

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090419\
 Data File : VW012618.D
 Acq On : 05 Sep 2019 04:50
 Operator : SY/VA
 Sample : K4547-09
 Misc : 4.03G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T3-S-F-(2.5)

Quant Time: Sep 05 07:05:29 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

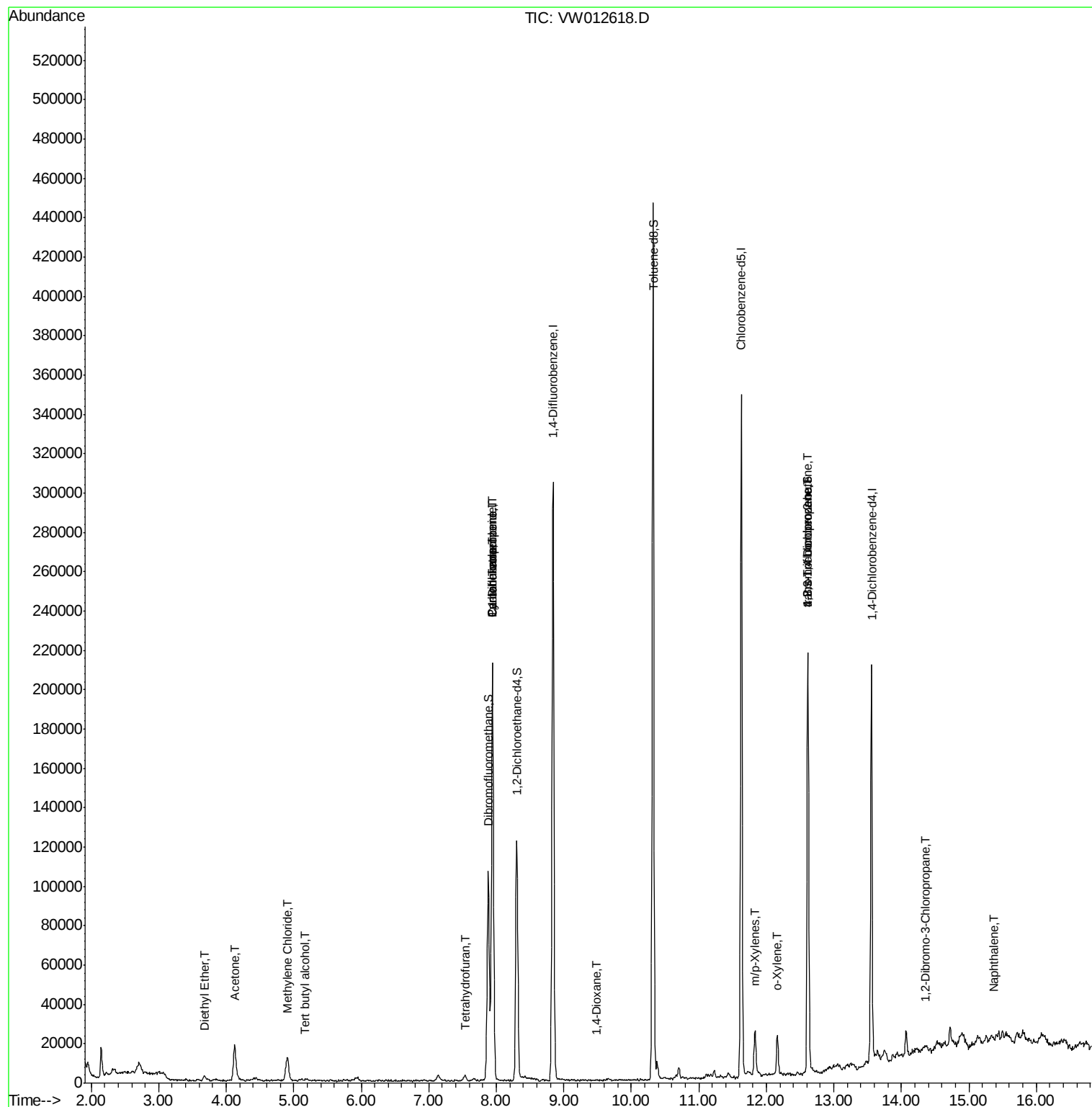
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	151675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	238897	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	180664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	50134	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	99938	55.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.86%	
35) Dibromofluoromethane	7.88	113	76138	53.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.78%	
50) Toluene-d8	10.32	98	280199	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.62	95	66819	32.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	65.56%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	1160	1.374	ug/l	100
11) Tert butyl alcohol	5.17	59	1316	12.128	ug/l	95
16) Acetone	4.12	43	34751	75.399	ug/l	96
20) Methylene Chloride	4.90	84	8224	4.720	ug/l	90
29) Tetrahydrofuran	7.53	42	2371	6.310	ug/l #	91
31) Cyclohexane	7.94	56	4010	1.235	ug/l #	20
36) 1,1-Dichloropropene	7.95	75	13192	5.344	ug/l #	52
38) Carbon Tetrachloride	7.95	117	15792	7.391	ug/l #	16
49) 1,4-Dioxane	9.48	88	21	1.699	ug/l #	1
68) m/p-Xylenes	11.83	106	6144	2.489	ug/l	96
69) o-Xylene	12.16	106	5490	2.403	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	37716	77.244	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	37716	169.361	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.36	75	137	1.180	ug/l	89
95) Naphthalene	15.37	128	591	4.607	ug/l #	69

(#) = 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: VW012618.D

Acq: 05 Sep 2019 04:50

Instrument :

MSVOA_W

ClientSampleId :

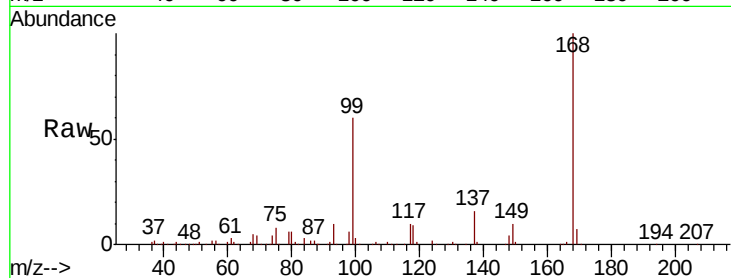
T3-S-F-(2.5)

Tgt Ion:168 Resp: 151675

Ion Ratio Lower Upper

168 100

99 59.5 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

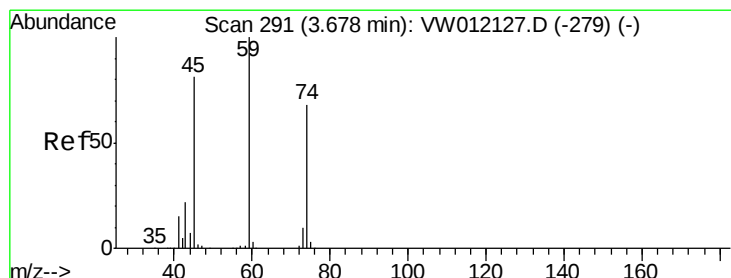
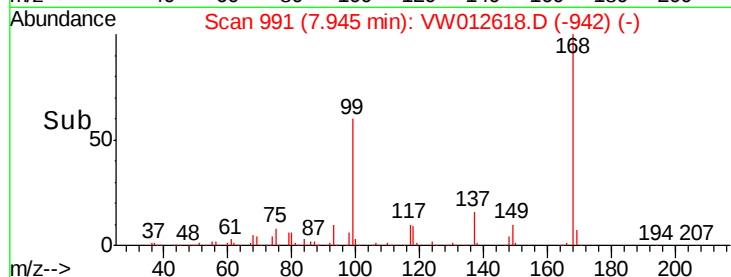
20000

0

7.90

8.00

Time-->



#8

Diethyl Ether

Concen: 1.374 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012618.D

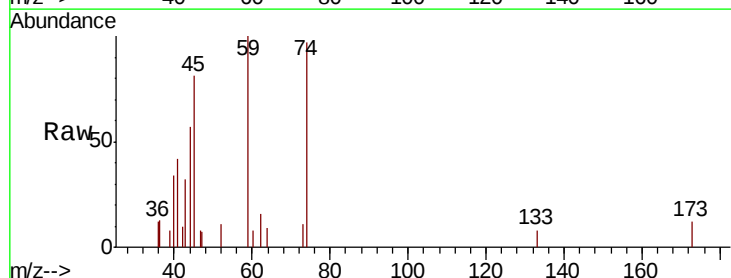
Acq: 05 Sep 2019 04:50

Tgt Ion: 74 Resp: 1160

Ion Ratio Lower Upper

74 100

45 118.8 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

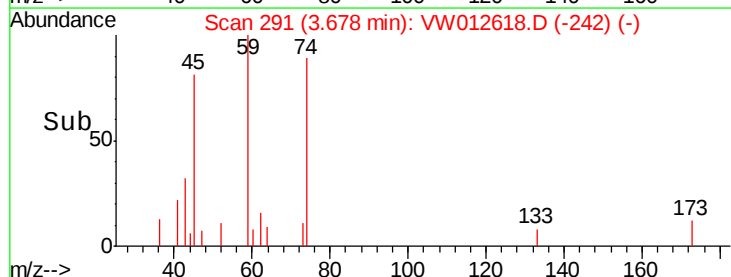
3.60

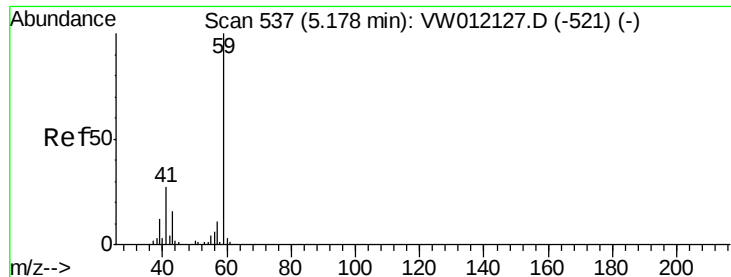
3.65

3.70

3.75

Time-->

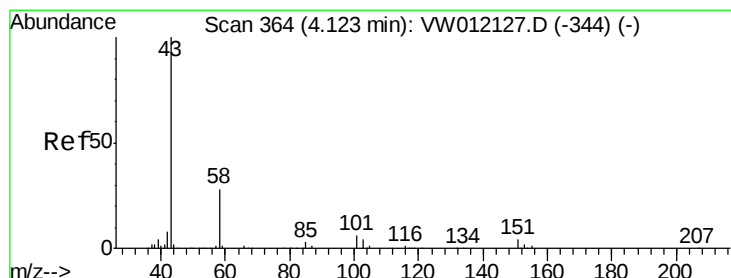
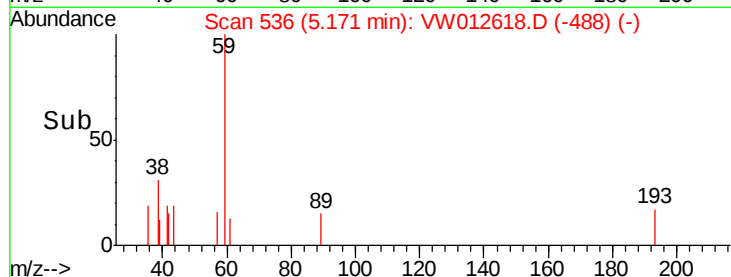
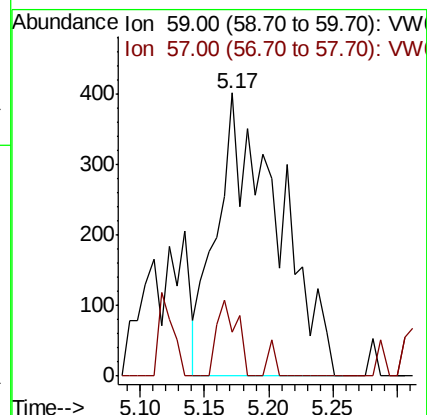
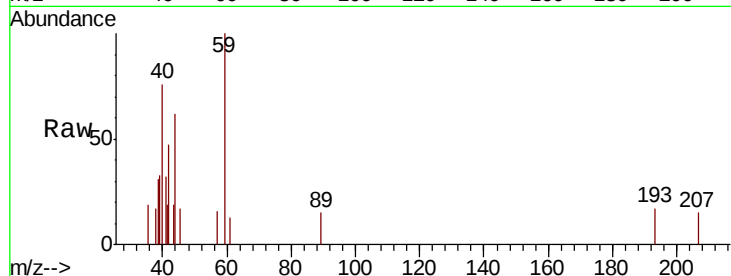




#11
Tert butyl alcohol
Concen: 12.128 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012618.D
Acq: 05 Sep 2019 04:50

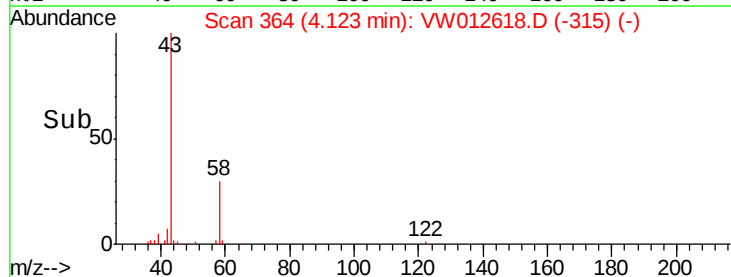
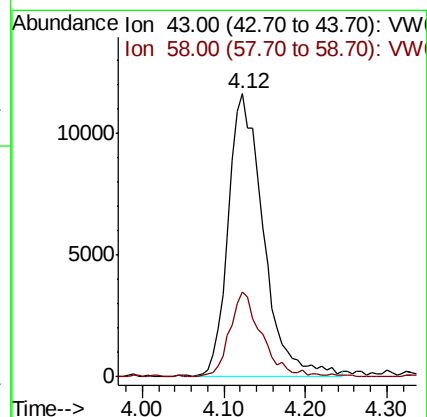
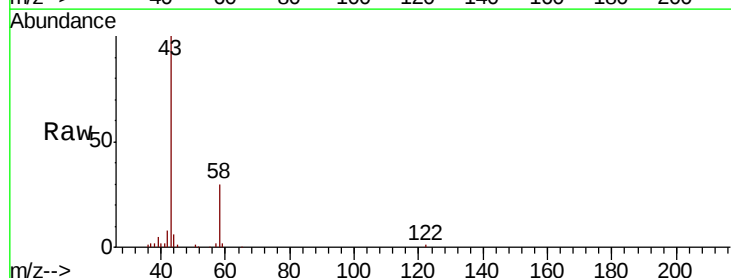
Instrument :
MSVOA_W
ClientSampled :
T3-S-F-(2.5)

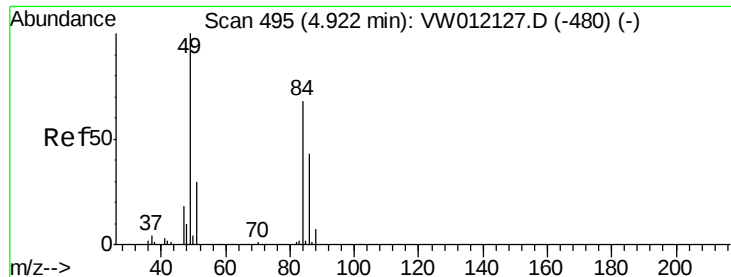
Tgt Ion: 59 Resp: 1316
Ion Ratio Lower Upper
59 100
57 9.2 9.0 13.4



#16
Acetone
Concen: 75.399 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW012618.D
Acq: 05 Sep 2019 04:50

Tgt Ion: 43 Resp: 34751
Ion Ratio Lower Upper
43 100
58 30.2 22.4 33.6

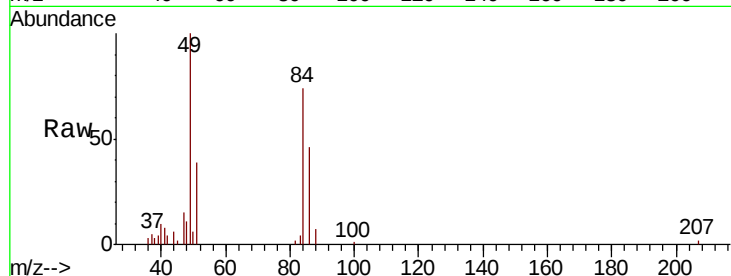




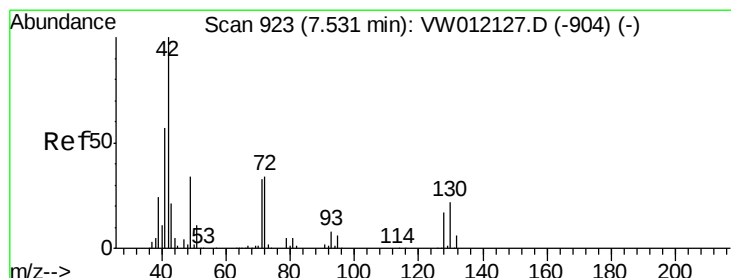
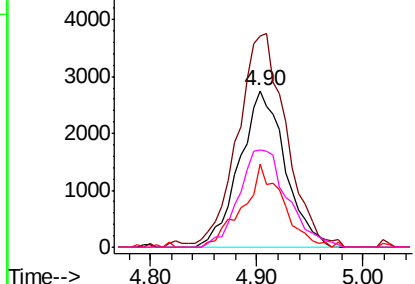
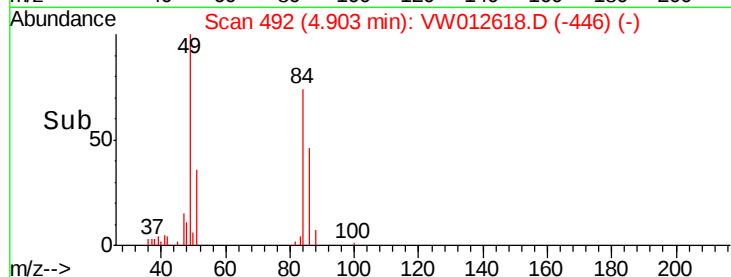
#20
Methylene Chloride
Concen: 4.720 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012618.D
Acq: 05 Sep 2019 04:50

Instrument :
MSVOA_W
ClientSampleId :
T3-S-F-(2.5)

Tgt Ion:	84	Resp:	8224
Ion	Ratio	Lower	Upper
84	100		
49	132.7	117.8	176.8
51	53.0	35.6	53.4
86	62.1	51.2	76.8

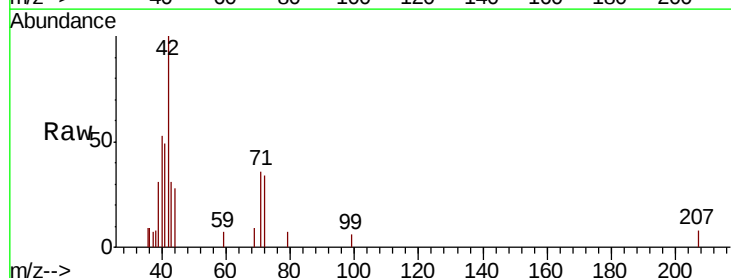


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

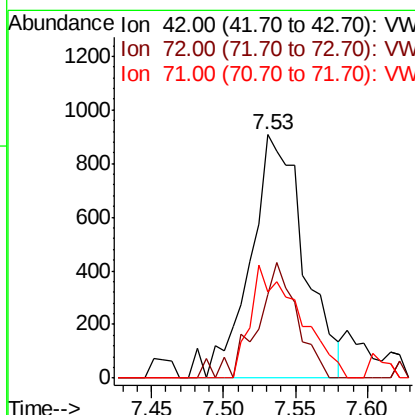
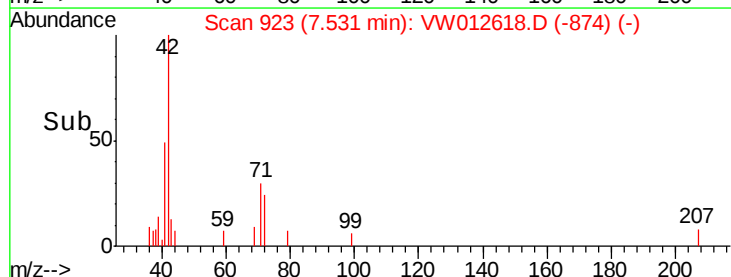


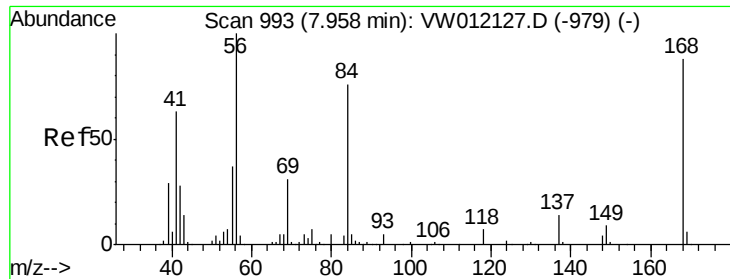
#29
Tetrahydrofuran
Concen: 6.310 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012618.D
Acq: 05 Sep 2019 04:50

Tgt Ion:	42	Resp:	2371
Ion	Ratio	Lower	Upper
42	100		
72	34.6	27.3	40.9
71	41.5	25.5	38.3#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

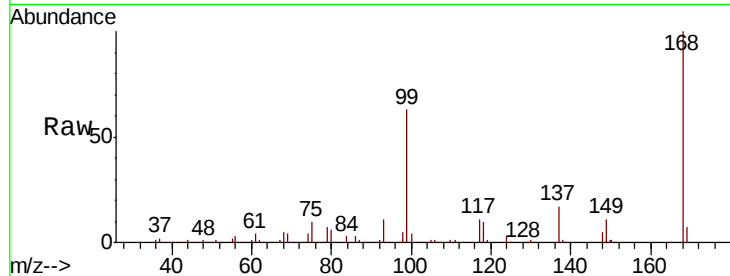




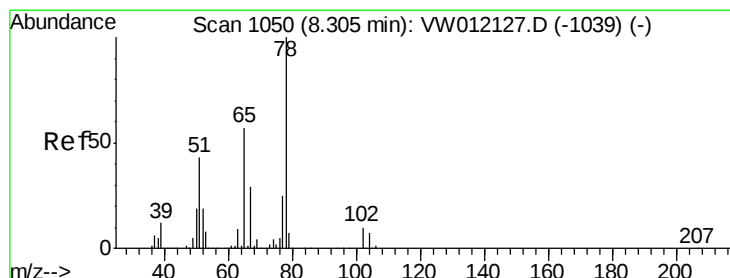
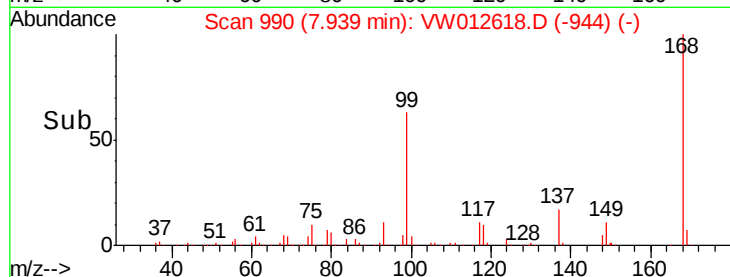
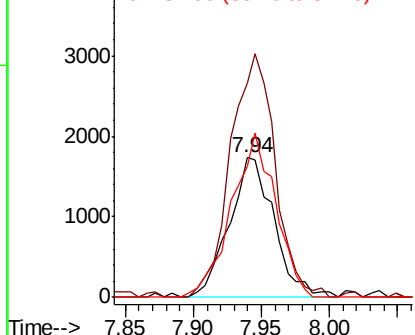
#31
Cyclohexane
Concen: 1.235 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012618.D
Acq: 05 Sep 2019 04:50

Instrument :
MSVOA_W
ClientSampleId :
T3-S-F-(2.5)

Tgt Ion: 56 Resp: 4010
Ion Ratio Lower Upper
56 100
69 153.6 24.9 37.3#
84 93.7 60.6 90.8#

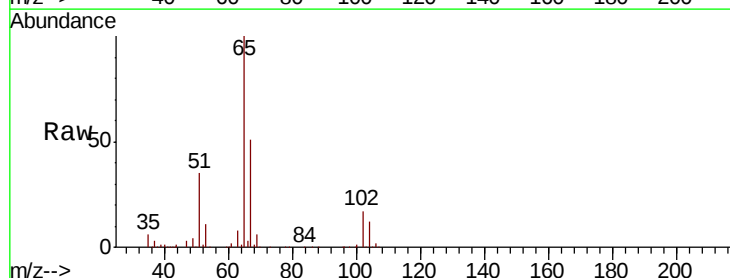


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

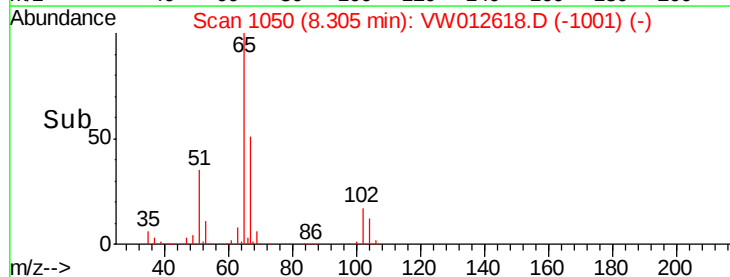
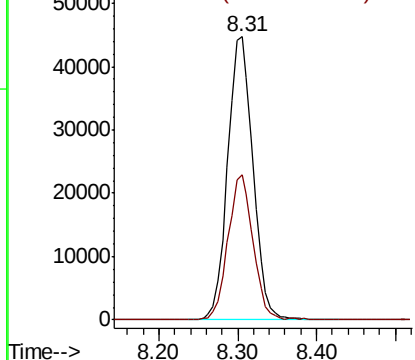


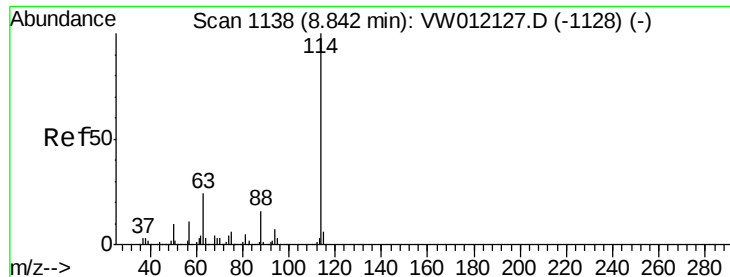
#33
1,2-Dichloroethane-d4
Concen: 55.427 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012618.D
Acq: 05 Sep 2019 04:50

Tgt Ion: 65 Resp: 99938
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.6



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

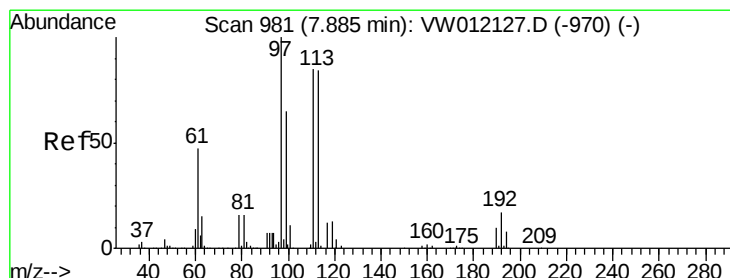
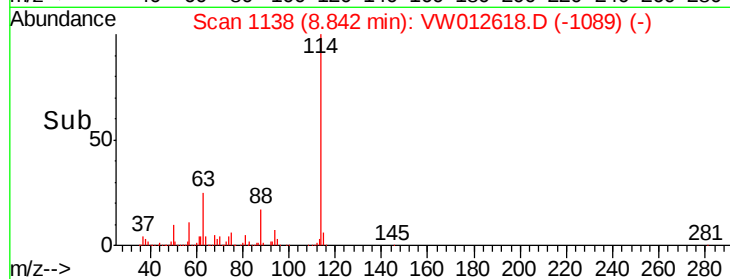
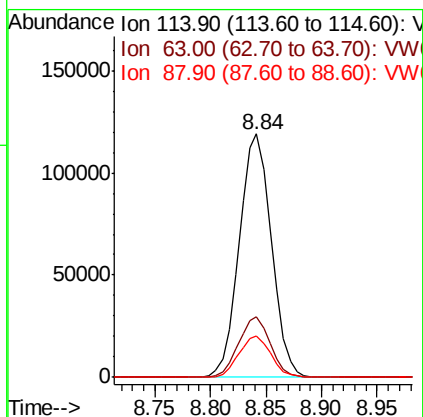
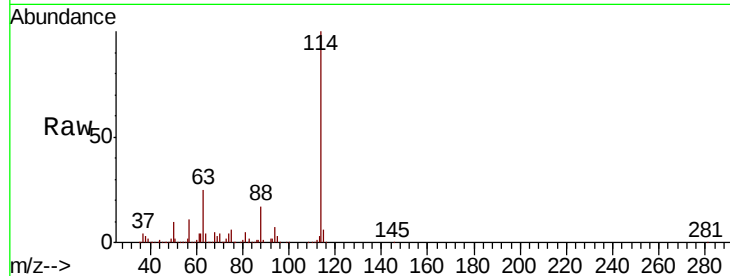




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012618.D
 Acq: 05 Sep 2019 04:50

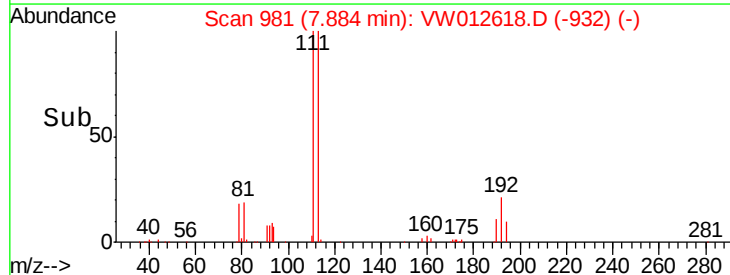
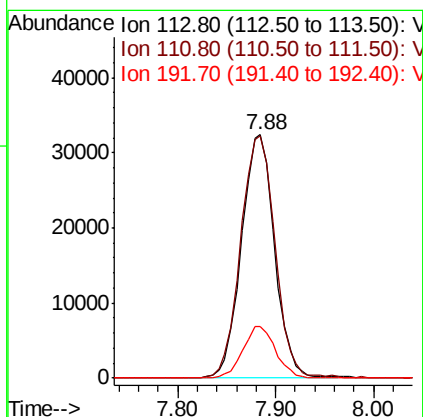
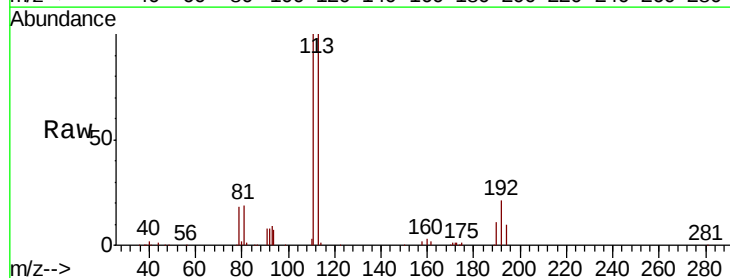
Instrument :
 MSVOA_W
 ClientSampleId :
 T3-S-F-(2.5)

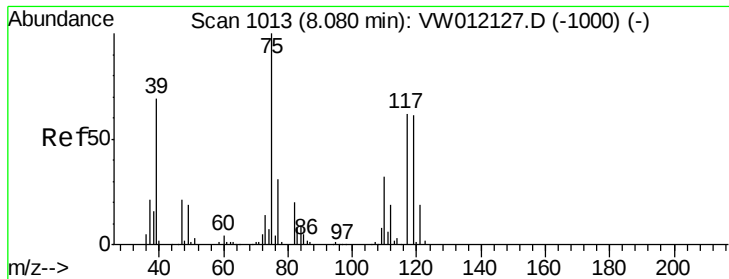
Tgt Ion:114 Resp: 238897
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 48.6
 88 16.8 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 53.393 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012618.D
 Acq: 05 Sep 2019 04:50

Tgt Ion:113 Resp: 76138
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.7 124.1
 192 20.9 16.2 24.2

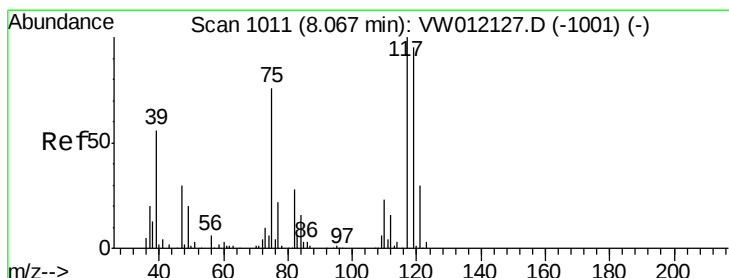
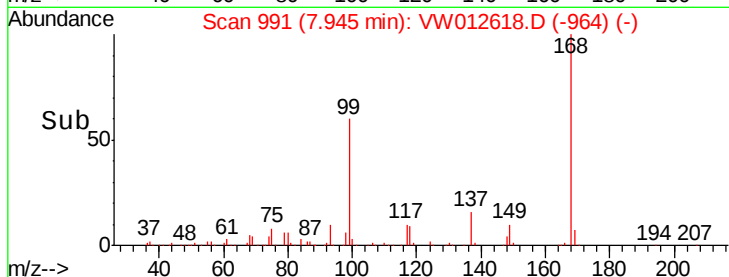
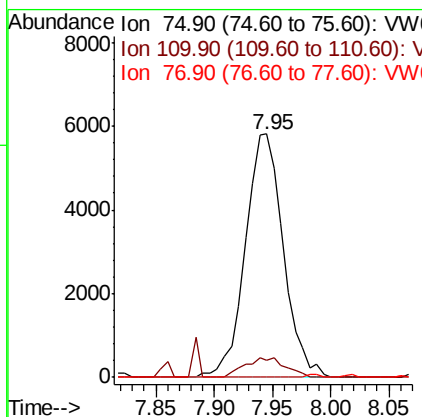
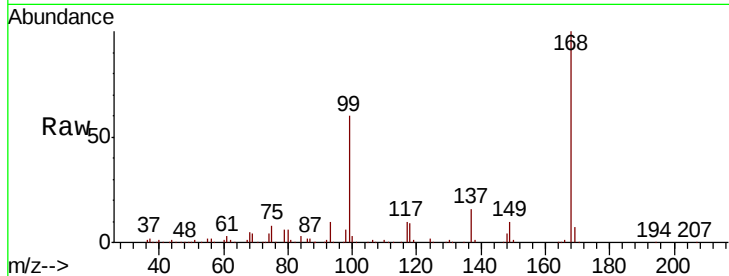




#36
 1,1-Dichloropropene
 Concen: 5.344 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012618.D
 Acq: 05 Sep 2019 04:50

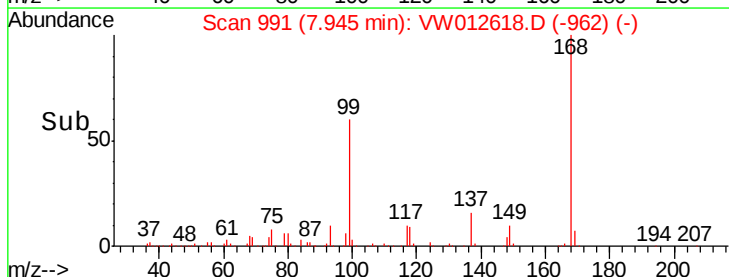
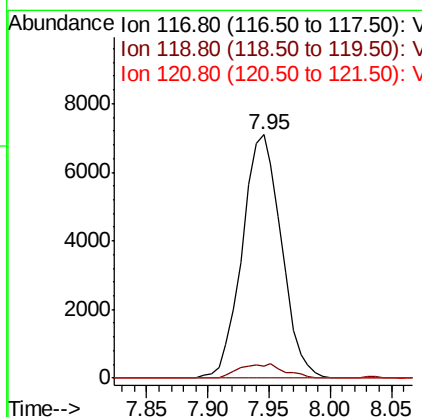
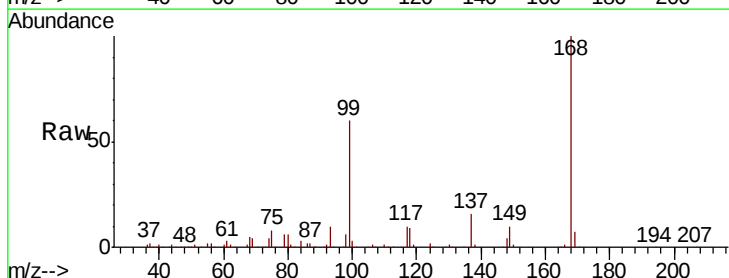
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 MSVOA_W
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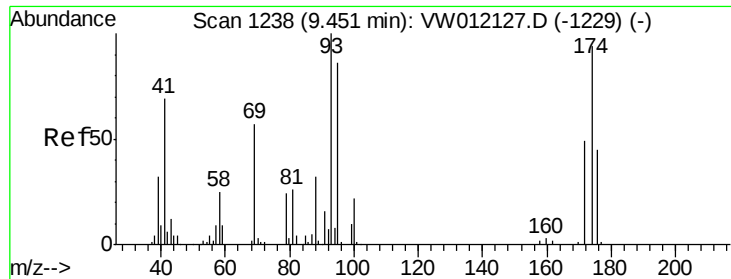
Tgt Ion: 75 Resp: 13192
 Ion Ratio Lower Upper
 75 100
 110 8.6 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.391 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012618.D
 Acq: 05 Sep 2019 04:50

Tgt Ion: 117 Resp: 15792
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.2 114.2#
 121 0.0 23.8 35.8#

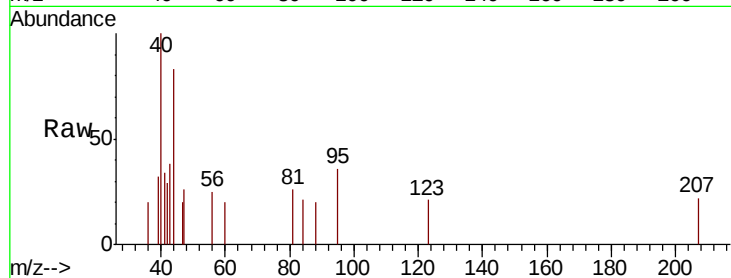




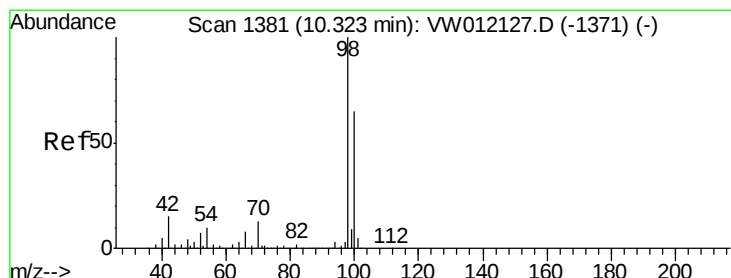
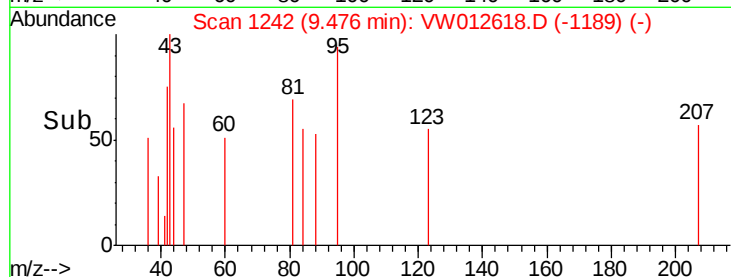
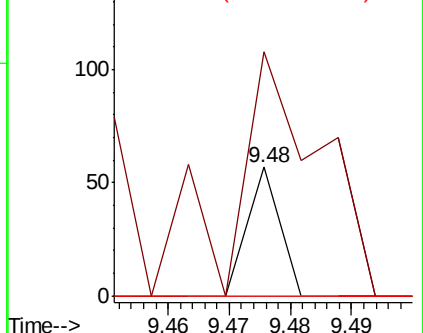
#49
1,4-Dioxane
Concen: 1.699 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.02 min
Lab File: VW012618.D
Acq: 05 Sep 2019 04:50

Instrument :
MSVOA_W
ClientSampleId :
T3-S-F-(2.5)

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 514.3 32.9 49.3#
58 0.0 71.0 106.4#

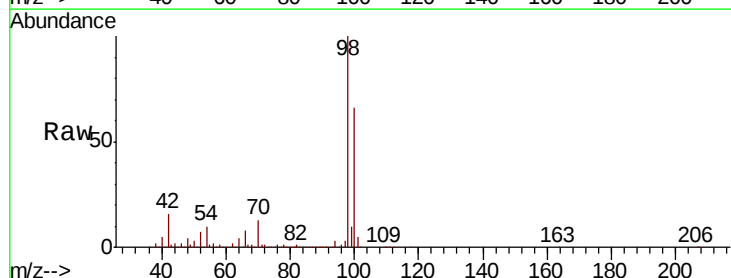


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

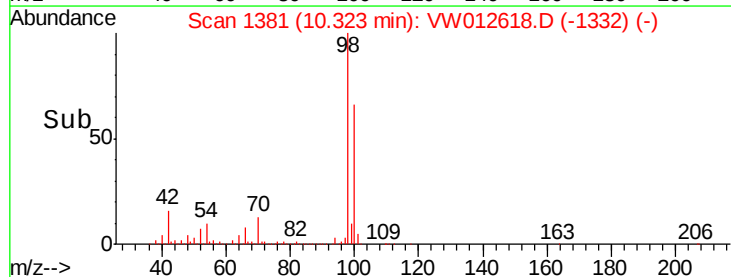
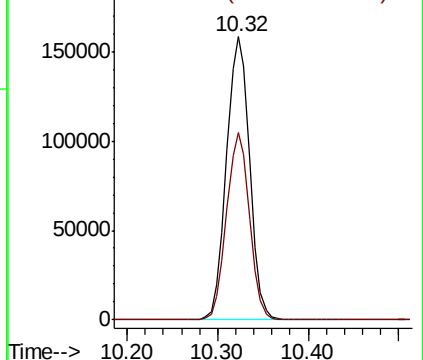


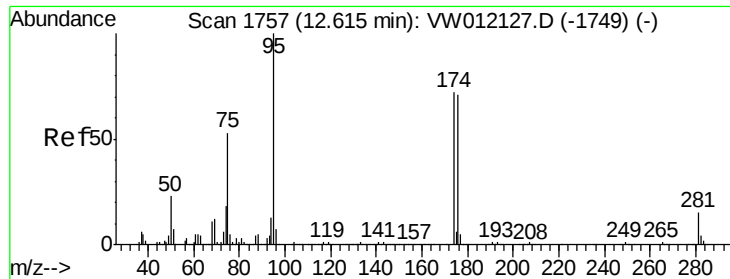
#50
Toluene-d8
Concen: 48.461 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012618.D
Acq: 05 Sep 2019 04:50

Tgt Ion: 98 Resp: 280199
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6



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

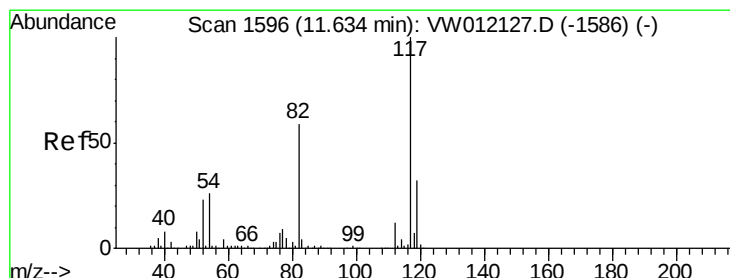
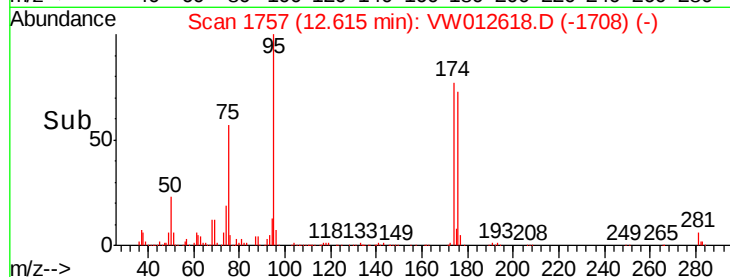
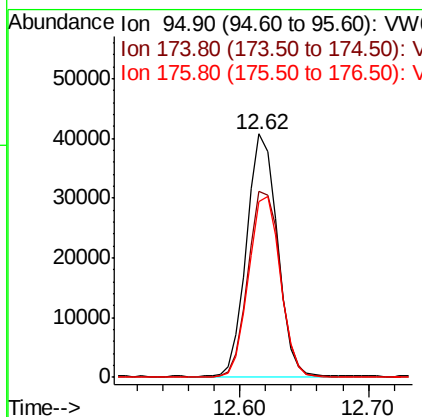
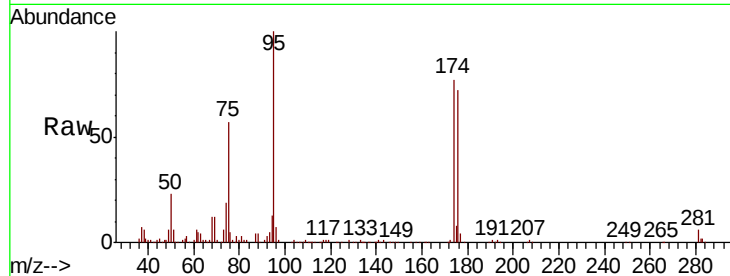




#62
4-Bromofluorobenzene
Concen: 32.784 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012618.D
Acq: 05 Sep 2019 04:50

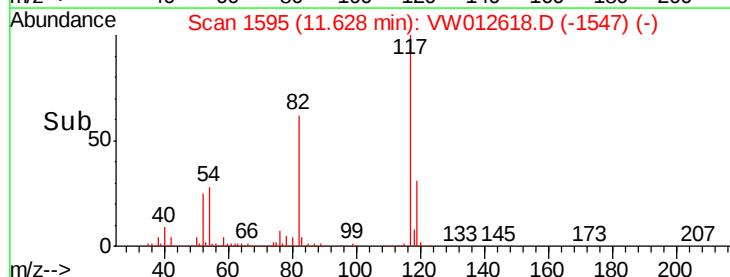
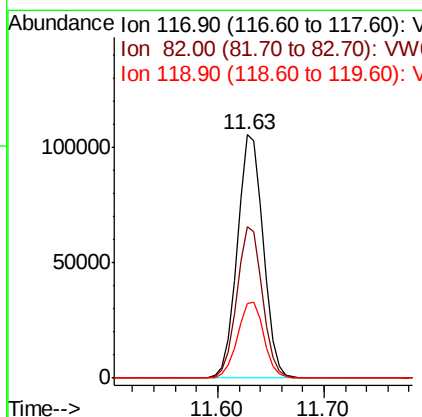
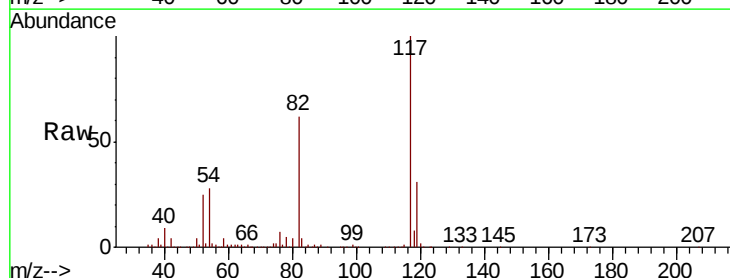
Instrument :
MSVOA_W
ClientSampled :
T3-S-F-(2.5)

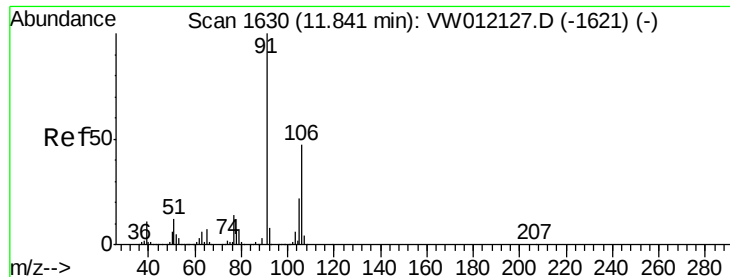
Tgt Ion: 95 Resp: 66819
Ion Ratio Lower Upper
95 100
174 80.8 0.0 150.8
176 77.0 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012618.D
Acq: 05 Sep 2019 04:50

Tgt Ion: 117 Resp: 180664
Ion Ratio Lower Upper
117 100
82 62.4 47.4 71.2
119 30.9 25.4 38.2

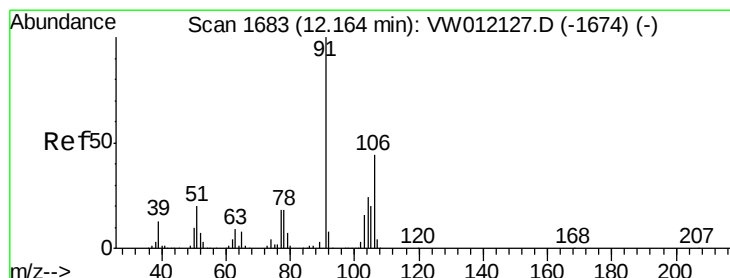
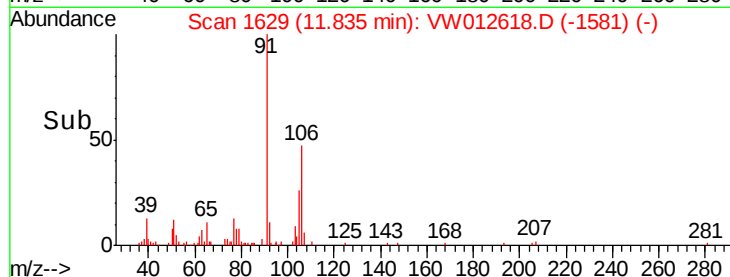
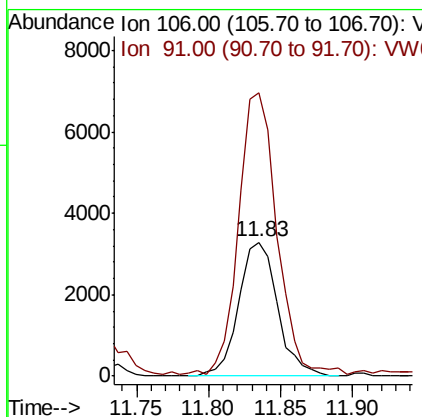
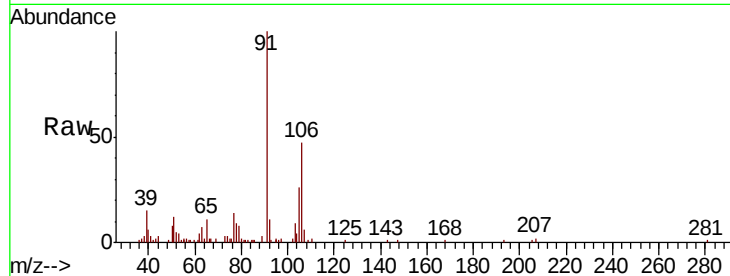




#68
m/p-Xylenes
Concen: 2.489 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012618.D
Acq: 05 Sep 2019 04:50

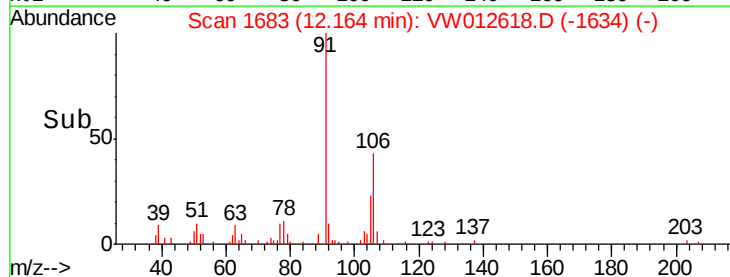
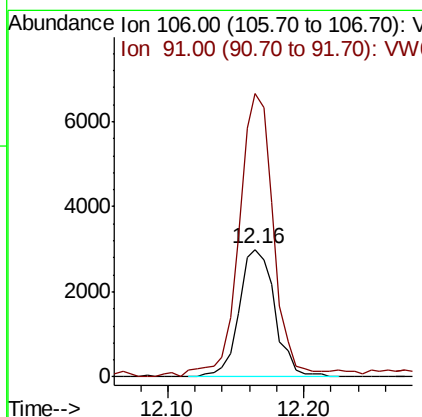
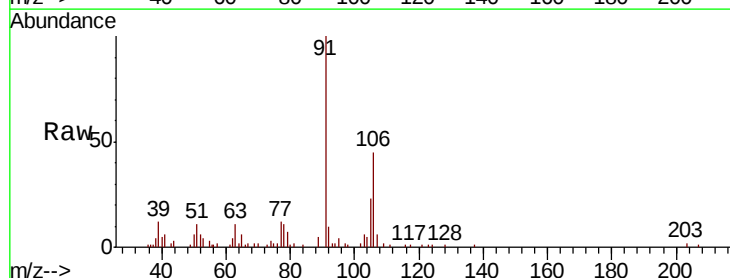
Instrument :
MSVOA_W
ClientSampled :
T3-S-F-(2.5)

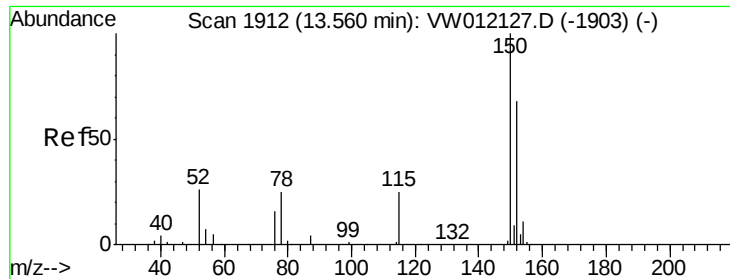
Tgt Ion:106 Resp: 6144
Ion Ratio Lower Upper
106 100
91 205.3 169.5 254.3



#69
o-Xylene
Concen: 2.403 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012618.D
Acq: 05 Sep 2019 04:50

Tgt Ion:106 Resp: 5490
Ion Ratio Lower Upper
106 100
91 215.8 111.6 334.6



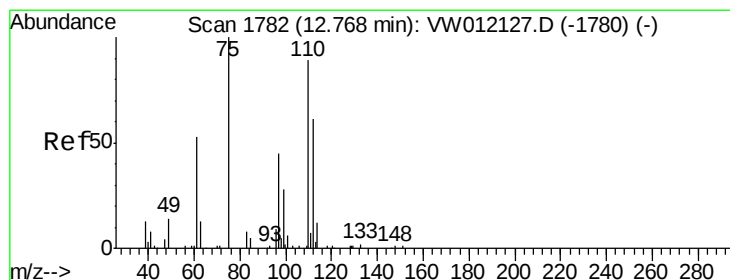
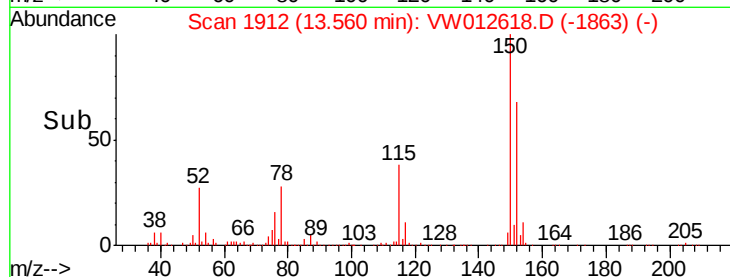
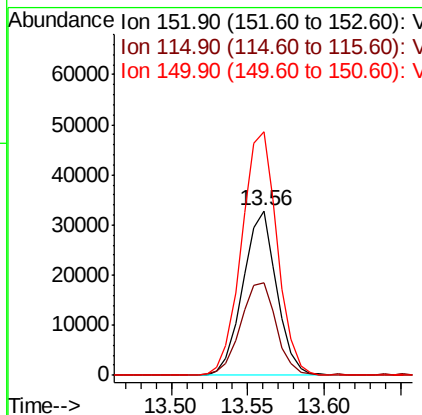
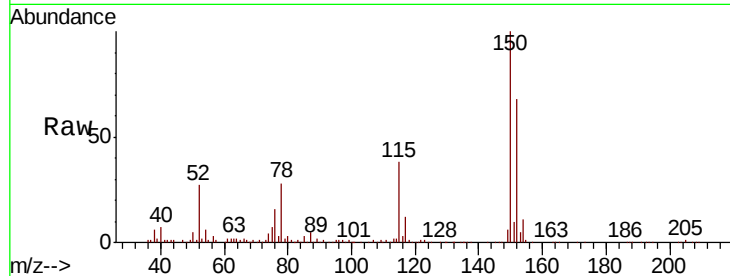


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012618.D
Acq: 05 Sep 2019 04:50

Instrument :
MSVOA_W
ClientSampleId :
T3-S-F-(2.5)

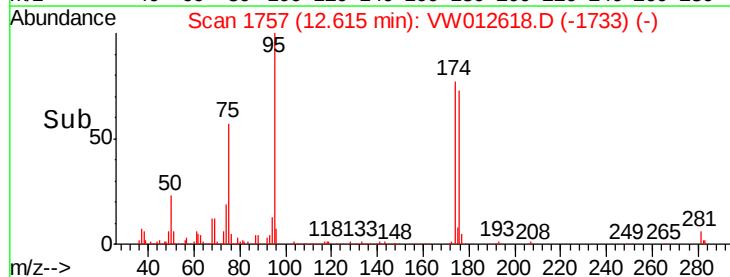
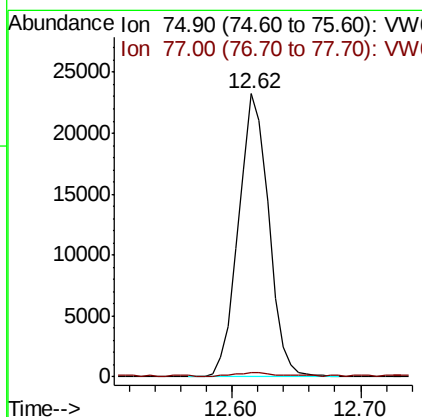
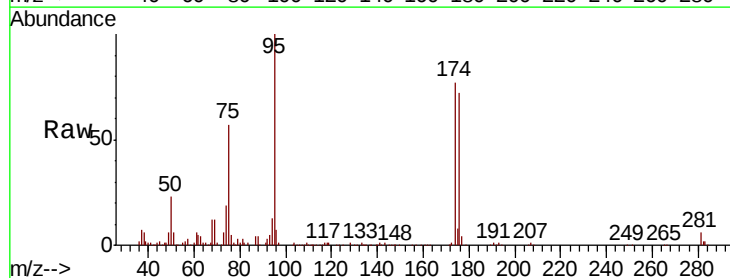
Tgt Ion:152 Resp: 50134
Ion Ratio Lower Upper
152 100
115 59.9 30.1 90.3
150 156.6 0.0 345.8

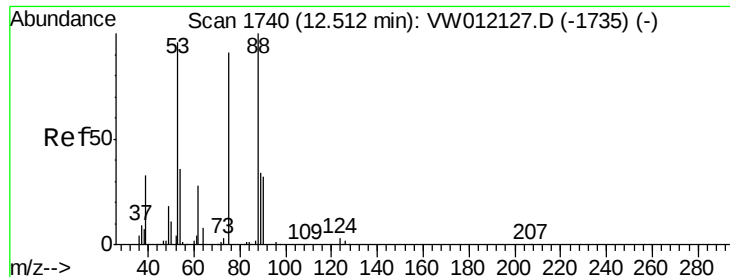


#76

1,2,3-Trichloropropane
Concen: 77.244 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012618.D
Acq: 05 Sep 2019 04:50

Tgt Ion: 75 Resp: 37716
Ion Ratio Lower Upper
75 100
77 2.5 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 169.361 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012618.D

Acq: 05 Sep 2019 04:50

Instrument :

MSVOA_W

ClientSampled :

T3-S-F-(2.5)

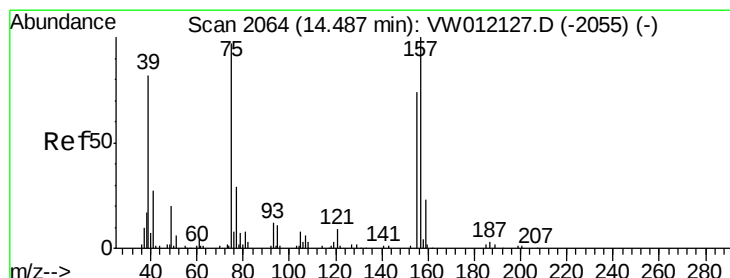
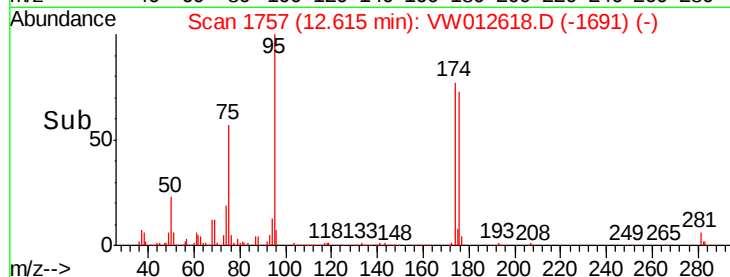
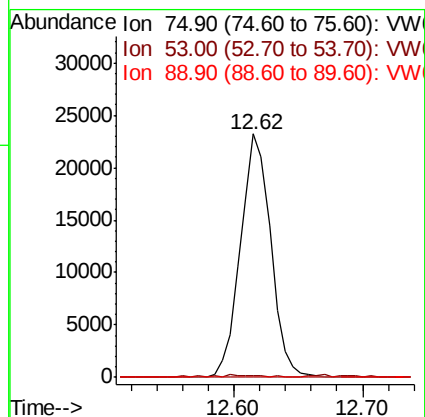
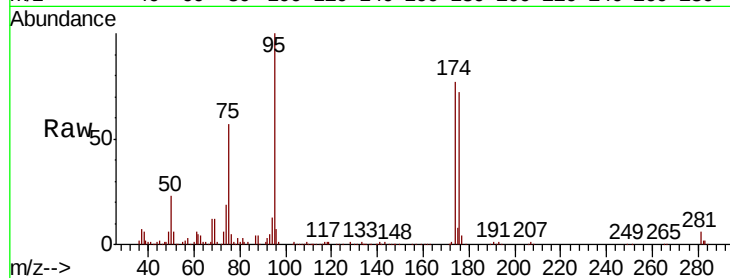
Tgt Ion: 75 Resp: 37716

Ion Ratio Lower Upper

75 100

53 1.3 89.4 134.0#

89 0.1 34.5 51.7#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.180 ug/l

RT: 14.36 min Scan# 2043

Delta R.T. -0.13 min

Lab File: VW012618.D

Acq: 05 Sep 2019 04:50

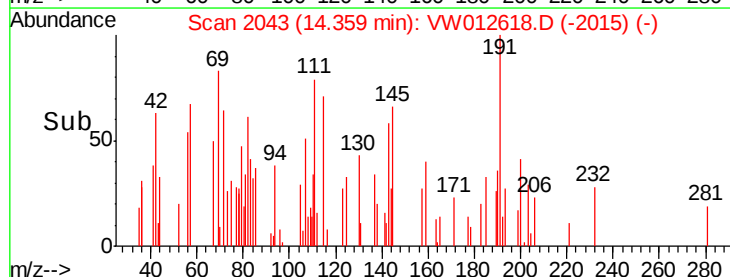
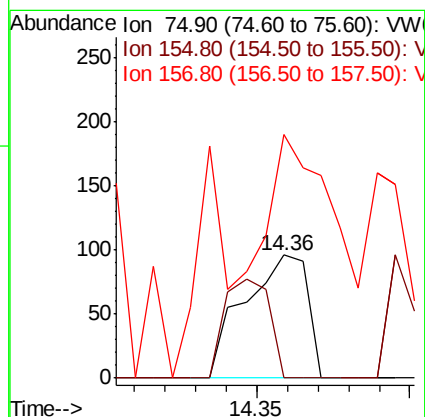
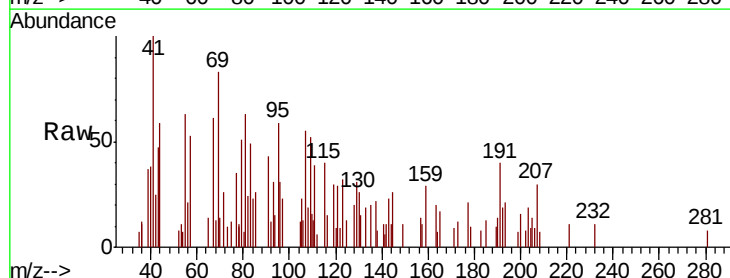
Tgt Ion: 75 Resp: 137

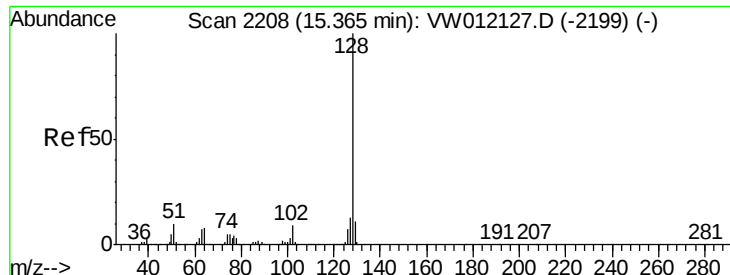
Ion Ratio Lower Upper

75 100

155 56.9 37.5 112.3

157 104.4 50.5 151.5





#95

Naphthalene

Concen: 4.607 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012618.D

Acq: 05 Sep 2019 04:50

Instrument :

MSVOA_W

ClientSampleId :

T3-S-F-(2.5)

Tgt Ion:128 Resp: 591

Ion Ratio Lower Upper

128 100

127 26.7 10.7 16.1#

129 0.0 8.7 13.1#

