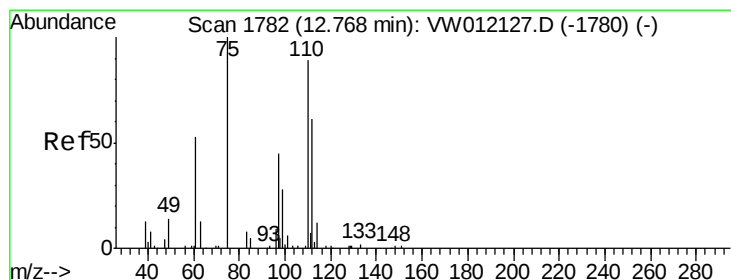
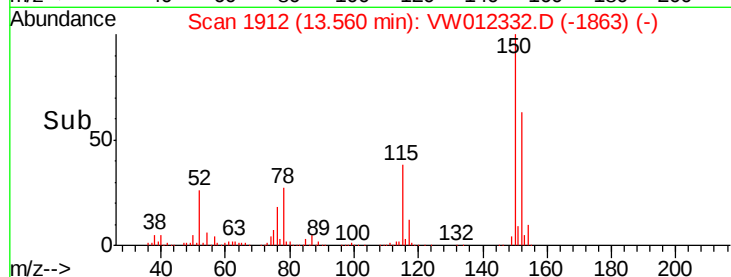
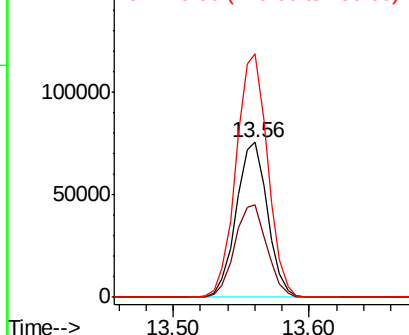
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012332.D
Acq: 30 Aug 2019 04:58

Instrument :
MSVOA_W
ClientSampleId :
SB-13-(0-2)

Tgt Ion:152 Resp: 121168
Ion Ratio Lower Upper
152 100
115 61.1 30.1 90.3
150 158.0 0.0 345.8



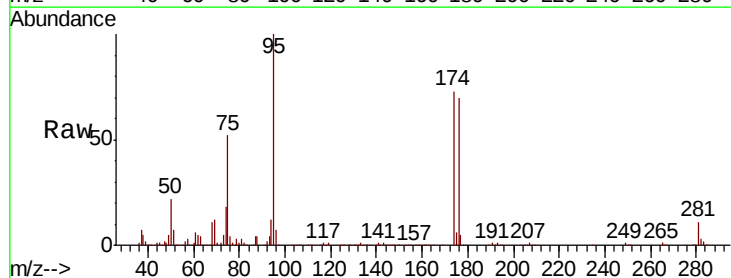
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



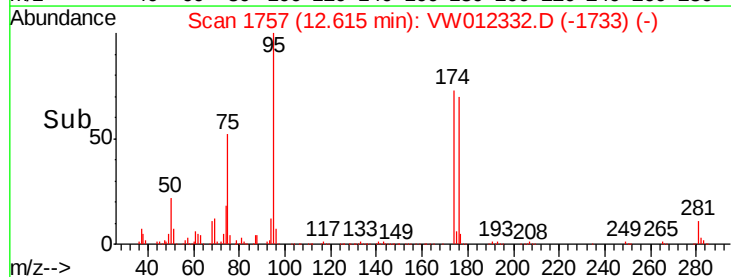
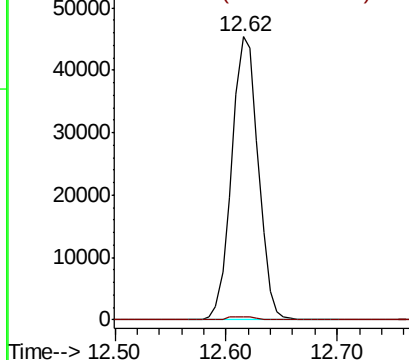
#76

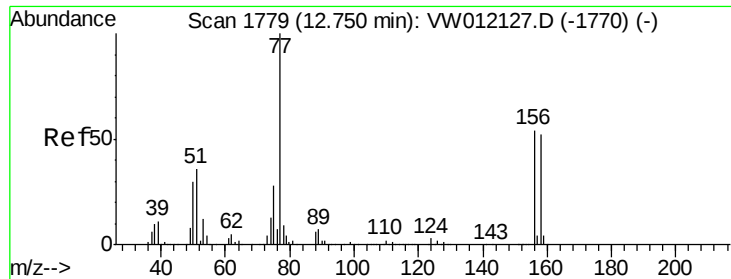
1,2,3-Trichloropropane
Concen: 63.443 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012332.D
Acq: 30 Aug 2019 04:58

Tgt Ion: 75 Resp: 74868
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 2.663 ug/l

RT: 12.86 min Scan# 1797

Delta R.T. 0.11 min

Lab File: VW012332.D

Acq: 30 Aug 2019 04:58

Instrument :

MSVOA_W

ClientSampled :

SB-13-(0-2)

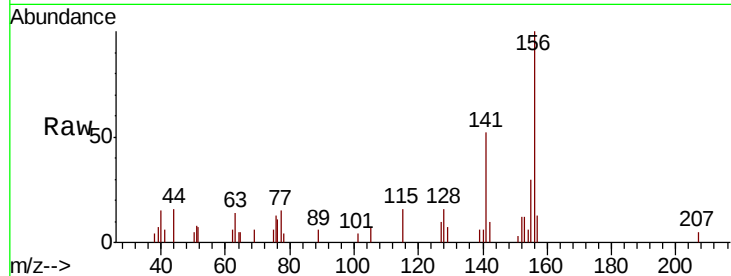
Tgt Ion:156 Resp: 5230

Ion Ratio Lower Upper

156 100

77 3.8 107.3 321.8#

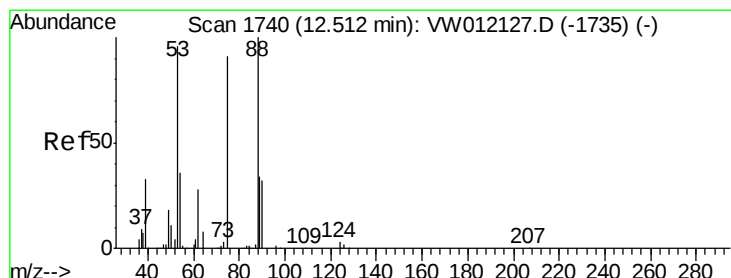
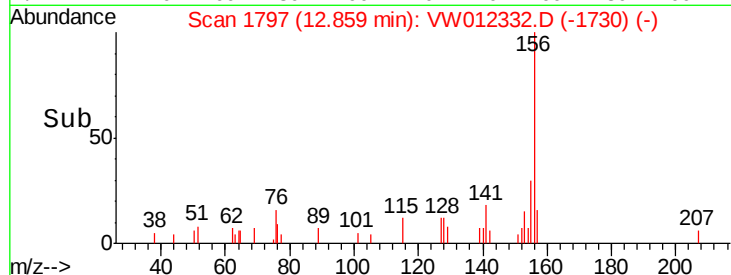
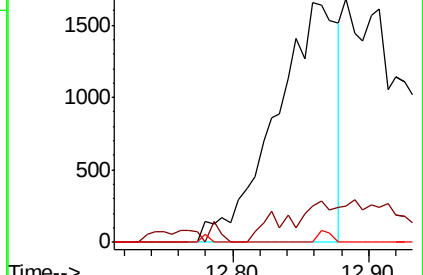
158 1.1 49.0 147.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 139.100 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012332.D

Acq: 30 Aug 2019 04:58

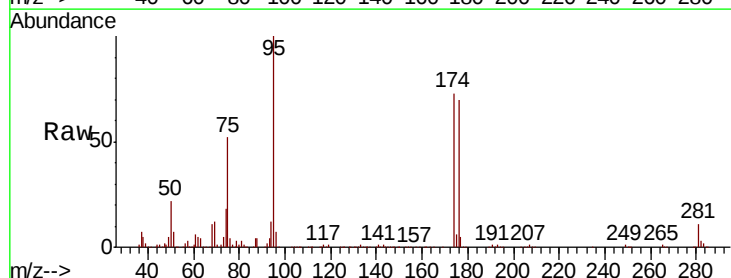
Tgt Ion: 75 Resp: 74868

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

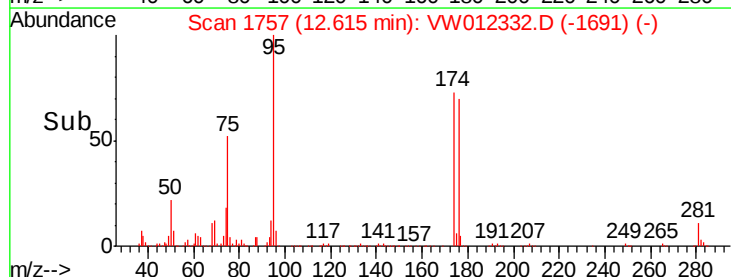
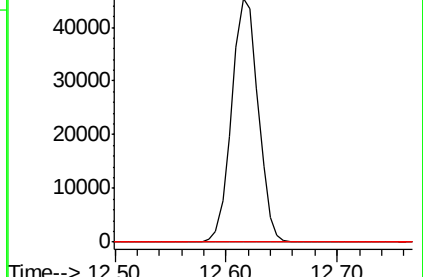
89 0.1 34.5 51.7#

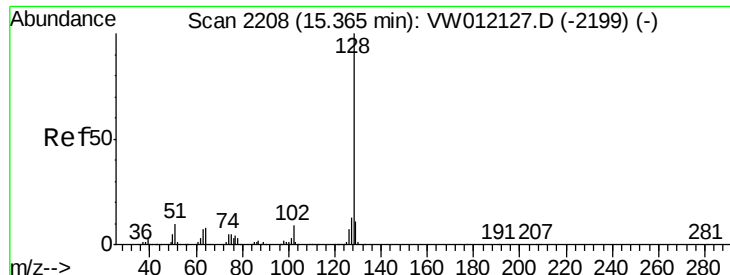


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 4.435 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012332.D

Acq: 30 Aug 2019 04:58

Instrument :

MSVOA_W

ClientSampleId :

SB-13-(0-2)

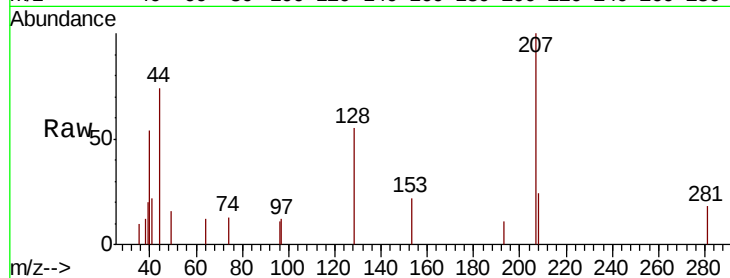
Tgt Ion:128 Resp: 569

Ion Ratio Lower Upper

128 100

127 4.0 10.7 16.1#

129 3.3 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

