

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090319\
 Data File : VW012575.D
 Acq On : 04 Sep 2019 04:49
 Operator : SY/VA
 Sample : K4525-09
 Misc : 2.88G/5ML/MSVOA_W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-A4-(1.9)

Quant Time: Sep 04 06:54:04 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	232842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	377224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	304123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	112505	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	155053	56.02	ug/l	0.00
Spiked Amount			Recovery	=	112.04%	
35) Dibromofluoromethane	7.88	113	118966	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	
50) Toluene-d8	10.32	98	458137	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.62	95	134612	41.83	ug/l	0.00
Spiked Amount			Recovery	=	83.66%	

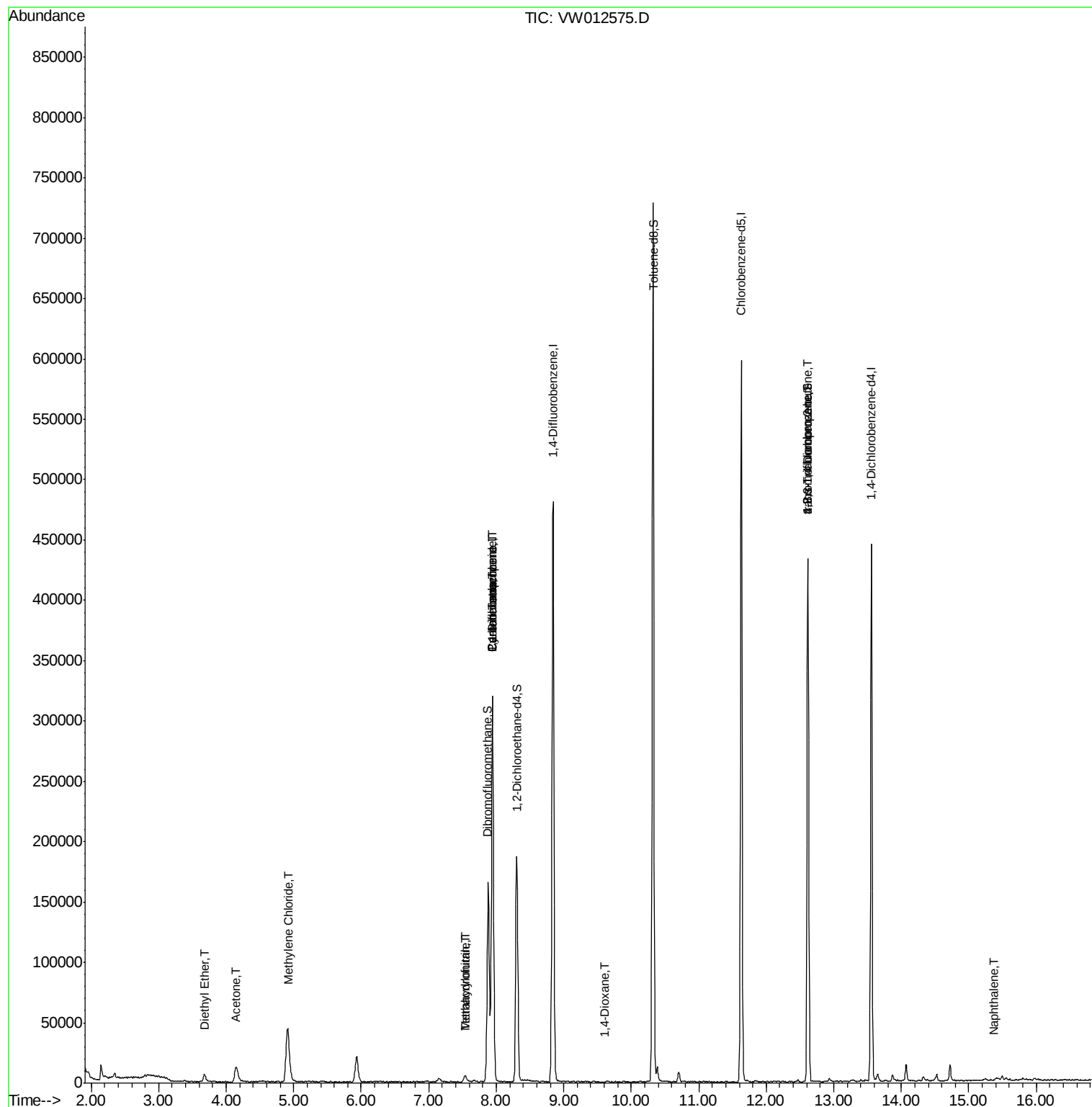
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	3073	2.372	ug/l	85
16) Acetone	4.15	43	28260	39.941	ug/l	93
20) Methylene Chloride	4.91	84	34888	13.043	ug/l	99
29) Tetrahydrofuran	7.55	42	5236	9.077	ug/l	98
31) Cyclohexane	7.95	56	6087	1.221	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20203	5.183	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23995	7.112	ug/l #	16
41) Methacrylonitrile	7.54	41	3106	2.474	ug/l #	58
49) 1,4-Dioxane	9.61	88	46	2.357	ug/l #	6
76) 1,2,3-Trichloropropane	12.62	75	74981	68.431	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74981	150.037	ug/l #	6
95) Naphthalene	15.36	128	159	4.355	ug/l #	69

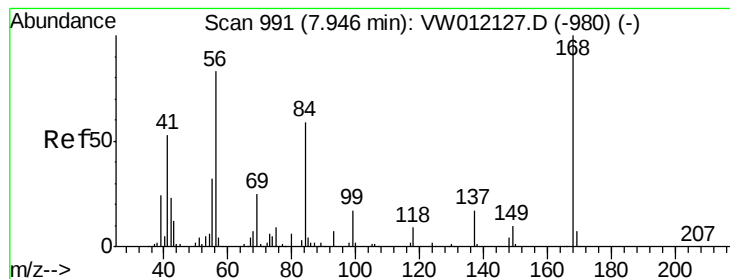
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090319\
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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: VW012575.D

Acq: 04 Sep 2019 04:49

Instrument :

MSVOA_W

ClientSampleId :

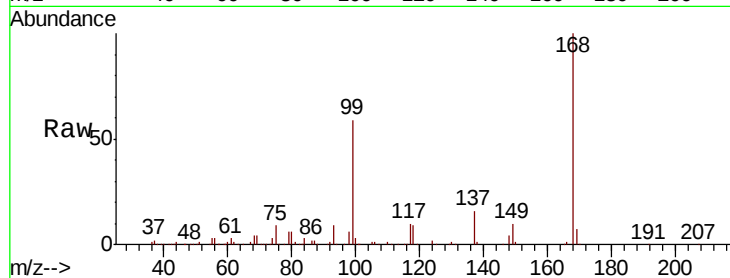
T9-12-13-A4-(1.9)

Tgt Ion:168 Resp: 232842

Ion Ratio Lower Upper

168 100

99 59.2 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

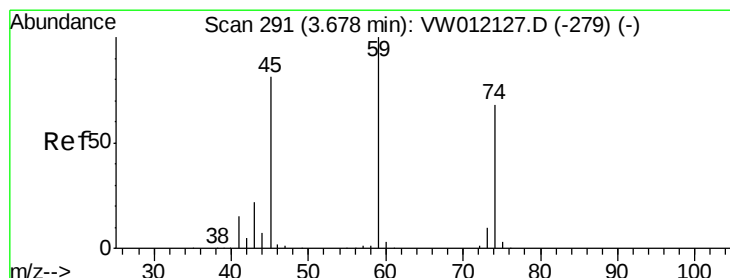
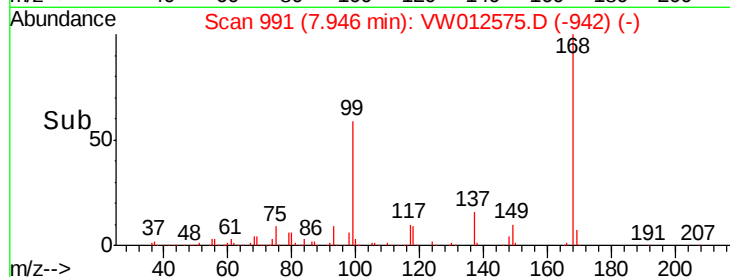
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.372 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012575.D

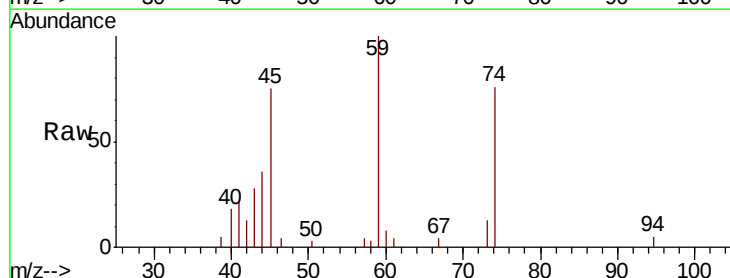
Acq: 04 Sep 2019 04:49

Tgt Ion: 74 Resp: 3073

Ion Ratio Lower Upper

74 100

45 135.1 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

2000

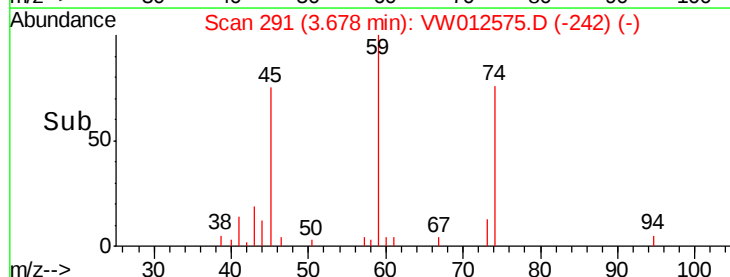
1500

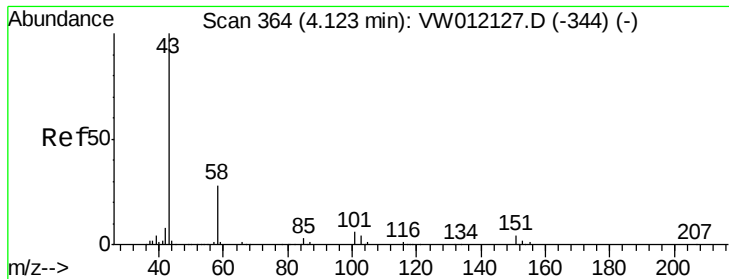
1000

500

0

Time-->





#16

Acetone

Concen: 39.941 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.03 min

Lab File: VW012575.D

Acq: 04 Sep 2019 04:49

Instrument :

MSVOA_W

ClientSampleId :

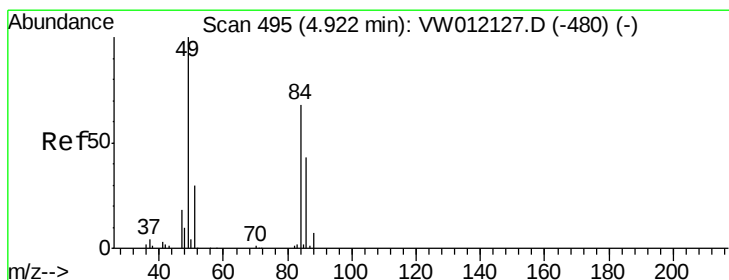
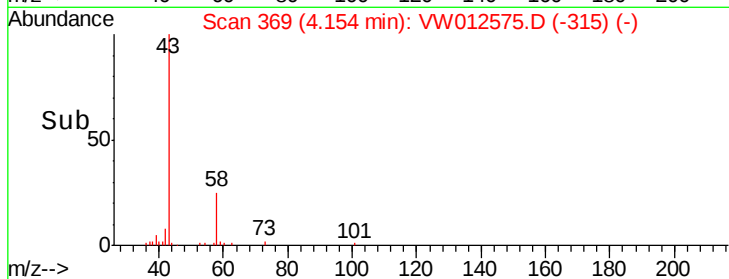
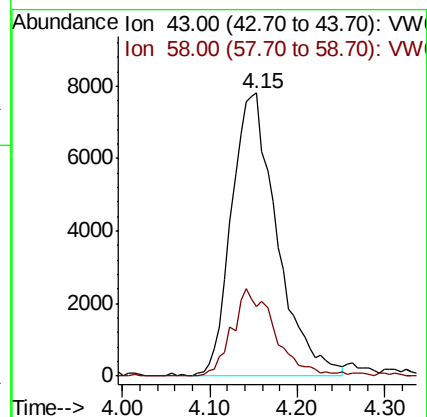
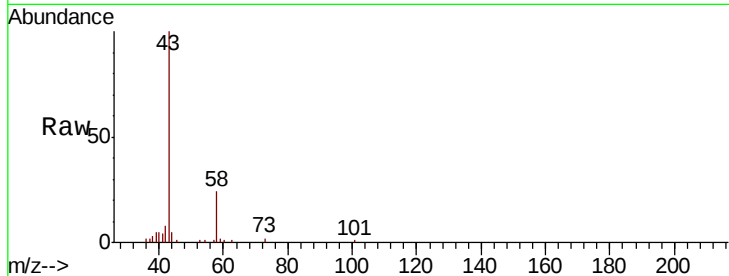
T9-12-13-A4-(1.9)

Tgt Ion: 43 Resp: 28260

Ion Ratio Lower Upper

43 100

58 24.4 22.4 33.6



#20

Methylene Chloride

Concen: 13.043 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012575.D

Acq: 04 Sep 2019 04:49

Tgt Ion: 84 Resp: 34888

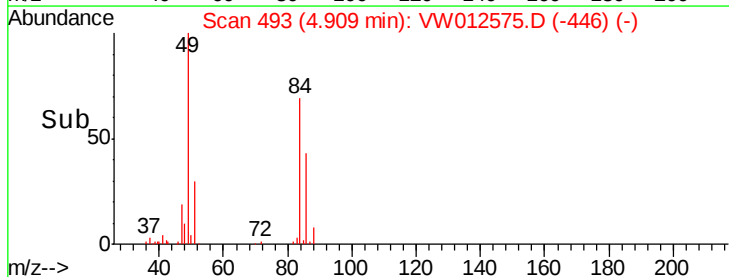
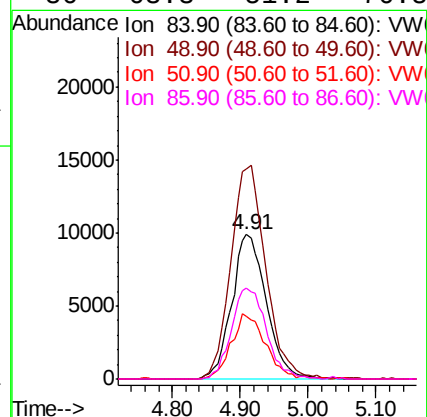
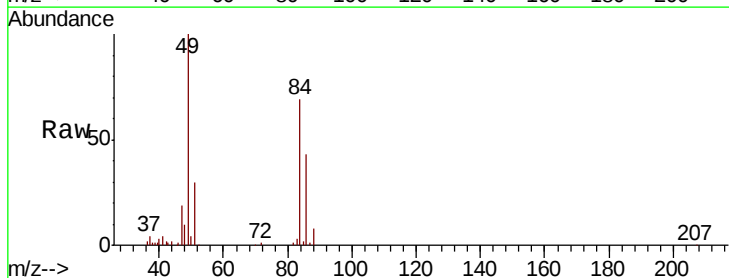
Ion Ratio Lower Upper

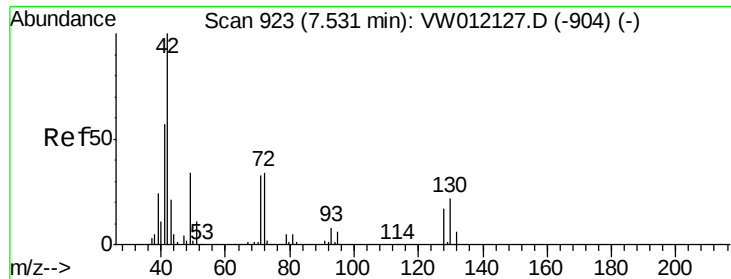
84 100

49 145.9 117.8 176.8

51 43.6 35.6 53.4

86 63.3 51.2 76.8

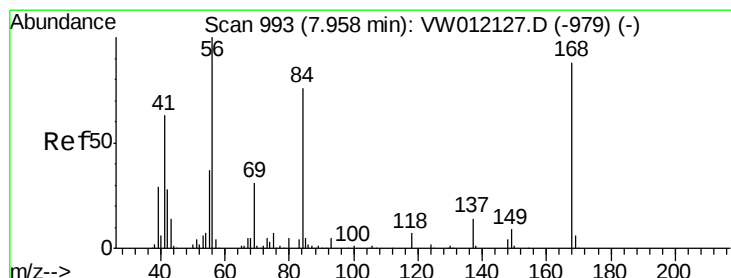
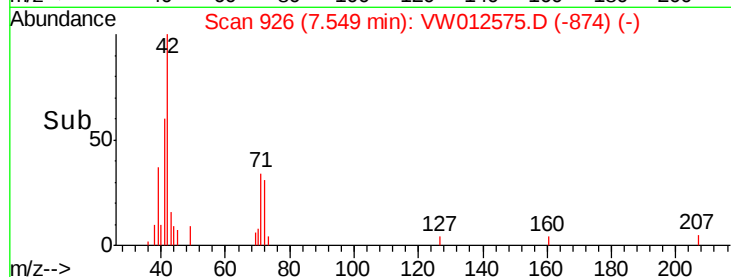
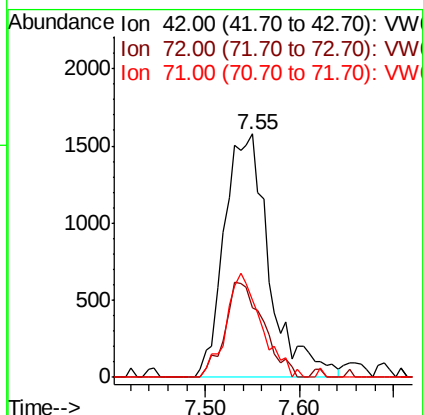
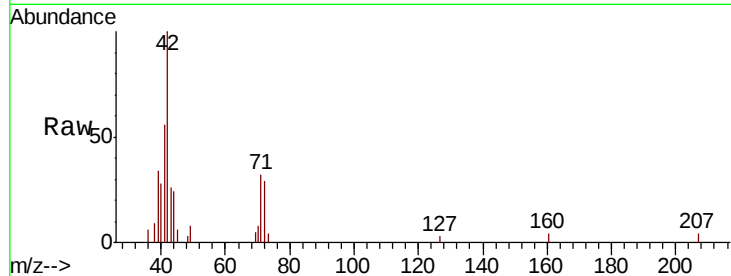




#29
Tetrahydrofuran
Concen: 9.077 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW012575.D
Acq: 04 Sep 2019 04:49

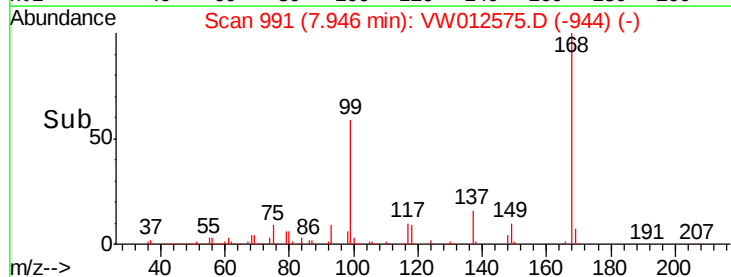
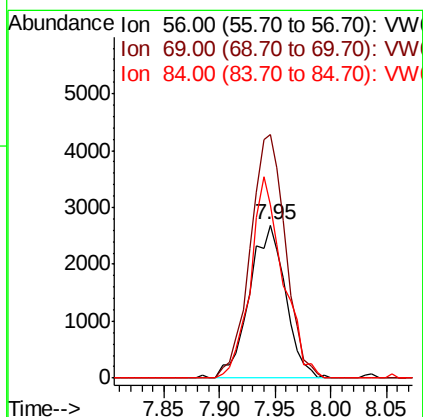
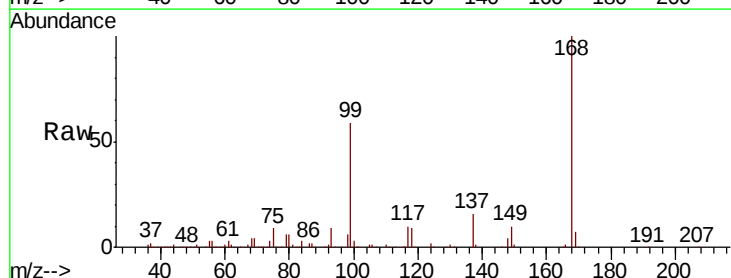
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-A4-(1.9)

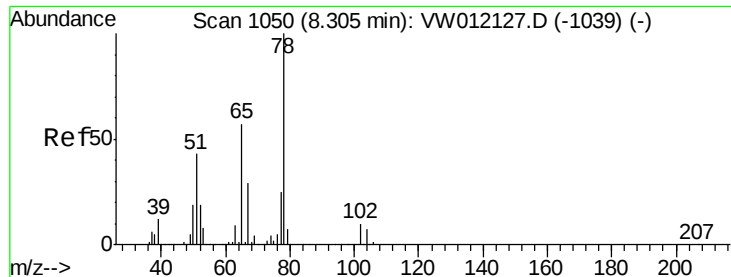
Tgt Ion: 42 Resp: 5236
Ion Ratio Lower Upper
42 100
72 33.3 27.3 40.9
71 33.4 25.5 38.3



#31
Cyclohexane
Concen: 1.221 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012575.D
Acq: 04 Sep 2019 04:49

Tgt Ion: 56 Resp: 6087
Ion Ratio Lower Upper
56 100
69 159.3 24.9 37.3#
84 113.6 60.6 90.8#

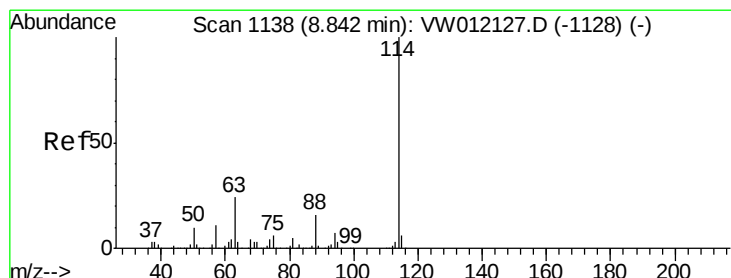
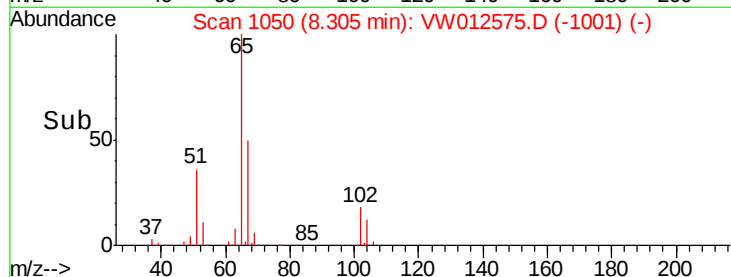
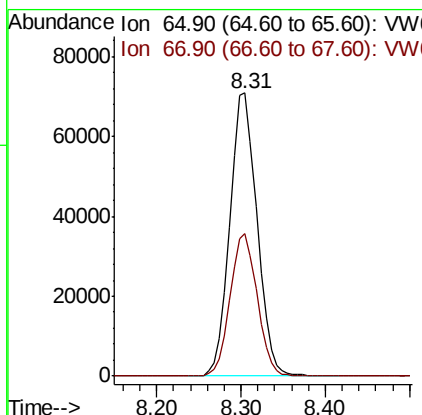
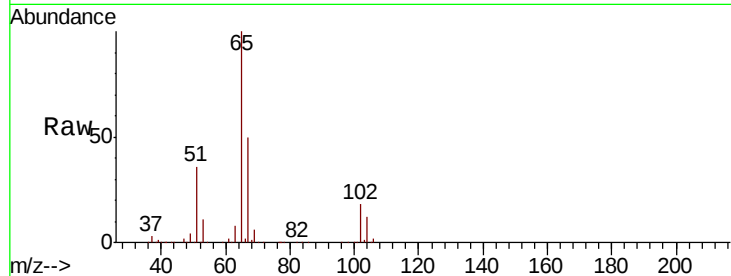




#33
 1,2-Dichloroethane-d4
 Concen: 56.018 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012575.D
 Acq: 04 Sep 2019 04:49

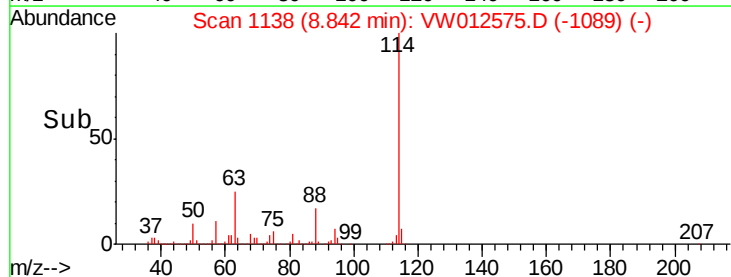
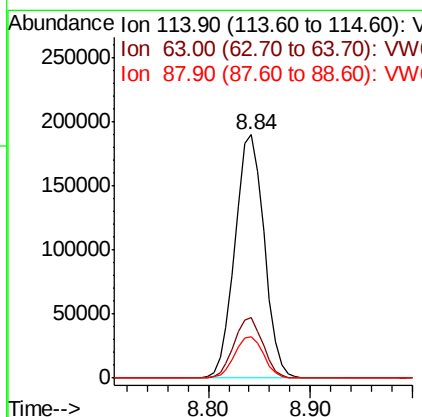
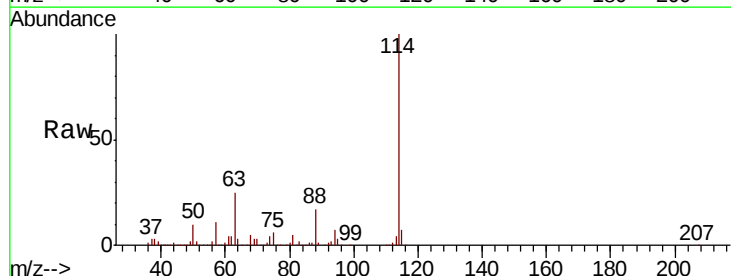
Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-A4-(1.9)

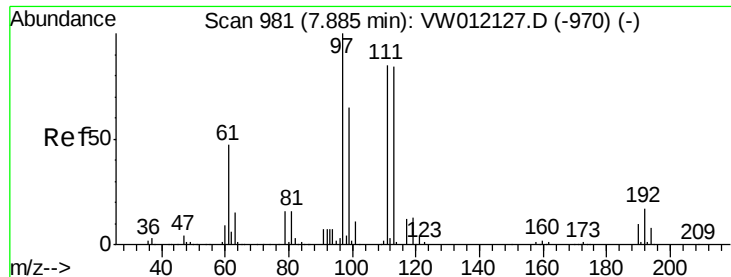
Tgt Ion: 65 Resp: 155053
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012575.D
 Acq: 04 Sep 2019 04:49

Tgt Ion: 114 Resp: 377224
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 48.6
 88 17.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 52.835 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012575.D

Acq: 04 Sep 2019 04:49

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-A4-(1.9)

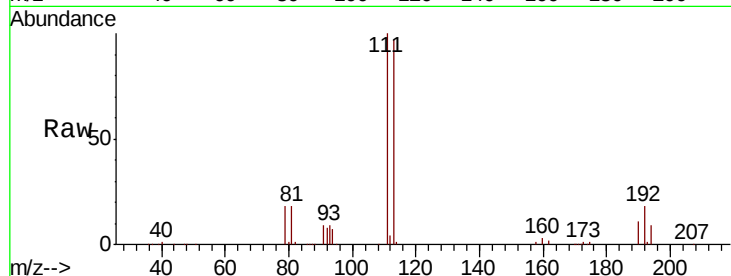
Tgt Ion:113 Resp: 118966

Ion Ratio Lower Upper

113 100

111 101.5 82.7 124.1

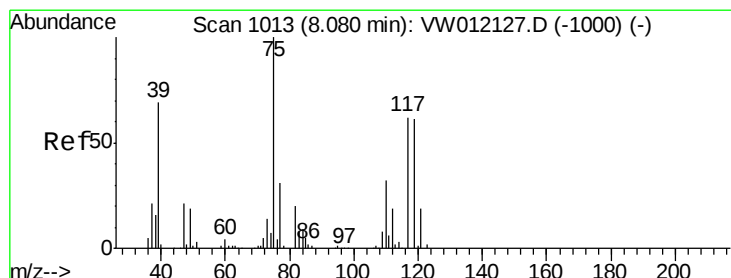
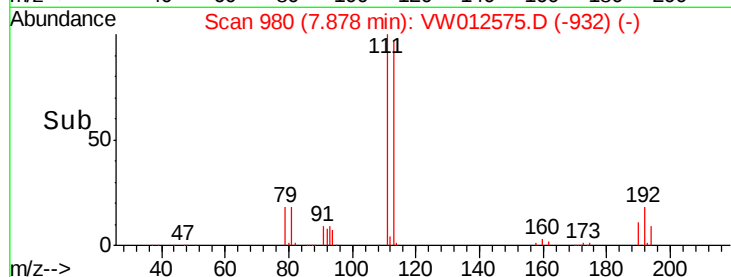
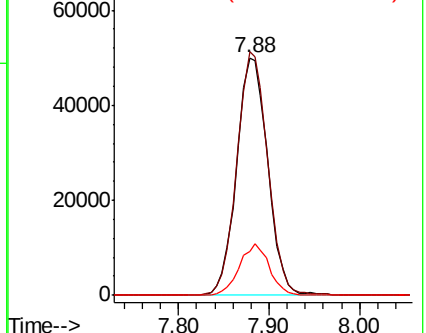
192 20.7 16.2 24.2



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: 5.183 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012575.D

Acq: 04 Sep 2019 04:49

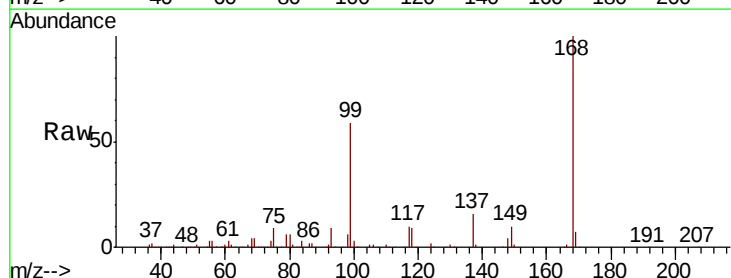
Tgt Ion: 75 Resp: 20203

Ion Ratio Lower Upper

75 100

110 9.0 15.6 46.8#

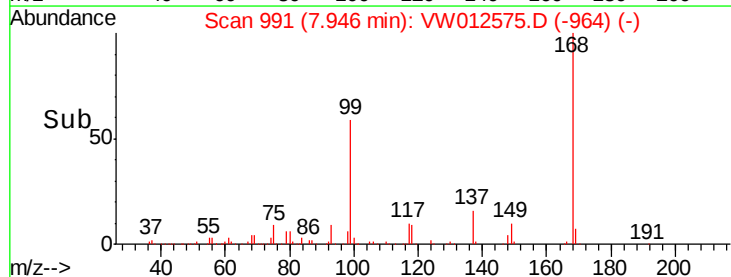
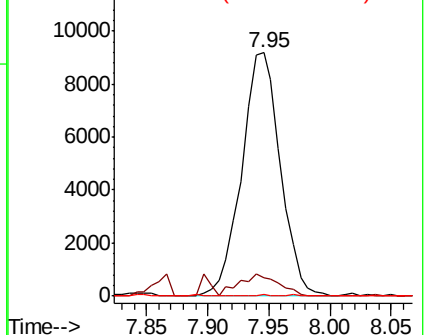
77 0.1 24.6 36.8#

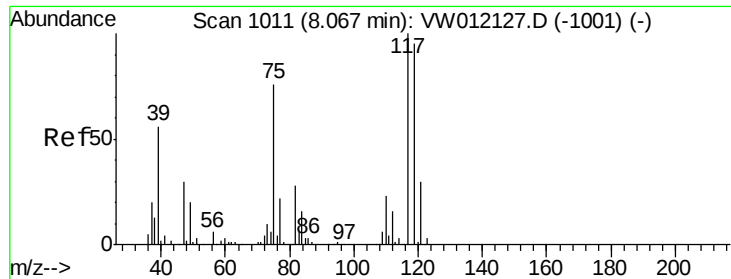


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

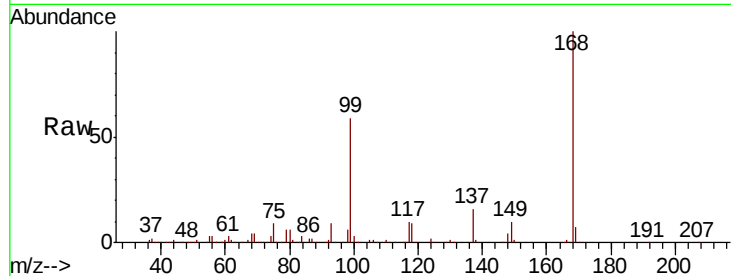




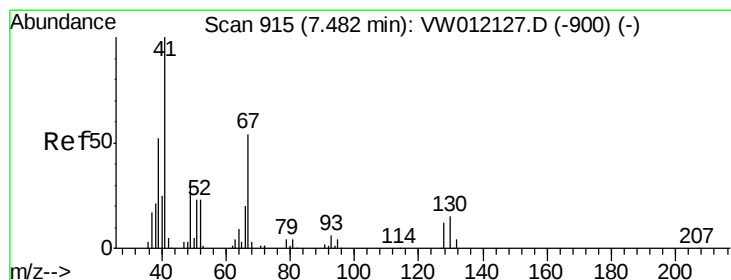
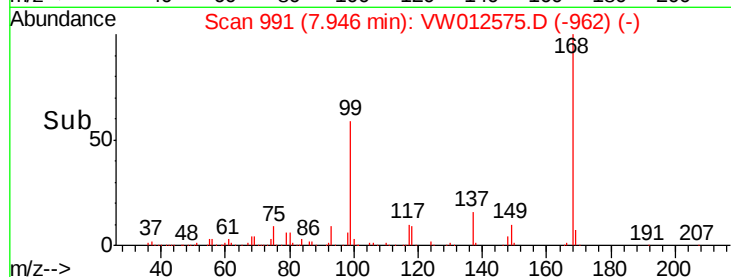
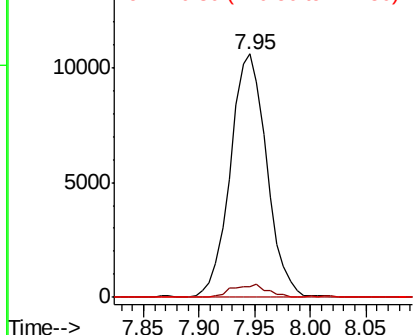
#38
Carbon Tetrachloride
Concen: 7.112 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012575.D
Acq: 04 Sep 2019 04:49

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-A4-(1.9)

Tgt Ion: 117 Resp: 23995
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 23.8 35.8#

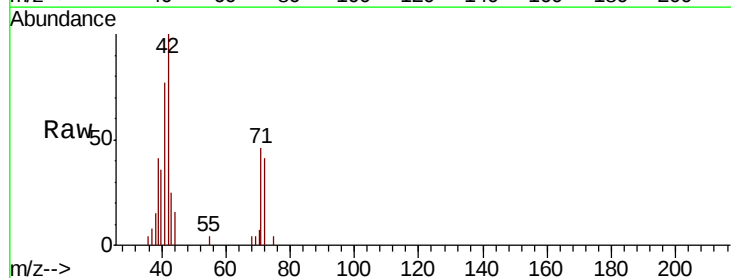


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

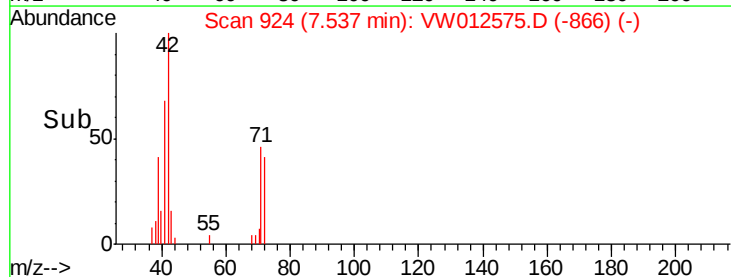
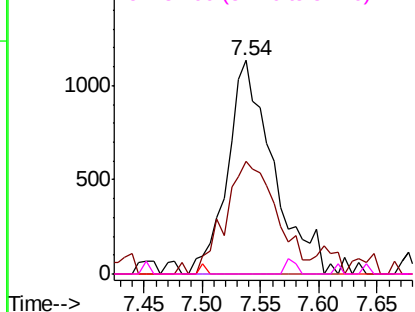


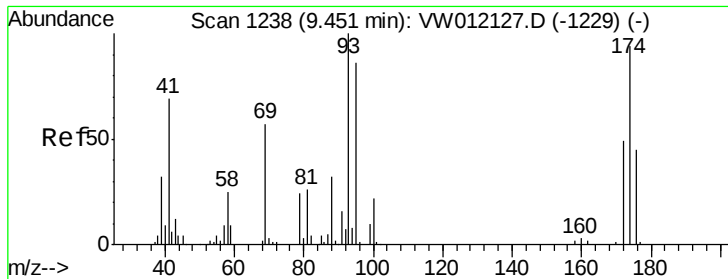
#41
Methacrylonitrile
Concen: 2.474 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012575.D
Acq: 04 Sep 2019 04:49

Tgt Ion: 41 Resp: 3106
Ion Ratio Lower Upper
41 100
39 59.1 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

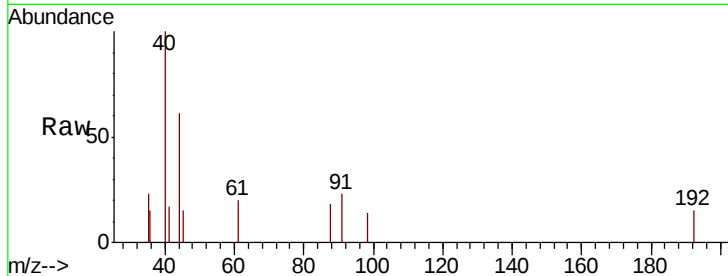




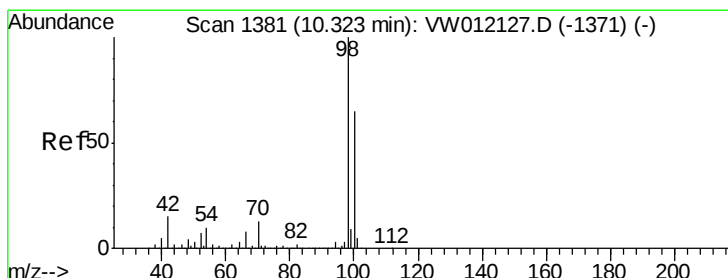
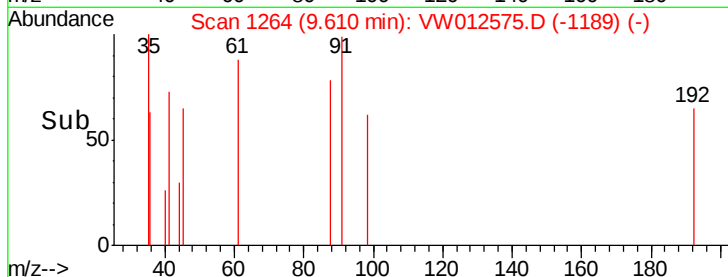
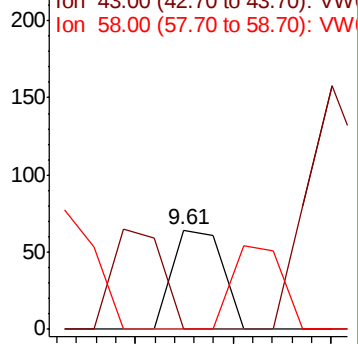
#49
1,4-Dioxane
Concen: 2.357 ug/l
RT: 9.61 min Scan# 1264
Delta R.T. 0.16 min
Lab File: VW012575.D
Acq: 04 Sep 2019 04:49

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-A4-(1.9)

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 97.8 32.9 49.3#
58 0.0 71.0 106.4#

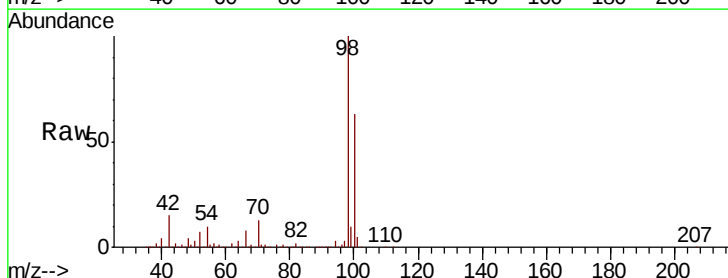


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

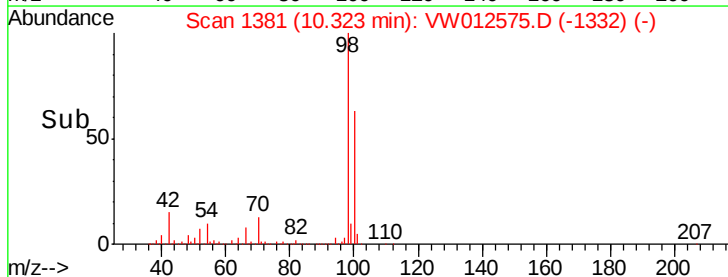
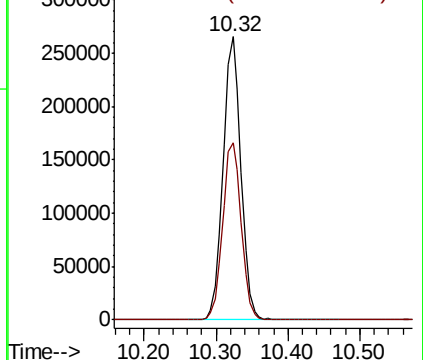


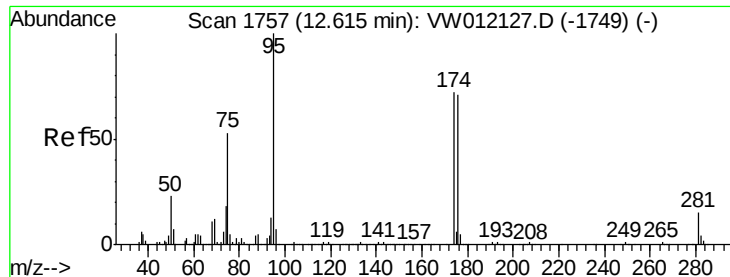
#50
Toluene-d8
Concen: 50.180 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012575.D
Acq: 04 Sep 2019 04:49

Tgt Ion: 98 Resp: 458137
Ion Ratio Lower Upper
98 100
100 64.6 52.4 78.6



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

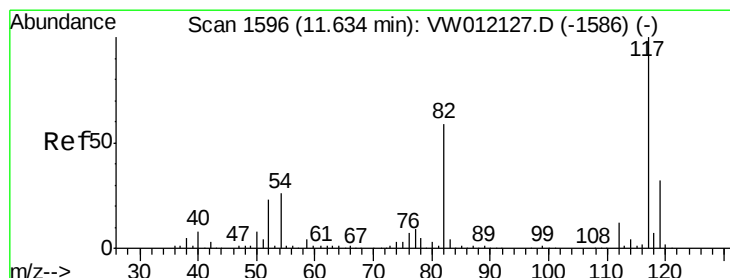
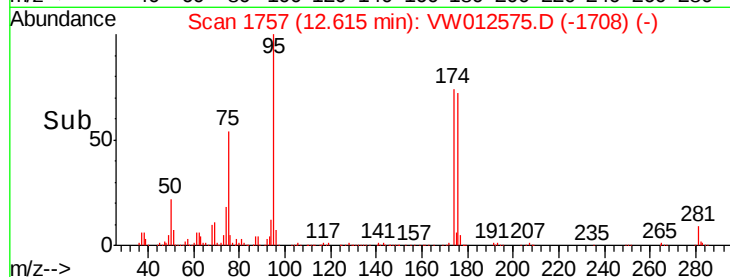
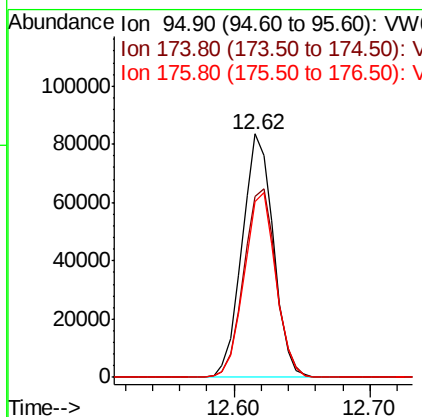
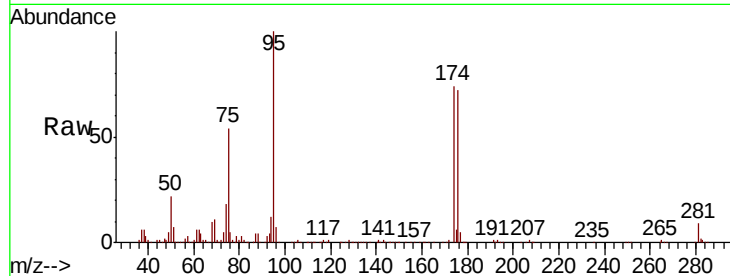




#62
4-Bromofluorobenzene
Concen: 41.828 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012575.D
Acq: 04 Sep 2019 04:49

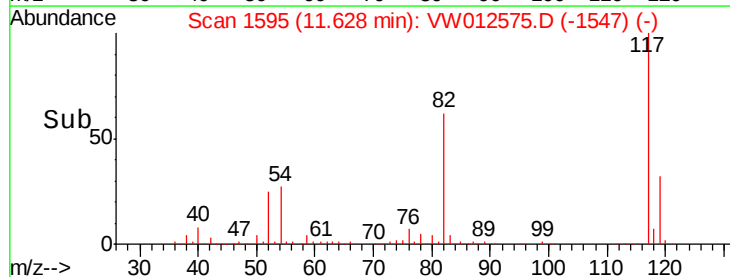
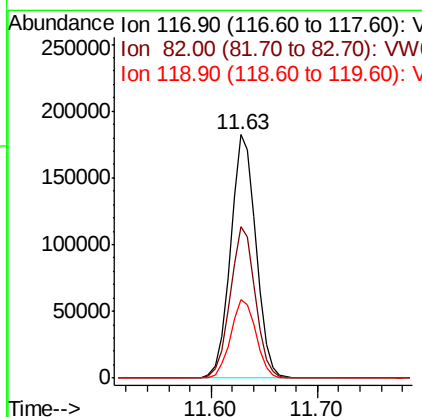
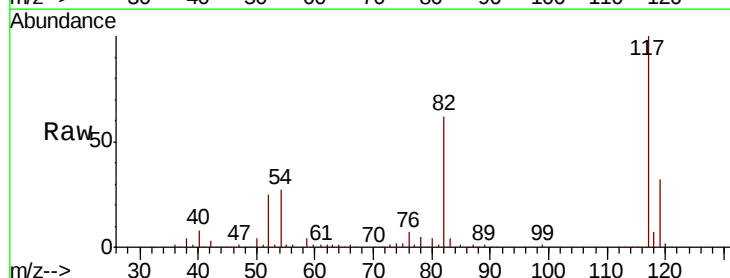
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-A4-(1.9)

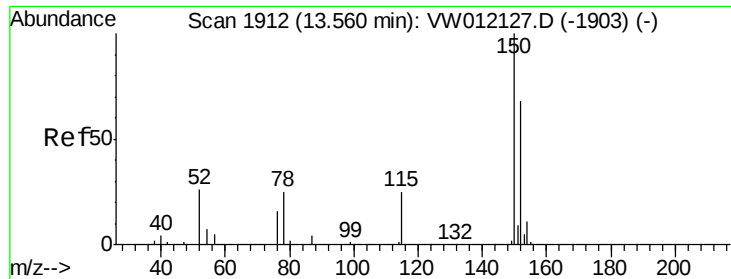
Tgt Ion: 95 Resp: 134612
Ion Ratio Lower Upper
95 100
174 79.7 0.0 150.8
176 76.9 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012575.D
Acq: 04 Sep 2019 04:49

Tgt Ion: 117 Resp: 304123
Ion Ratio Lower Upper
117 100
82 62.3 47.4 71.2
119 32.1 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: VW012575.D

Acq: 04 Sep 2019 04:49

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-A4-(1.9)

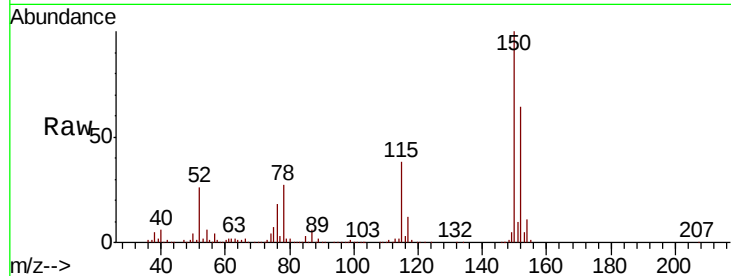
Tgt Ion:152 Resp: 112505

Ion Ratio Lower Upper

152 100

115 59.9 30.1 90.3

150 155.8 0.0 345.8

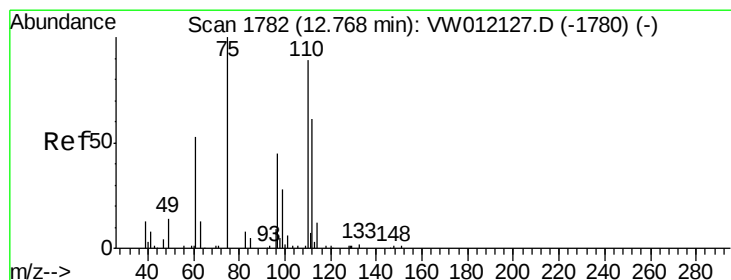
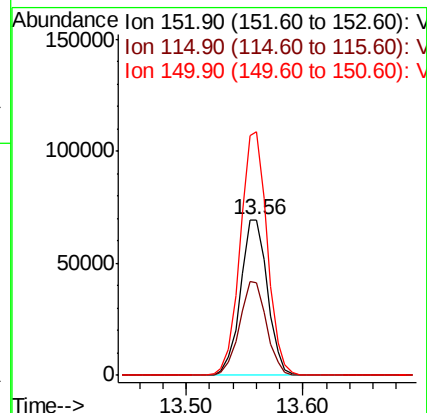
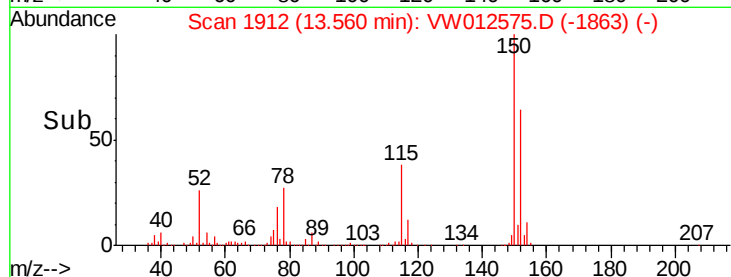


Abundance

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: 68.431 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012575.D

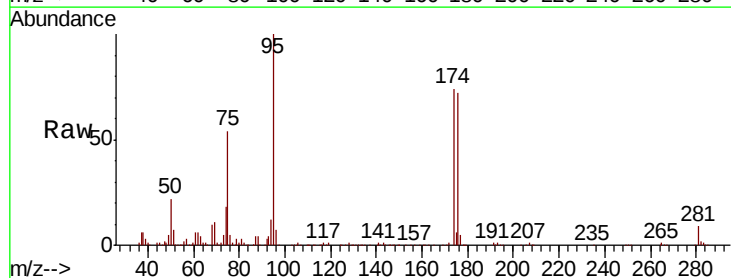
Acq: 04 Sep 2019 04:49

Tgt Ion: 75 Resp: 74981

Ion Ratio Lower Upper

75 100

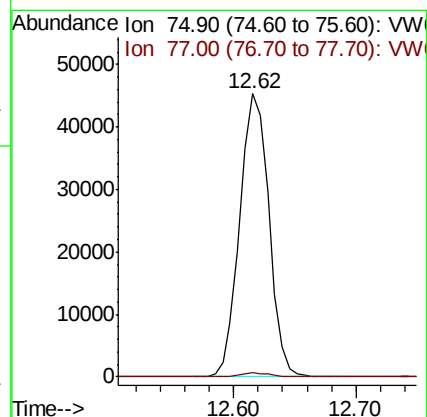
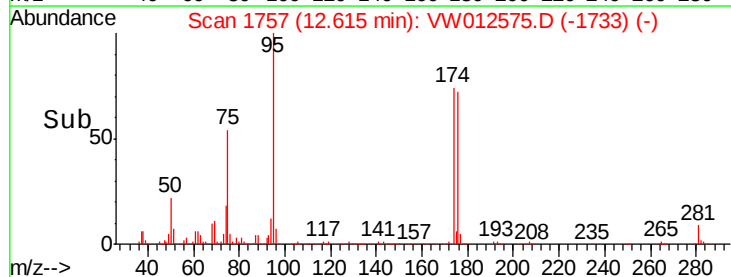
77 1.4 0.0 0.0#

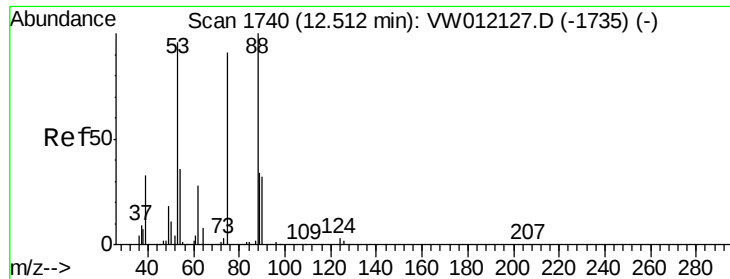


Abundance

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: 150.037 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012575.D

Acq: 04 Sep 2019 04:49

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-A4-(1.9)

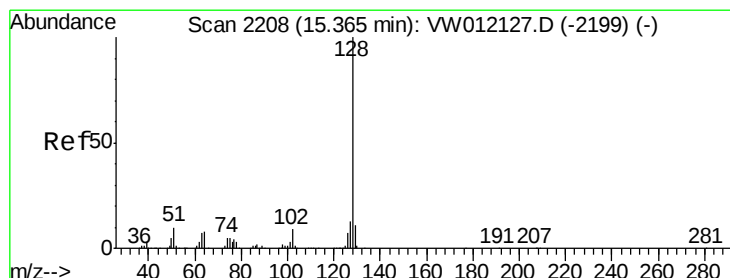
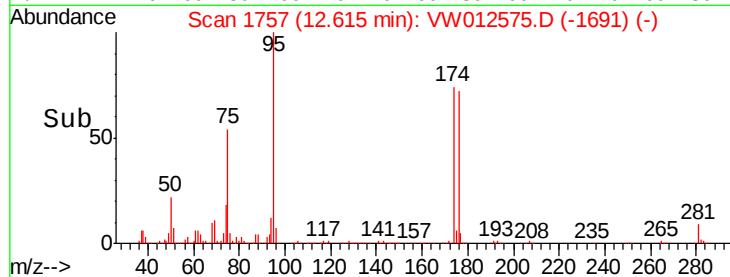
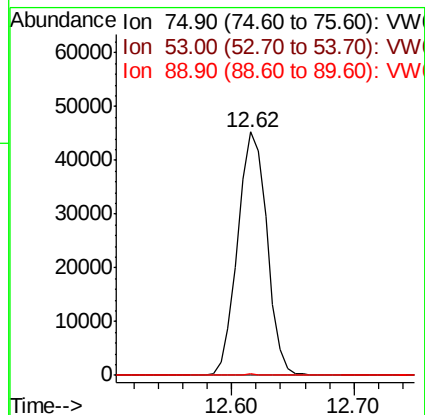
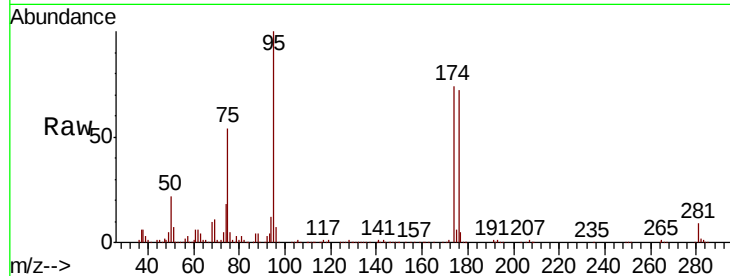
Tgt Ion: 75 Resp: 74981

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.2 34.5 51.7#



#95

Naphthalene

Concen: 4.355 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012575.D

Acq: 04 Sep 2019 04:49

Tgt Ion: 128 Resp: 159

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#

