

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012460.D
 Acq On : 01 Sep 2019 20:22
 Operator : SY/VA
 Sample : K4526-06RE
 Misc : 4.99G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-F1-(0)

Quant Time: Sep 02 07:21:35 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	192107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	318144	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	257795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93936	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	130706	57.23	ug/l	0.00
Spiked Amount			Recovery	=	114.46%	
35) Dibromofluoromethane	7.88	113	102170	53.80	ug/l	0.00
Spiked Amount			Recovery	=	107.60%	
50) Toluene-d8	10.32	98	387665	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.62	95	114779	42.29	ug/l	0.00
Spiked Amount			Recovery	=	84.58%	

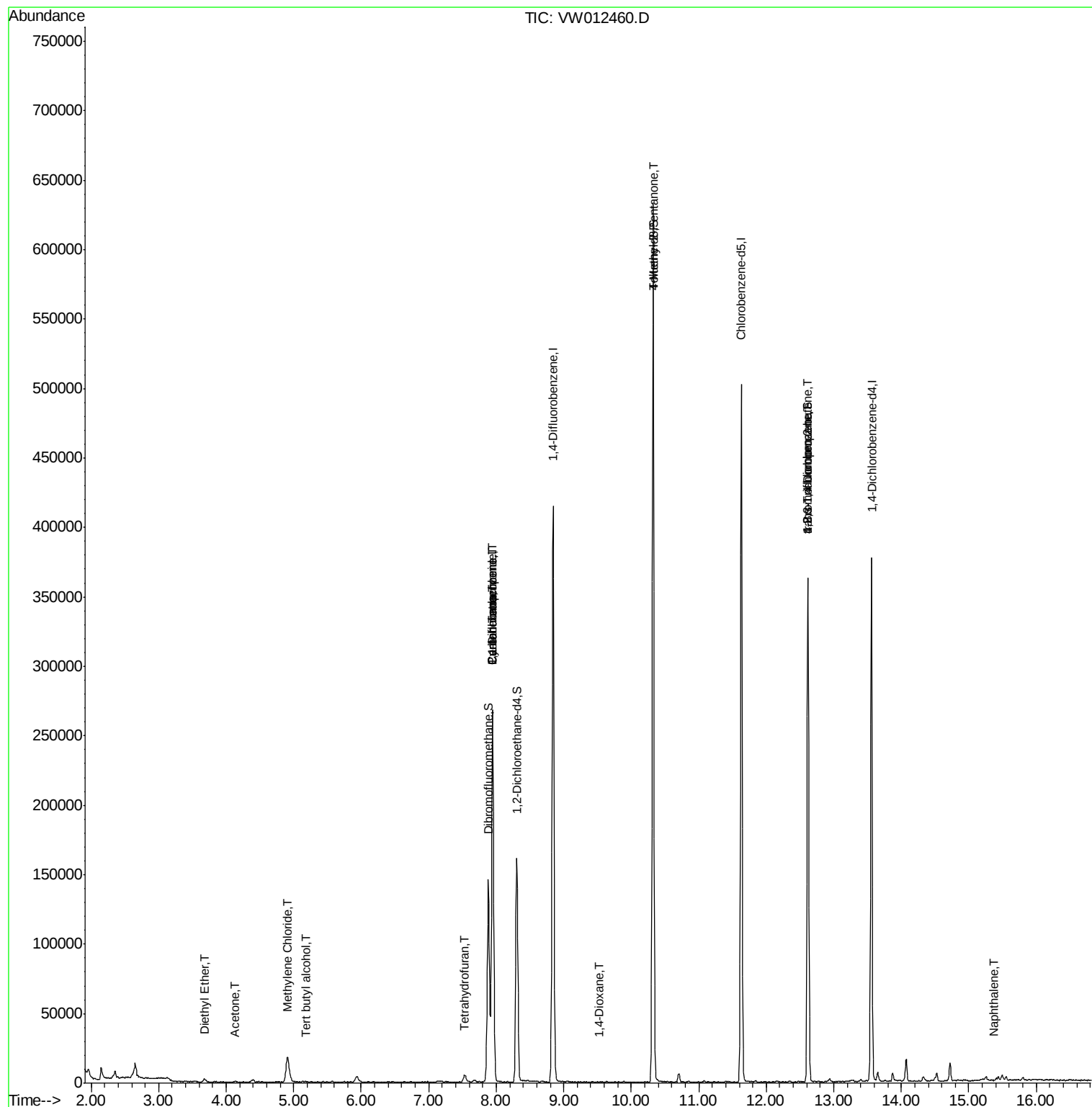
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1095	1.024	ug/l	80
11) Tert butyl alcohol	5.17	59	164	1.193	ug/l #	71
16) Acetone	4.12	43	1197	2.051	ug/l #	71
20) Methylene Chloride	4.90	84	12885	5.839	ug/l	95
29) Tetrahydrofuran	7.52	42	4470	9.392	ug/l	94
31) Cyclohexane	7.95	56	4889	1.189	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	16724	5.087	ug/l #	52
38) Carbon Tetrachloride	7.95	117	19534	6.865	ug/l #	16
49) 1,4-Dioxane	9.51	88	20	1.215	ug/l #	1
51) 4-Methyl-2-Pentanone	10.32	43	2488	1.466	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	62161	67.945	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62161	148.972	ug/l #	6
95) Naphthalene	15.37	128	247	4.385	ug/l #	69

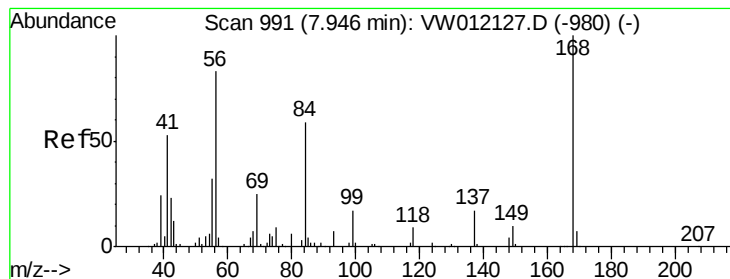
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
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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: VW012460.D

Acq: 01 Sep 2019 20:22

Instrument :

MSVOA_W

ClientSampleId :

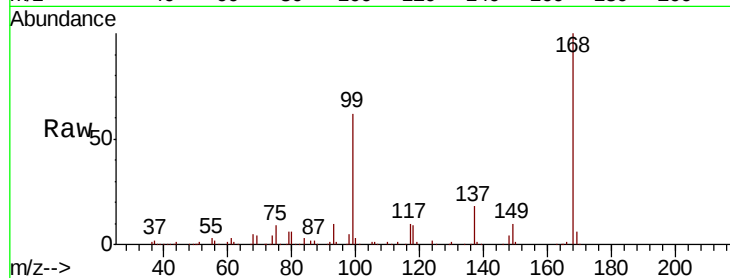
T9-12-13-F1-(0)

Tgt Ion:168 Resp: 192107

Ion Ratio Lower Upper

168 100

99 61.7 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

80000

60000

40000

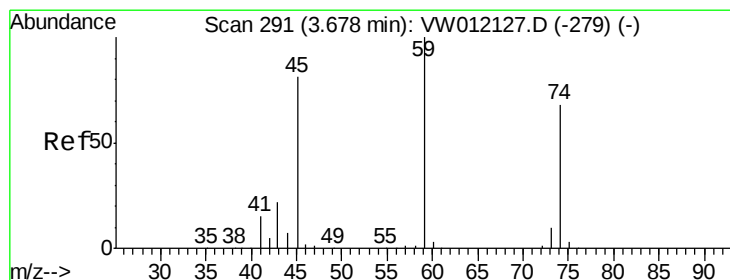
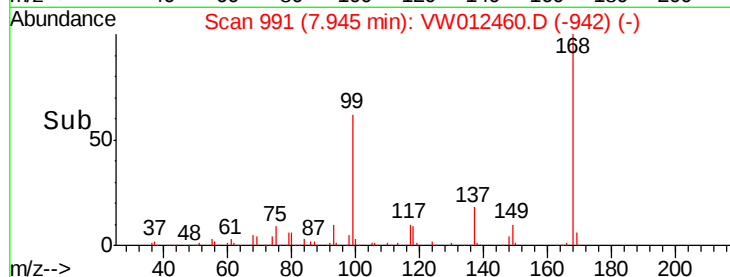
20000

0

7.90

8.00

Time-->



#8

Diethyl Ether

Concen: 1.024 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012460.D

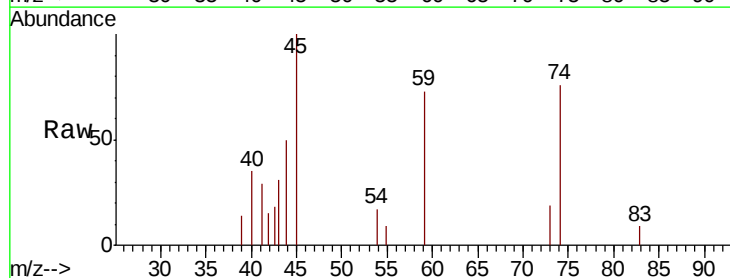
Acq: 01 Sep 2019 20:22

Tgt Ion: 74 Resp: 1095

Ion Ratio Lower Upper

74 100

45 140.9 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

600

400

200

0

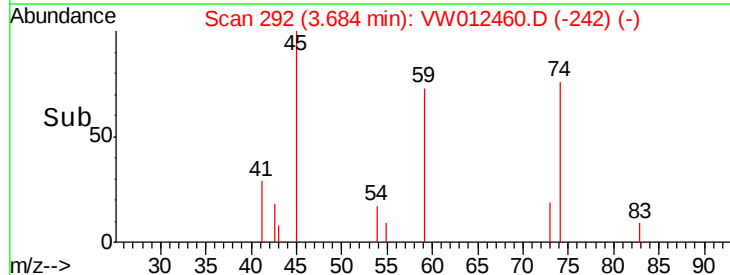
3.60

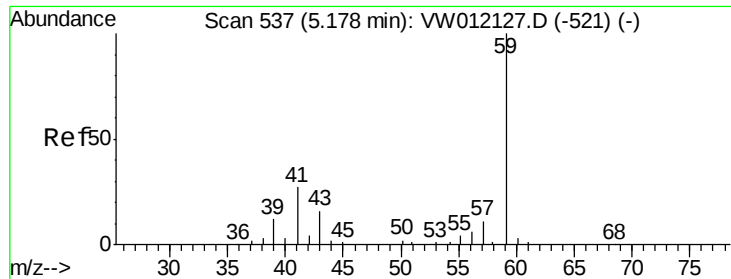
3.65

3.70

3.75

Time-->

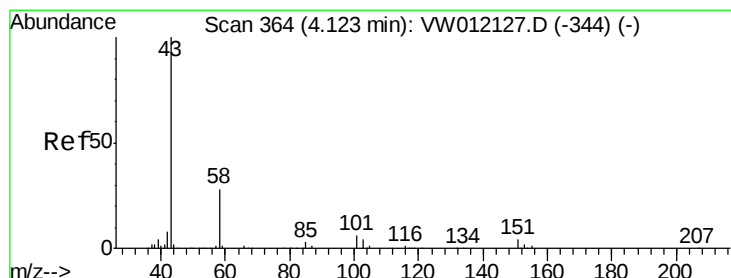
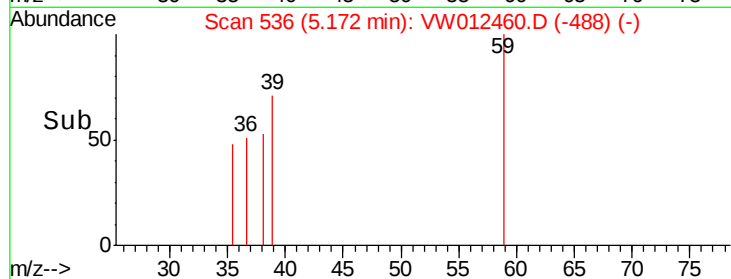
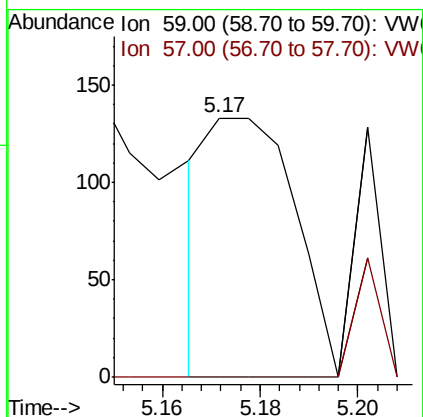
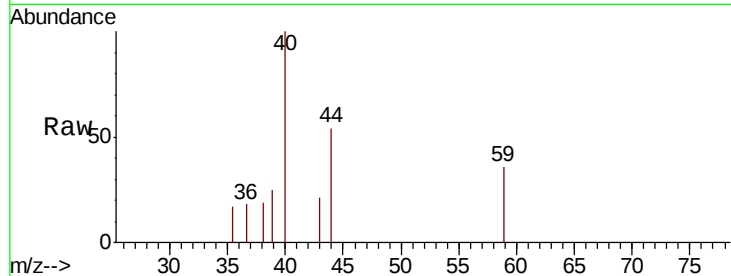




#11
Tert butyl alcohol
Concen: 1.193 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012460.D
Acq: 01 Sep 2019 20:22

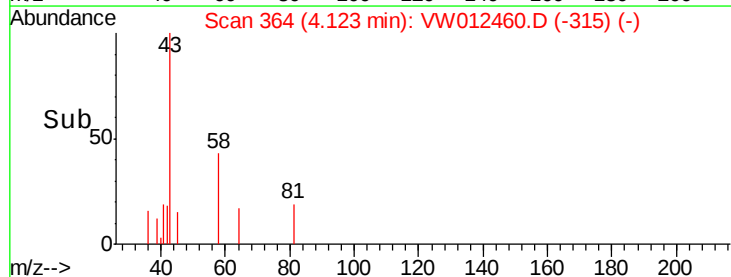
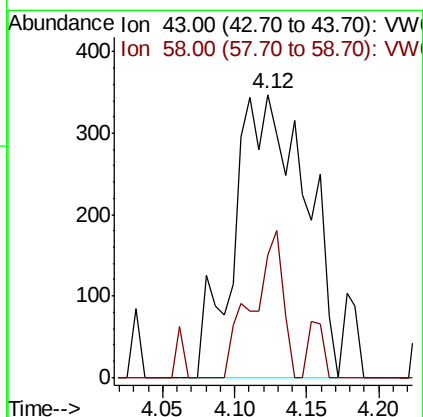
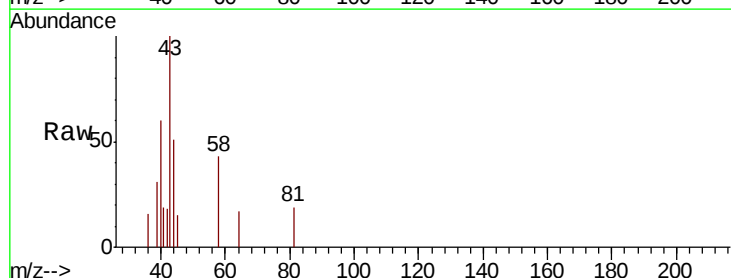
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-F1-(0)

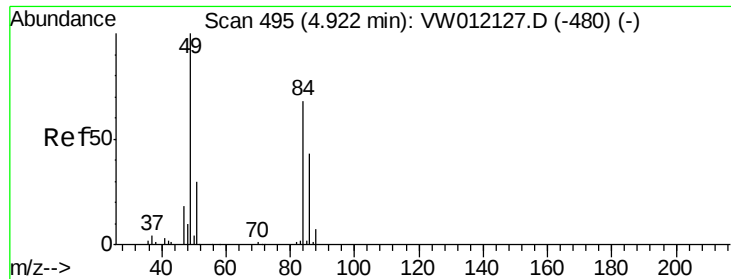
Tgt Ion: 59 Resp: 164
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 2.051 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW012460.D
Acq: 01 Sep 2019 20:22

Tgt Ion: 43 Resp: 1197
Ion Ratio Lower Upper
43 100
58 43.4 22.4 33.6#

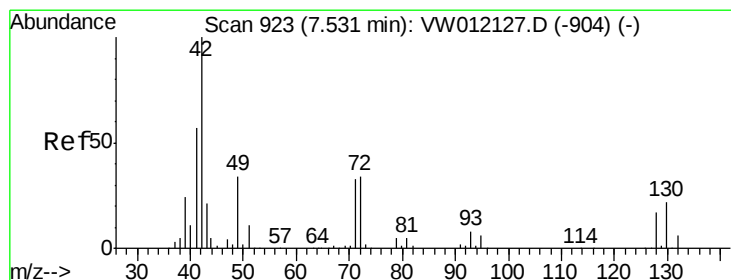
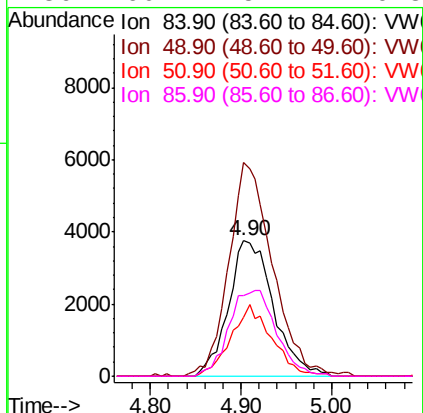
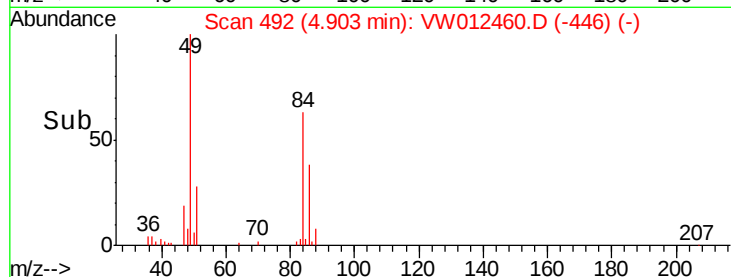
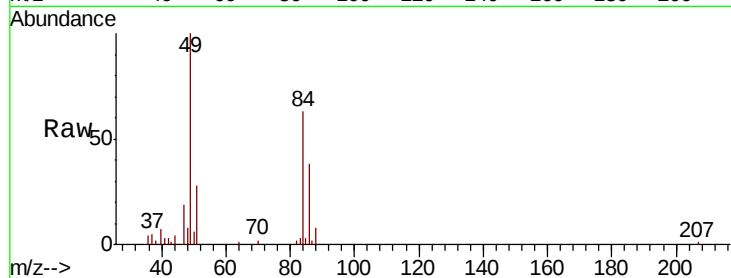




#20
Methylene Chloride
Concen: 5.839 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012460.D
Acq: 01 Sep 2019 20:22

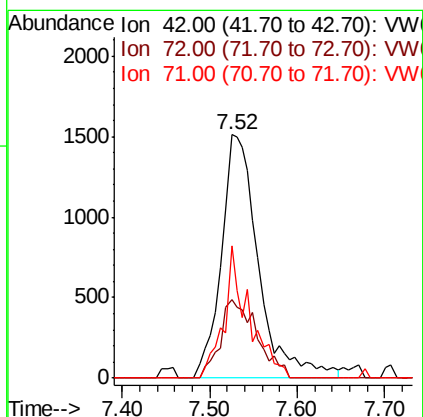
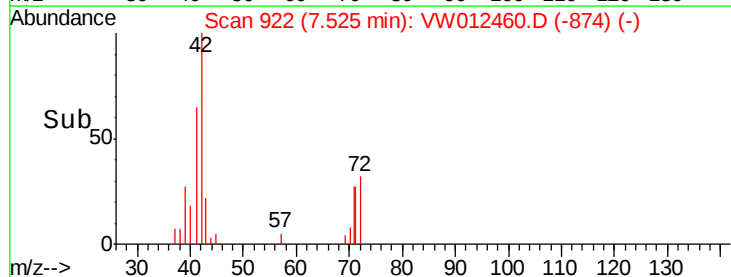
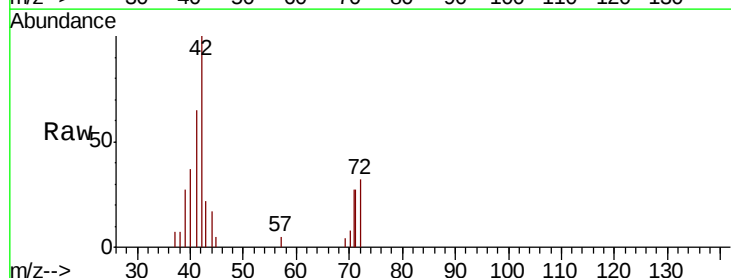
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-F1-(0)

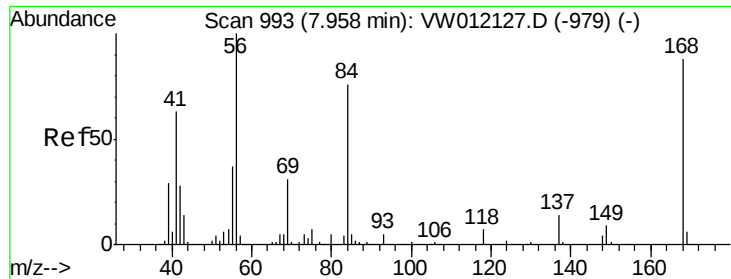
Tgt Ion: 84 Resp: 12885
Ion Ratio Lower Upper
84 100
49 156.1 117.8 176.8
51 44.0 35.6 53.4
86 60.1 51.2 76.8



#29
Tetrahydrofuran
Concen: 9.392 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012460.D
Acq: 01 Sep 2019 20:22

Tgt Ion: 42 Resp: 4470
Ion Ratio Lower Upper
42 100
72 31.8 27.3 40.9
71 36.5 25.5 38.3

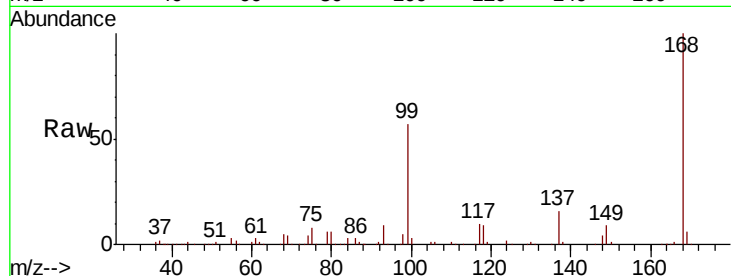




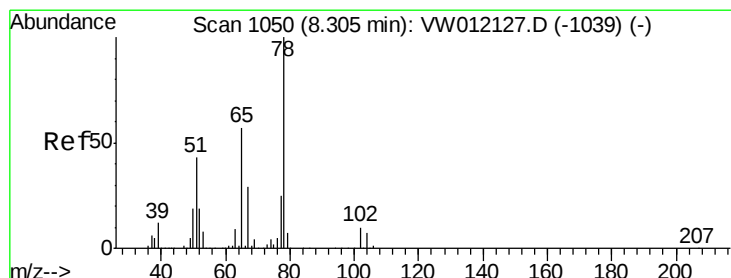
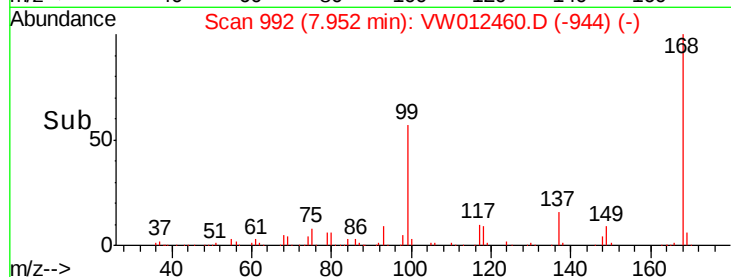
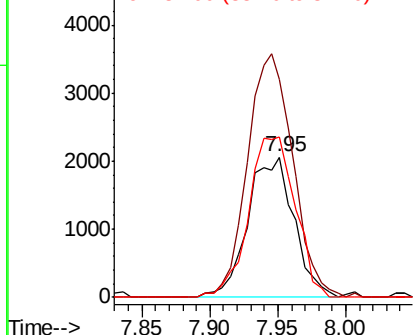
#31
Cyclohexane
Concen: 1.189 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012460.D
Acq: 01 Sep 2019 20:22

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-F1-(0)

Tgt Ion: 56 Resp: 4889
Ion Ratio Lower Upper
56 100
69 156.1 24.9 37.3#
84 114.6 60.6 90.8#

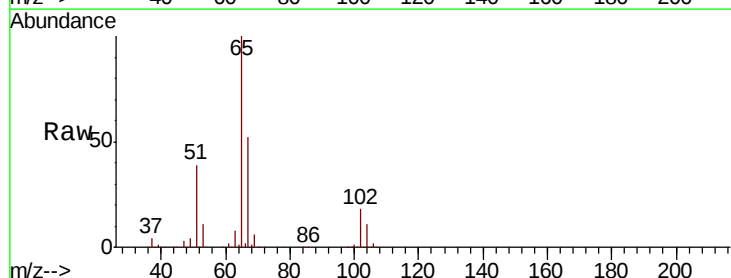


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

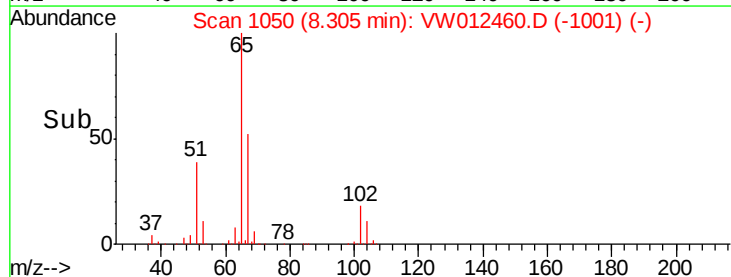
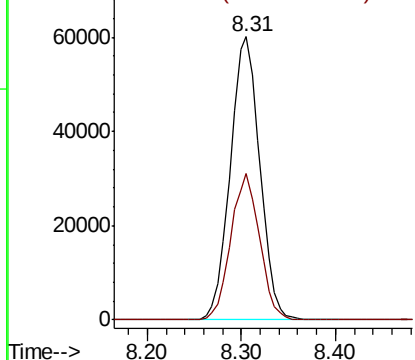


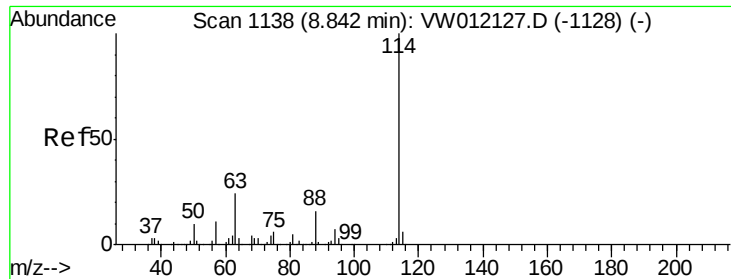
#33
1,2-Dichloroethane-d4
Concen: 57.235 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012460.D
Acq: 01 Sep 2019 20:22

Tgt Ion: 65 Resp: 130706
Ion Ratio Lower Upper
65 100
67 50.5 0.0 102.6



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

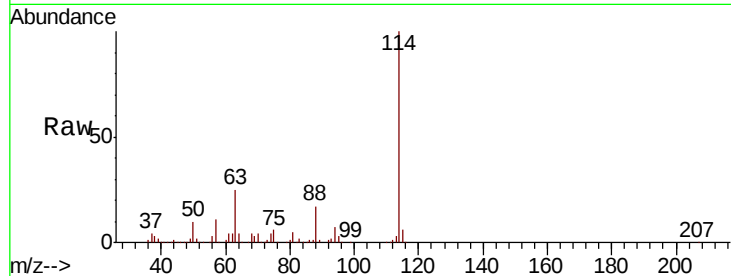




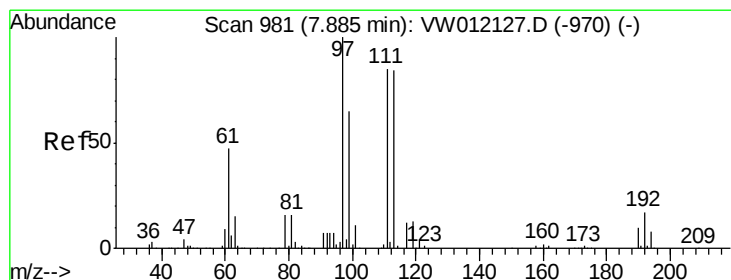
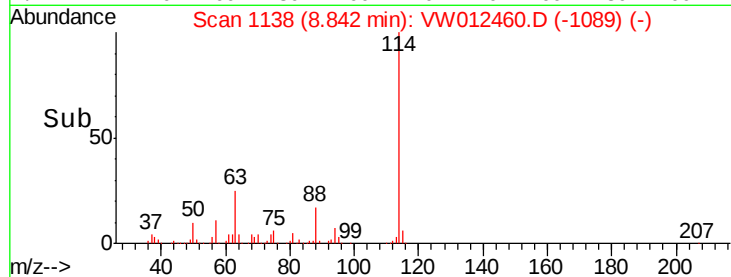
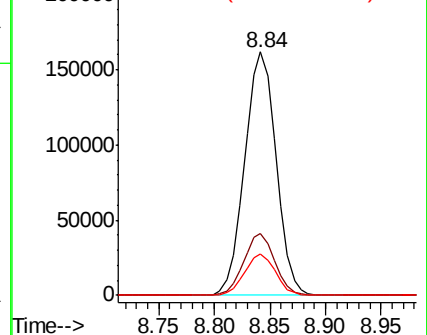
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012460.D
 Acq: 01 Sep 2019 20:22

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-F1-(0)

Tgt Ion:114 Resp: 318144
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 48.6
 88 17.1 0.0 32.2

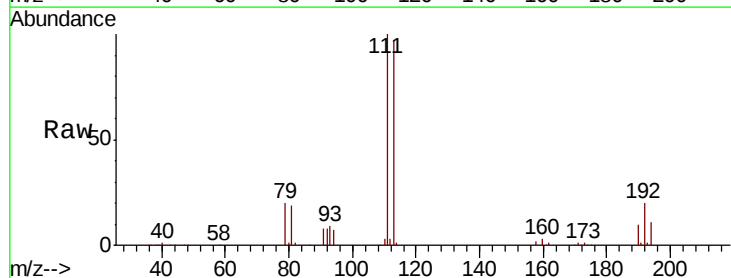


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

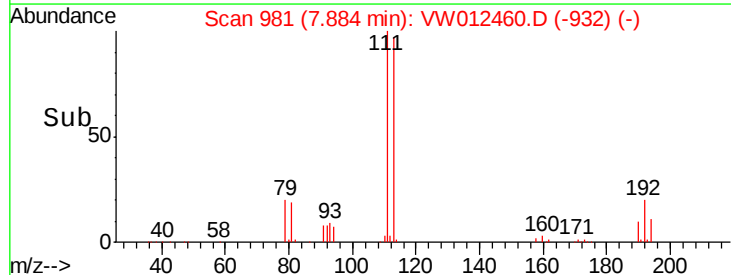
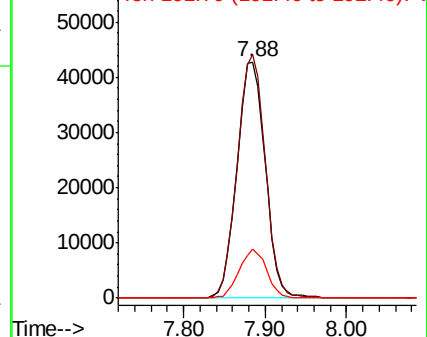


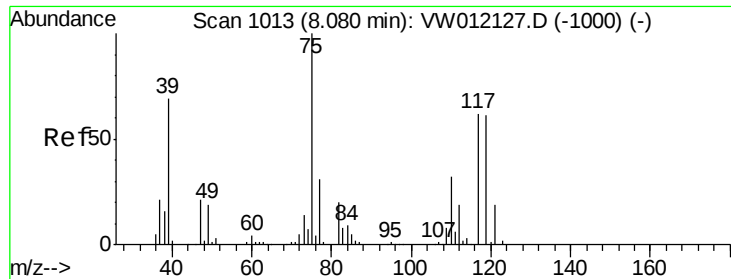
#35
 Dibromofluoromethane
 Concen: 53.802 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012460.D
 Acq: 01 Sep 2019 20:22

Tgt Ion:113 Resp: 102170
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.7 124.1
 192 20.1 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

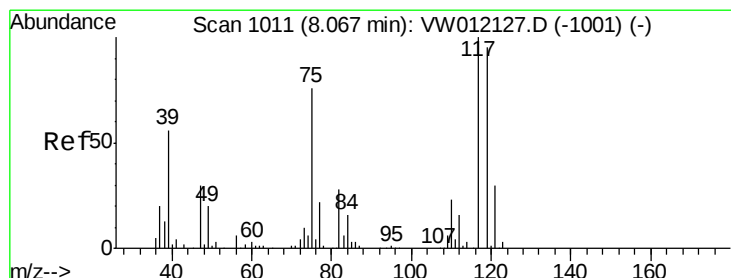
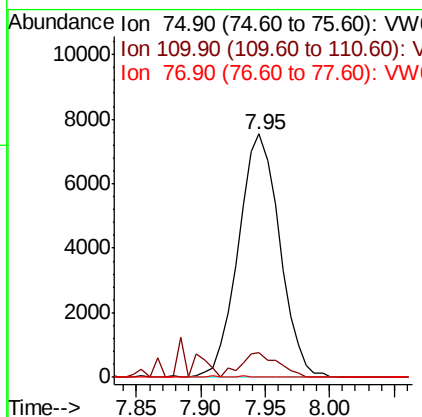
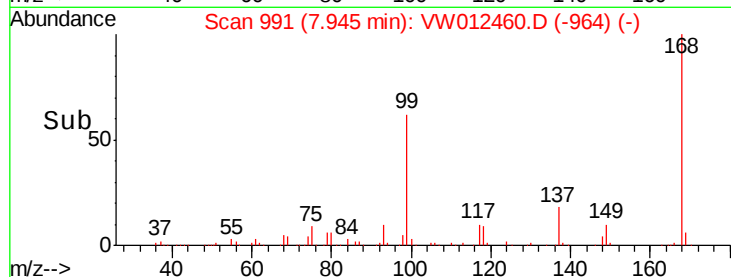
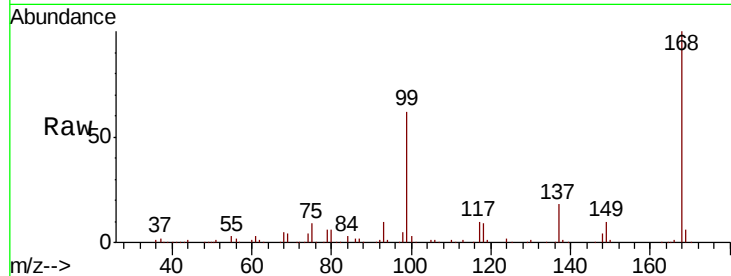




#36
 1,1-Dichloropropene
 Concen: 5.087 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012460.D
 Acq: 01 Sep 2019 20:22

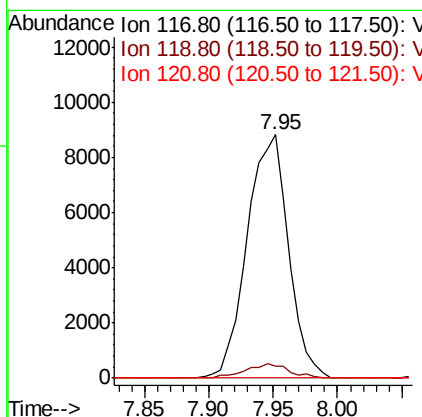
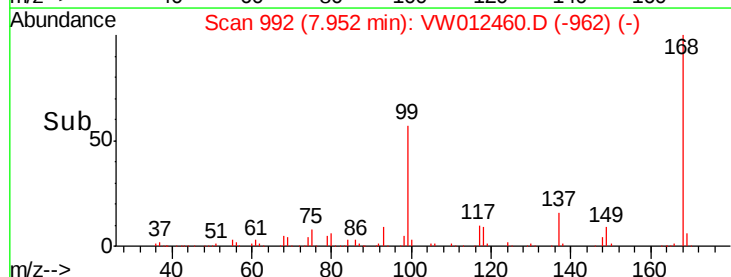
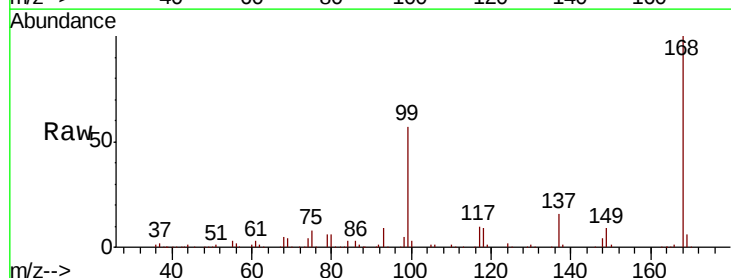
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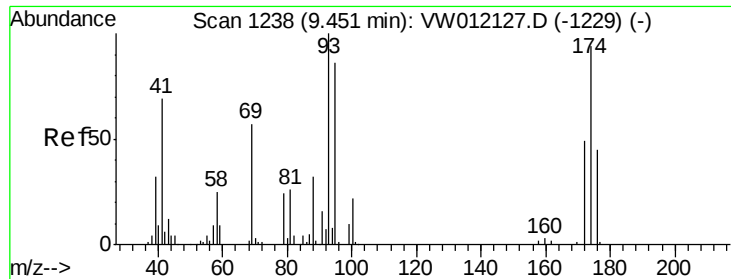
Tgt Ion: 75 Resp: 16724
 Ion Ratio Lower Upper
 75 100
 110 9.2 15.6 46.8#
 77 0.1 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.865 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW012460.D
 Acq: 01 Sep 2019 20:22

Tgt Ion: 117 Resp: 19534
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.2 114.2#
 121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 1.215 ug/l

RT: 9.51 min Scan# 1248

Delta R.T. 0.06 min

Lab File: VW012460.D

Acq: 01 Sep 2019 20:22

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-F1-(0)

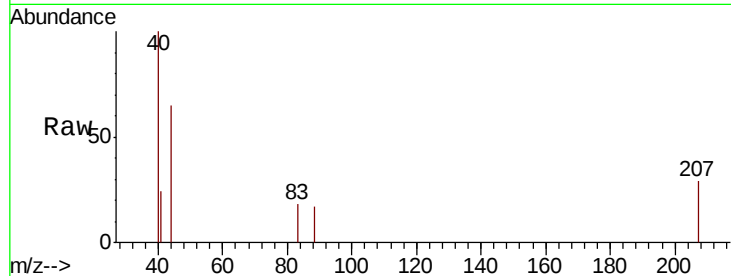
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 120.0 32.9 49.3#

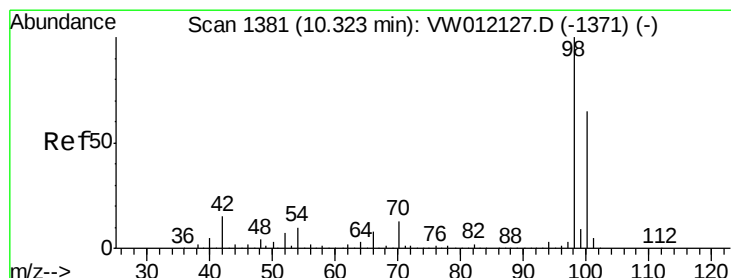
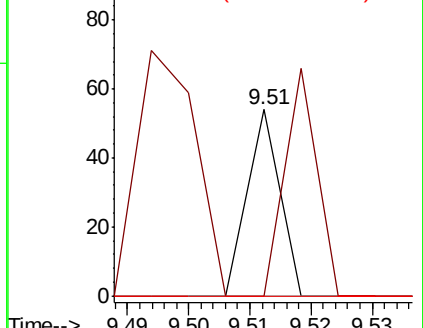
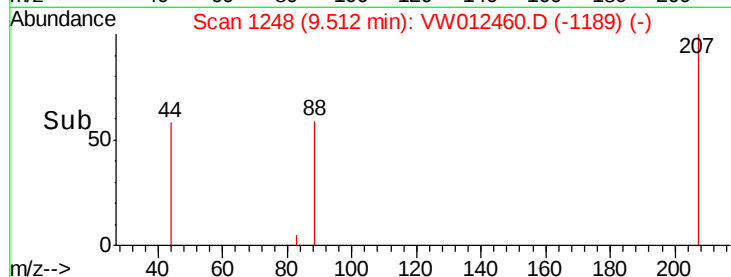
58 0.0 71.0 106.4#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.347 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012460.D

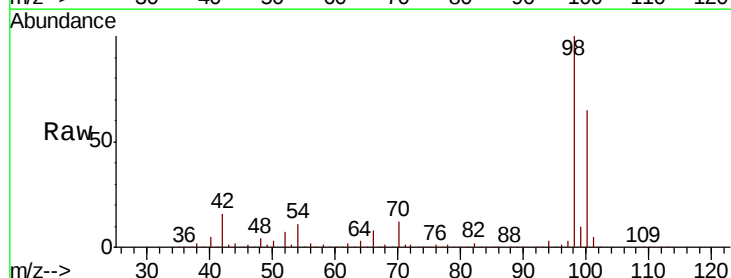
Acq: 01 Sep 2019 20:22

Tgt Ion: 98 Resp: 387665

Ion Ratio Lower Upper

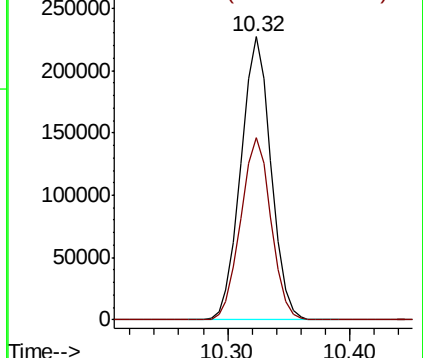
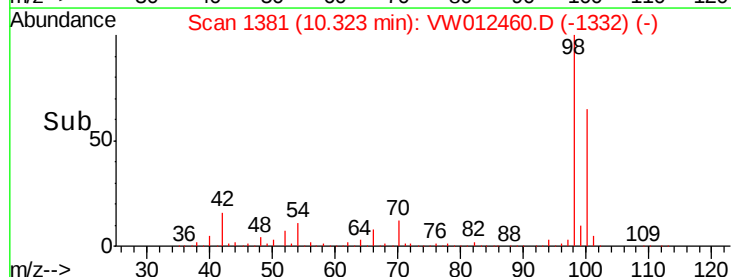
98 100

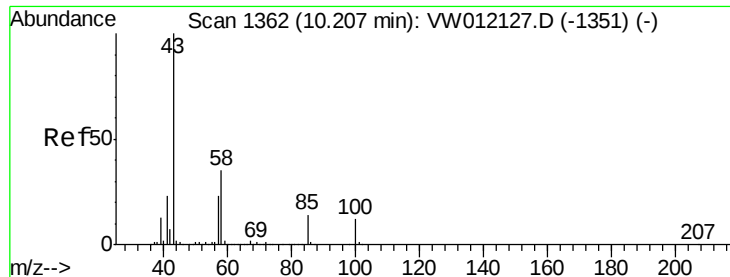
100 65.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.466 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW012460.D

Acq: 01 Sep 2019 20:22

Instrument :

MSVOA_W

ClientSampleId :

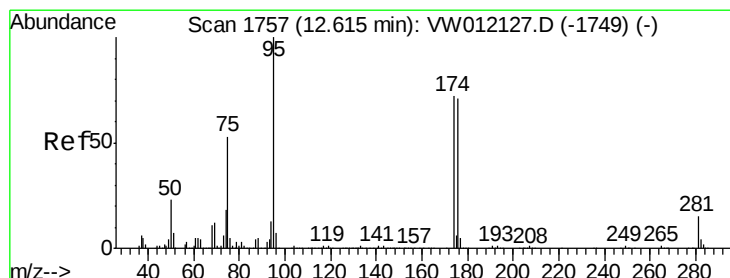
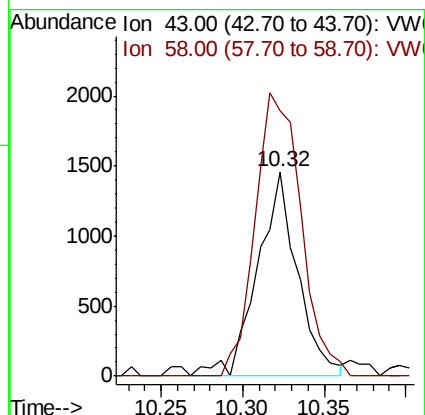
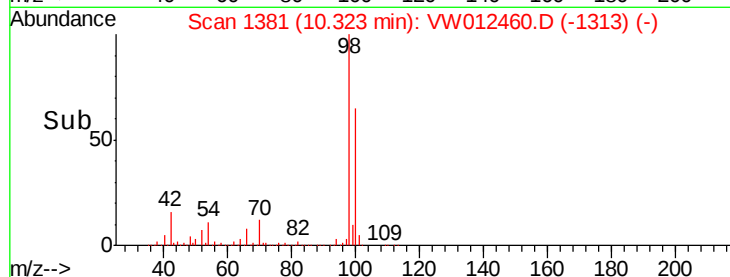
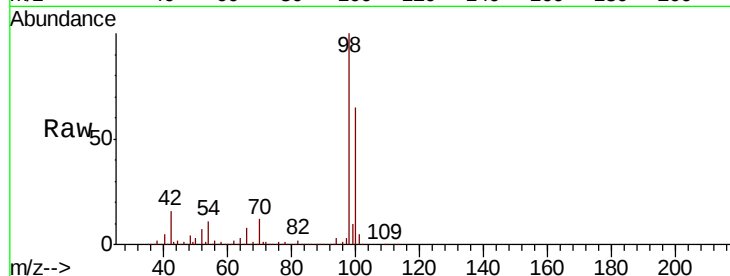
T9-12-13-F1-(0)

Tgt Ion: 43 Resp: 2488

Ion Ratio Lower Upper

43 100

58 159.4 28.2 42.2#



#62

4-Bromofluorobenzene

Concen: 42.288 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012460.D

Acq: 01 Sep 2019 20:22

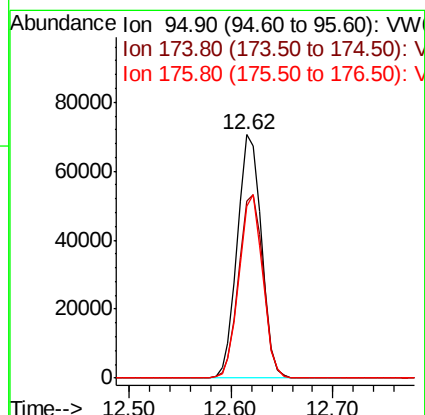
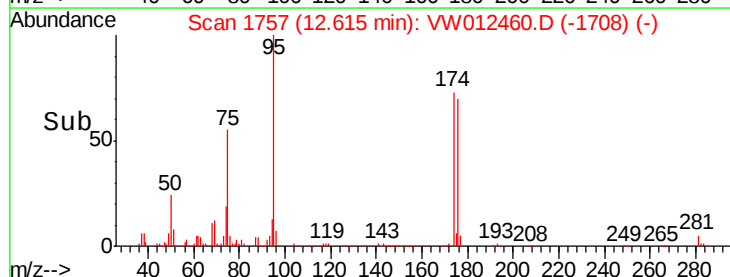
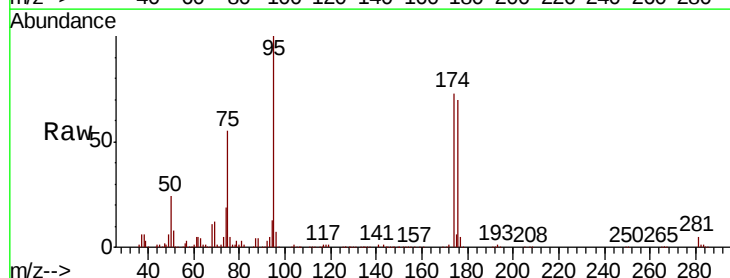
Tgt Ion: 95 Resp: 114779

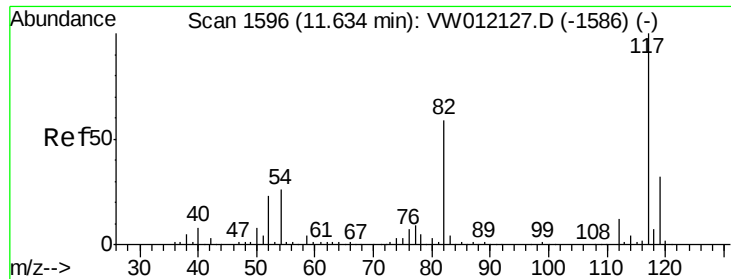
Ion Ratio Lower Upper

95 100

174 77.1 0.0 150.8

176 73.9 0.0 148.6

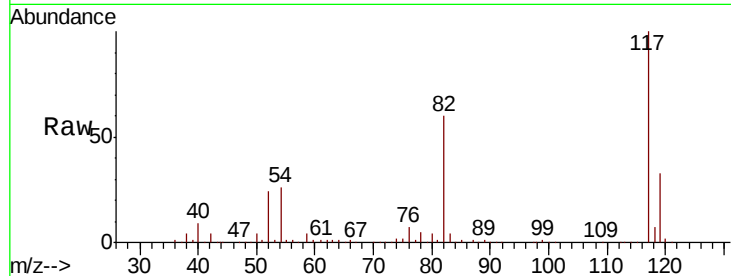




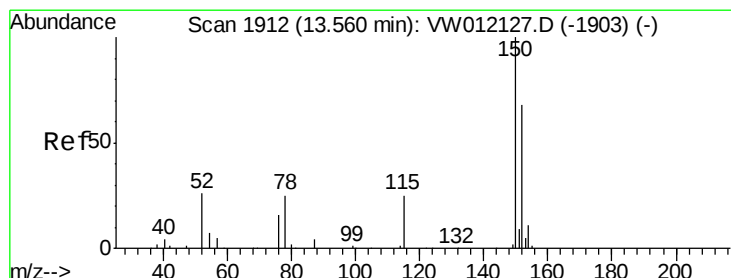
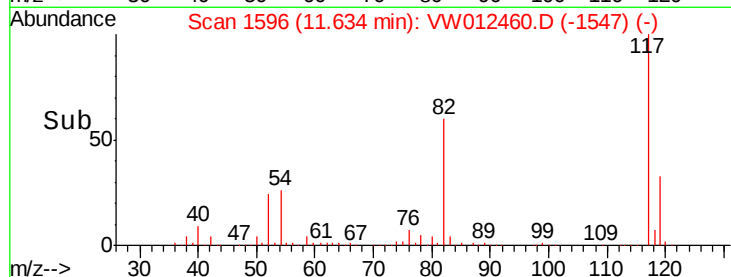
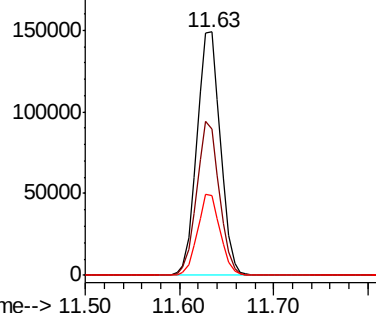
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012460.D
Acq: 01 Sep 2019 20:22

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-F1-(0)

Tgt Ion:117 Resp: 257795
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.2
119 32.8 25.4 38.2

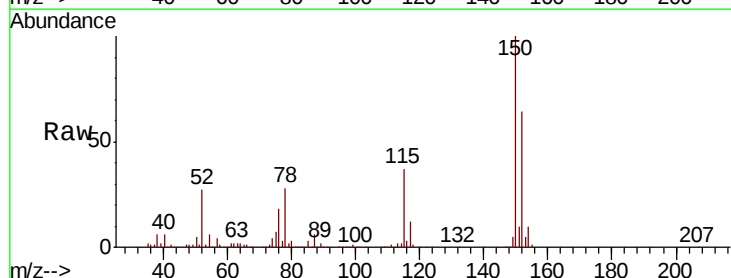


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

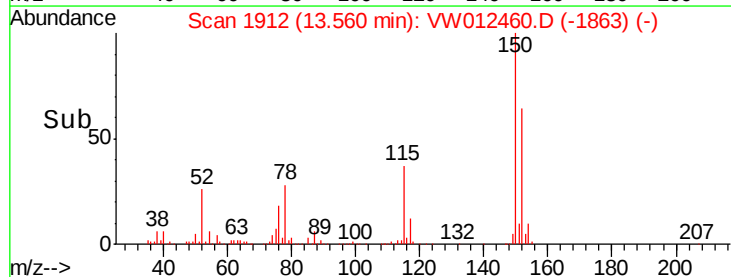
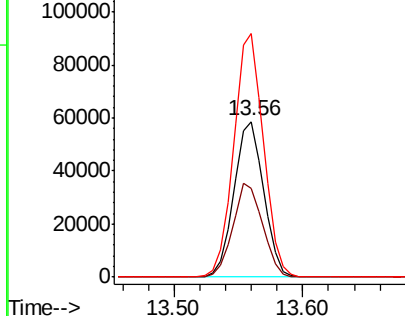


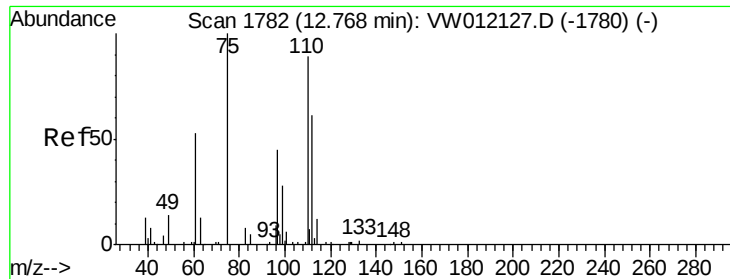
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012460.D
Acq: 01 Sep 2019 20:22

Tgt Ion:152 Resp: 93936
Ion Ratio Lower Upper
152 100
115 60.4 30.1 90.3
150 155.8 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: 67.945 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012460.D

Acq: 01 Sep 2019 20:22

Instrument :

MSVOA_W

ClientSampleId :

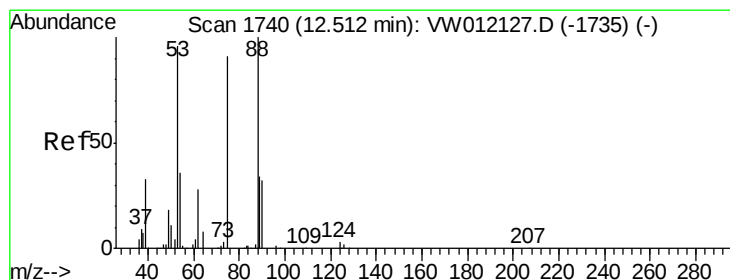
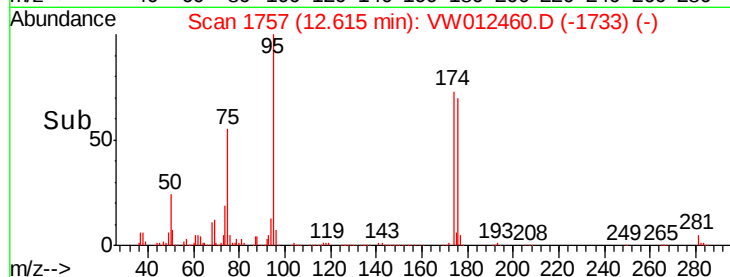
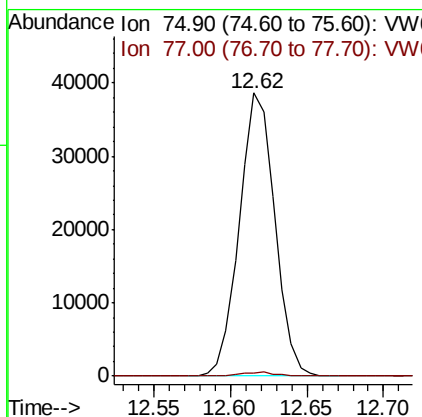
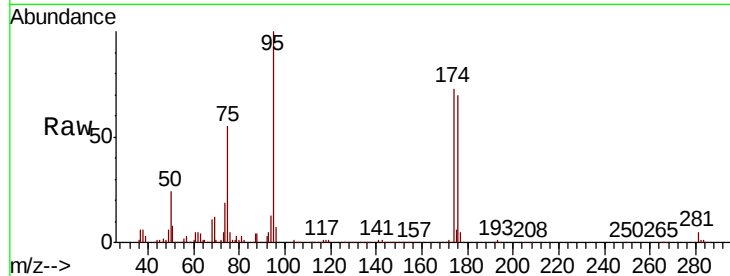
T9-12-13-F1-(0)

Tgt Ion: 75 Resp: 62161

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 148.972 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012460.D

Acq: 01 Sep 2019 20:22

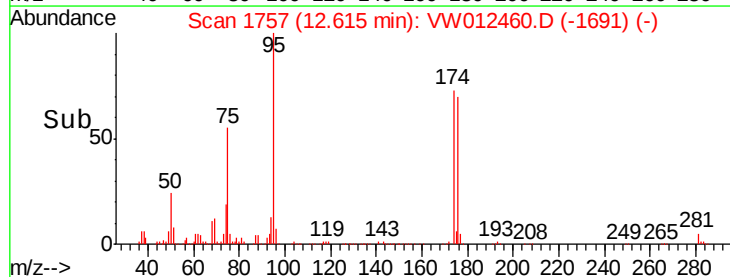
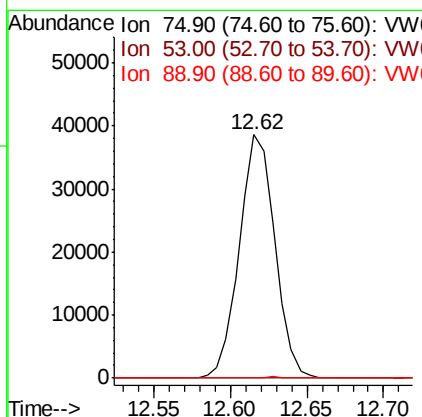
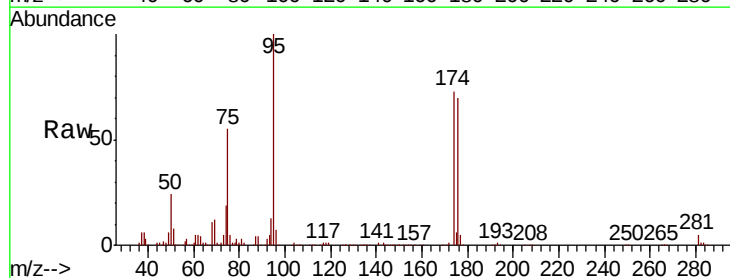
Tgt Ion: 75 Resp: 62161

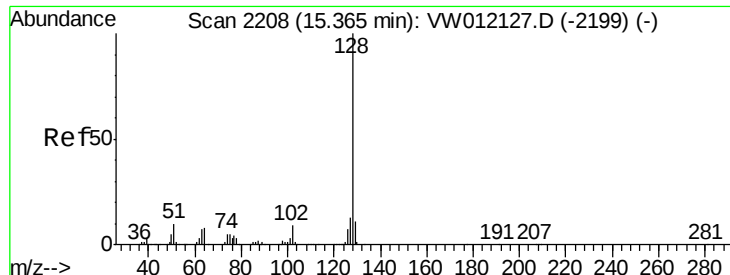
Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.1 34.5 51.7#





#95

Naphthalene

Concen: 4.385 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012460.D

Acq: 01 Sep 2019 20:22

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-F1-(0)

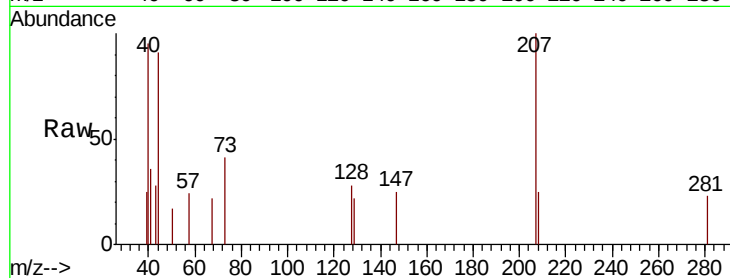
Tgt Ion:128 Resp: 247

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

