

Data File : VW012697.D
Acq On : 06 Sep 2019 17:42
Operator : SY/VA
Sample : K4580-20
Misc : 3.67G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T12-A2-(3.5)

Quant Time: Sep 07 04:41:35 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	260872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	415200	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113051	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	155003	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
35) Dibromofluoromethane	7.88	113	119221	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	10.32	98	455598	45.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.68%	
62) 4-Bromofluorobenzene	12.62	95	143700	40.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.14%	

Target Compounds

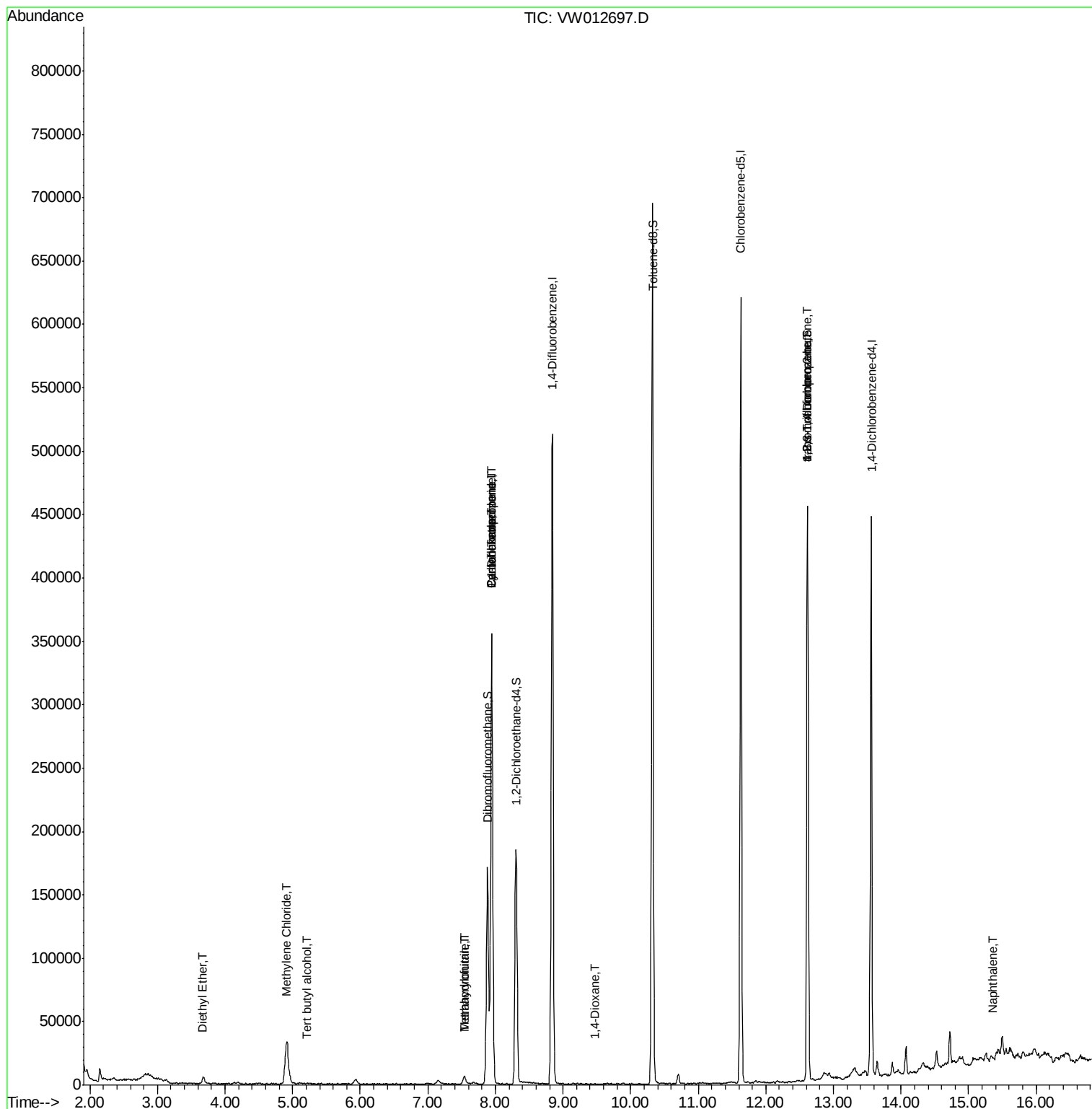
						Qvalue
8) Diethyl Ether	3.67	74	2727	1.878	ug/l	79
11) Tert butyl alcohol	5.21	59	808	4.330	ug/l	100
20) Methylene Chloride	4.91	84	25671	8.566	ug/l	93
29) Tetrahydrofuran	7.55	42	5540	8.572	ug/l	93
31) Cyclohexane	7.95	56	6143	1.100	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21206	4.942	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25964	6.992	ug/l #	16
41) Methacrylonitrile	7.54	41	3268	2.365	ug/l #	56
49) 1,4-Dioxane	9.46	88	38	1.769	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	76854	69.802	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76854	153.042	ug/l #	6
95) Naphthalene	15.36	128	915	4.517	ug/l #	67

(#) = 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

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Acq: 06 Sep 2019 17:42

Instrument :

MSVOA_W

ClientSampleId :

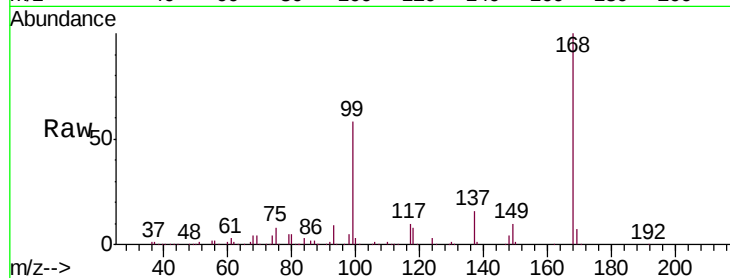
T12-A2-(3.5)

Tgt Ion:168 Resp: 260872

Ion Ratio Lower Upper

168 100

99 57.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

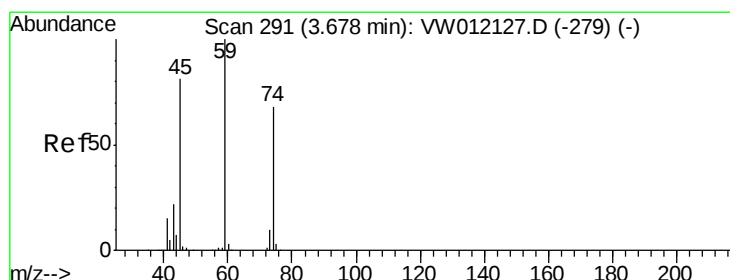
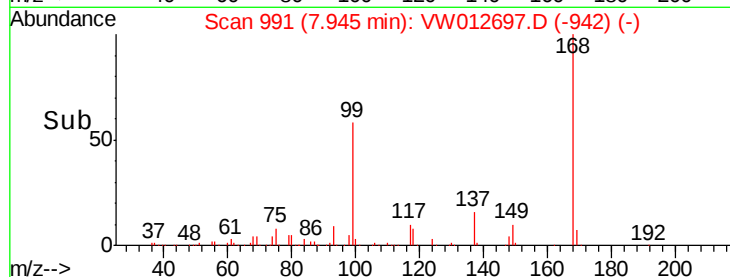
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.878 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012697.D

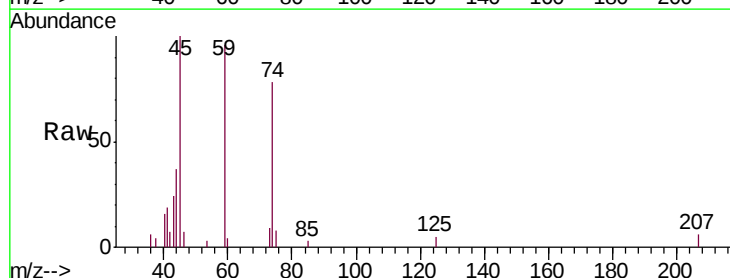
Acq: 06 Sep 2019 17:42

Tgt Ion: 74 Resp: 2727

Ion Ratio Lower Upper

74 100

45 141.5 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

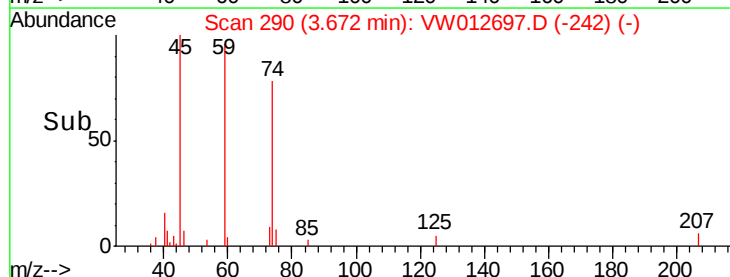
1500

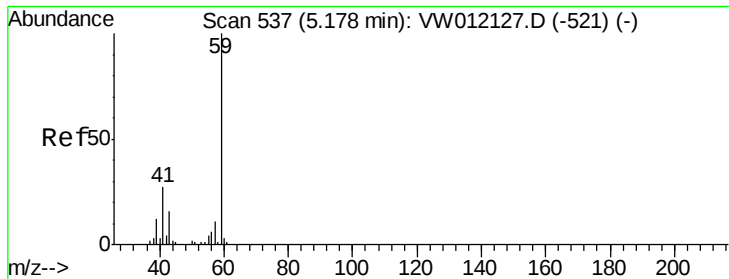
1000

500

0

Time--> 3.60 3.65 3.70 3.75



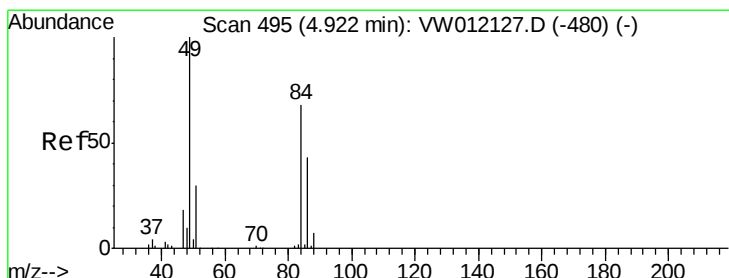
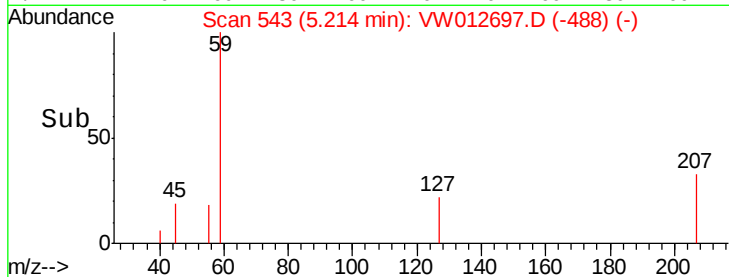
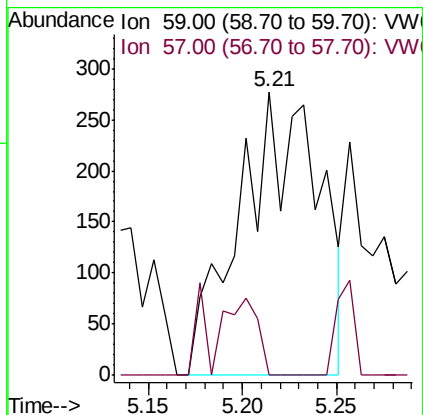
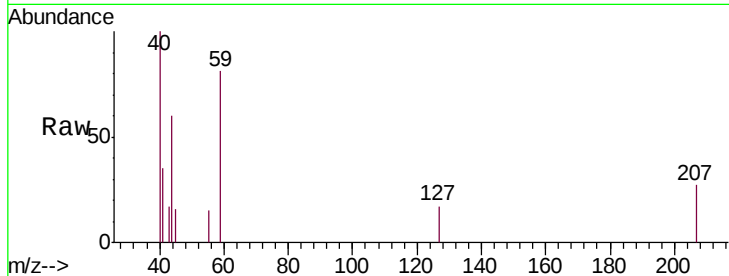


#11

Tert butyl alcohol
 Concen: 4.330 ug/l
 RT: 5.21 min Scan# 543
 Delta R.T. 0.04 min
 Lab File: VW012697.D
 Acq: 06 Sep 2019 17:42

Instrument :
 MSVOA_W
 ClientSampleId :
 T12-A2-(3.5)

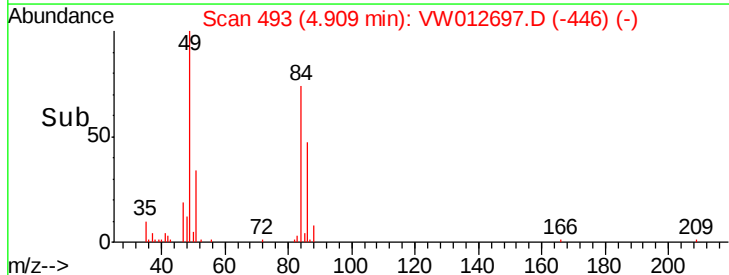
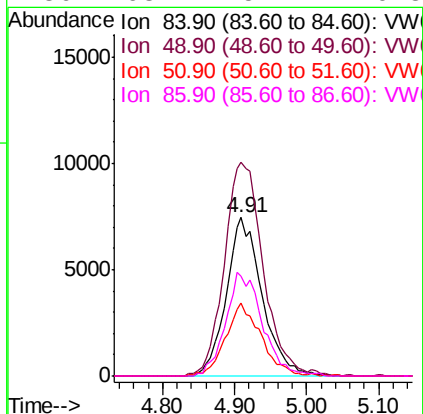
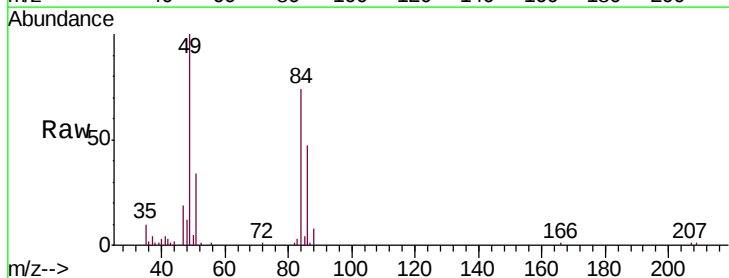
Tgt Ion: 59 Resp: 808
 Ion Ratio Lower Upper
 59 100
 57 11.4 9.0 13.4

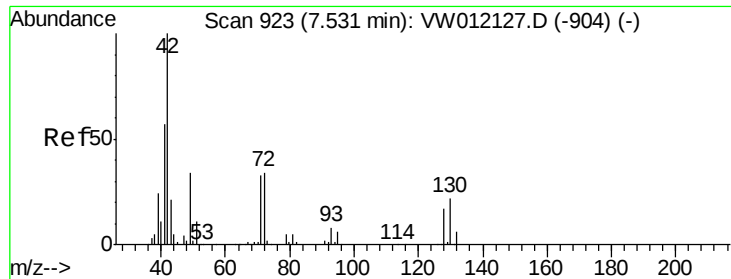


#20

Methylene Chloride
 Concen: 8.566 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW012697.D
 Acq: 06 Sep 2019 17:42

Tgt Ion: 84 Resp: 25671
 Ion Ratio Lower Upper
 84 100
 49 133.9 117.8 176.8
 51 45.3 35.6 53.4
 86 63.2 51.2 76.8

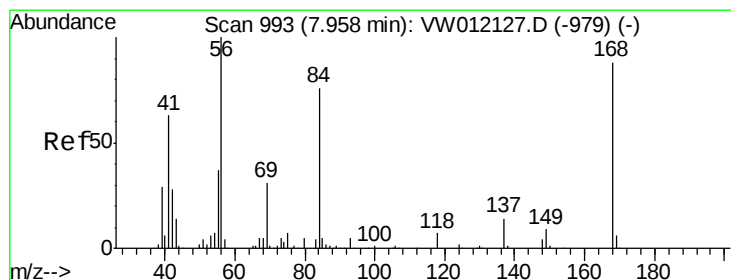
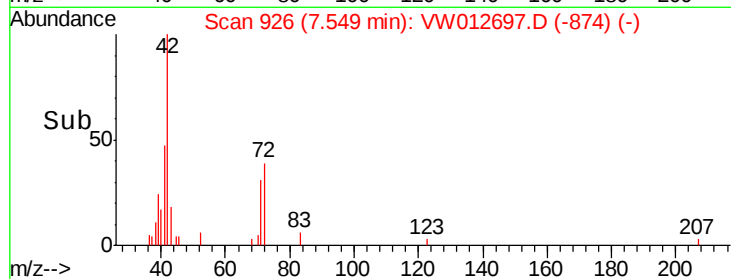
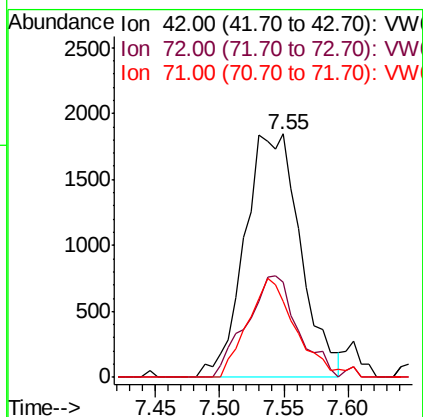
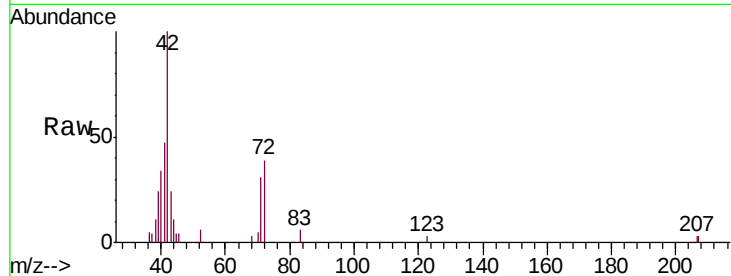




#29
Tetrahydrofuran
Concen: 8.572 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW012697.D
Acq: 06 Sep 2019 17:42

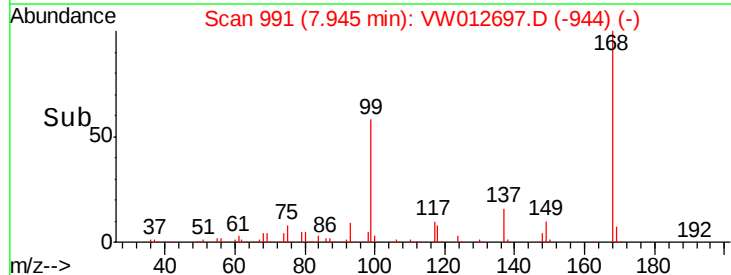
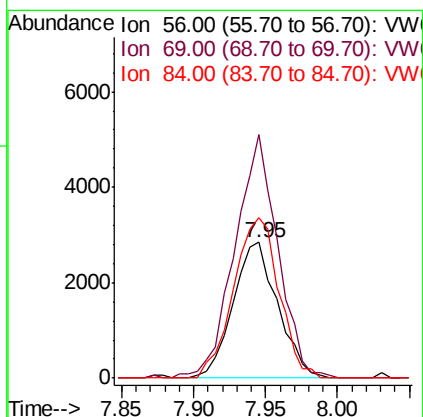
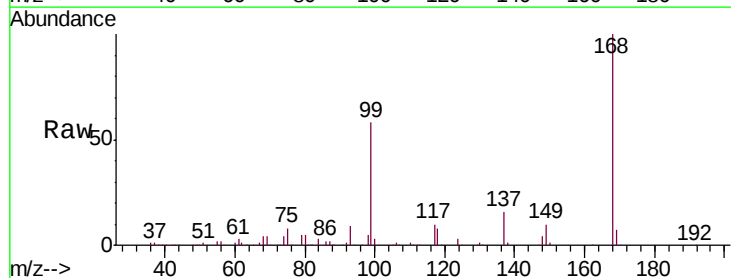
Instrument :
MSVOA_W
ClientSampleId :
T12-A2-(3.5)

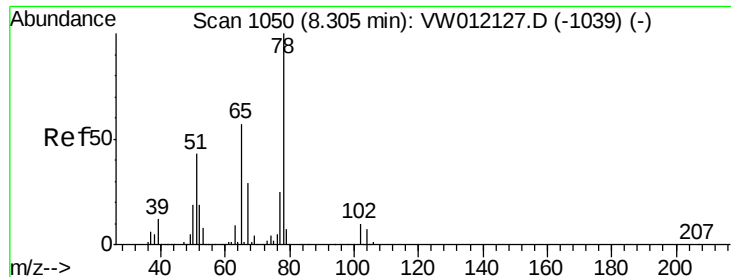
Tgt Ion: 42 Resp: 5540
Ion Ratio Lower Upper
42 100
72 38.2 27.3 40.9
71 35.4 25.5 38.3



#31
Cyclohexane
Concen: 1.100 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012697.D
Acq: 06 Sep 2019 17:42

Tgt Ion: 56 Resp: 6143
Ion Ratio Lower Upper
56 100
69 179.1 24.9 37.3#
84 117.6 60.6 90.8#

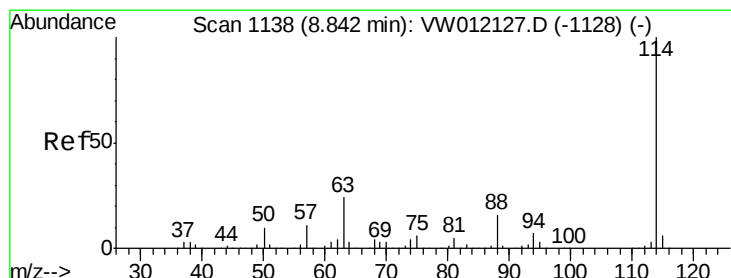
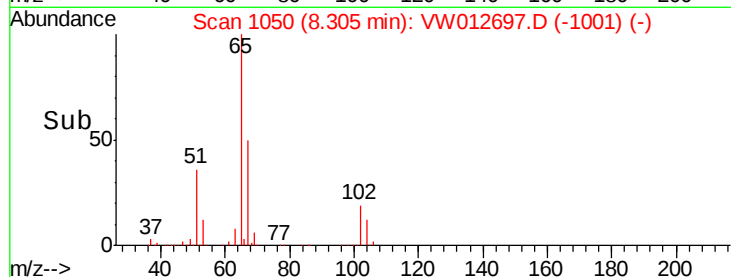
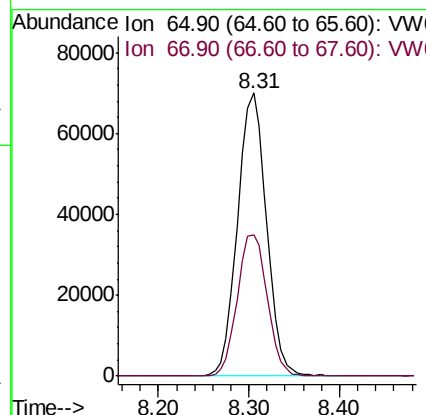
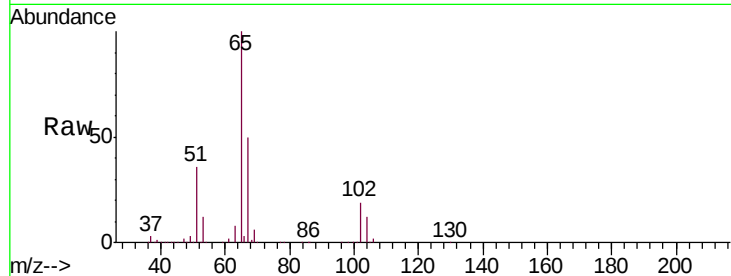




#33
 1,2-Dichloroethane-d4
 Concen: 49.983 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012697.D
 Acq: 06 Sep 2019 17:42

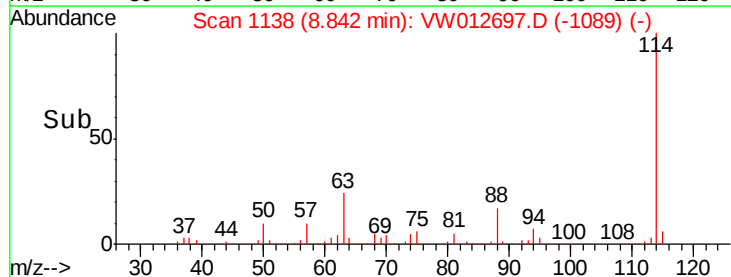
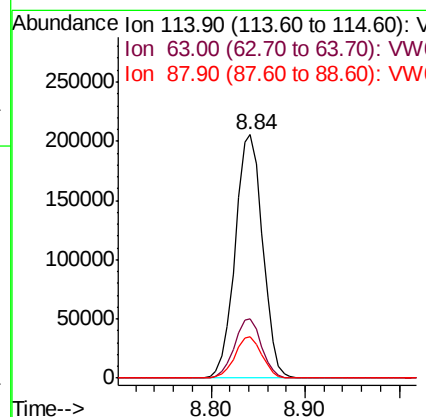
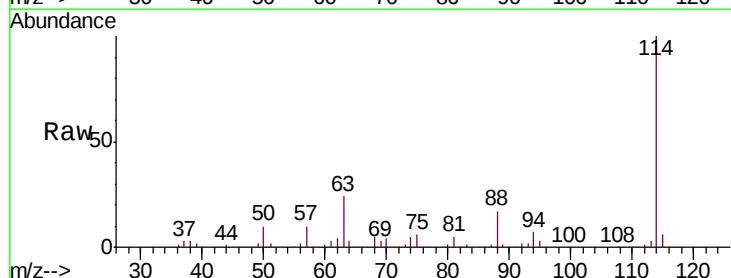
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-A2-(3.5)

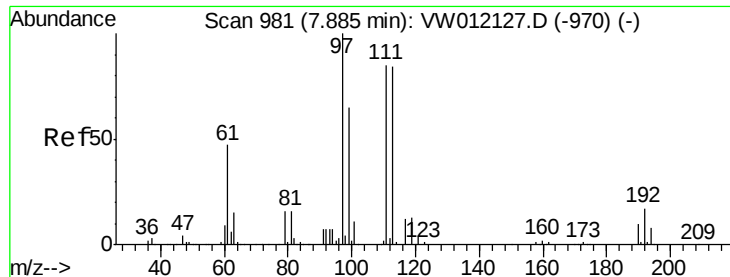
Tgt Ion: 65 Resp: 155003
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012697.D
 Acq: 06 Sep 2019 17:42

Tgt Ion: 114 Resp: 415200
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 48.6
 88 17.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 48.105 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012697.D

Acq: 06 Sep 2019 17:42

Instrument :

MSVOA_W

ClientSampleId :

T12-A2-(3.5)

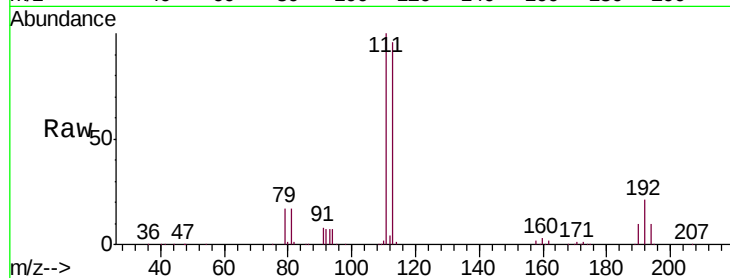
Tgt Ion:113 Resp: 119221

Ion Ratio Lower Upper

113 100

111 103.7 82.7 124.1

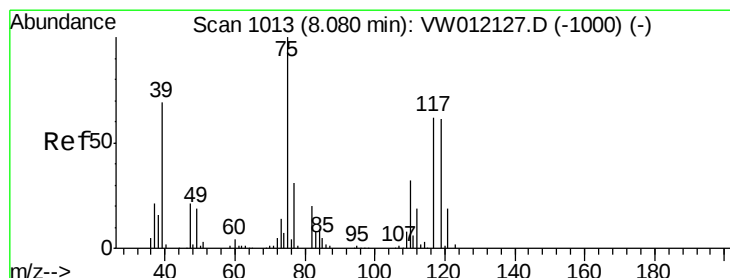
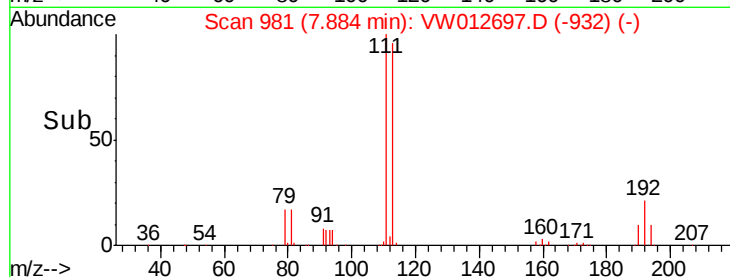
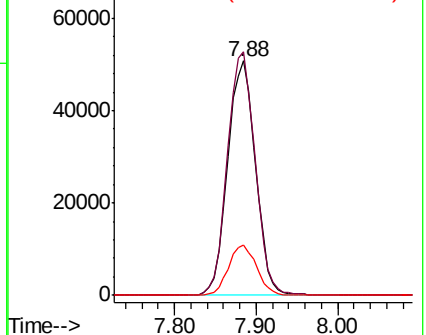
192 21.4 16.2 24.2



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: 4.942 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012697.D

Acq: 06 Sep 2019 17:42

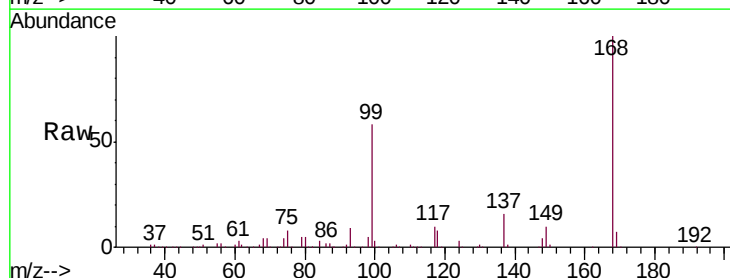
Tgt Ion: 75 Resp: 21206

Ion Ratio Lower Upper

75 100

110 9.4 15.6 46.8#

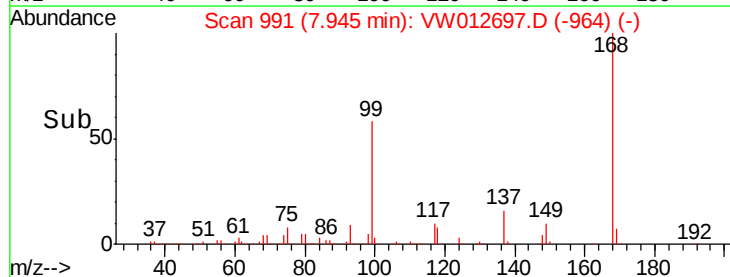
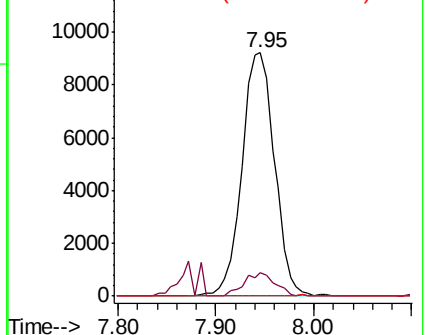
77 0.0 24.6 36.8#

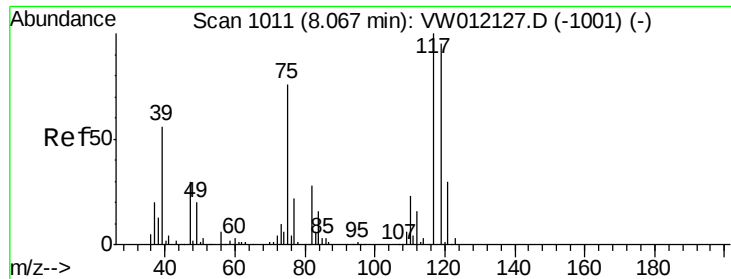


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

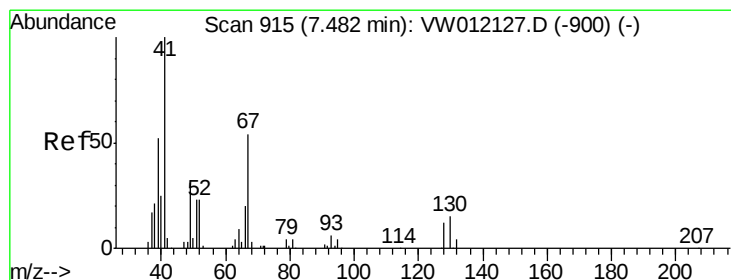
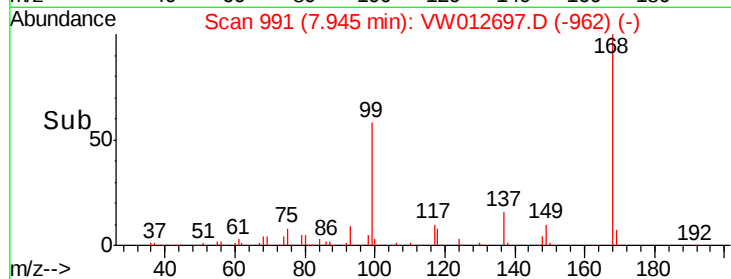
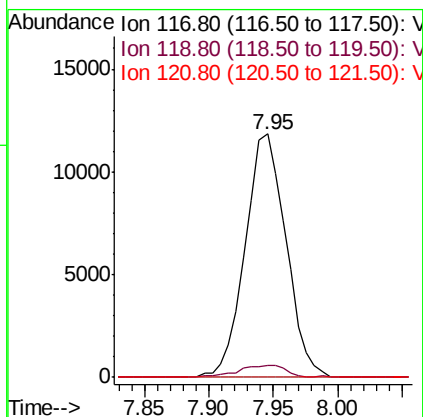
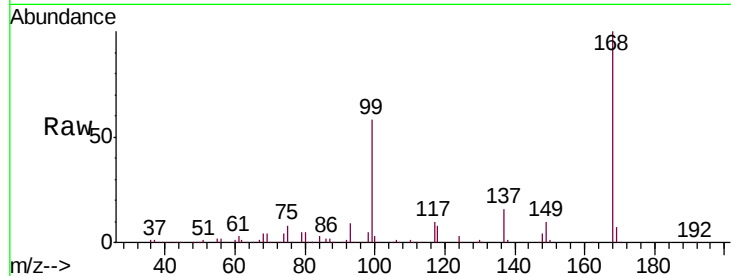




#38
Carbon Tetrachloride
Concen: 6.992 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012697.D
Acq: 06 Sep 2019 17:42

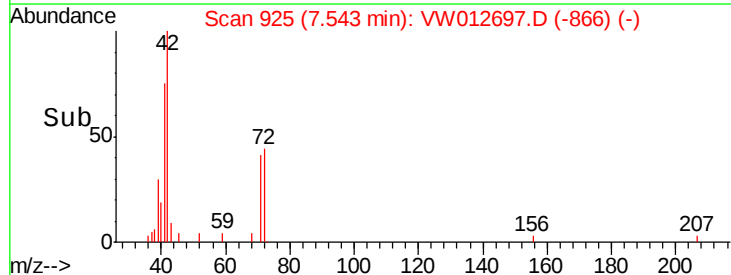
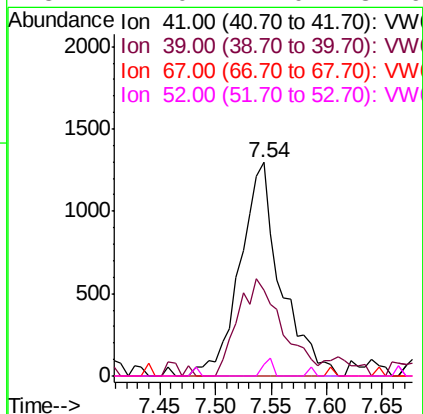
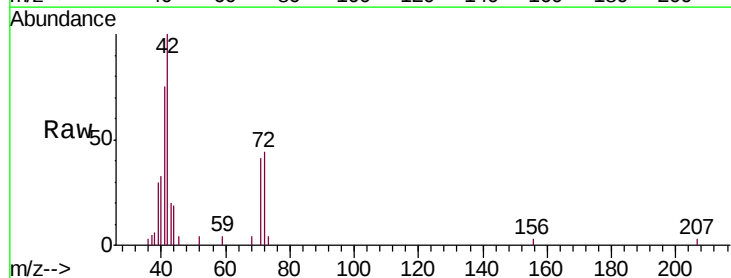
Instrument :
MSVOA_W
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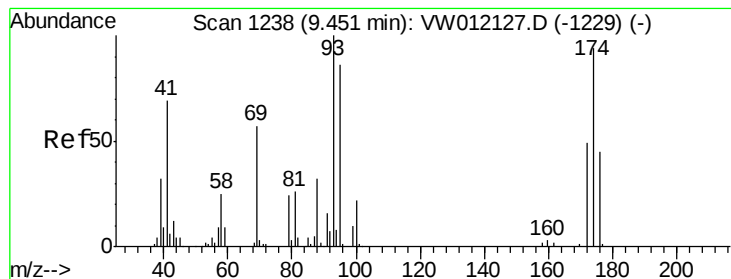
Tgt Ion: 117 Resp: 25964
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 23.8 35.8#



#41
Methacrylonitrile
Concen: 2.365 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012697.D
Acq: 06 Sep 2019 17:42

Tgt Ion: 41 Resp: 3268
Ion Ratio Lower Upper
41 100
39 50.4 45.8 68.8
67 0.0 46.2 69.4#
52 2.0 21.0 31.6#





#49

1,4-Dioxane

Concen: 1.769 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW012697.D

Acq: 06 Sep 2019 17:42

Instrument :

MSVOA_W

ClientSampleId :

T12-A2-(3.5)

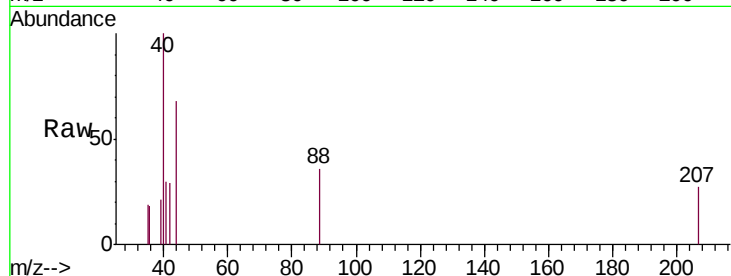
Tgt Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

43 57.9 32.9 49.3#

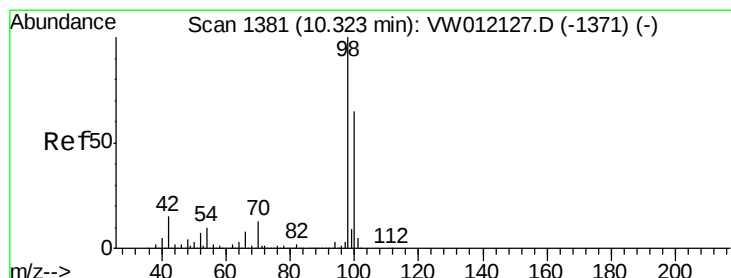
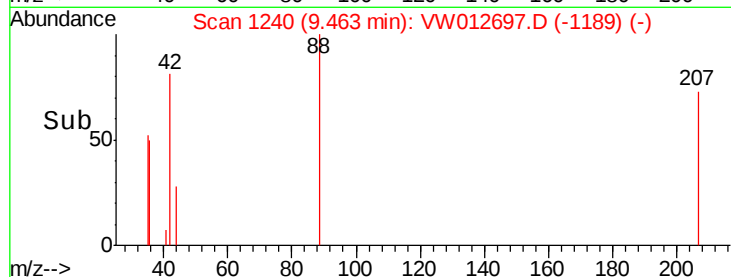
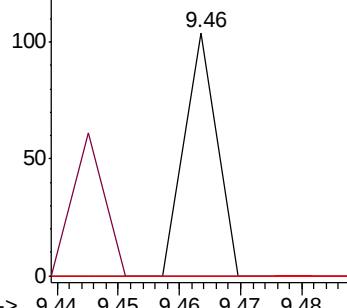
58 0.0 71.0 106.4#



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: 45.338 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012697.D

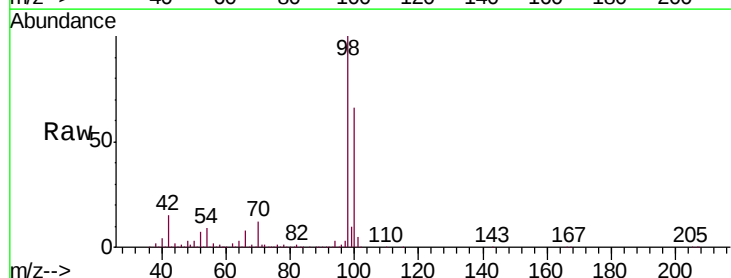
Acq: 06 Sep 2019 17:42

Tgt Ion: 98 Resp: 455598

Ion Ratio Lower Upper

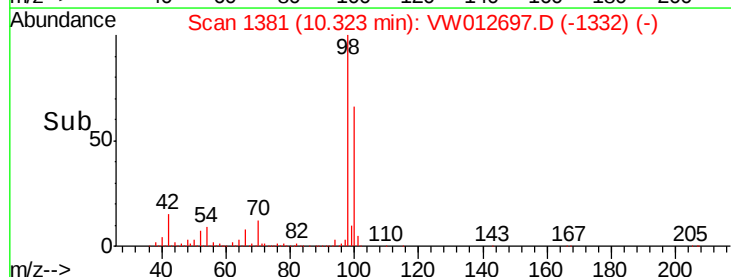
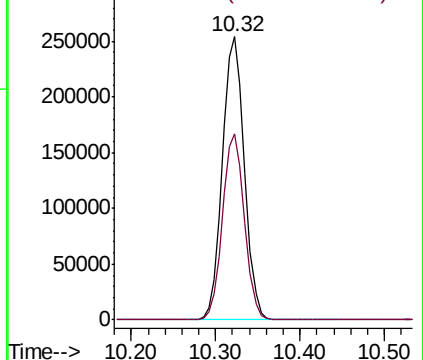
98 100

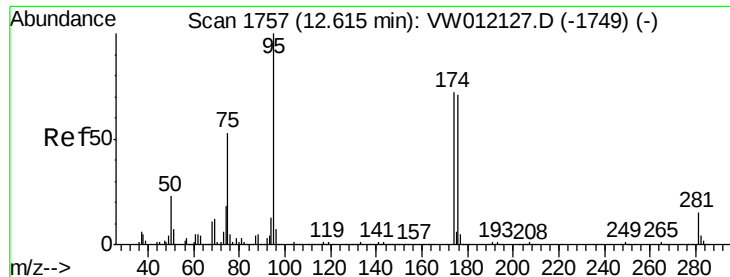
100 65.3 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

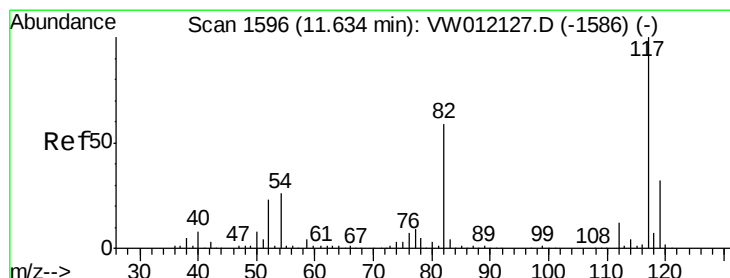
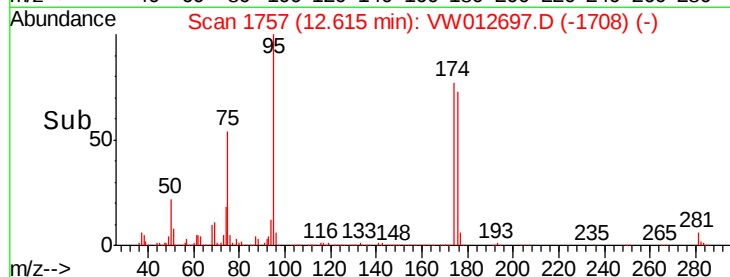
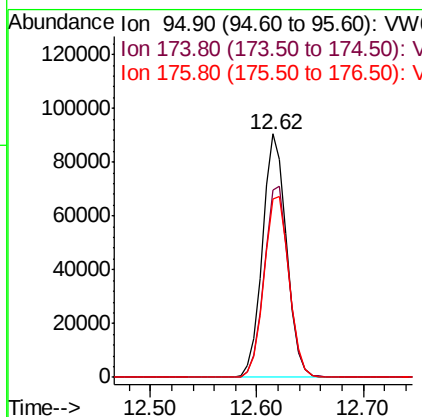
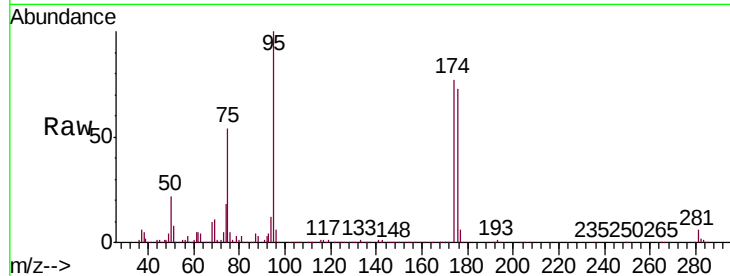




#62
4-Bromofluorobenzene
Concen: 40.567 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012697.D
Acq: 06 Sep 2019 17:42

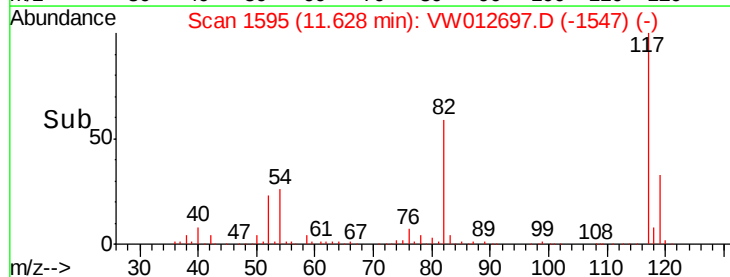
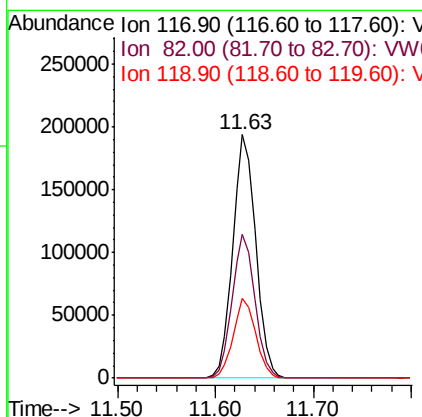
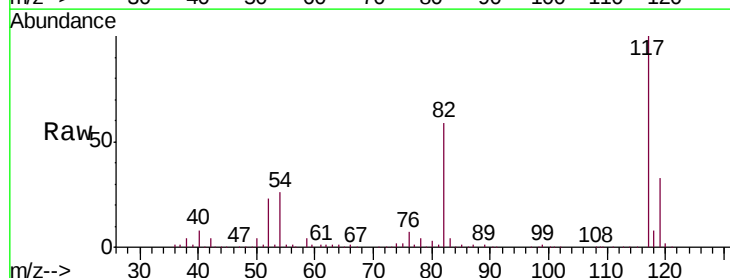
Instrument :
MSVOA_W
ClientSampleId :
T12-A2-(3.5)

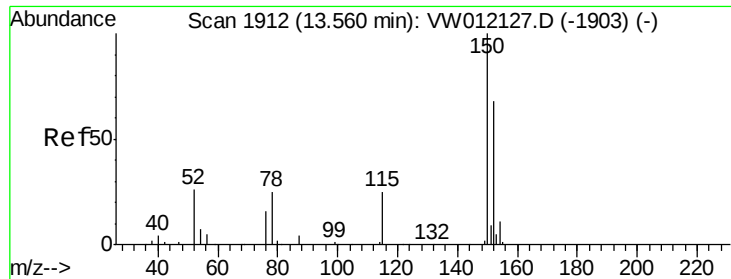
Tgt Ion: 95 Resp: 143700
Ion Ratio Lower Upper
95 100
174 79.9 0.0 150.8
176 77.7 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012697.D
Acq: 06 Sep 2019 17:42

Tgt Ion: 117 Resp: 315891
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 32.5 25.4 38.2



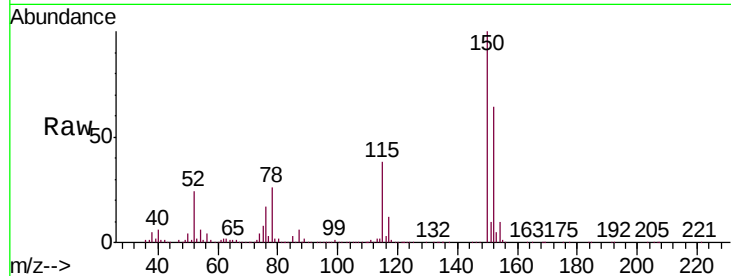


#72

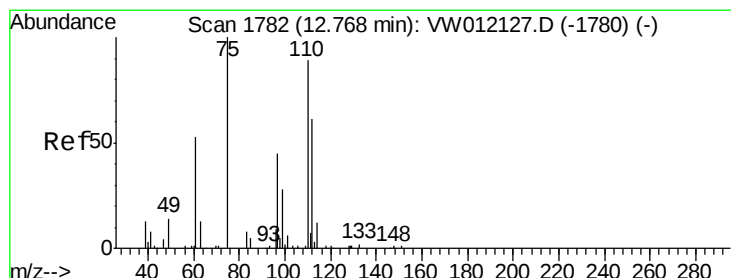
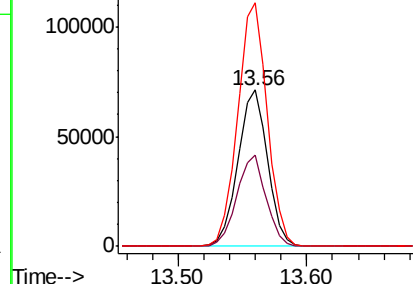
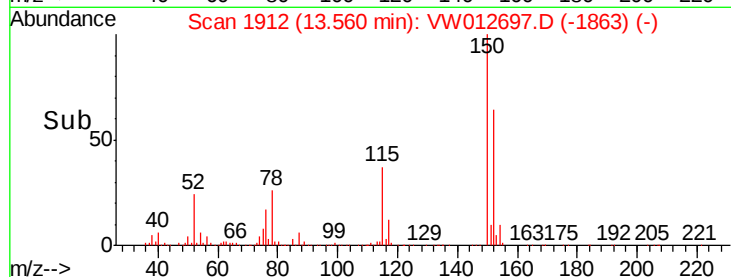
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012697.D
Acq: 06 Sep 2019 17:42

Instrument :
MSVOA_W
ClientSampleId :
T12-A2-(3.5)

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	30.1	90.3
150	155.8	0.0	345.8



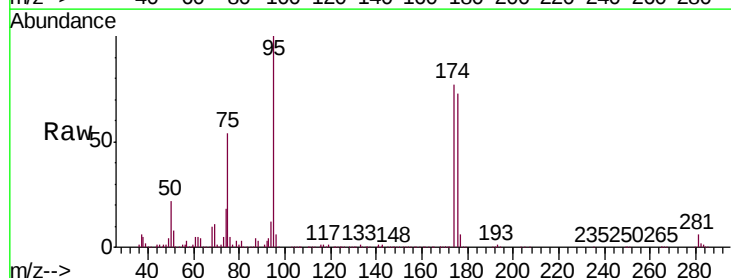
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



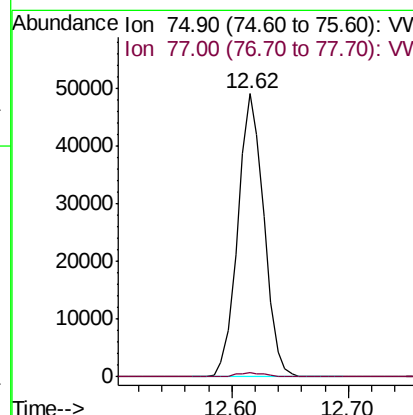
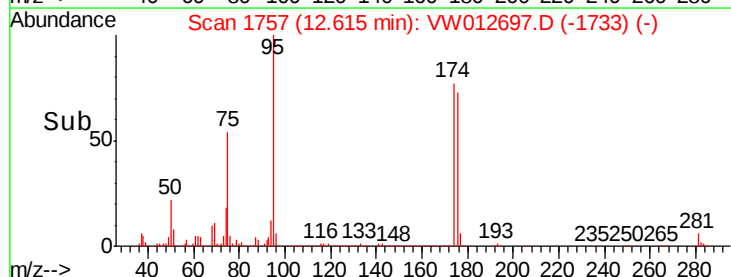
#76

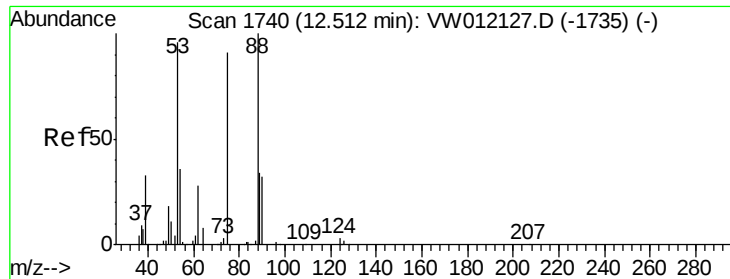
1,2,3-Trichloropropane
Concen: 69.802 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012697.D
Acq: 06 Sep 2019 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.8	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: 153.042 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012697.D

Acq: 06 Sep 2019 17:42

Instrument :

MSVOA_W

ClientSampleId :

T12-A2-(3.5)

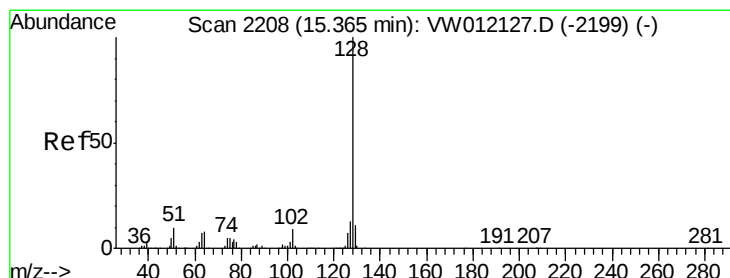
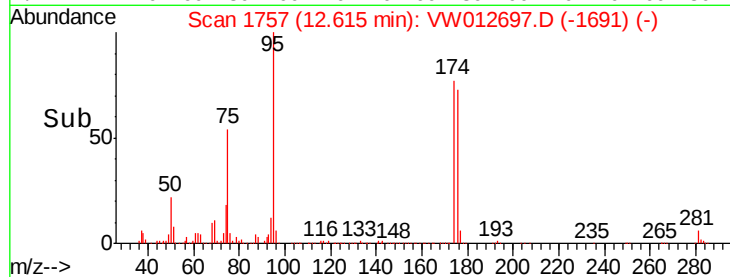
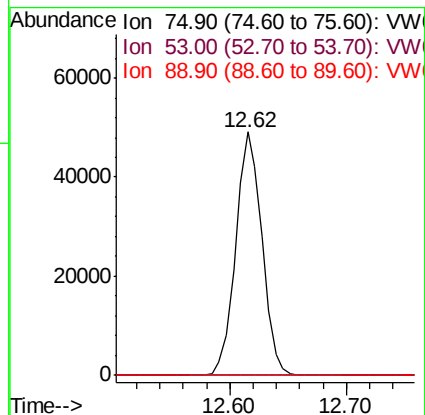
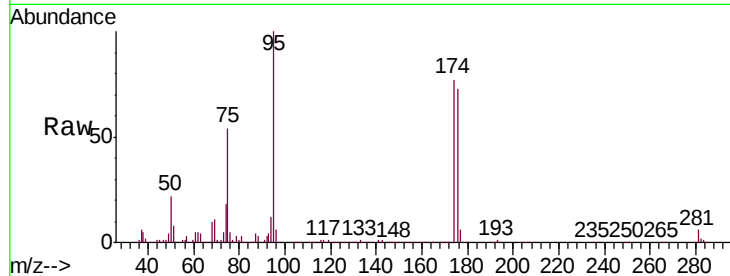
Tgt Ion: 75 Resp: 76854

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.0 34.5 51.7#



#95

Naphthalene

Concen: 4.517 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012697.D

Acq: 06 Sep 2019 17:42

Tgt Ion: 128 Resp: 915

Ion Ratio Lower Upper

128 100

127 3.6 10.7 16.1#

129 27.1 8.7 13.1#

