

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090319\
 Data File : VW012580.D
 Acq On : 04 Sep 2019 06:58
 Operator : SY/VA
 Sample : K4525-15
 Misc : 3.43G/5ML/MSVOA_W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-B1-(1.9)

Quant Time: Sep 04 07:41:16 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	239398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	384490	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	295766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	96782	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	160701	56.47	ug/l	0.00
Spiked Amount			Recovery	=	112.94%	
35) Dibromofluoromethane	7.88	113	121937	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	
50) Toluene-d8	10.32	98	463074	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.62	95	122244	37.27	ug/l	0.00
Spiked Amount			Recovery	=	74.54%	

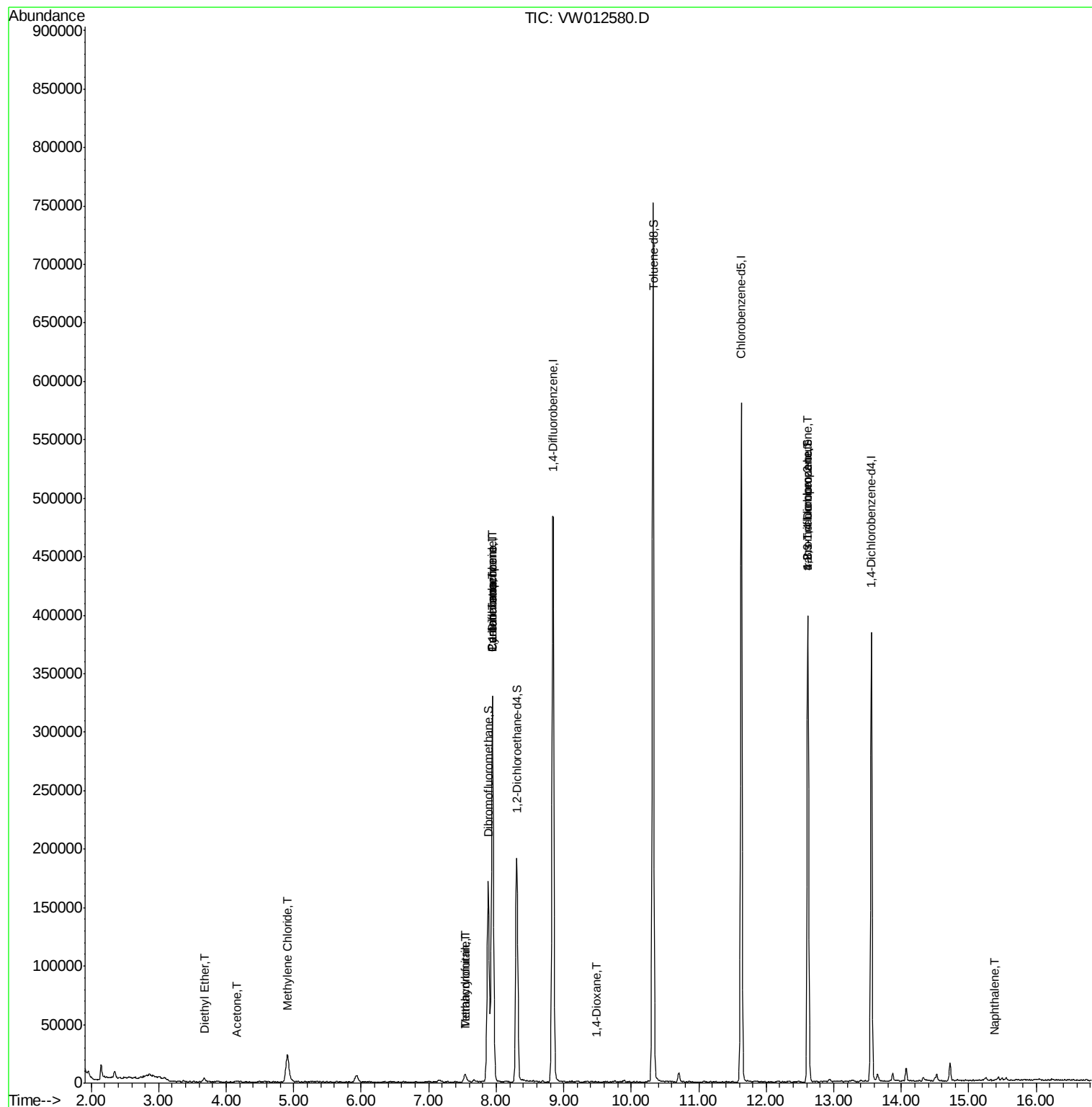
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1729	1.298	ug/l	81
16) Acetone	4.15	43	1615	2.220	ug/l	94
20) Methylene Chloride	4.91	84	16984	6.176	ug/l	90
29) Tetrahydrofuran	7.54	42	6058	10.214	ug/l	95
31) Cyclohexane	7.95	56	6045	1.179	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20364	5.125	ug/l #	53
38) Carbon Tetrachloride	7.95	117	24374	7.088	ug/l #	18
41) Methacrylonitrile	7.53	41	3891	3.041	ug/l #	58
49) 1,4-Dioxane	9.48	88	20	1.006	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	67773	71.901	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67773	157.646	ug/l #	6
95) Naphthalene	15.38	128	69	4.338	ug/l #	40

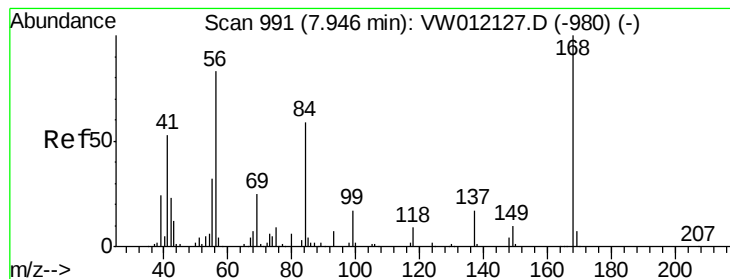
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012580.D

Acq: 04 Sep 2019 06:58

Instrument :

MSVOA_W

ClientSampleId :

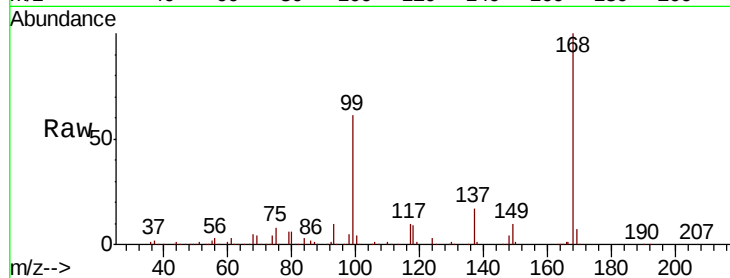
T9-12-13-B1-(1.9)

Tgt Ion:168 Resp: 239398

Ion Ratio Lower Upper

168 100

99 60.7 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

120000

100000

80000

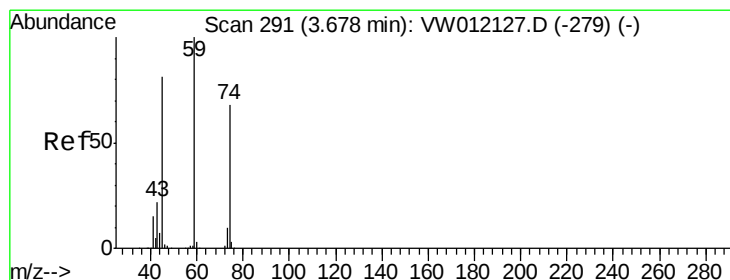
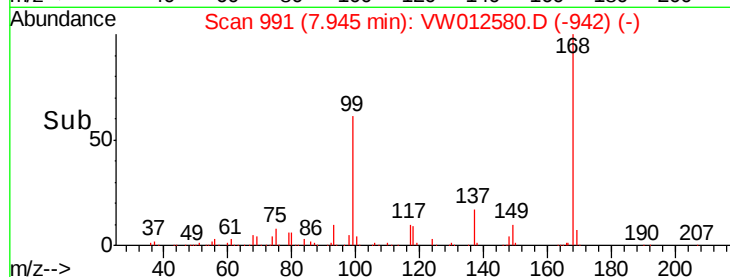
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.298 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012580.D

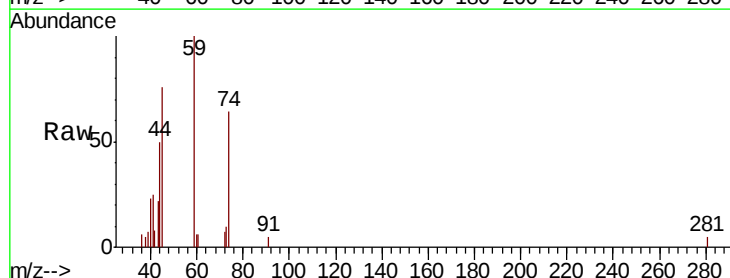
Acq: 04 Sep 2019 06:58

Tgt Ion: 74 Resp: 1729

Ion Ratio Lower Upper

74 100

45 138.9 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

1000

800

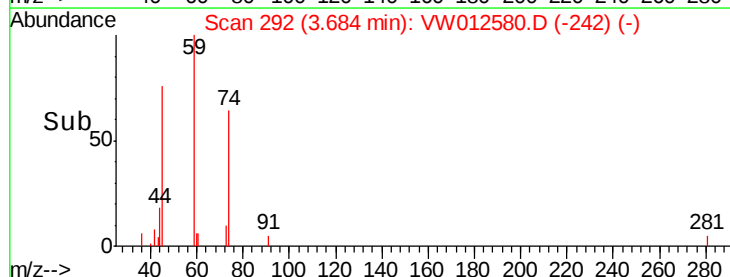
600

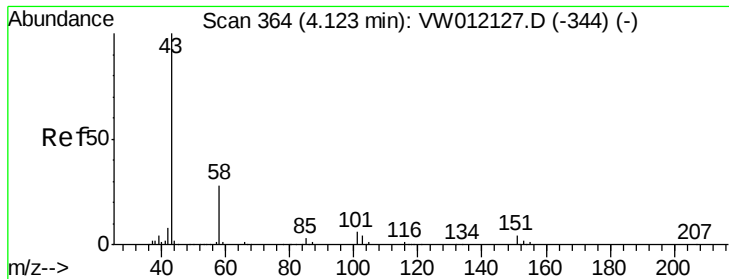
400

200

0

Time--> 3.60 3.65 3.70 3.75

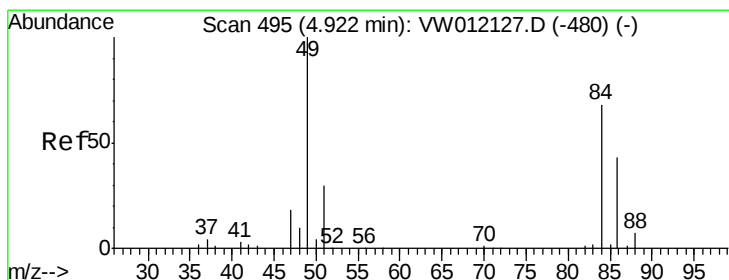
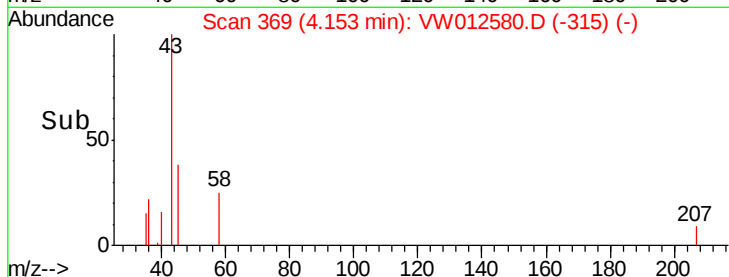
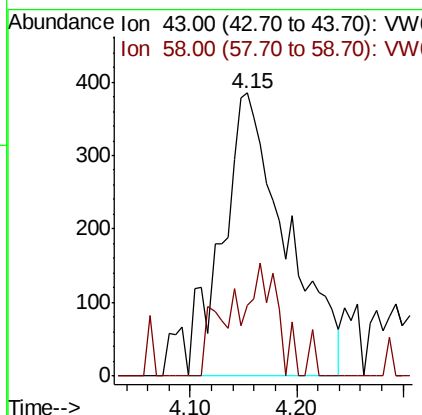
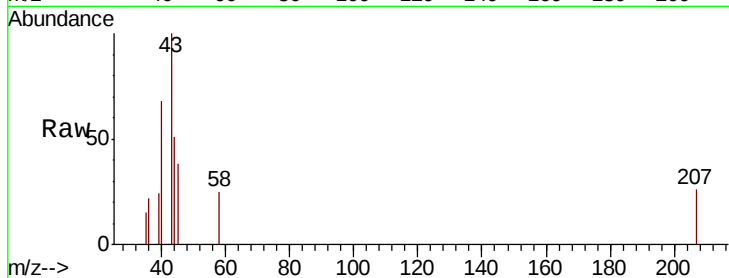




#16
Acetone
Concen: 2.220 ug/l
RT: 4.15 min Scan# 369
Delta R.T. 0.03 min
Lab File: VW012580.D
Acq: 04 Sep 2019 06:58

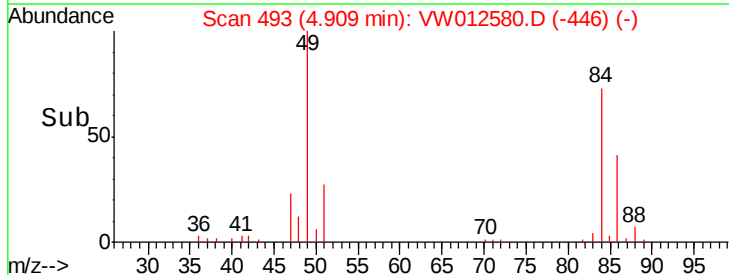
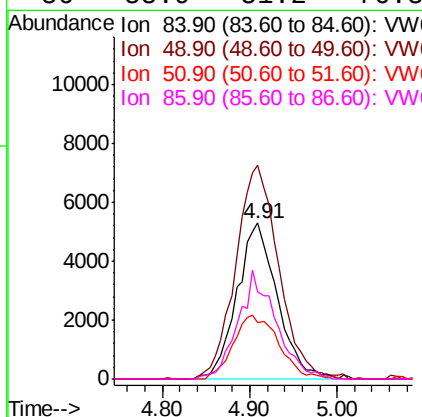
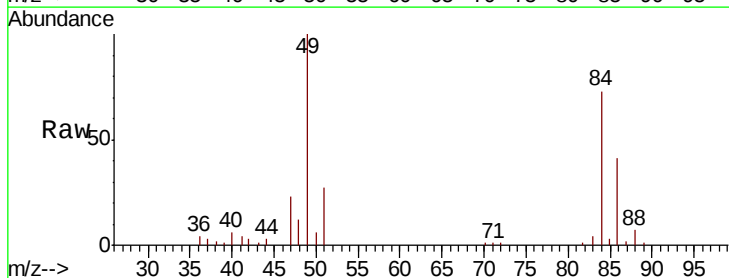
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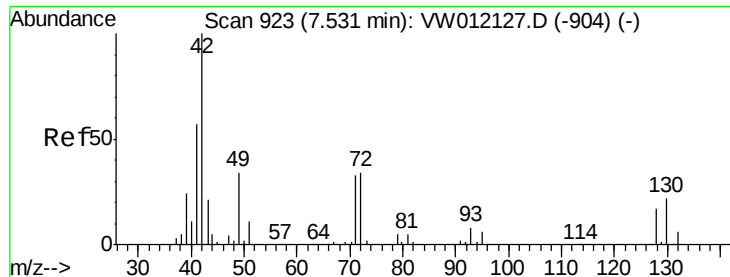
Tgt Ion: 43 Resp: 1615
Ion Ratio Lower Upper
43 100
58 24.9 22.4 33.6



#20
Methylene Chloride
Concen: 6.176 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012580.D
Acq: 04 Sep 2019 06:58

Tgt Ion: 84 Resp: 16984
Ion Ratio Lower Upper
84 100
49 137.0 117.8 176.8
51 36.3 35.6 53.4
86 55.9 51.2 76.8





#29

Tetrahydrofuran

Concen: 10.214 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012580.D

Acq: 04 Sep 2019 06:58

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-B1-(1.9)

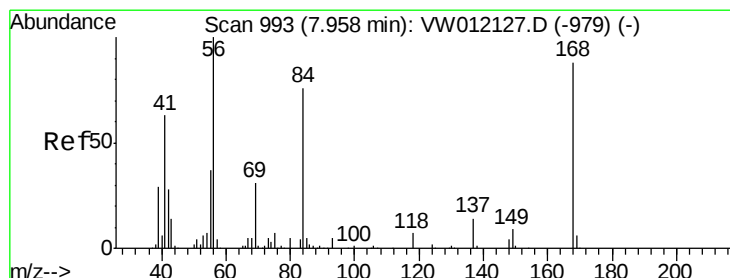
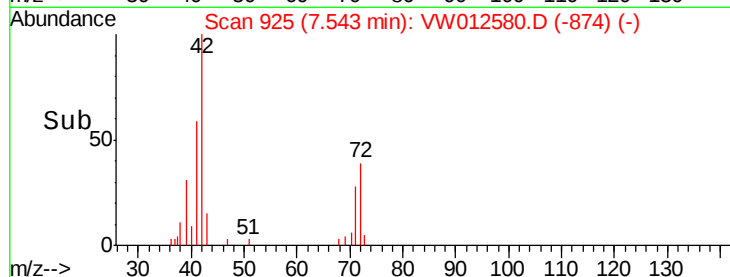
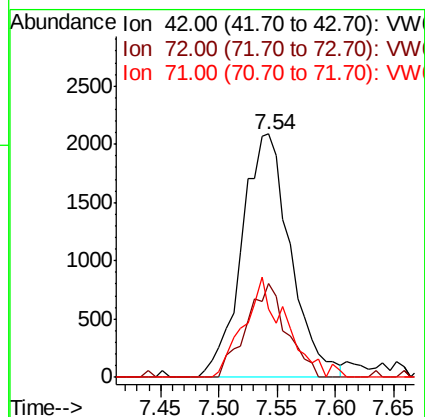
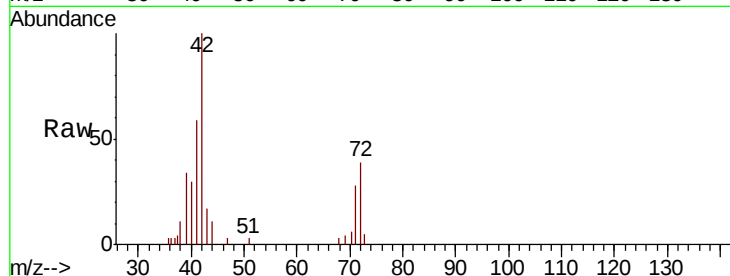
Tgt Ion: 42 Resp: 6058

Ion Ratio Lower Upper

42 100

72 32.0 27.3 40.9

71 35.8 25.5 38.3



#31

Cyclohexane

Concen: 1.179 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012580.D

Acq: 04 Sep 2019 06:58

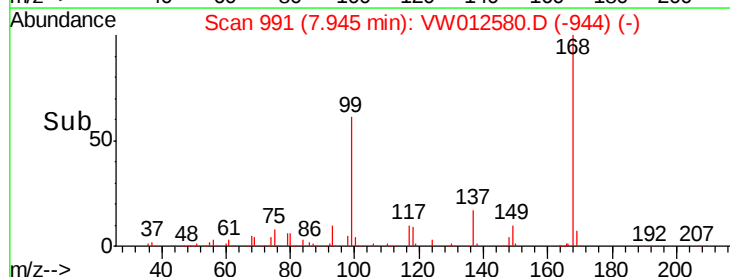
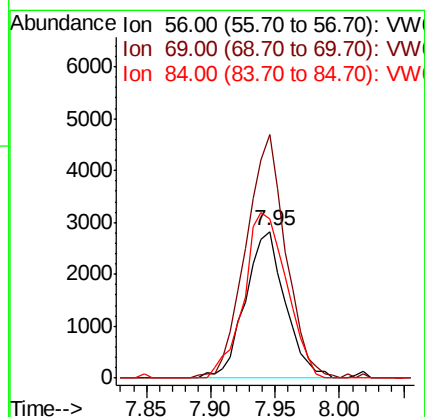
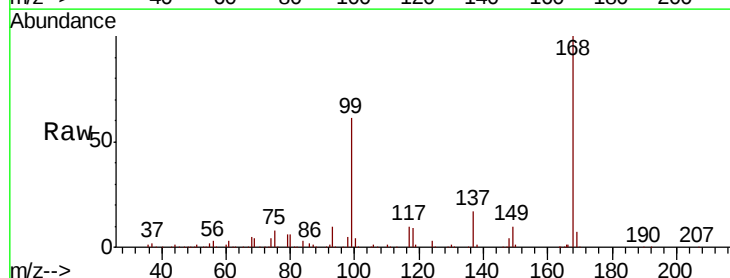
Tgt Ion: 56 Resp: 6045

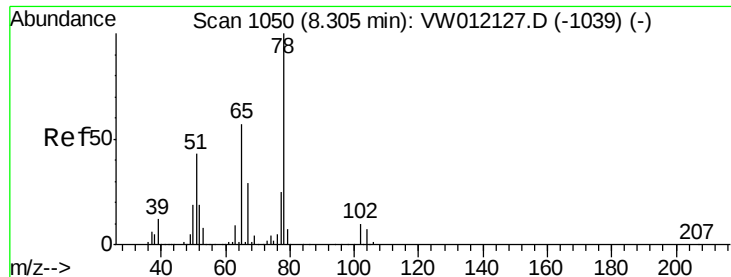
Ion Ratio Lower Upper

56 100

69 166.1 24.9 37.3#

84 108.8 60.6 90.8#

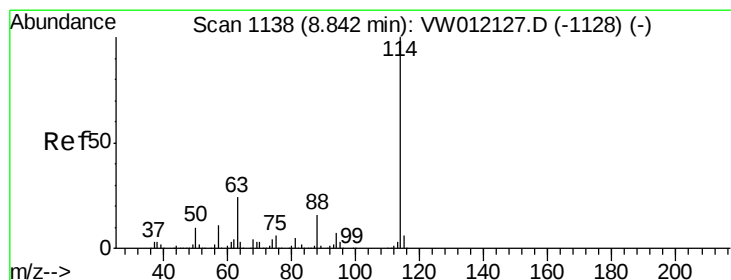
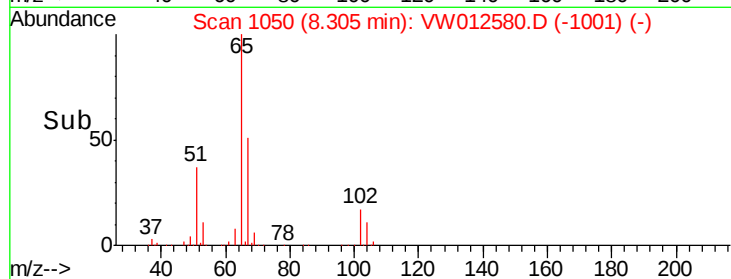
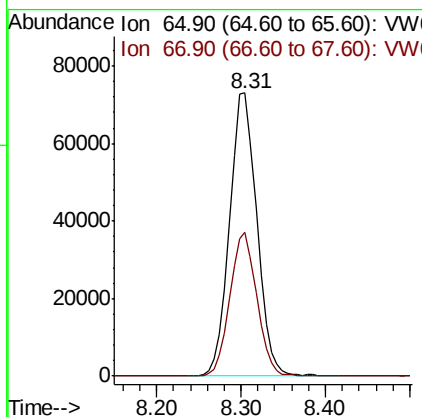
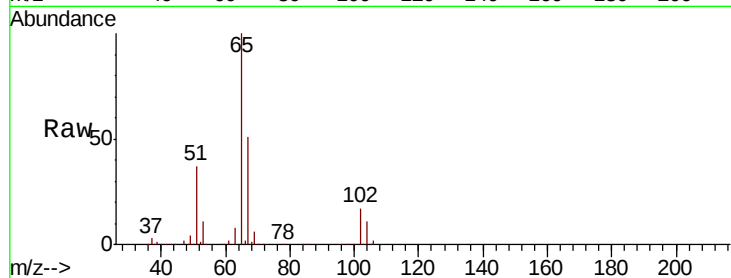




#33
 1,2-Dichloroethane-d4
 Concen: 56.468 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012580.D
 Acq: 04 Sep 2019 06:58

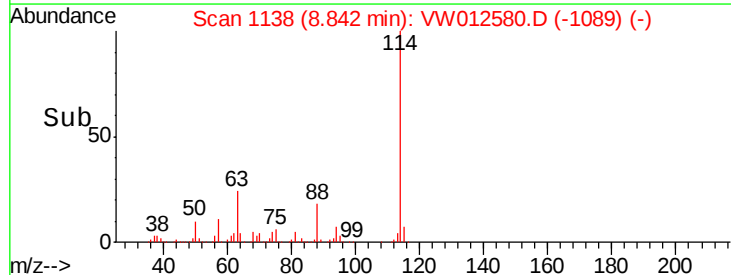
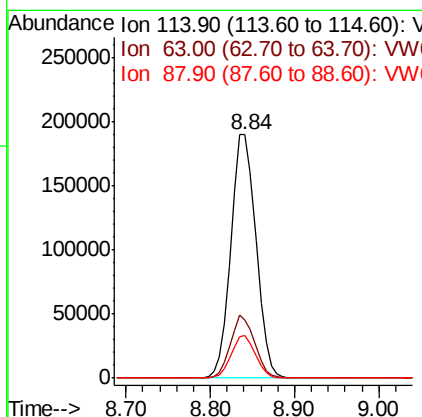
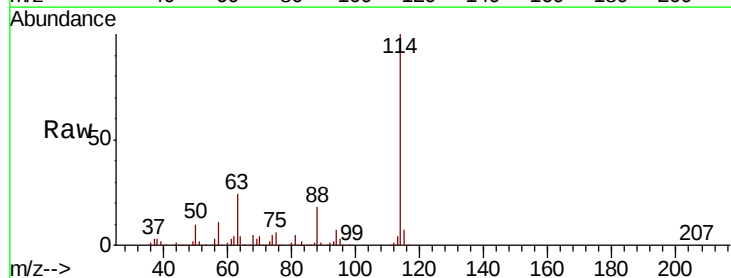
Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-B1-(1.9)

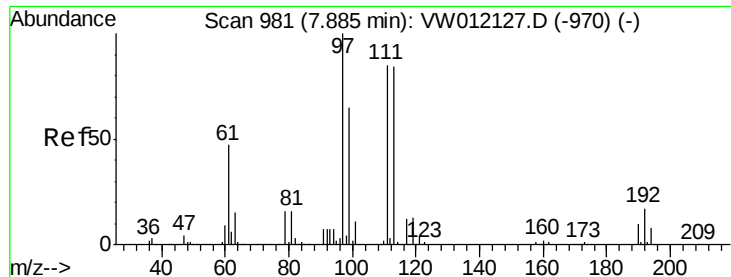
Tgt Ion: 65 Resp: 160701
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012580.D
 Acq: 04 Sep 2019 06:58

Tgt Ion: 114 Resp: 384490
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 48.6
 88 17.6 0.0 32.2

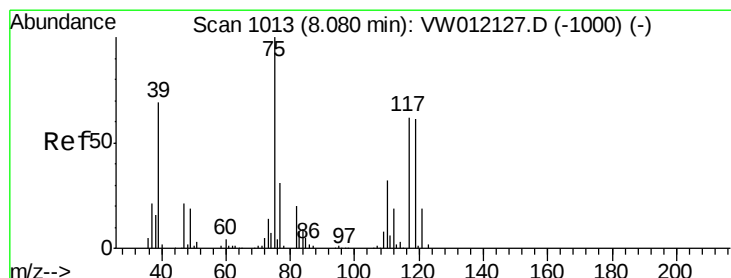
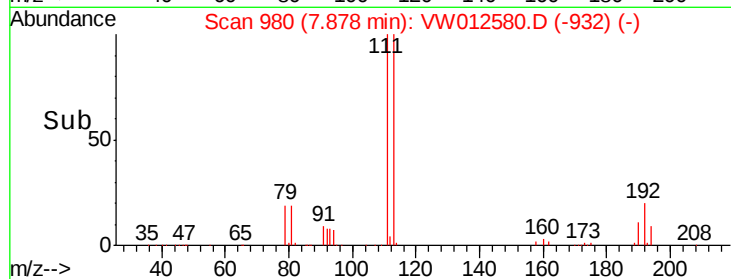
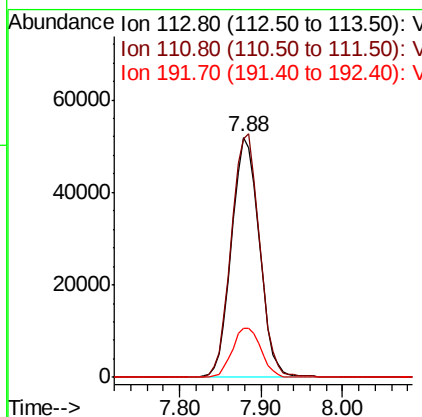
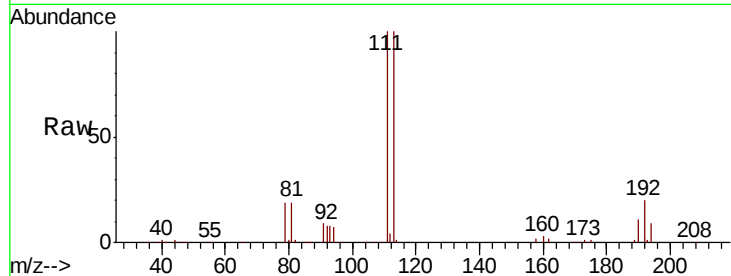




#35
 Dibromofluoromethane
 Concen: 53.131 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012580.D
 Acq: 04 Sep 2019 06:58

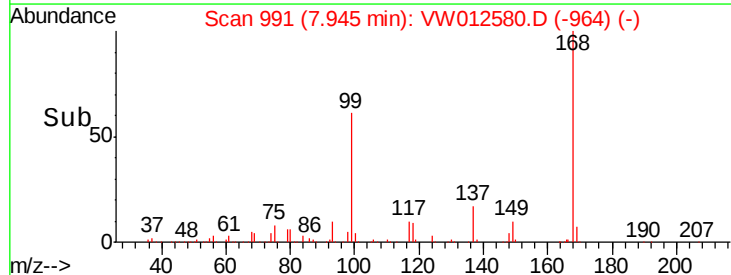
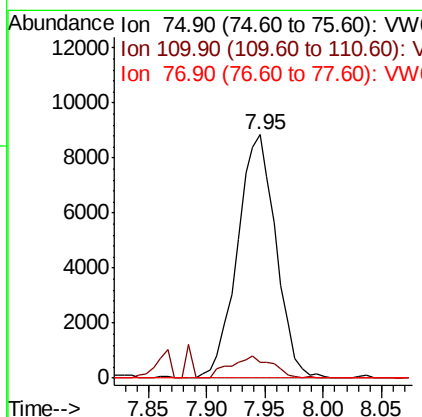
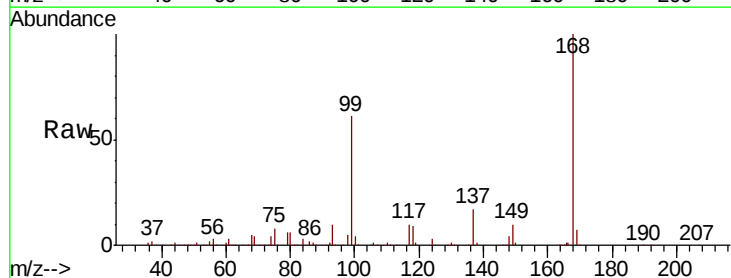
Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-B1-(1.9)

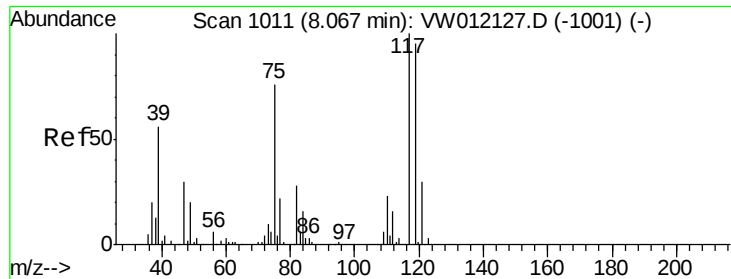
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.7	124.1
192	21.1	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.125 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012580.D
 Acq: 04 Sep 2019 06:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	15.6	46.8#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 7.088 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012580.D

Acq: 04 Sep 2019 06:58

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-B1-(1.9)

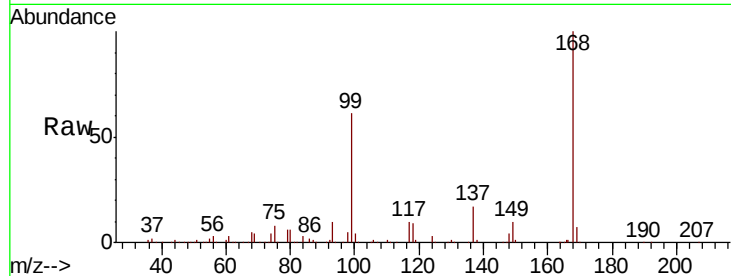
Tgt Ion:117 Resp: 24374

Ion Ratio Lower Upper

117 100

119 7.4 76.2 114.2#

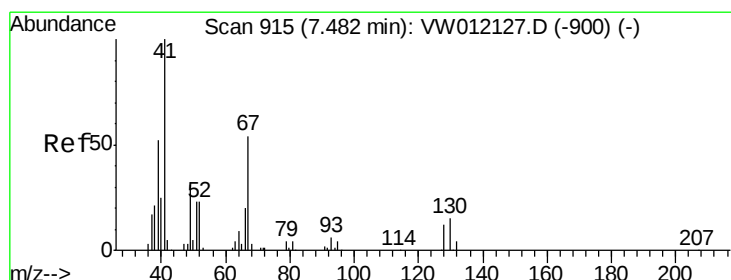
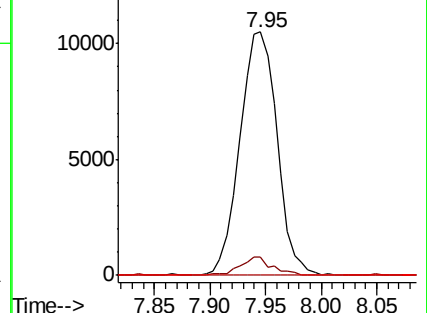
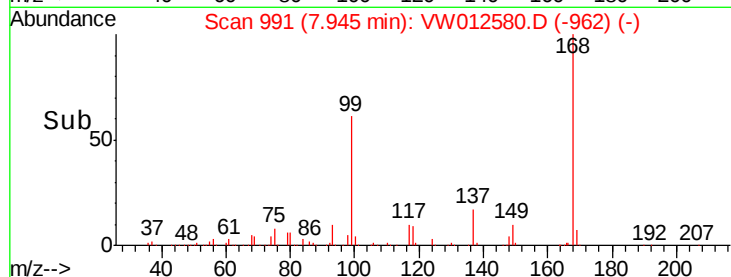
121 0.0 23.8 35.8#



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



#41

Methacrylonitrile

Concen: 3.041 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012580.D

Acq: 04 Sep 2019 06:58

Tgt Ion: 41 Resp: 3891

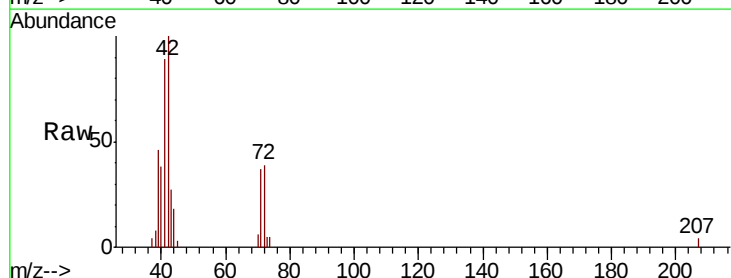
Ion Ratio Lower Upper

41 100

39 56.5 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

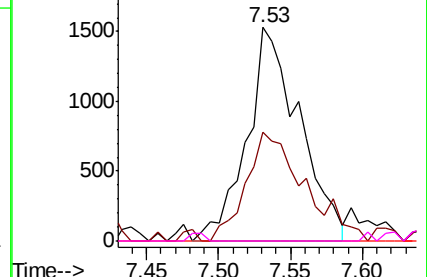
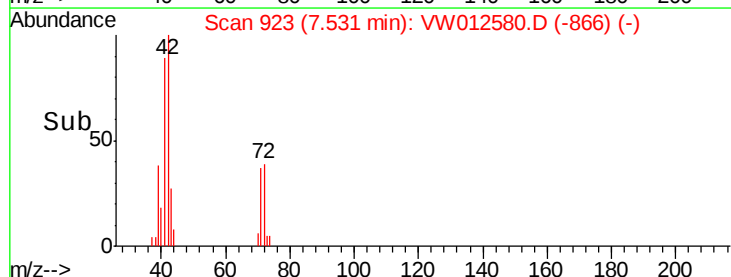


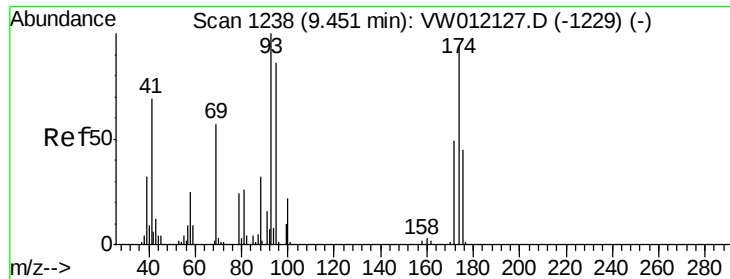
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

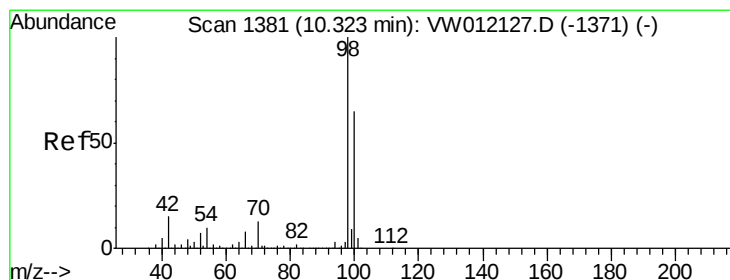
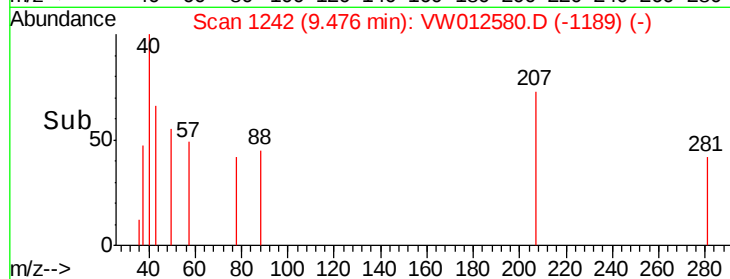
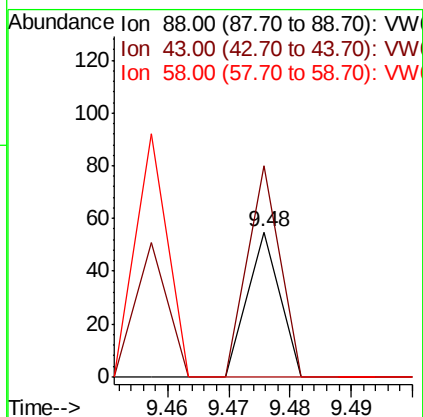
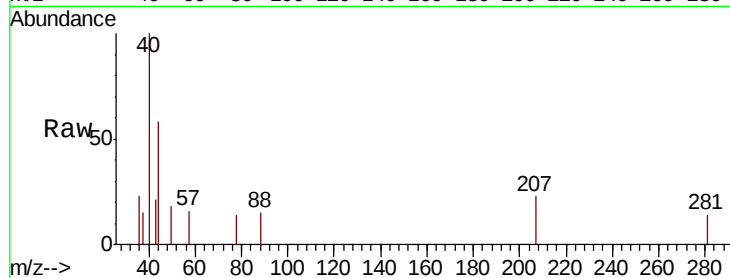




#49
1,4-Dioxane
Concen: 1.006 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.02 min
Lab File: VW012580.D
Acq: 04 Sep 2019 06:58

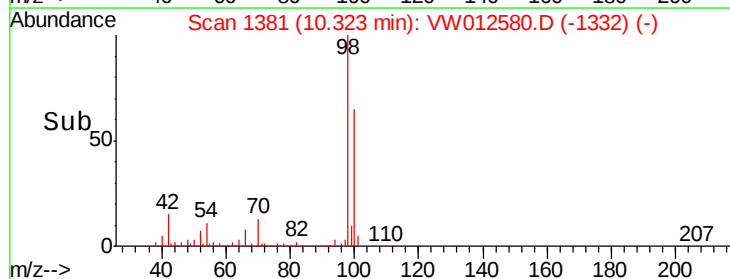
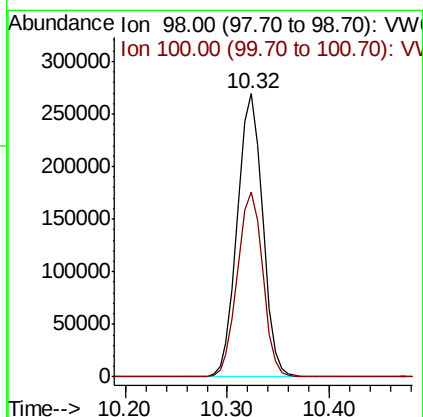
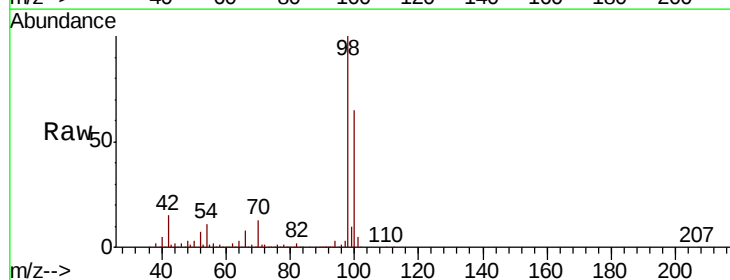
Instrument :
MSVOA_W
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T9-12-13-B1-(1.9)

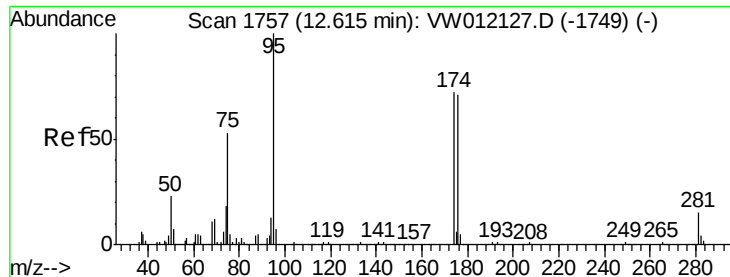
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 145.0 32.9 49.3#
58 0.0 71.0 106.4#



#50
Toluene-d8
Concen: 49.762 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012580.D
Acq: 04 Sep 2019 06:58

Tgt Ion: 98 Resp: 463074
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6

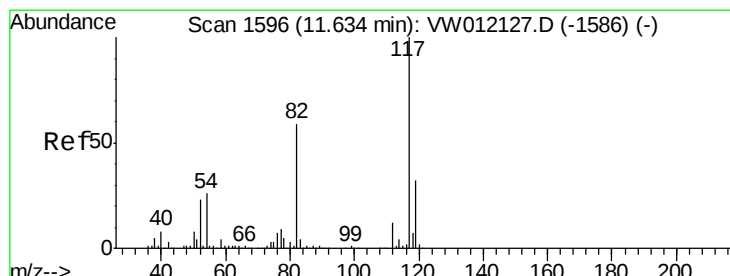
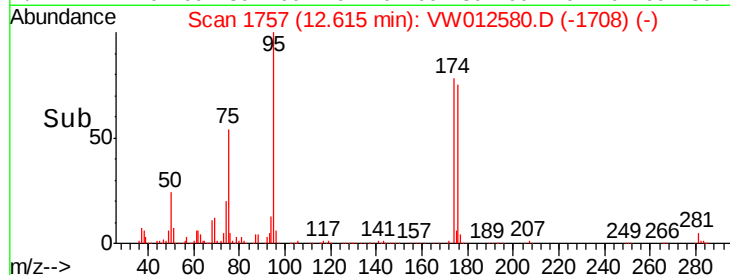
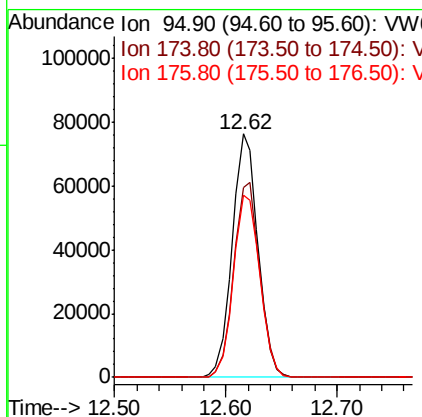
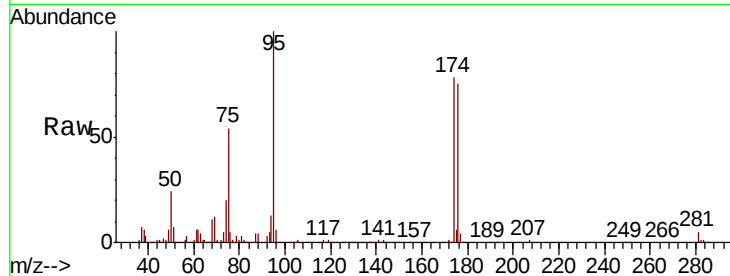




#62
4-Bromofluorobenzene
Concen: 37.267 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012580.D
Acq: 04 Sep 2019 06:58

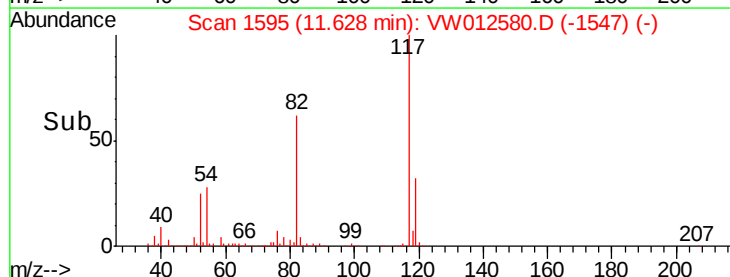
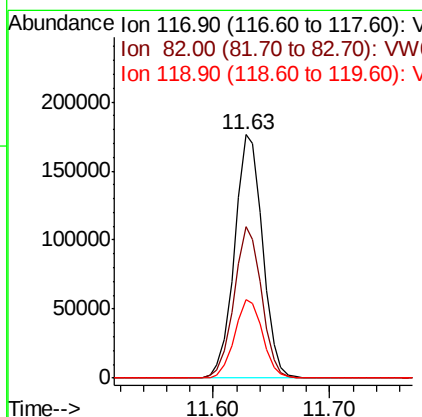
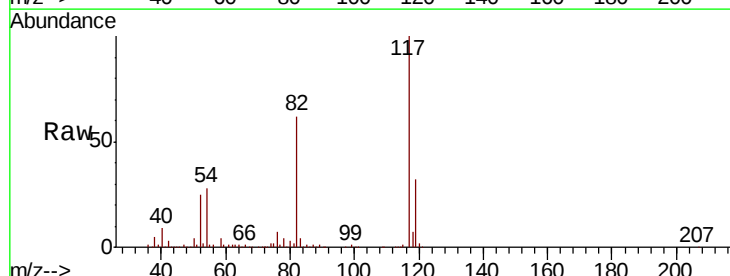
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-B1-(1.9)

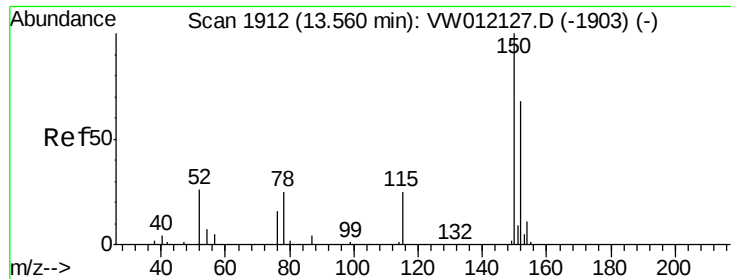
Tgt Ion: 95 Resp: 122244
Ion Ratio Lower Upper
95 100
174 80.7 0.0 150.8
176 76.9 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012580.D
Acq: 04 Sep 2019 06:58

Tgt Ion: 117 Resp: 295766
Ion Ratio Lower Upper
117 100
82 62.1 47.4 71.2
119 32.0 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: VW012580.D

Acq: 04 Sep 2019 06:58

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-B1-(1.9)

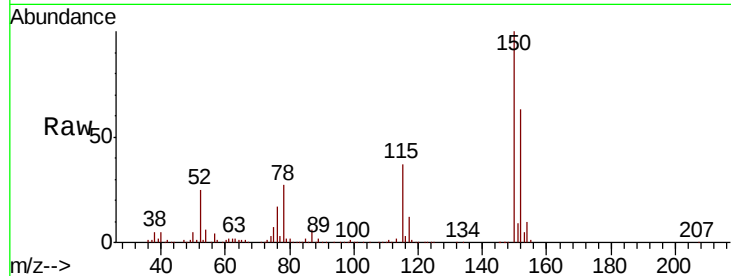
Tgt Ion:152 Resp: 96782

Ion Ratio Lower Upper

152 100

115 60.8 30.1 90.3

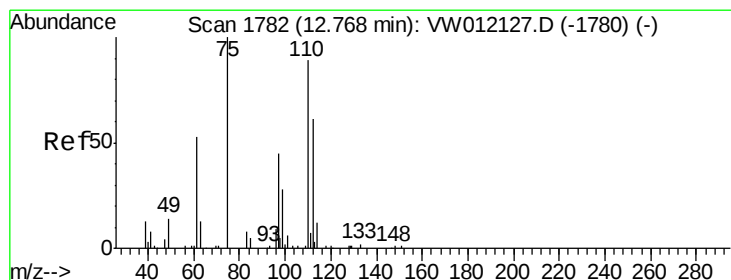
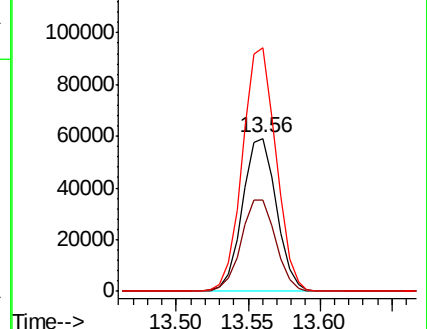
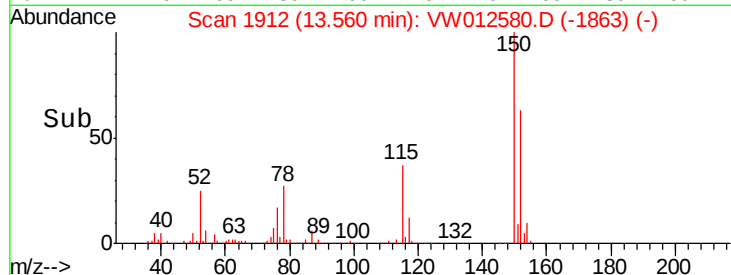
150 157.9 0.0 345.8



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: 71.901 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012580.D

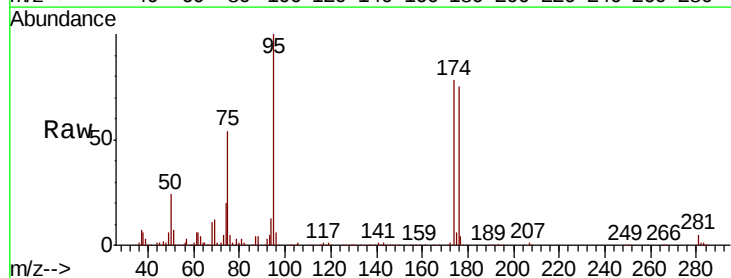
Acq: 04 Sep 2019 06:58

Tgt Ion: 75 Resp: 67773

Ion Ratio Lower Upper

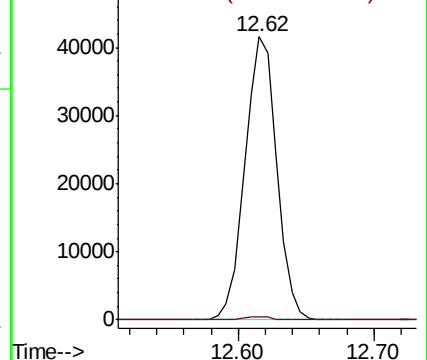
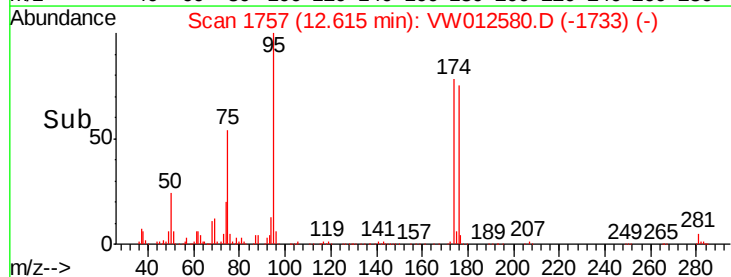
75 100

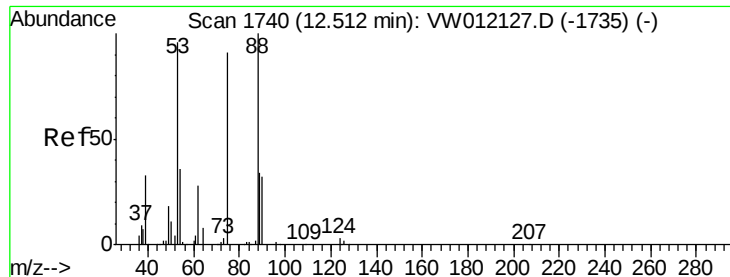
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

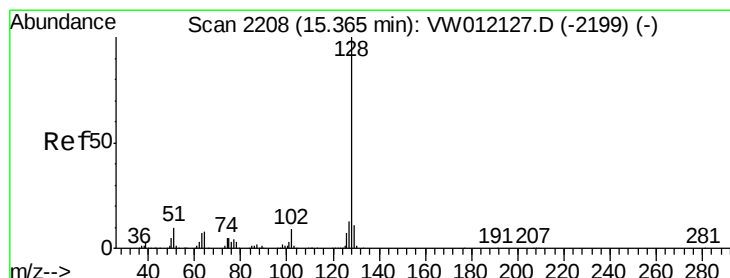
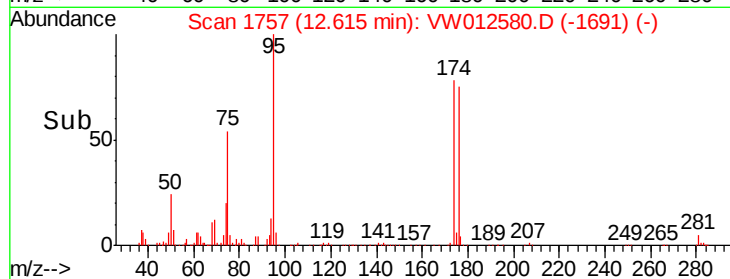
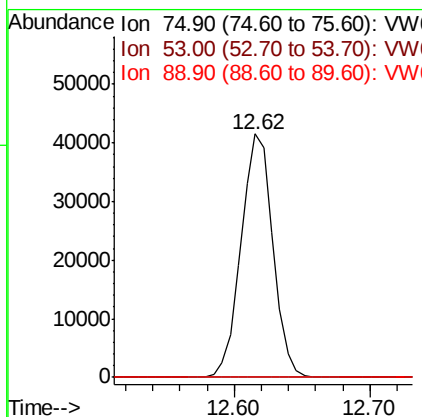
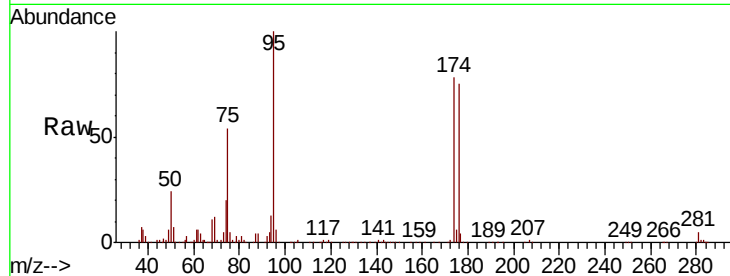




#81
trans-1,4-Dichloro-2-butene
Concen: 157.646 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012580.D
Acq: 04 Sep 2019 06:58

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-B1-(1.9)

Tgt Ion: 75 Resp: 67773
Ion Ratio Lower Upper
75 100
53 0.2 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.338 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW012580.D
Acq: 04 Sep 2019 06:58

Tgt Ion: 128 Resp: 69
Ion Ratio Lower Upper
128 100
127 47.8 10.7 16.1#
129 0.0 8.7 13.1#

