

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012503.D
 Acq On : 02 Sep 2019 17:02
 Operator : SY/VA
 Sample : K4529-01RE
 Misc : 4.79G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-T2-(0)

Quant Time: Sep 03 07:40:33 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	214252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	349753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	260286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	82841	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	132991	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
35) Dibromofluoromethane	7.88	113	103906	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
50) Toluene-d8	10.32	98	405415	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
62) 4-Bromofluorobenzene	12.62	95	130324	43.68	ug/l	0.00
Spiked Amount			Recovery	=	87.36%	

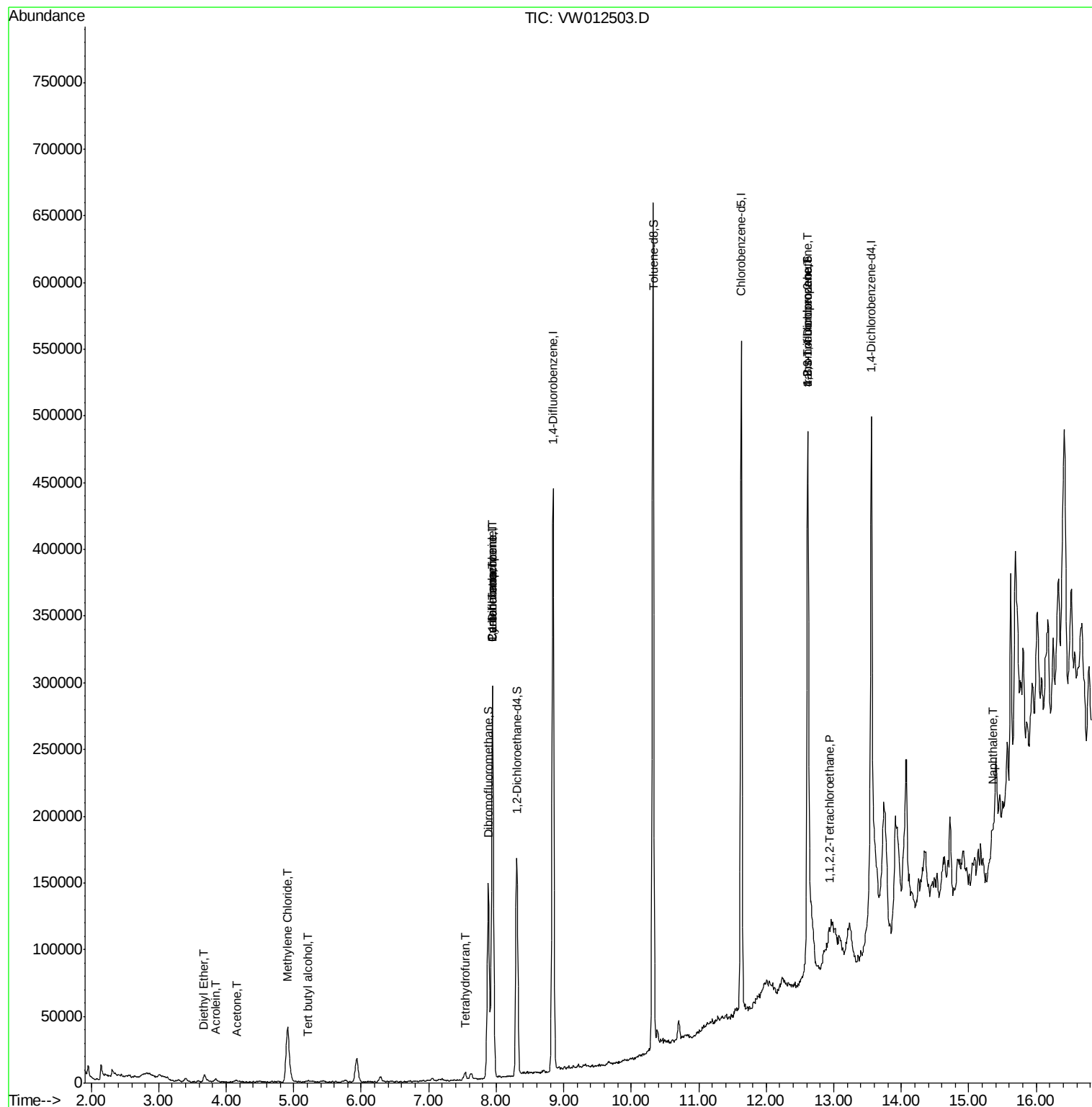
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	2653	2.225	ug/l	86
11) Tert butyl alcohol	5.21	59	1209	7.888	ug/l	96
13) Acrolein	3.84	56	146	1.012	ug/l #	1
16) Acetone	4.15	43	2954	4.537	ug/l	89
20) Methylene Chloride	4.91	84	31132	12.649	ug/l	97
29) Tetrahydrofuran	7.54	42	5139	9.682	ug/l #	88
31) Cyclohexane	7.95	56	5164	1.126	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17806	4.927	ug/l #	54
38) Carbon Tetrachloride	7.95	117	20891	6.678	ug/l #	16
75) 1,1,2,2-Tetrachloroethane	12.93	83	1152	1.012	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	60407	74.871	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60407	164.158	ug/l #	6
95) Naphthalene	15.35	128	849	4.569	ug/l #	19

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

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Quant Time: Sep 03 07:40:33 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: VW012503.D

Acq: 02 Sep 2019 17:02

Instrument :

MSVOA_W

ClientSampleId :

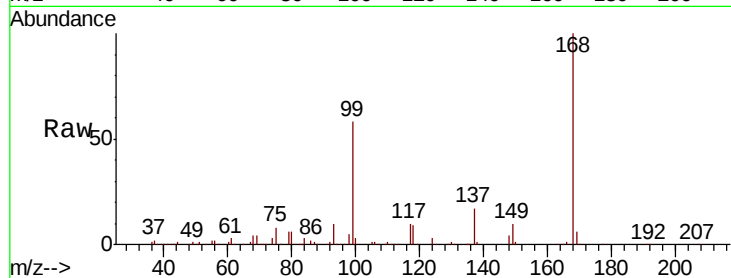
T9-12-13-T2-(0)

Tgt Ion:168 Resp: 214252

Ion Ratio Lower Upper

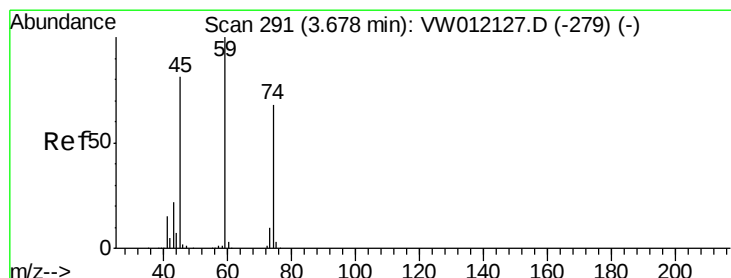
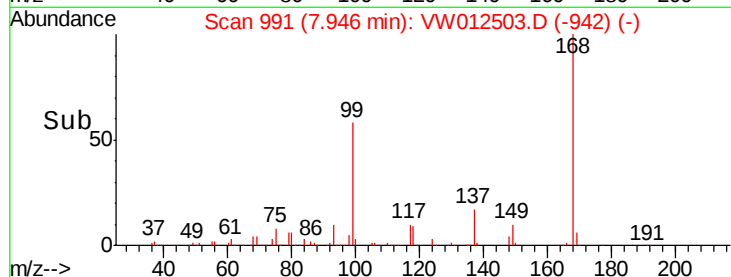
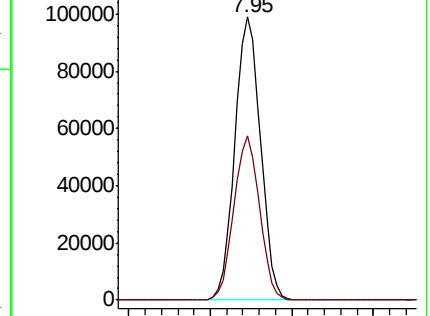
168 100

99 58.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.225 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW012503.D

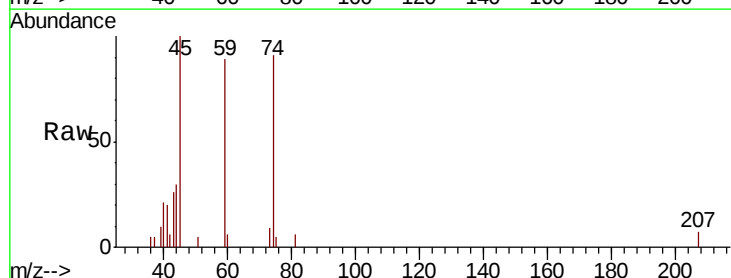
Acq: 02 Sep 2019 17:02

Tgt Ion: 74 Resp: 2653

Ion Ratio Lower Upper

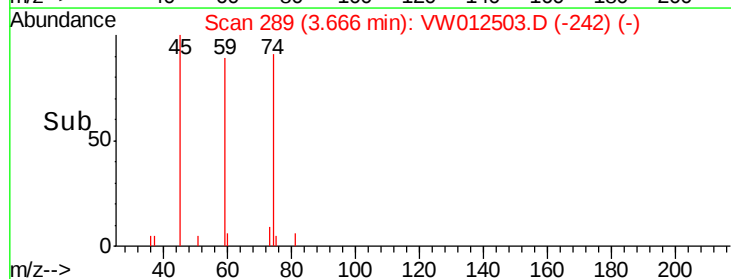
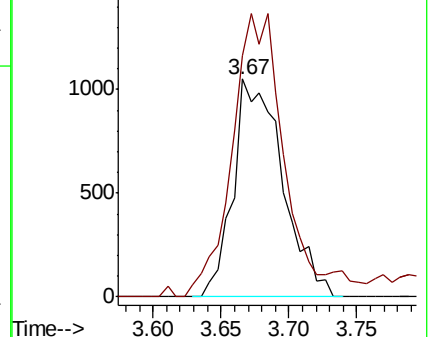
74 100

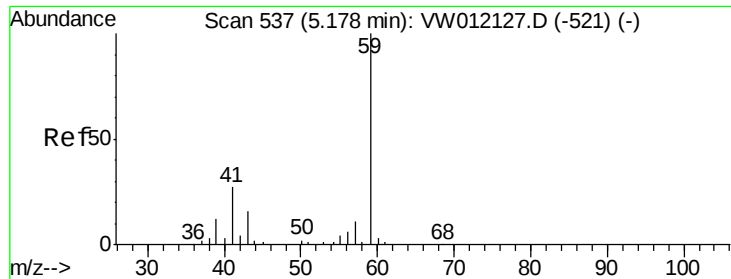
45 134.3 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

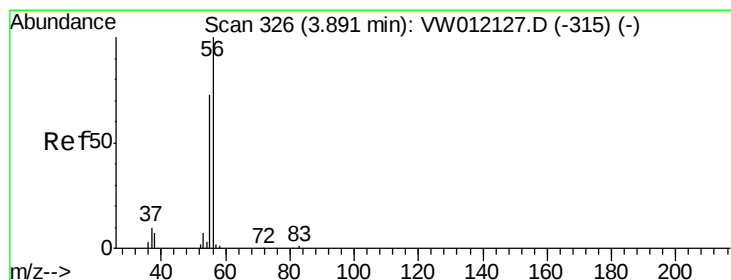
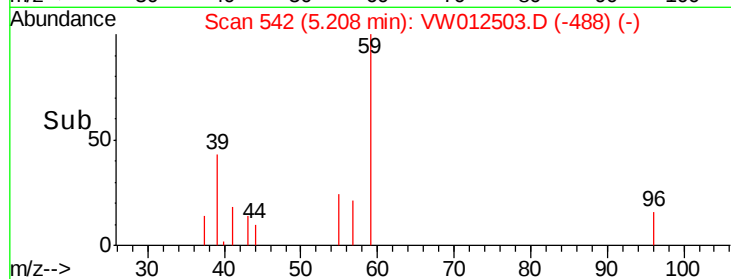
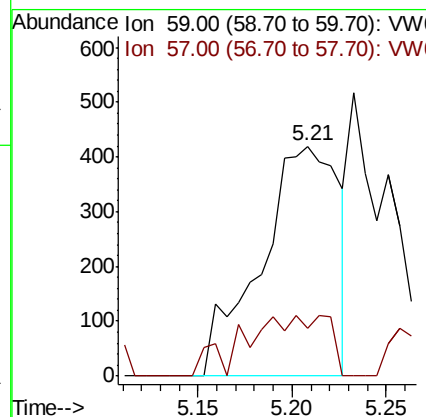
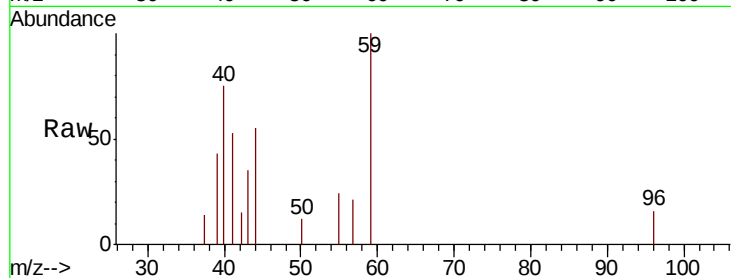




#11
Tert butyl alcohol
Concen: 7.888 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.03 min
Lab File: VW012503.D
Acq: 02 Sep 2019 17:02

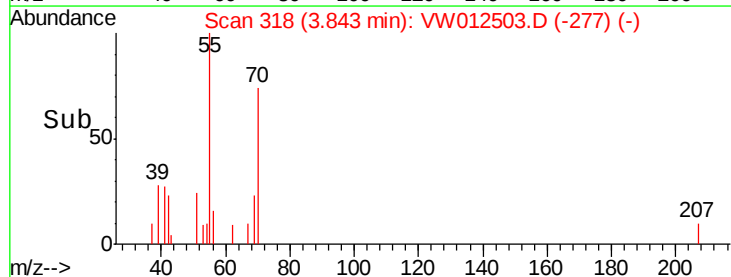
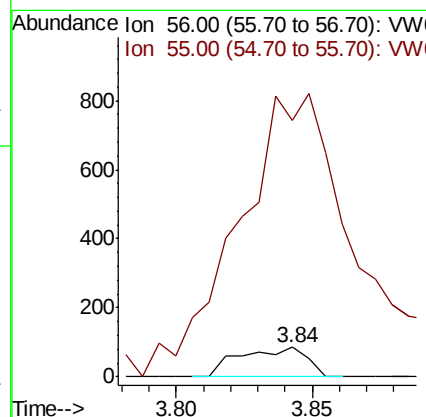
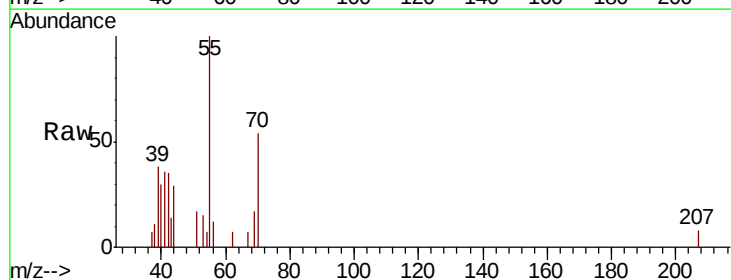
Instrument :
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ClientSampleId :
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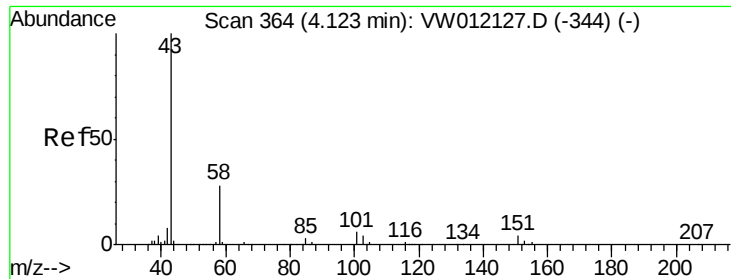
Tgt Ion: 59 Resp: 1209
Ion Ratio Lower Upper
59 100
57 12.7 9.0 13.4



#13
Acrolein
Concen: 1.012 ug/l
RT: 3.84 min Scan# 318
Delta R.T. -0.05 min
Lab File: VW012503.D
Acq: 02 Sep 2019 17:02

Tgt Ion: 56 Resp: 146
Ion Ratio Lower Upper
56 100
55 1689.0 55.8 83.8#

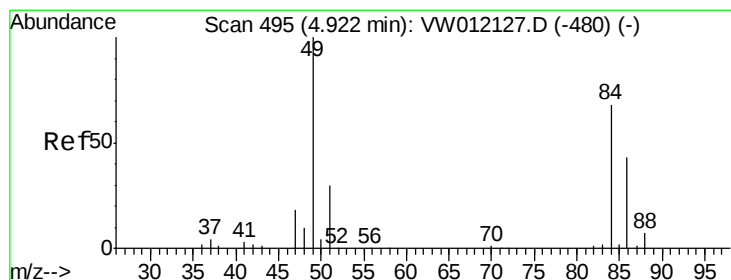
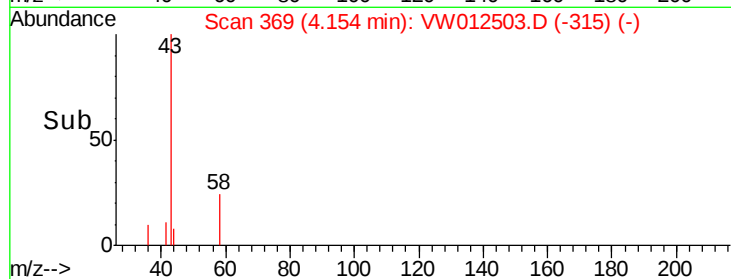
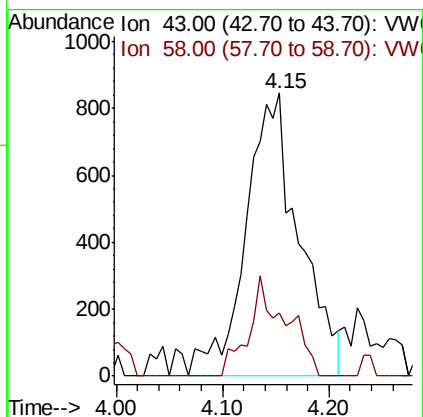
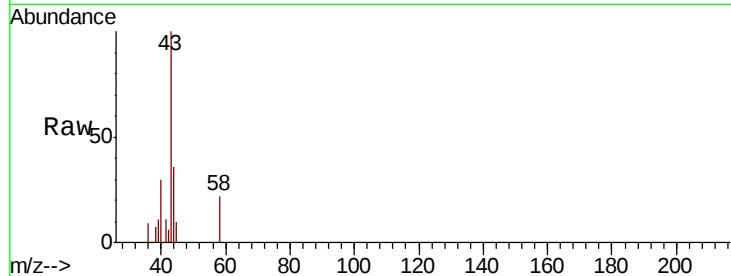




#16
Acetone
Concen: 4.537 ug/l
RT: 4.15 min Scan# 369
Delta R.T. 0.03 min
Lab File: VW012503.D
Acq: 02 Sep 2019 17:02

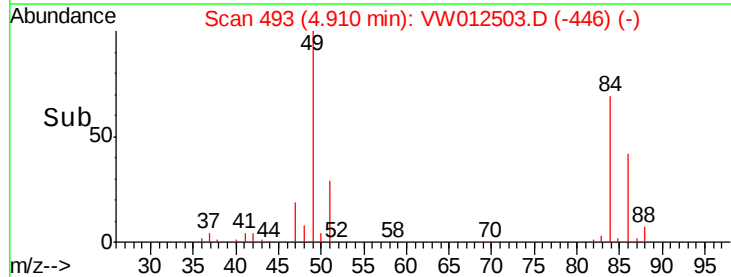
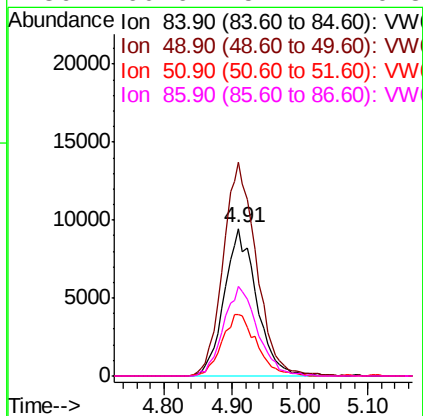
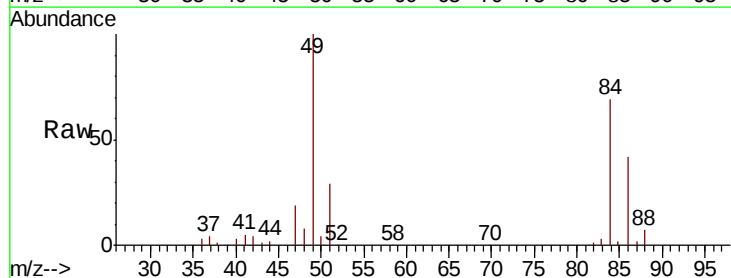
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-T2-(0)

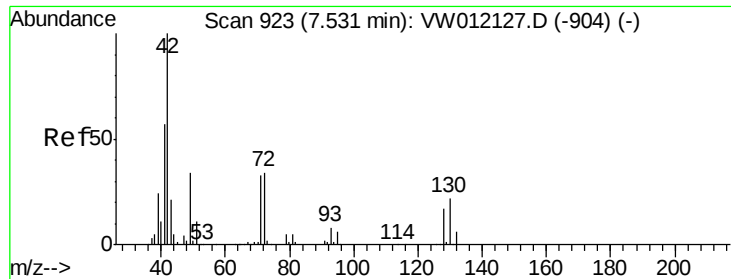
Tgt Ion: 43 Resp: 2954
Ion Ratio Lower Upper
43 100
58 22.5 22.4 33.6



#20
Methylene Chloride
Concen: 12.649 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012503.D
Acq: 02 Sep 2019 17:02

Tgt Ion: 84 Resp: 31132
Ion Ratio Lower Upper
84 100
49 145.0 117.8 176.8
51 41.7 35.6 53.4
86 60.6 51.2 76.8

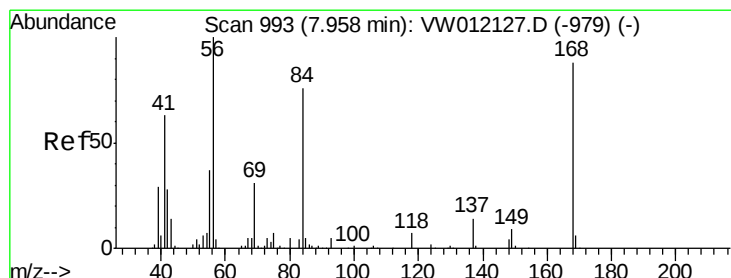
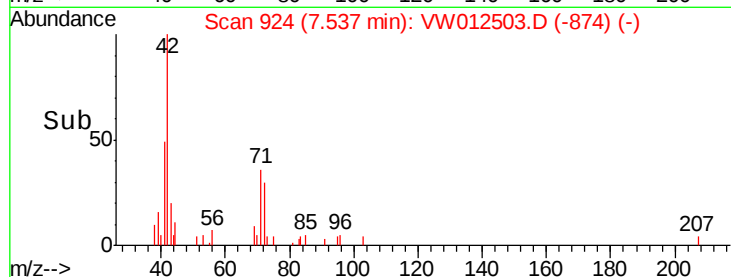
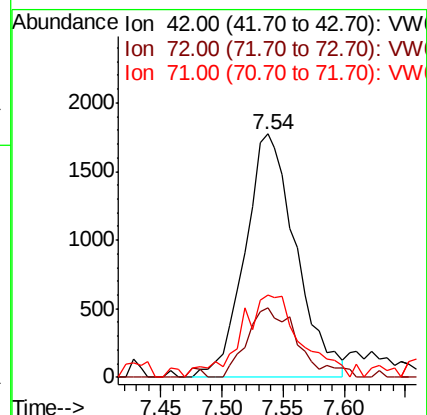
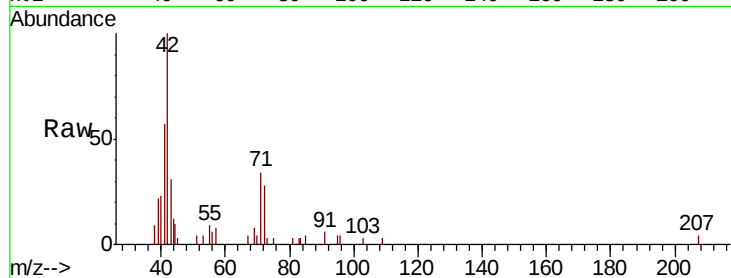




#29
Tetrahydrofuran
Concen: 9.682 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012503.D
Acq: 02 Sep 2019 17:02

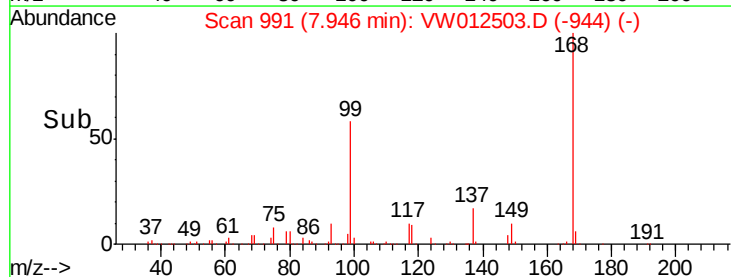
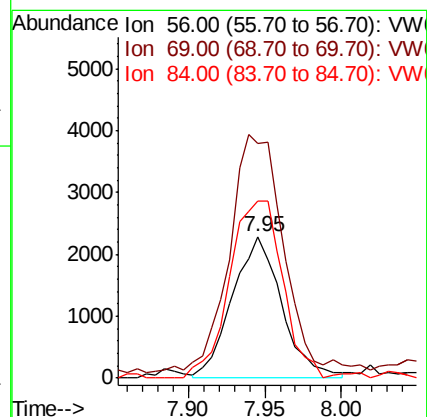
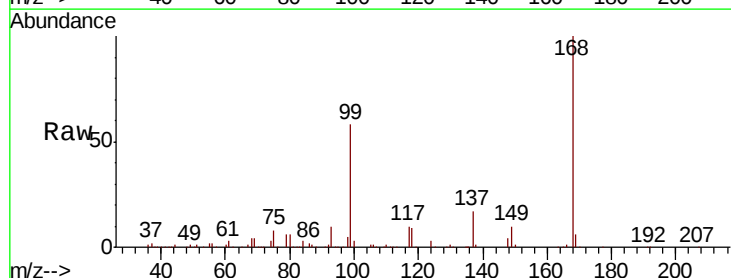
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-T2-(0)

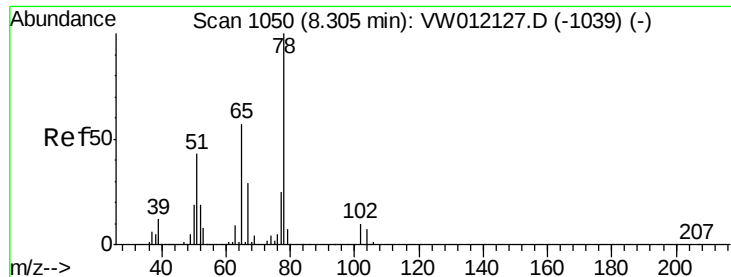
Tgt Ion: 42 Resp: 5139
Ion Ratio Lower Upper
42 100
72 28.4 27.3 40.9
71 39.4 25.5 38.3#



#31
Cyclohexane
Concen: 1.126 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012503.D
Acq: 02 Sep 2019 17:02

Tgt Ion: 56 Resp: 5164
Ion Ratio Lower Upper
56 100
69 160.4 24.9 37.3#
84 125.0 60.6 90.8#

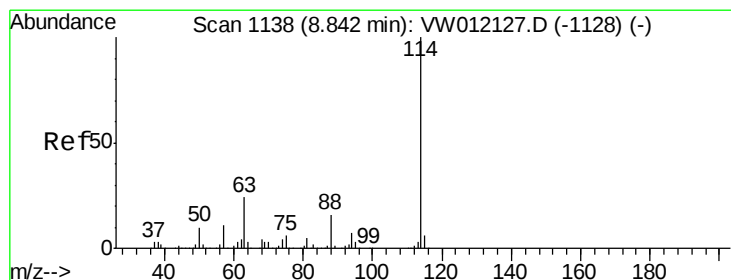
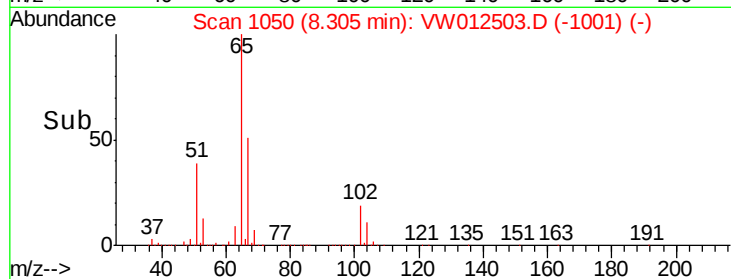
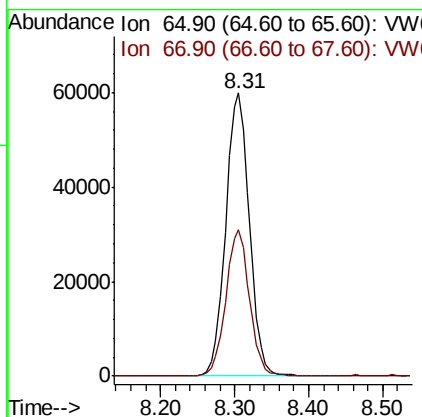
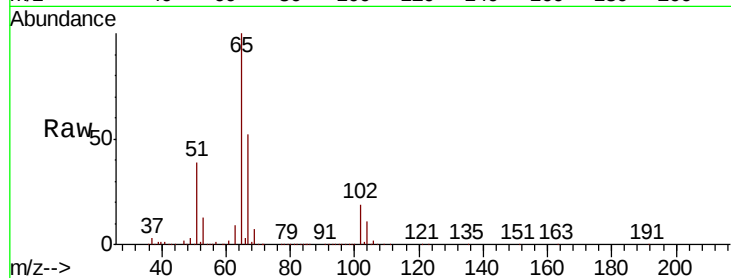




#33
 1,2-Dichloroethane-d4
 Concen: 52.216 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012503.D
 Acq: 02 Sep 2019 17:02

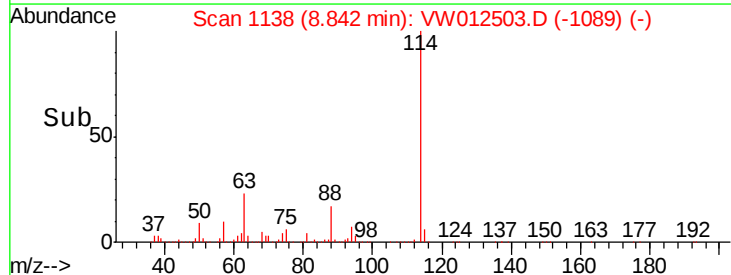
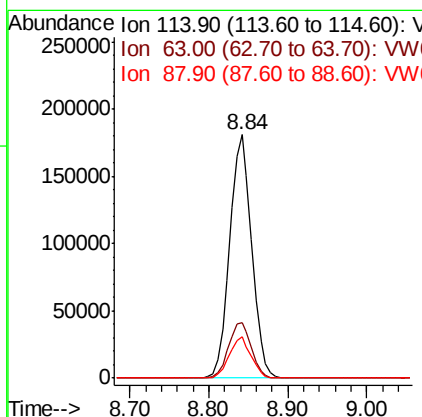
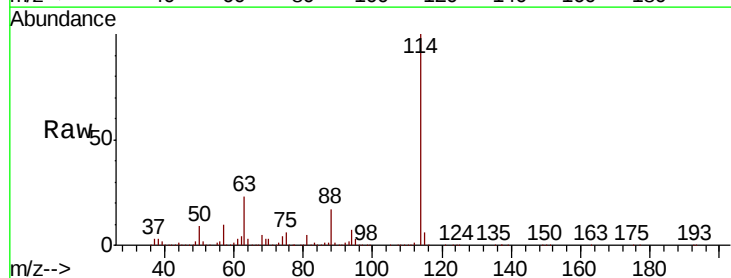
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 T9-12-13-T2-(0)

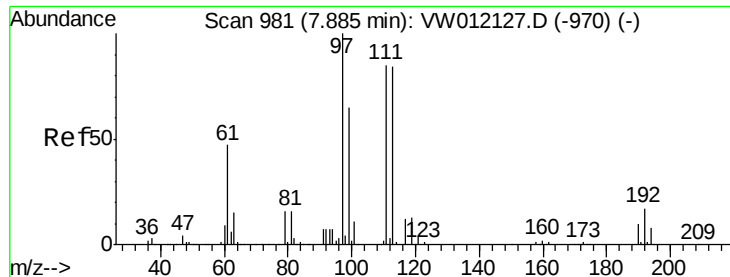
Tgt Ion: 65 Resp: 132991
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012503.D
 Acq: 02 Sep 2019 17:02

Tgt Ion: 114 Resp: 349753
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 48.6
 88 16.8 0.0 32.2

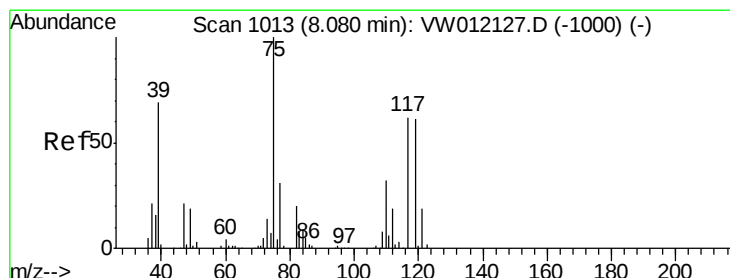
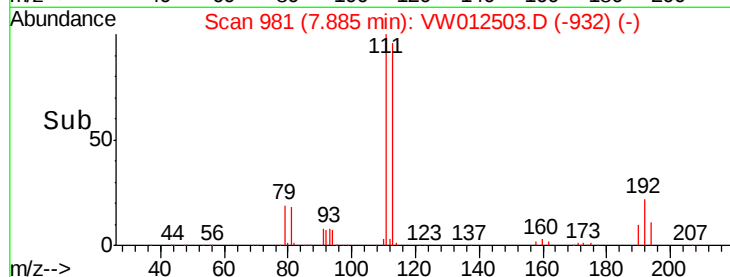
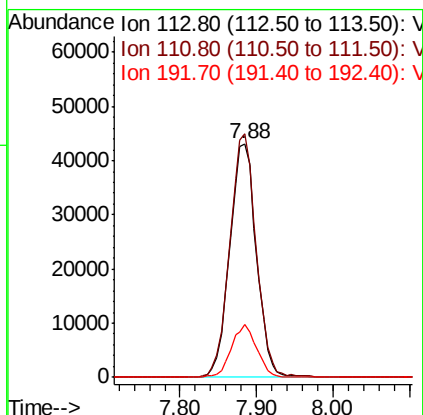
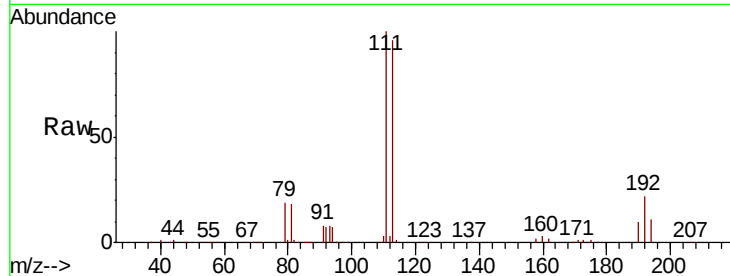




#35
 Dibromofluoromethane
 Concen: 49.771 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012503.D
 Acq: 02 Sep 2019 17:02

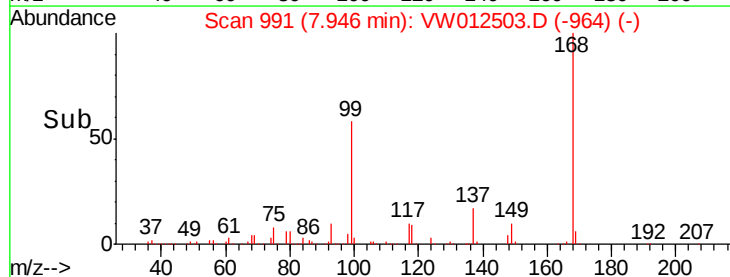
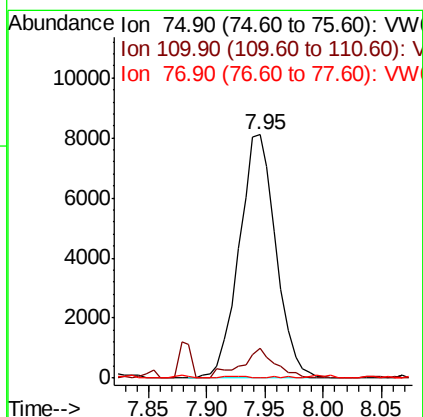
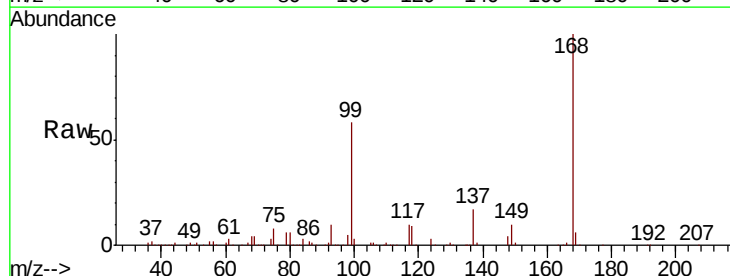
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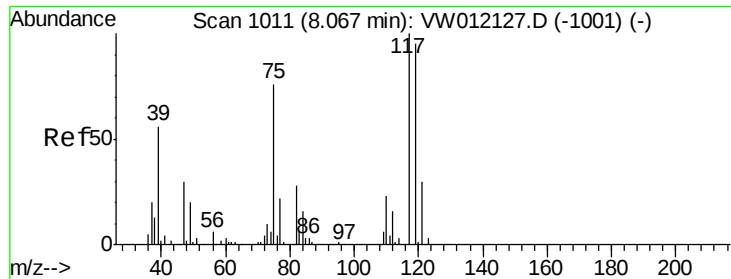
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.7	124.1
192	21.3	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.927 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012503.D
 Acq: 02 Sep 2019 17:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.5	15.6	46.8#
77	0.1	24.6	36.8#

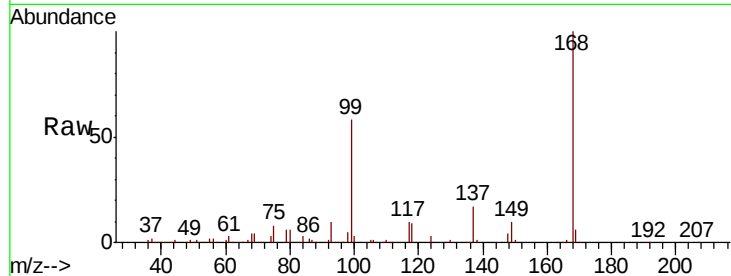




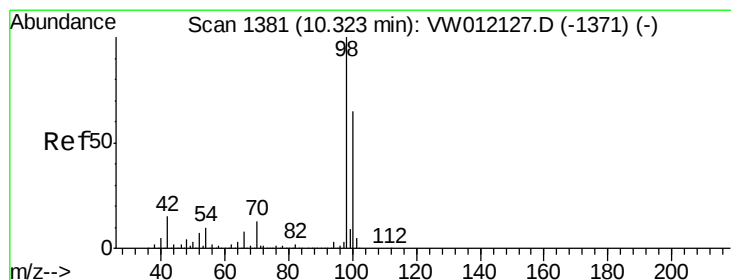
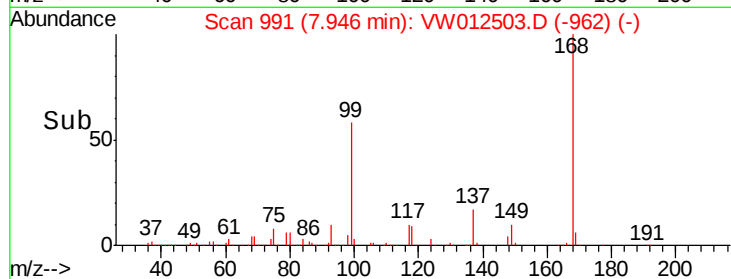
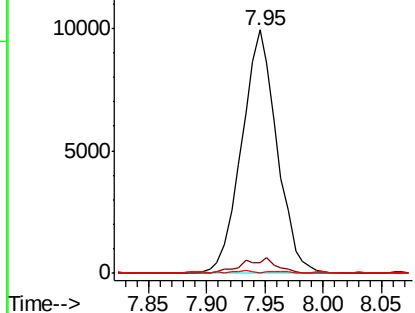
#38
Carbon Tetrachloride
Concen: 6.678 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012503.D
Acq: 02 Sep 2019 17:02

Instrument :
MSVOA_W
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T9-12-13-T2-(0)

Tgt Ion: 117 Resp: 20891
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 23.8 35.8#

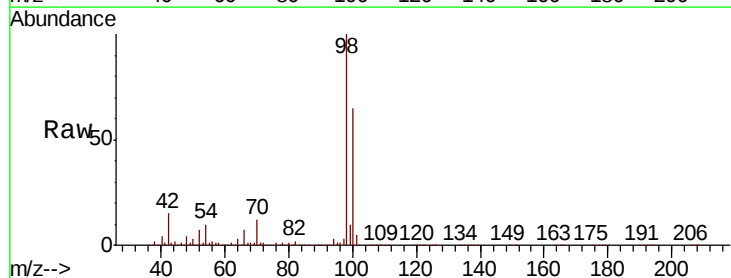


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

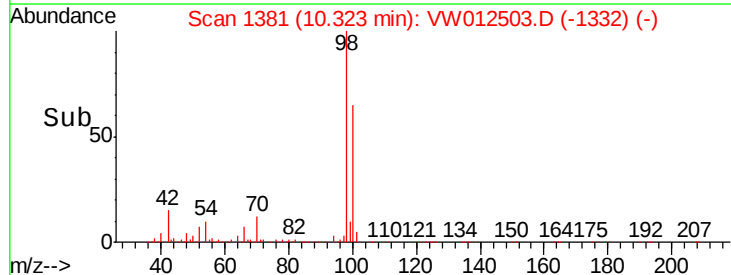
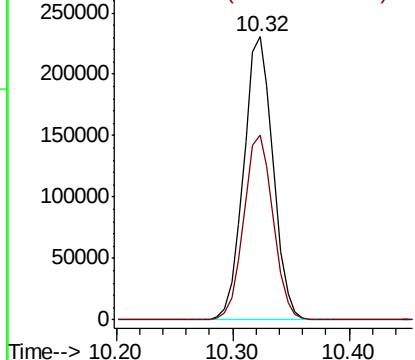


#50
Toluene-d8
Concen: 47.893 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012503.D
Acq: 02 Sep 2019 17:02

Tgt Ion: 98 Resp: 405415
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

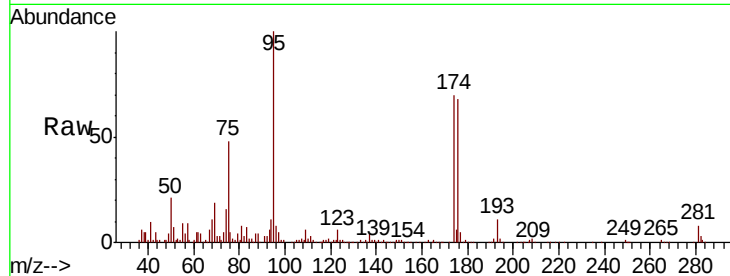




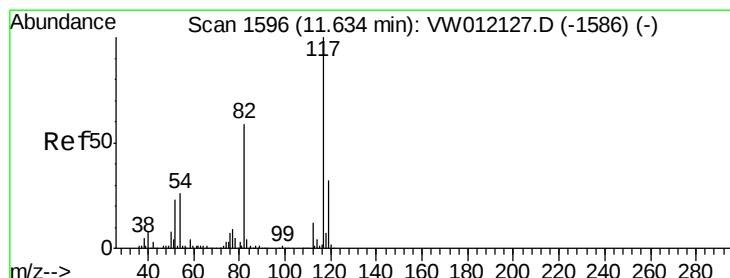
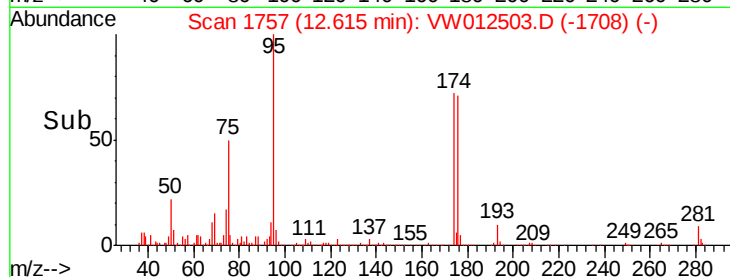
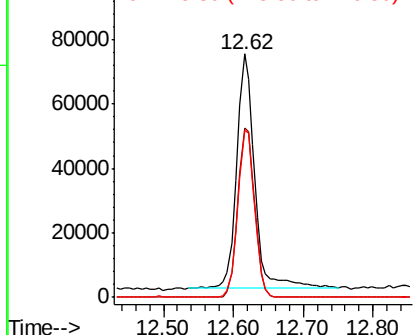
#62
4-Bromofluorobenzene
Concen: 43.676 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012503.D
Acq: 02 Sep 2019 17:02

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-T2-(0)

Tgt Ion: 95 Resp: 130324
Ion Ratio Lower Upper
95 100
174 67.3 0.0 150.8
176 66.0 0.0 148.6

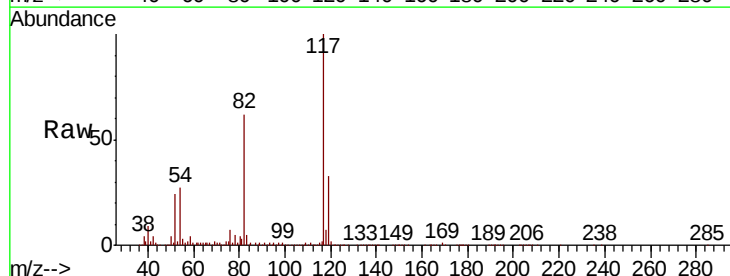


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

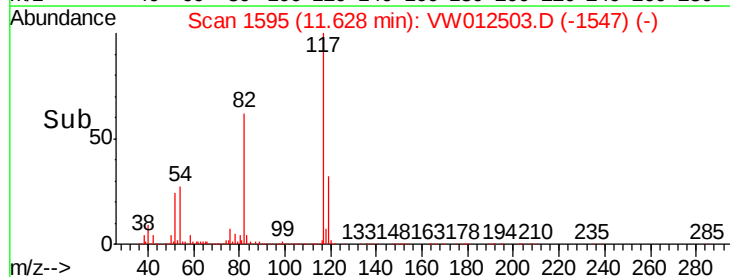
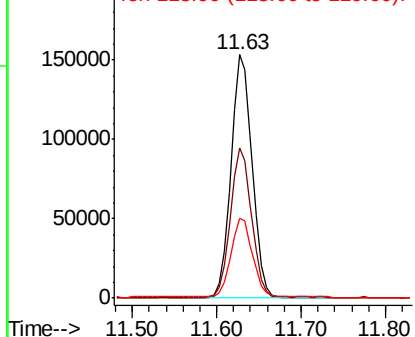


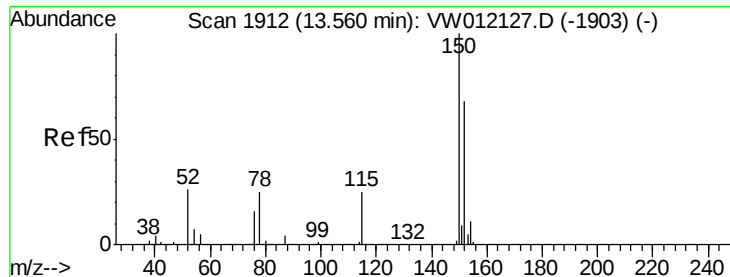
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012503.D
Acq: 02 Sep 2019 17:02

Tgt Ion: 117 Resp: 260286
Ion Ratio Lower Upper
117 100
82 61.6 47.4 71.2
119 32.4 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012503.D

Acq: 02 Sep 2019 17:02

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-T2-(0)

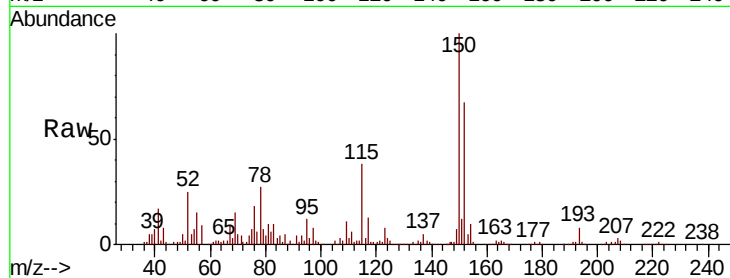
Tgt Ion:152 Resp: 82841

Ion Ratio Lower Upper

152 100

115 57.2 30.1 90.3

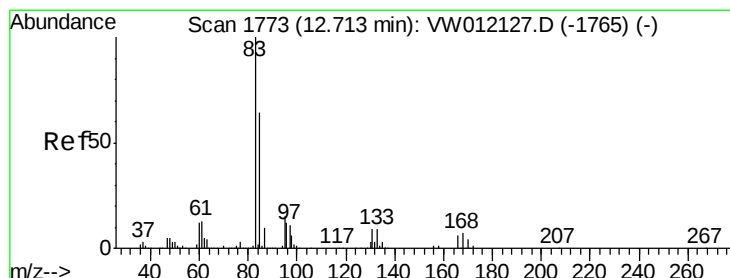
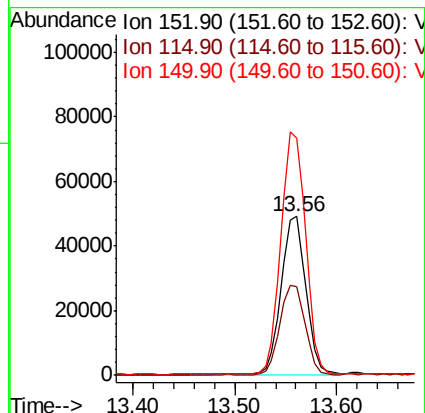
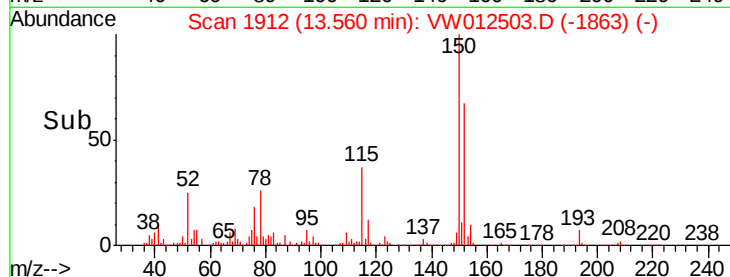
150 150.9 0.0 345.8



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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.012 ug/l

RT: 12.93 min Scan# 1808

Delta R.T. 0.21 min

Lab File: VW012503.D

Acq: 02 Sep 2019 17:02

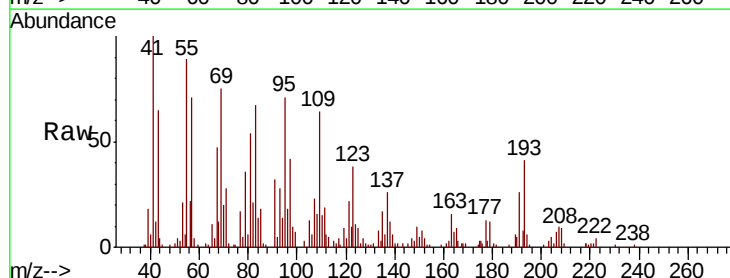
Tgt Ion: 83 Resp: 1152

Ion Ratio Lower Upper

83 100

131 14.1 4.9 14.7

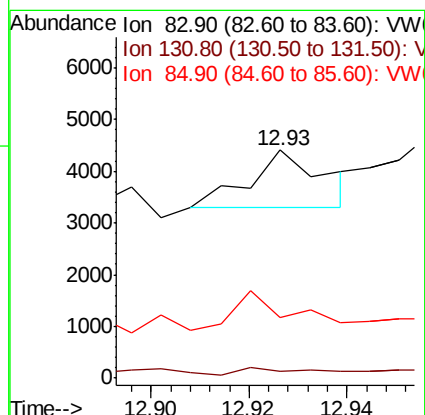
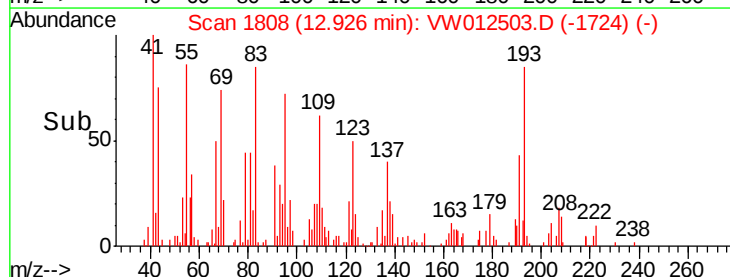
85 57.7 31.9 95.7

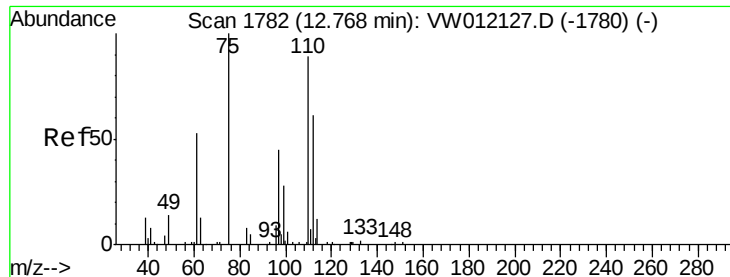


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 74.871 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012503.D

Acq: 02 Sep 2019 17:02

Instrument :

MSVOA_W

ClientSampleId :

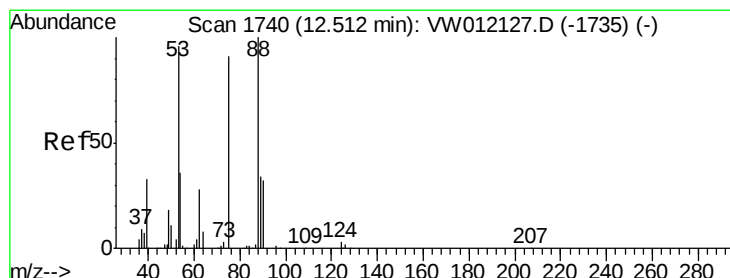
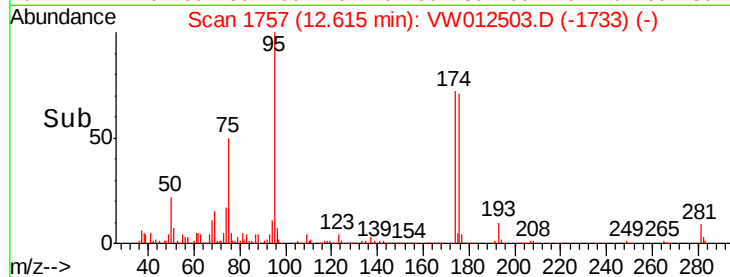
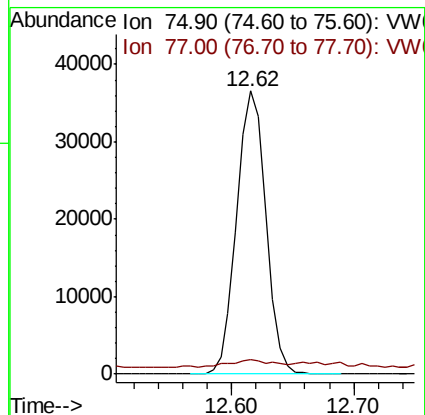
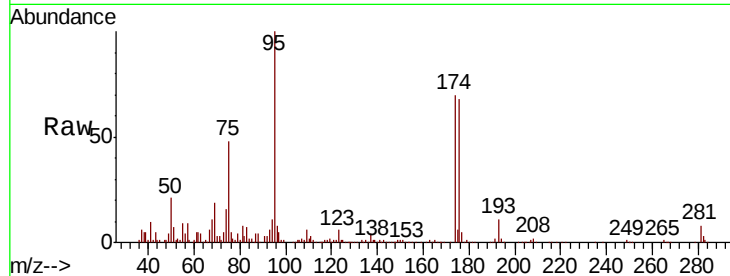
T9-12-13-T2-(0)

Tgt Ion: 75 Resp: 60407

Ion Ratio Lower Upper

75 100

77 3.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 164.158 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012503.D

Acq: 02 Sep 2019 17:02

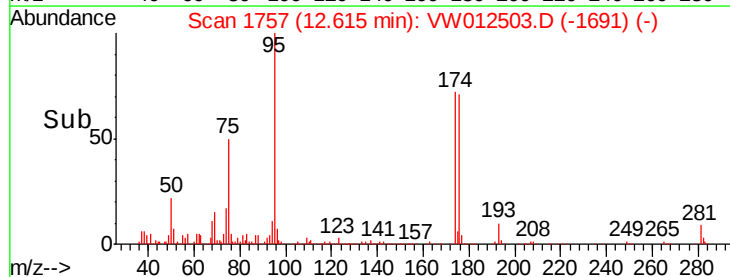
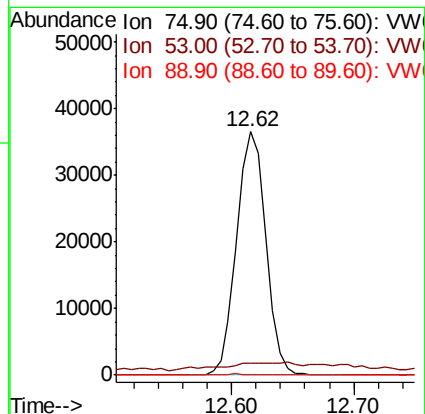
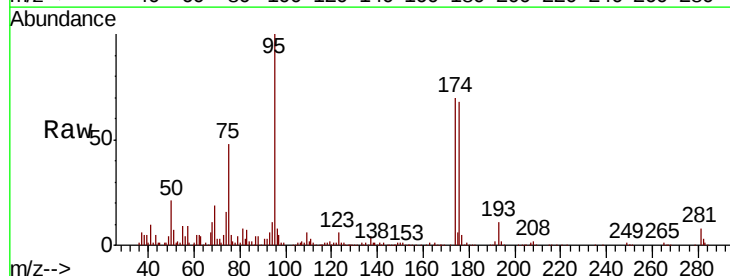
Tgt Ion: 75 Resp: 60407

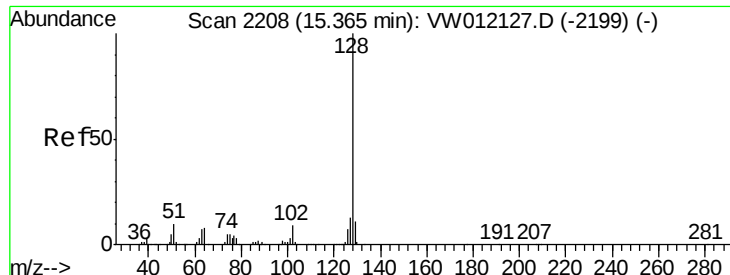
Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.2 34.5 51.7#





#95

Naphthalene

Concen: 4.569 ug/l

RT: 15.35 min Scan# 2205

Delta R.T. -0.02 min

Lab File: VW012503.D

Acq: 02 Sep 2019 17:02

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-T2-(0)

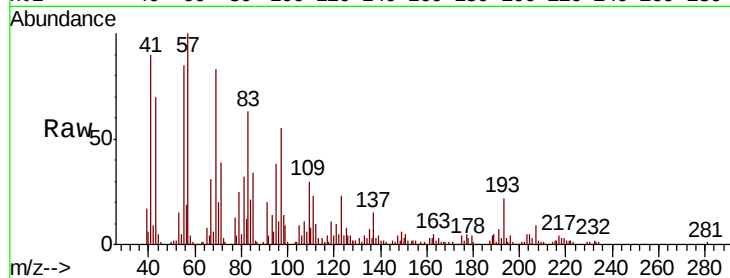
Tgt Ion:128 Resp: 849

Ion Ratio Lower Upper

128 100

127 57.0 10.7 16.1#

129 28.6 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

