

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012090.D
 Acq On : 22 Aug 2019 00:11
 Operator : SY/VA
 Sample : K4403-12
 Misc : 6.46G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-G-(2.5)

Quant Time: Aug 22 05:20:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	257155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	430809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	367359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124004	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	165980	56.21	ug/l	0.00
Spiked Amount			Recovery	=	112.42%	
35) Dibromofluoromethane	7.88	113	132095	54.65	ug/l	0.00
Spiked Amount			Recovery	=	109.30%	
50) Toluene-d8	10.32	98	544118	54.99	ug/l	0.00
Spiked Amount			Recovery	=	109.98%	
62) 4-Bromofluorobenzene	12.62	95	162380	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	

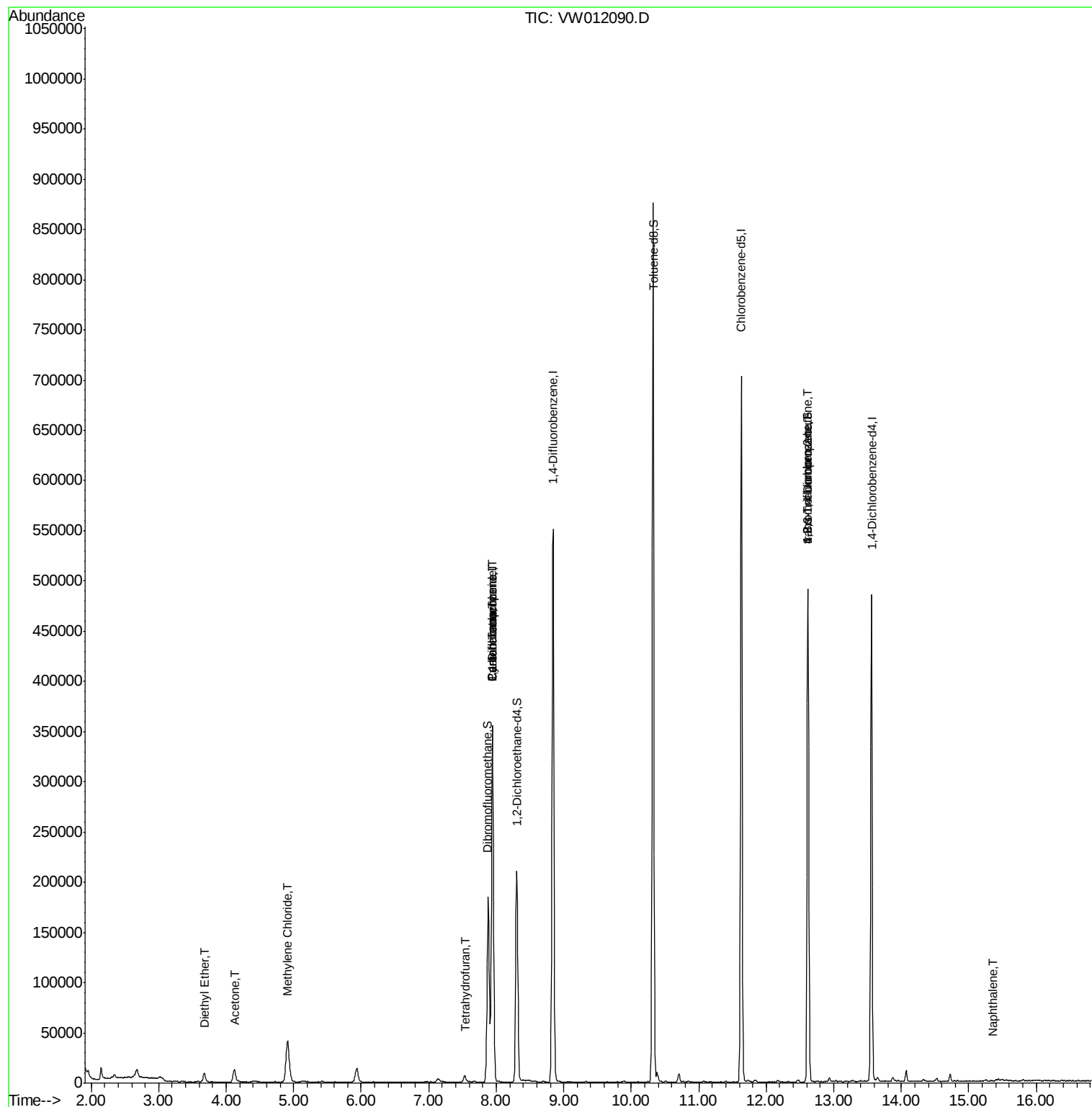
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	4464	2.944	ug/l	95
11) Tert butyl alcohol	5.17	59	291	Below Cal	#	48
16) Acetone	4.12	43	23726	25.259	ug/l	100
20) Methylene Chloride	4.92	84	31175	9.624	ug/l	98
29) Tetrahydrofuran	7.53	42	5721	8.143	ug/l	97
31) Cyclohexane	7.94	56	6594	1.194	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	22519	5.027	ug/l #	52
38) Carbon Tetrachloride	7.94	117	26404	6.885	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	86217	65.709	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86217	151.436	ug/l #	6
95) Naphthalene	15.36	128	234	2.112	ug/l #	91

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

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Quant Title : SW846 8260
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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: VW012090.D

Acq: 22 Aug 2019 00:11

Instrument :

MSVOA_W

ClientSampleId :

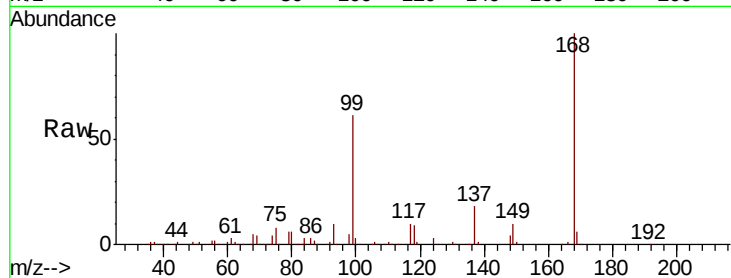
T1-G-(2.5)

Tgt Ion:168 Resp: 257155

Ion Ratio Lower Upper

168 100

99 60.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

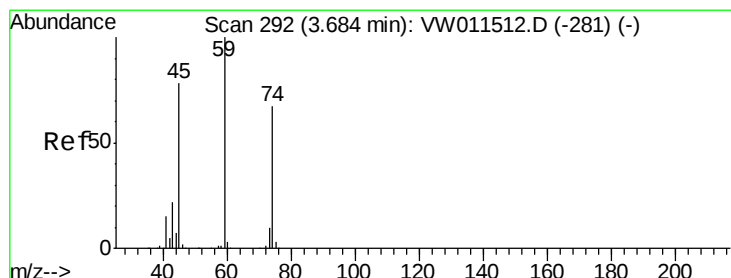
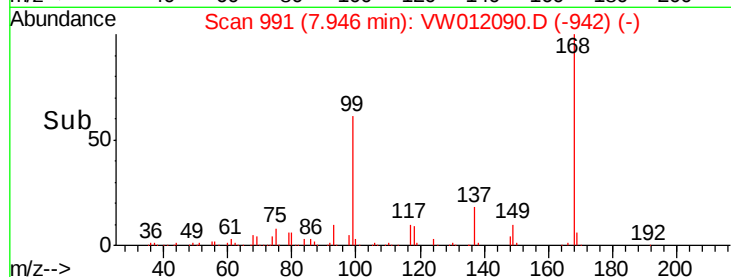
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.944 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW012090.D

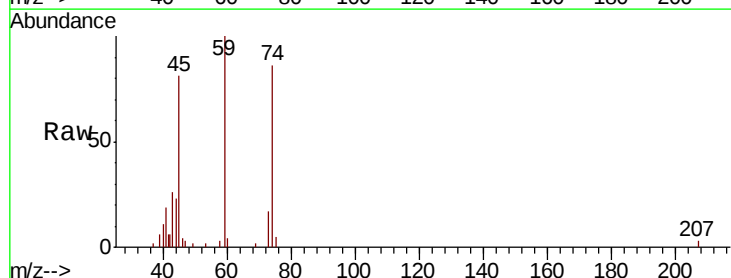
Acq: 22 Aug 2019 00:11

Tgt Ion: 74 Resp: 4464

Ion Ratio Lower Upper

74 100

45 125.0 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

2500

2000

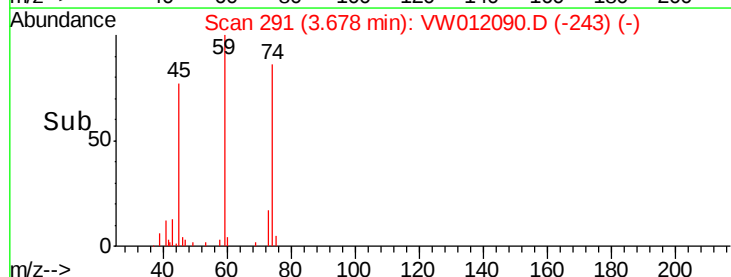
1500

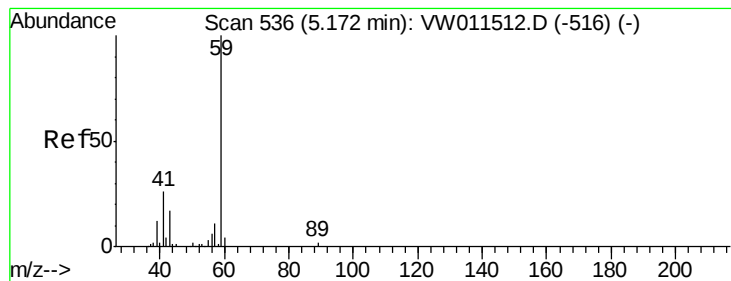
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 536

Delta R.T. 0.00 min

Lab File: VW012090.D

Acq: 22 Aug 2019 00:11

Instrument :

MSVOA_W

ClientSampleId :

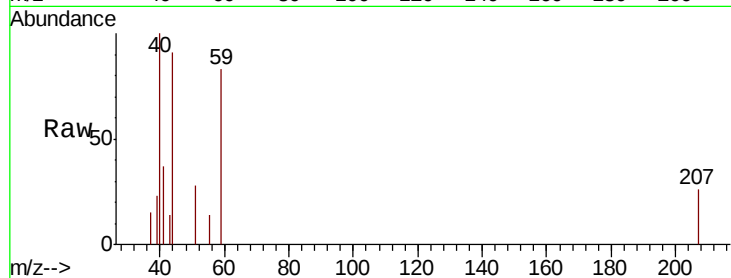
T1-G-(2.5)

Tgt Ion: 59 Resp: 291

Ion Ratio Lower Upper

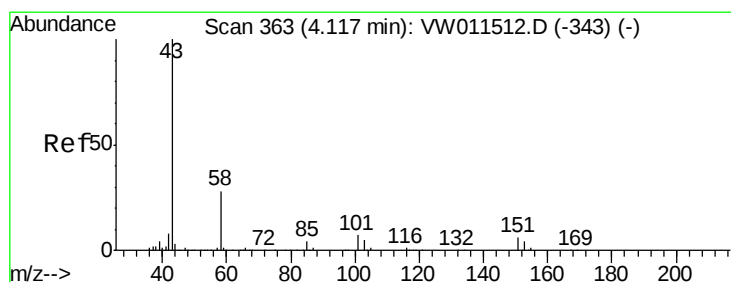
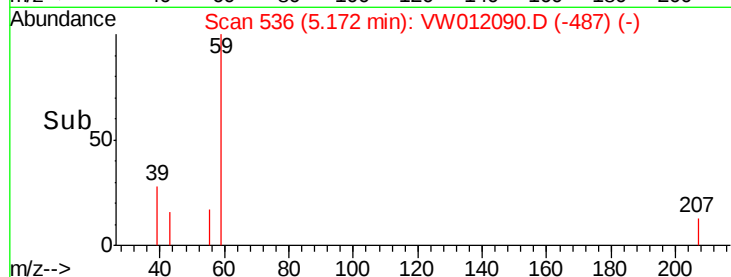
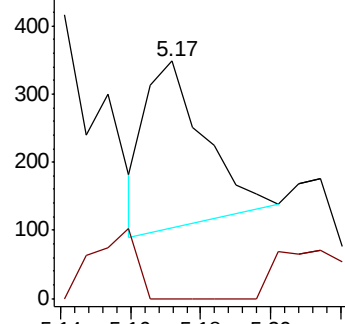
59 100

57 30.2 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#16

Acetone

Concen: 25.259 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012090.D

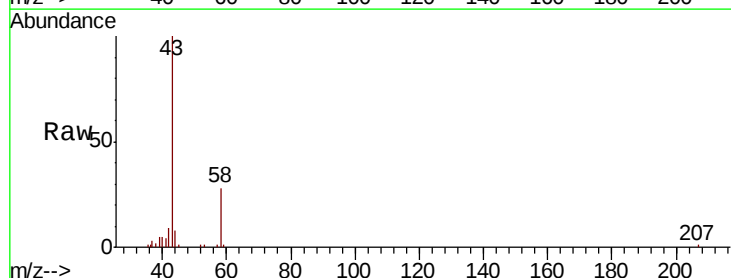
Acq: 22 Aug 2019 00:11

Tgt Ion: 43 Resp: 23726

Ion Ratio Lower Upper

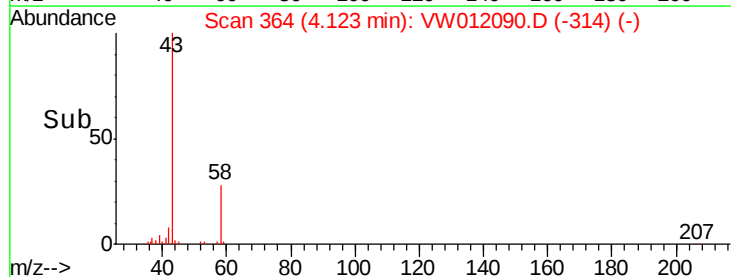
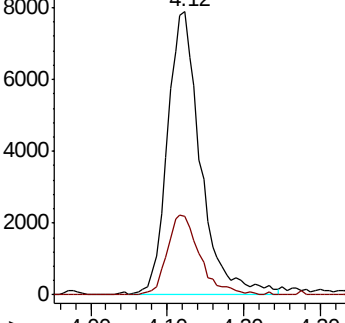
43 100

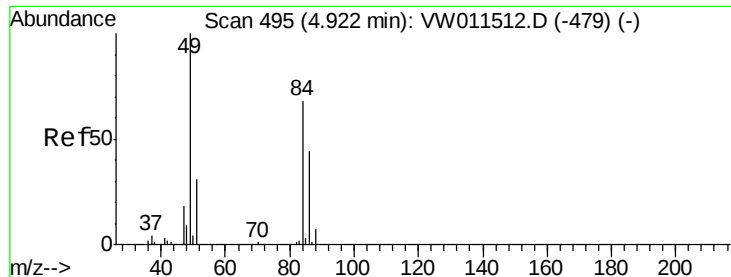
58 27.7 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

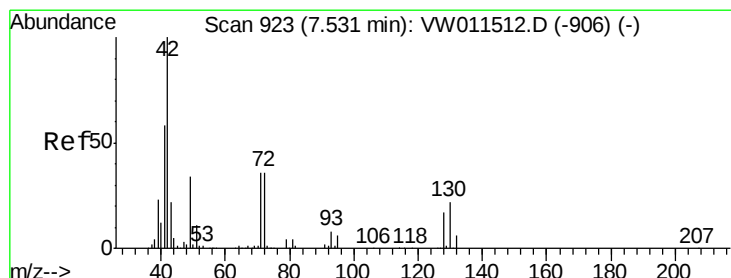
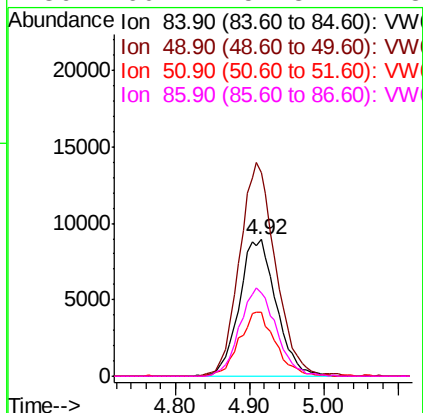
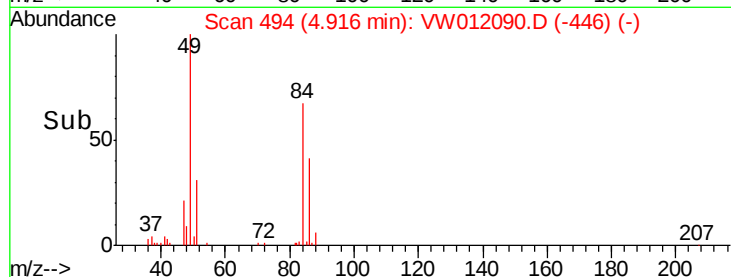
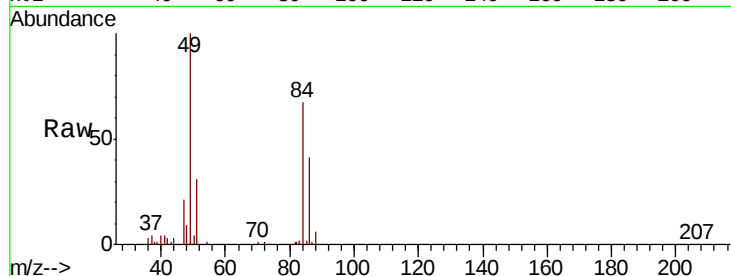




#20
Methylene Chloride
Concen: 9.624 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012090.D
Acq: 22 Aug 2019 00:11

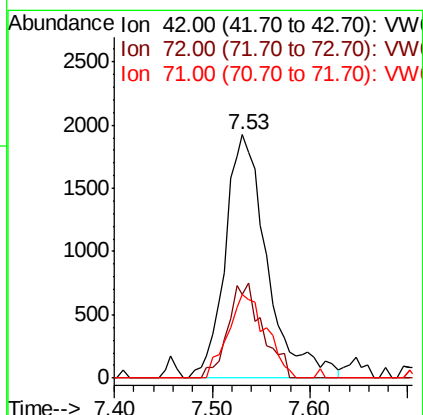
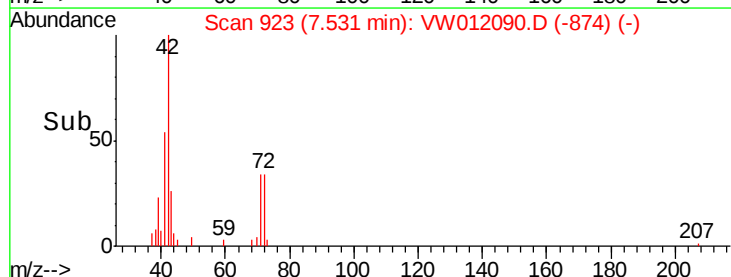
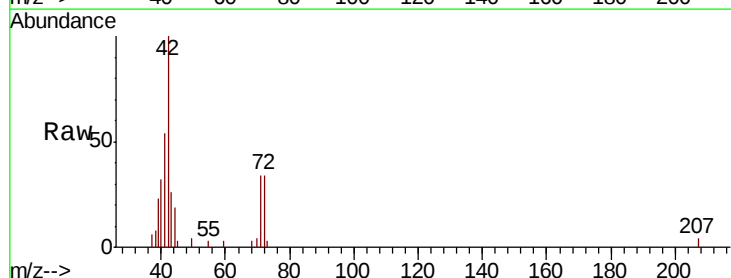
Instrument :
MSVOA_W
ClientSampleId :
T1-G-(2.5)

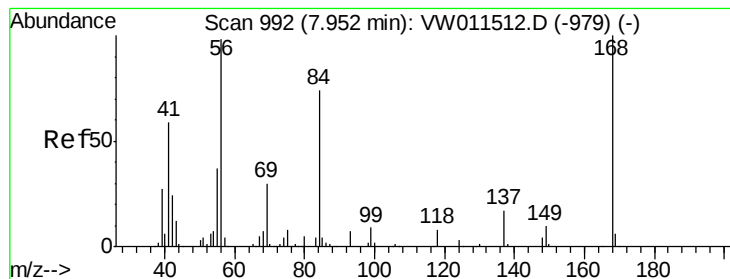
Tgt Ion:	84	Resp:	31175
Ion	Ratio	Lower	Upper
84	100		
49	148.8	117.8	176.6
51	46.6	37.0	55.4
86	60.7	51.8	77.8



#29
Tetrahydrofuran
Concen: 8.143 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012090.D
Acq: 22 Aug 2019 00:11

Tgt Ion:	42	Resp:	5721
Ion	Ratio	Lower	Upper
42	100		
72	32.1	27.1	40.7
71	31.5	26.2	39.4





#31

Cyclohexane

Concen: 1.194 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012090.D

Acq: 22 Aug 2019 00:11

Instrument :

MSVOA_W

ClientSampleId :

T1-G-(2.5)

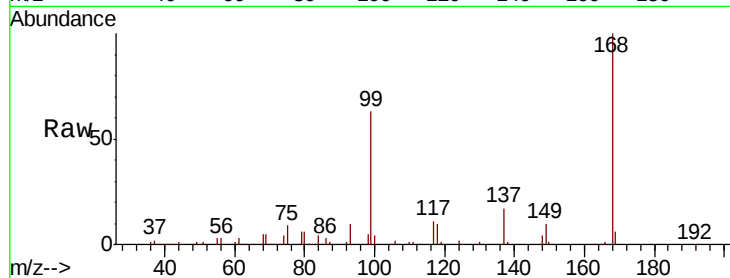
Tgt Ion: 56 Resp: 6594

Ion Ratio Lower Upper

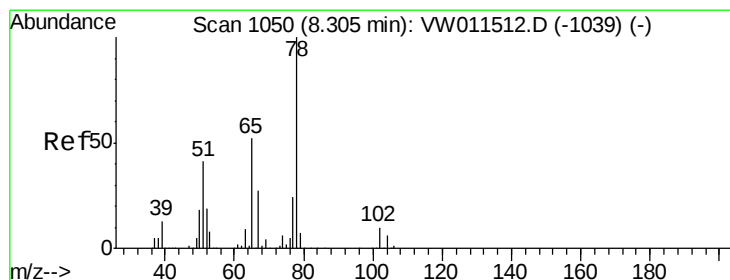
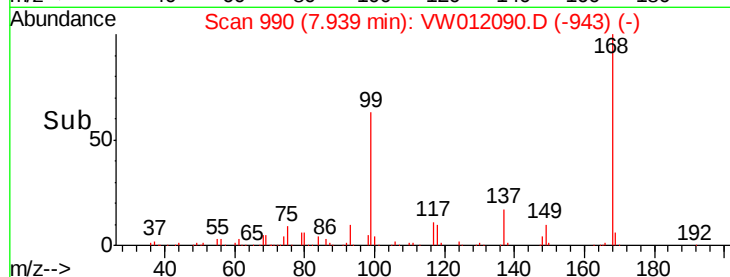
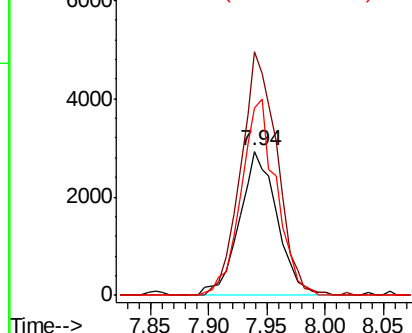
56 100

69 168.8 24.3 36.5#

84 130.2 60.4 90.6#



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: 56.210 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012090.D

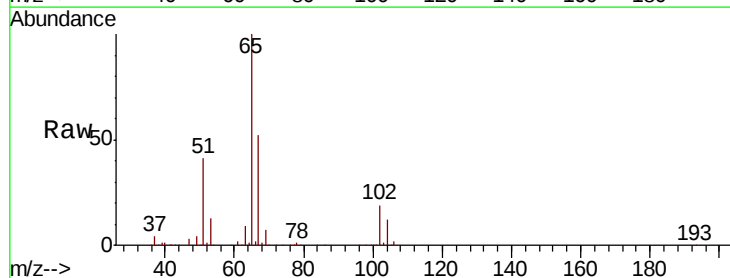
Acq: 22 Aug 2019 00:11

Tgt Ion: 65 Resp: 165980

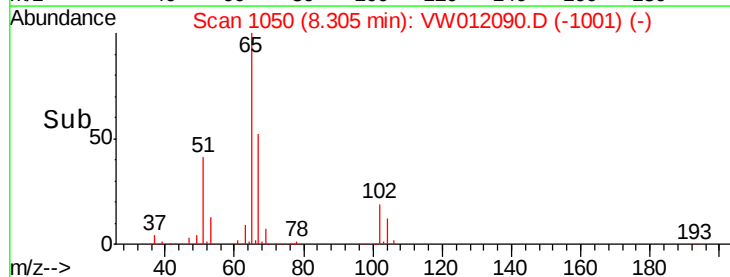
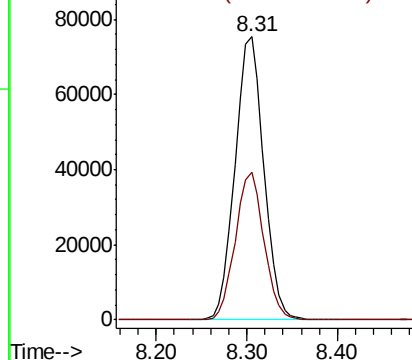
Ion Ratio Lower Upper

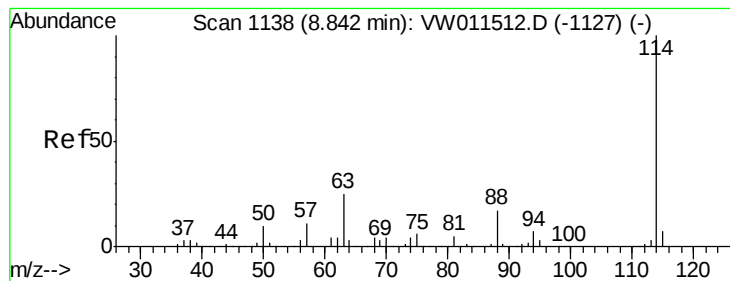
65 100

67 52.0 0.0 105.2



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: VW012090.D

Acq: 22 Aug 2019 00:11

Instrument :

MSVOA_W

ClientSampleId :

T1-G-(2.5)

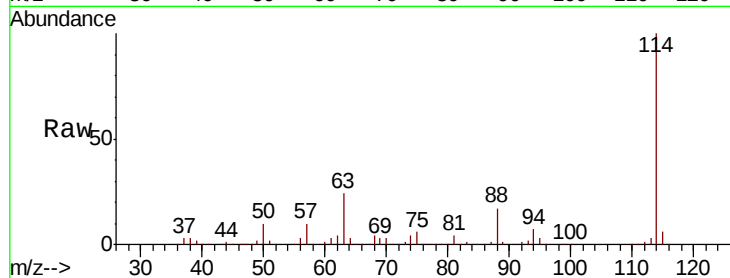
Tgt Ion:114 Resp: 430809

Ion Ratio Lower Upper

114 100

63 24.4 0.0 49.2

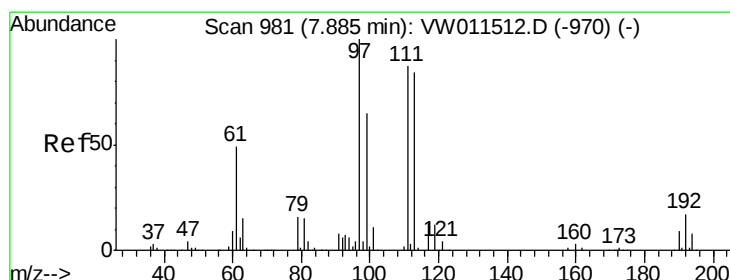
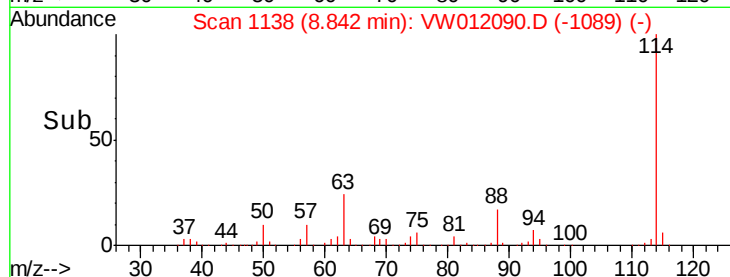
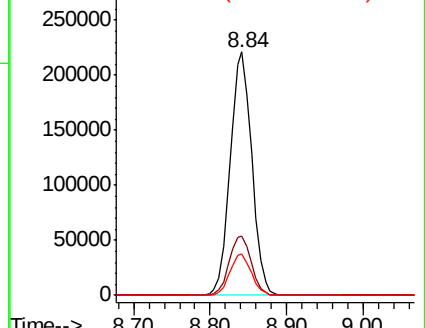
88 16.9 0.0 33.8



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: 54.654 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012090.D

Acq: 22 Aug 2019 00:11

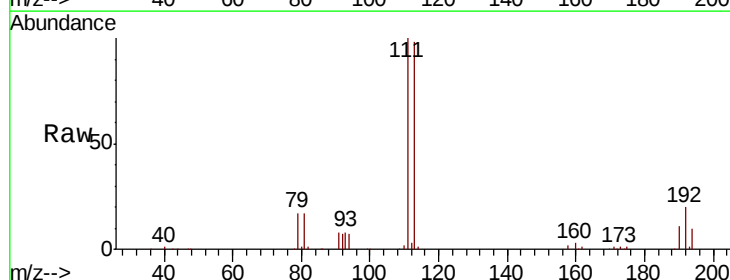
Tgt Ion:113 Resp: 132095

Ion Ratio Lower Upper

113 100

111 104.6 82.7 124.1

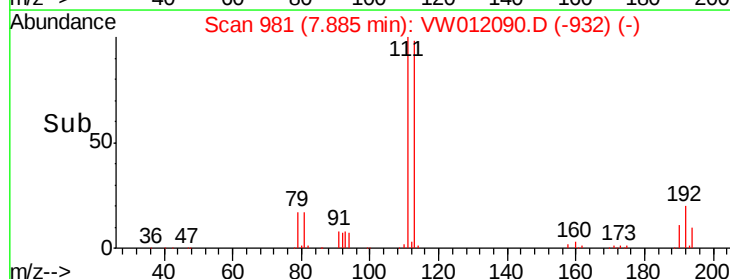
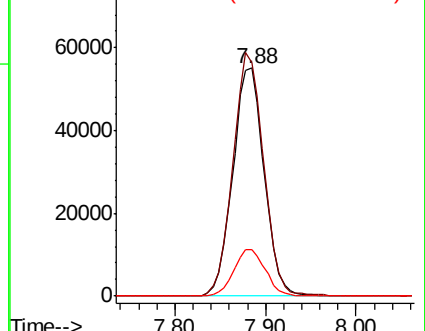
192 20.5 16.1 24.1

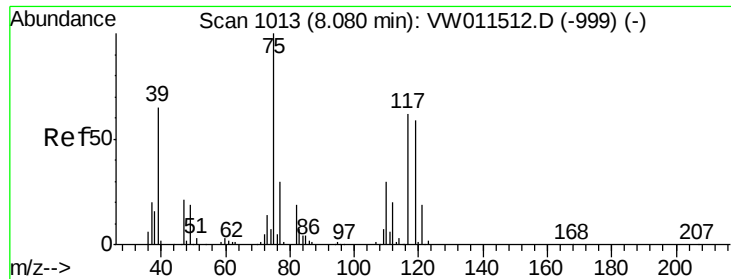


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

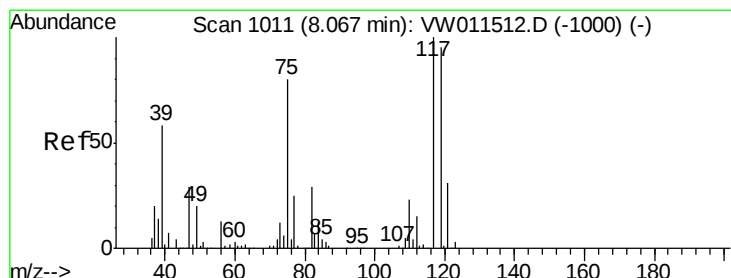
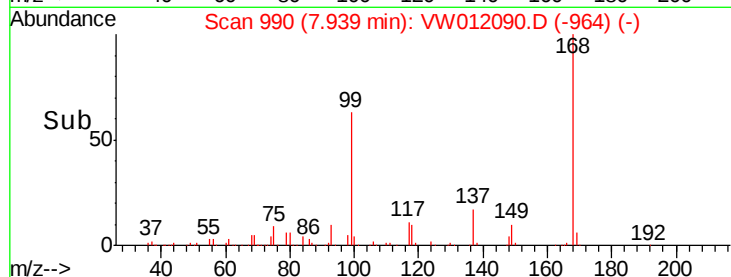
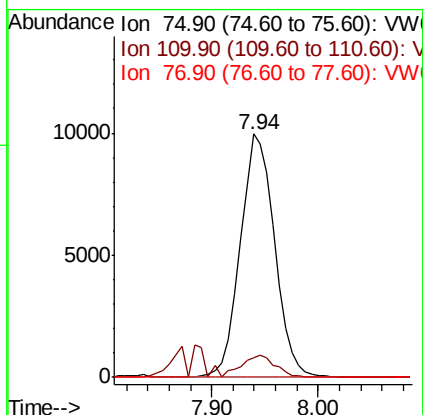
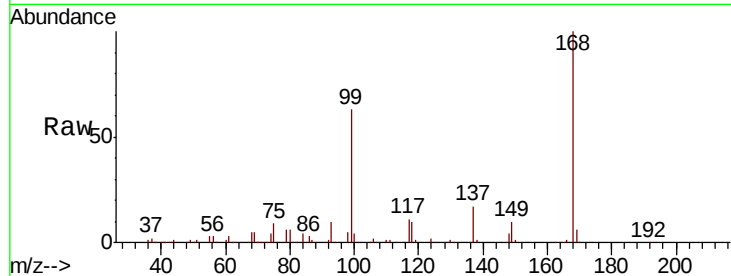




#36
 1,1-Dichloropropene
 Concen: 5.027 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012090.D
 Acq: 22 Aug 2019 00:11

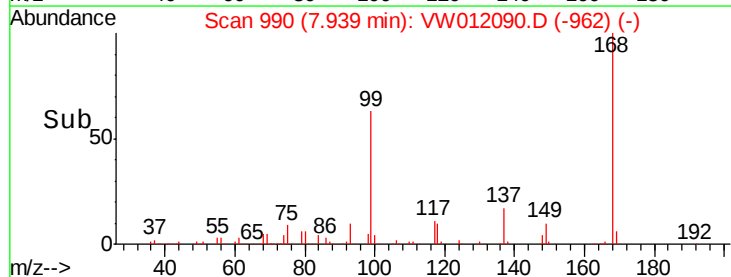
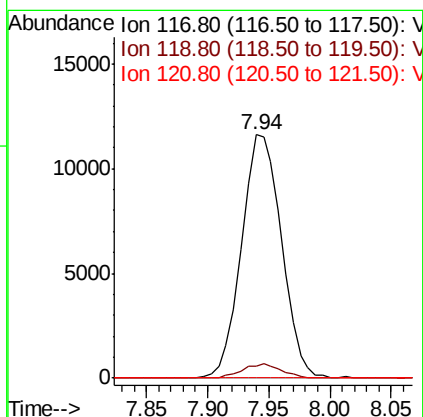
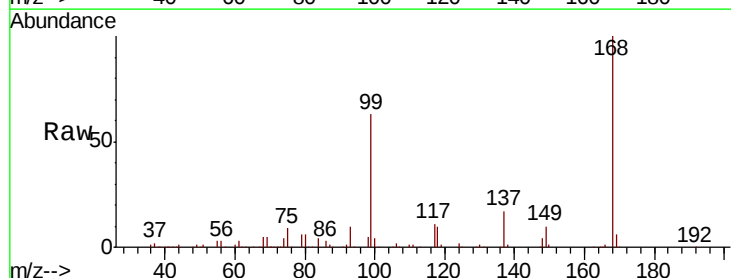
Instrument :
 MSVOA_W
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 T1-G-(2.5)

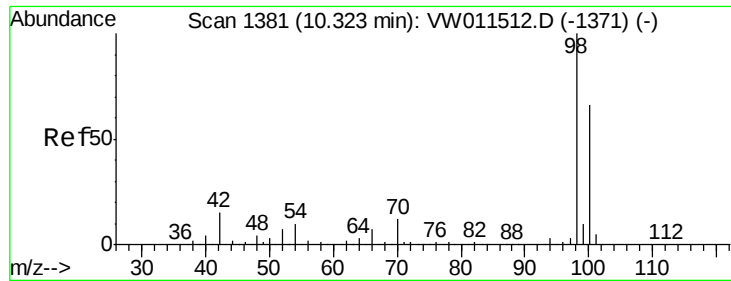
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.885 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012090.D
 Acq: 22 Aug 2019 00:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.8	113.6#
121	0.0	24.7	37.1#

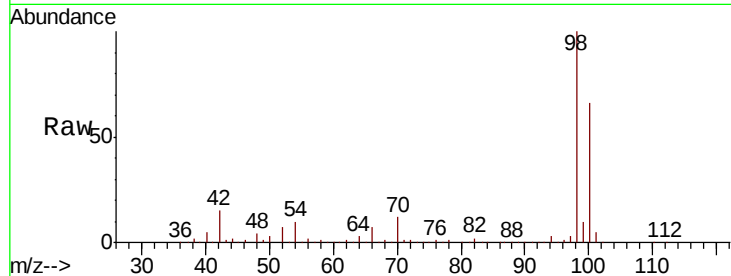




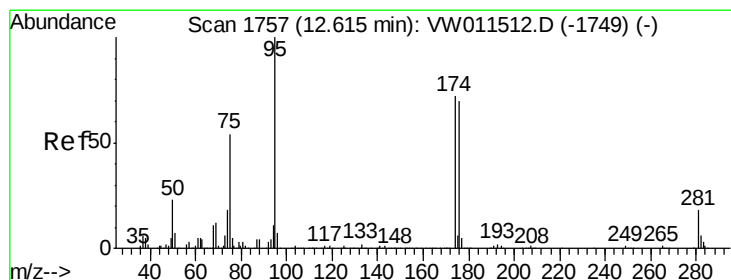
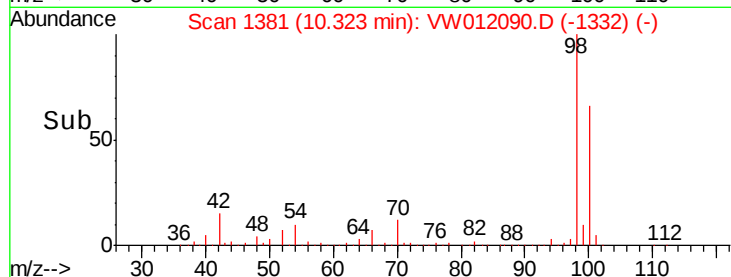
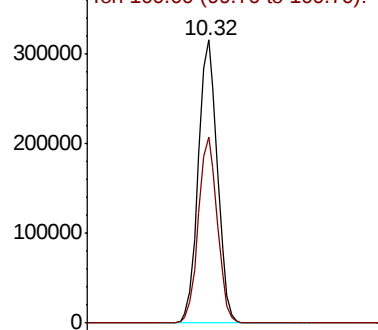
#50
Toluene-d8
Concen: 54.986 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012090.D
Acq: 22 Aug 2019 00:11

Instrument :
MSVOA_W
ClientSampleId :
T1-G-(2.5)

Tgt Ion: 98 Resp: 544118
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1

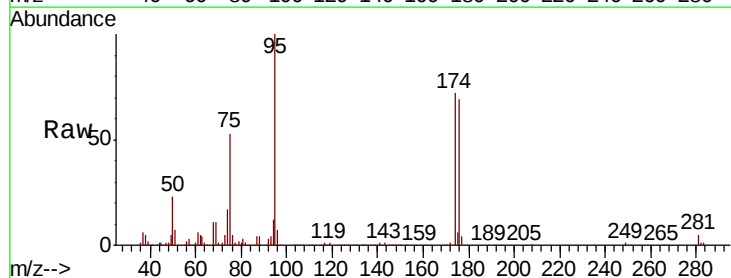


Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

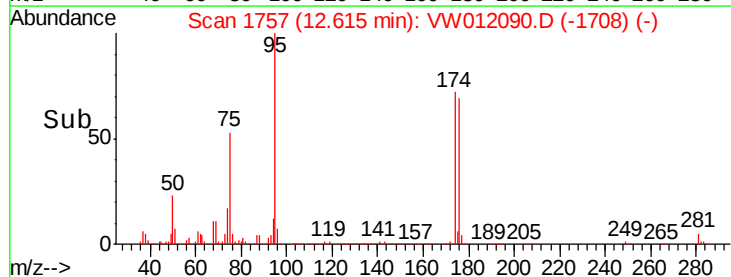
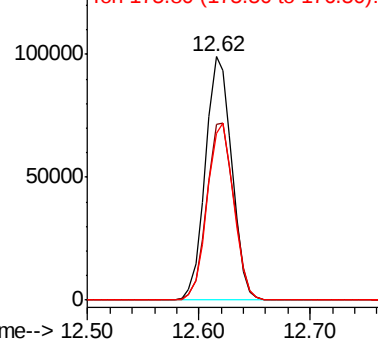


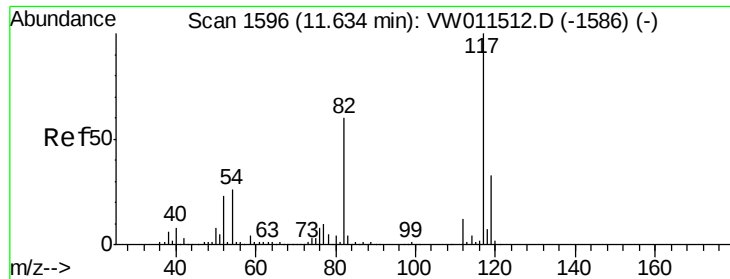
#62
4-Bromofluorobenzene
Concen: 46.027 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012090.D
Acq: 22 Aug 2019 00:11

Tgt Ion: 95 Resp: 162380
Ion Ratio Lower Upper
95 100
174 74.7 0.0 150.2
176 73.0 0.0 144.4



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

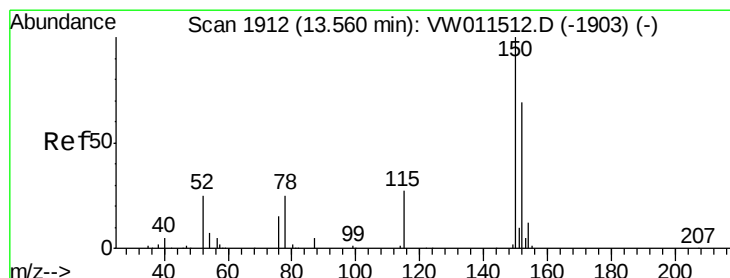
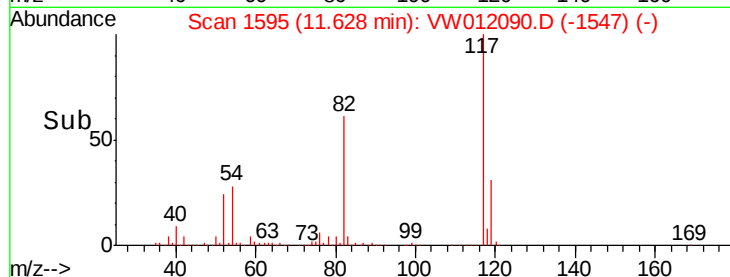
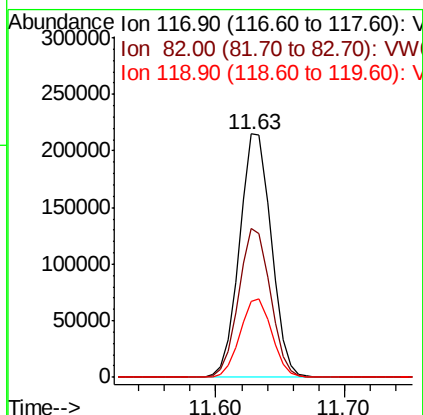
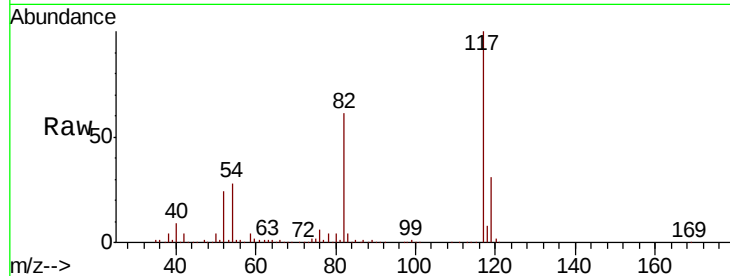




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012090.D
Acq: 22 Aug 2019 00:11

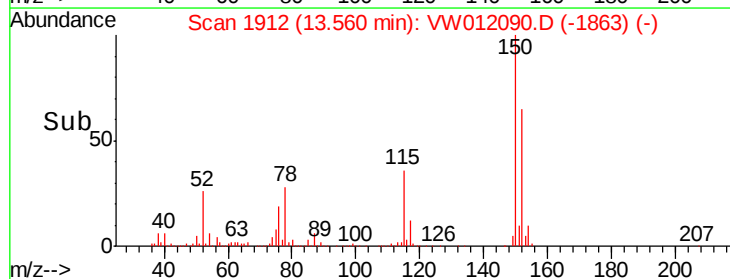
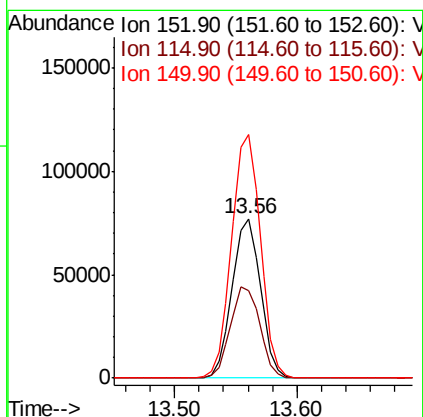
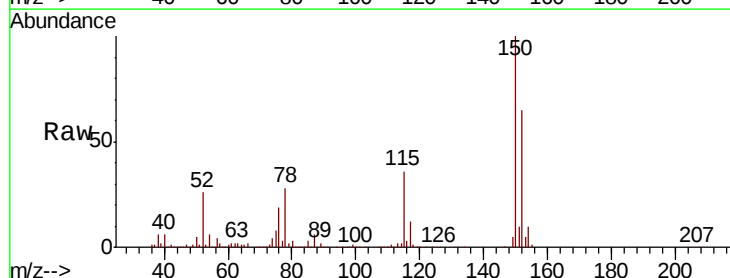
Instrument :
MSVOA_W
ClientSampleId :
T1-G-(2.5)

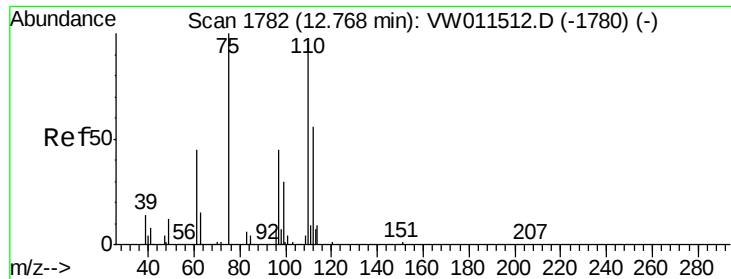
Tgt Ion:117 Resp: 367359
Ion Ratio Lower Upper
117 100
82 60.9 47.9 71.9
119 31.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012090.D
Acq: 22 Aug 2019 00:11

Tgt Ion:152 Resp: 124004
Ion Ratio Lower Upper
152 100
115 59.3 30.5 91.5
150 155.0 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 65.709 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012090.D

Acq: 22 Aug 2019 00:11

Instrument :

MSVOA_W

ClientSampleId :

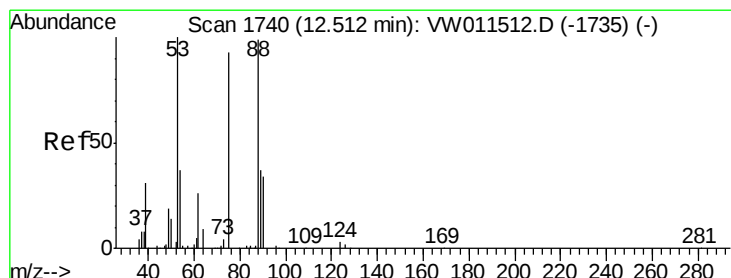
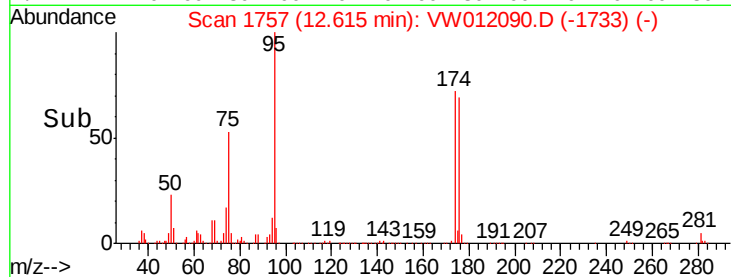
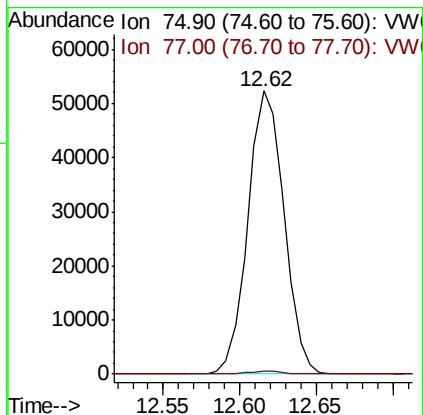
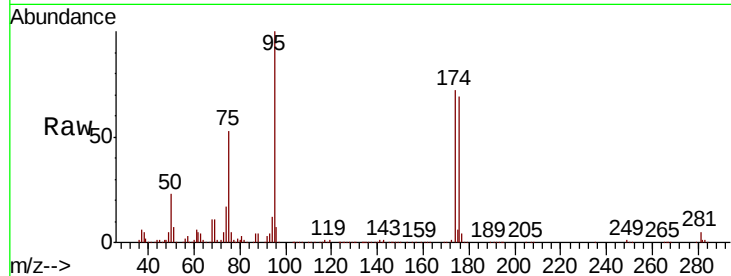
T1-G-(2.5)

Tgt Ion: 75 Resp: 86217

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 151.436 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012090.D

Acq: 22 Aug 2019 00:11

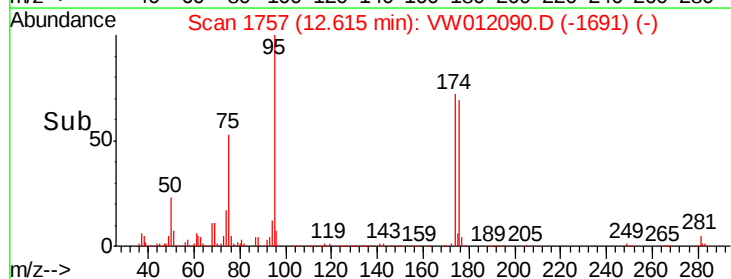
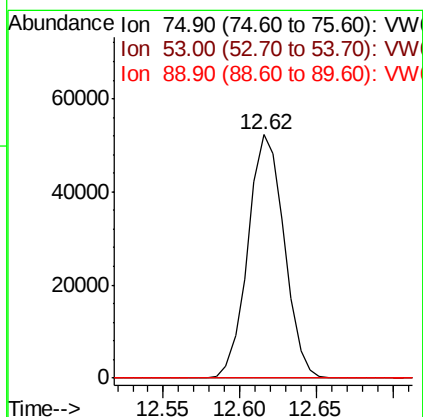
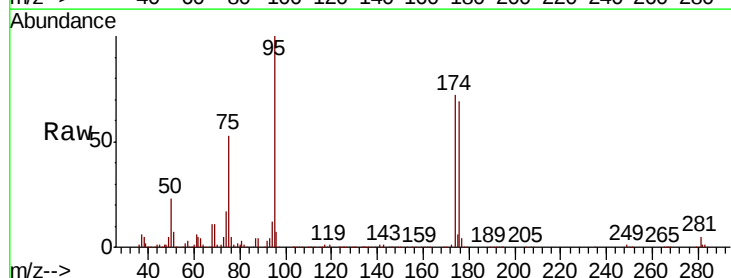
Tgt Ion: 75 Resp: 86217

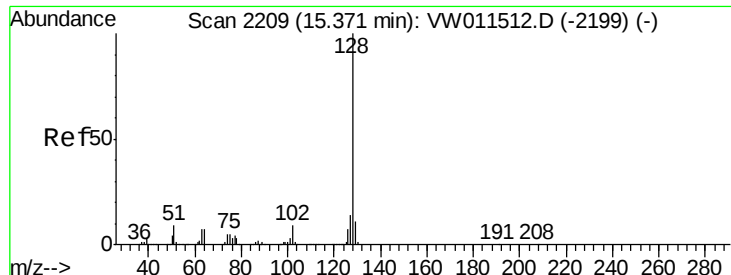
Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.2 35.3 52.9#





#95

Naphthalene

Concen: 2.112 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW012090.D

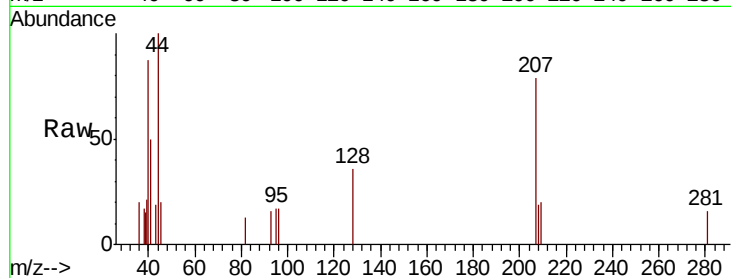
Acq: 22 Aug 2019 00:11

Instrument :

MSVOA_W

ClientSampleId :

T1-G-(2.5)



Tgt Ion:	128	Resp:	234
Ion	Ratio	Lower	Upper
128	100		
127	8.5	10.6	16.0#
129	9.0	8.6	13.0

