

Data File : VW012181.D
Acq On : 26 Aug 2019 19:57
Operator : SY/VA
Sample : K4474-08RE
Misc : 5.35G/5ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F4-(2.5)RE

Quant Time: Aug 27 04:59:04 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	211479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	349894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	263271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	77977	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138251	54.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.98%	
35) Dibromofluoromethane	7.88	113	110429	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
50) Toluene-d8	10.32	98	424085	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.62	95	108838	36.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.92%	

Target Compounds

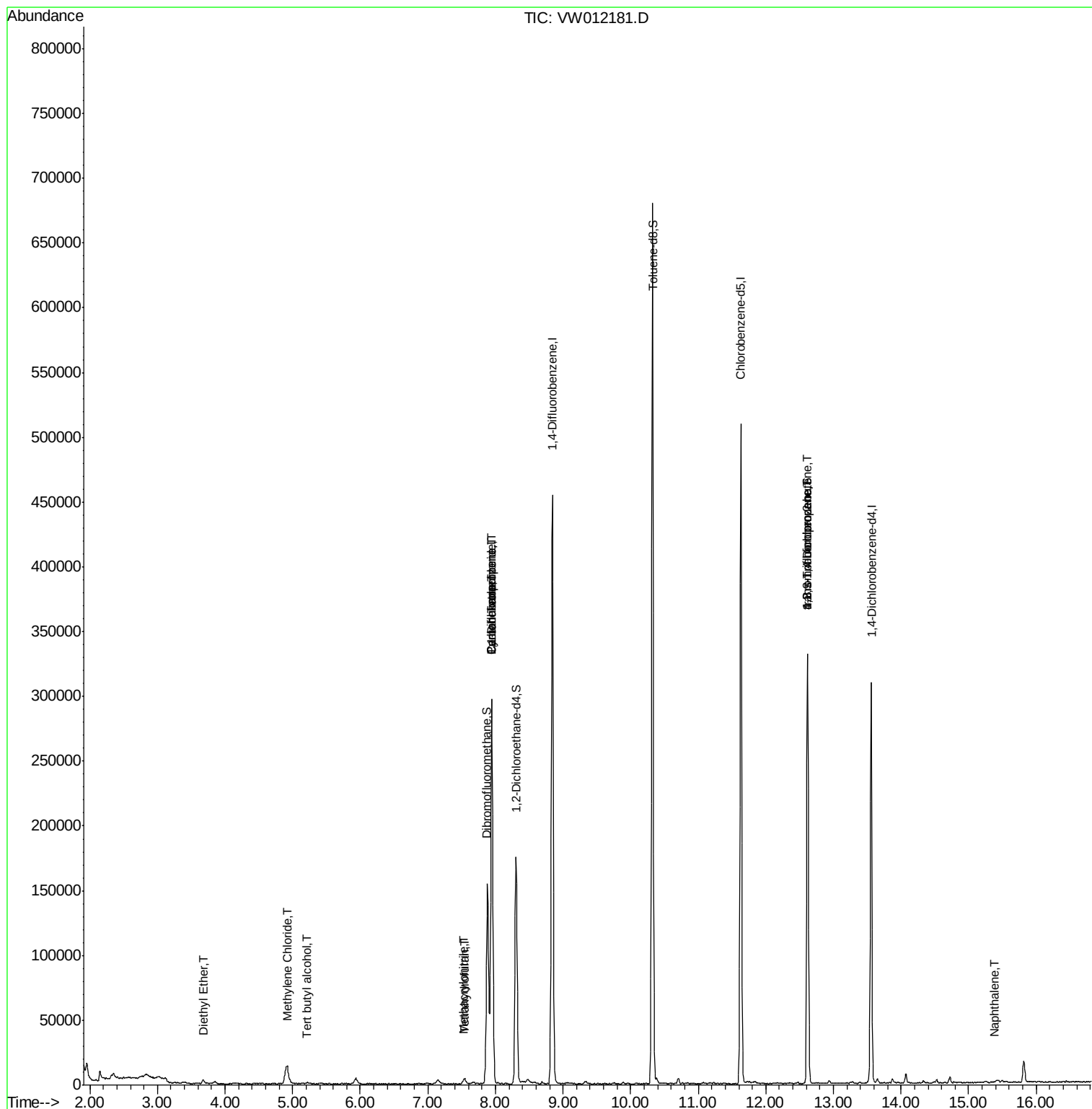
						Qvalue
8) Diethyl Ether	3.68	74	1388	1.179	ug/l	54
11) Tert butyl alcohol	5.21	59	1727	11.415	ug/l #	77
20) Methylene Chloride	4.92	84	10812	4.451	ug/l	92
29) Tetrahydrofuran	7.54	42	3860	7.368	ug/l	99
31) Cyclohexane	7.95	56	5610	1.239	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18073	4.998	ug/l #	51
38) Carbon Tetrachloride	7.94	117	21443	6.852	ug/l #	17
41) Methacrylonitrile	7.53	41	2580	2.215	ug/l #	58
76) 1,2,3-Trichloropropane	12.62	75	58475	76.997	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	58475	168.820	ug/l #	6
95) Naphthalene	15.37	128	345	4.428	ug/l #	69

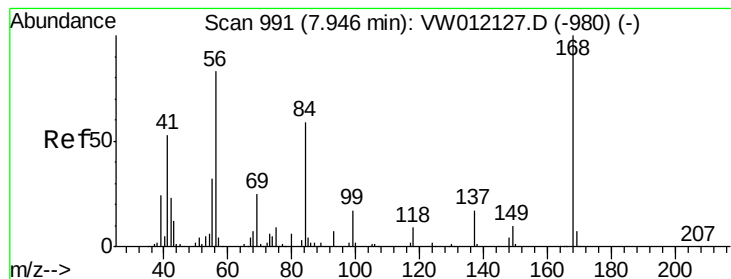
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW012181.D
Acq On : 26 Aug 2019 19:57
Operator : SY/VA
Sample : K4474-08RE
Misc : 5.35G/5ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F4-(2.5)RE

Quant Time: Aug 27 04:59:04 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012181.D

Acq: 26 Aug 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

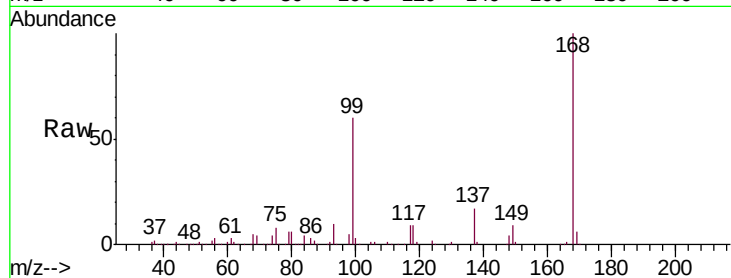
T1-2-F4-(2.5)RE

Tgt Ion:168 Resp: 211479

Ion Ratio Lower Upper

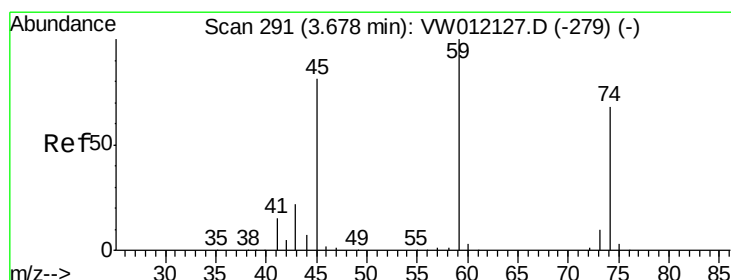
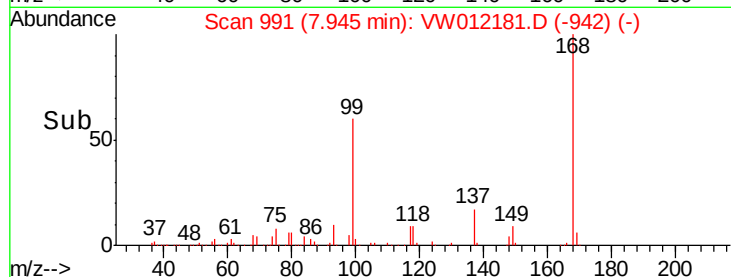
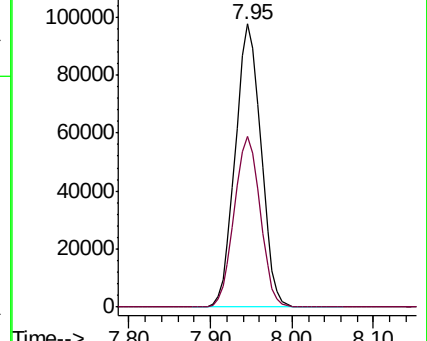
168 100

99 60.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.179 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012181.D

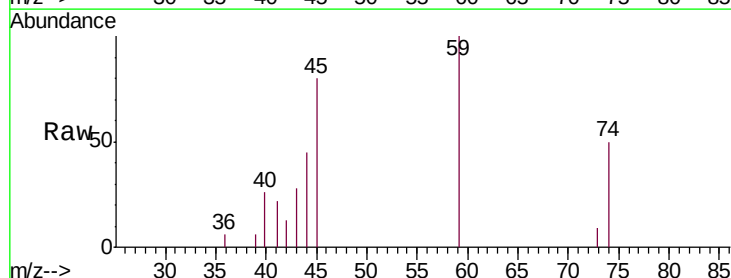
Acq: 26 Aug 2019 19:57

Tgt Ion: 74 Resp: 1388

Ion Ratio Lower Upper

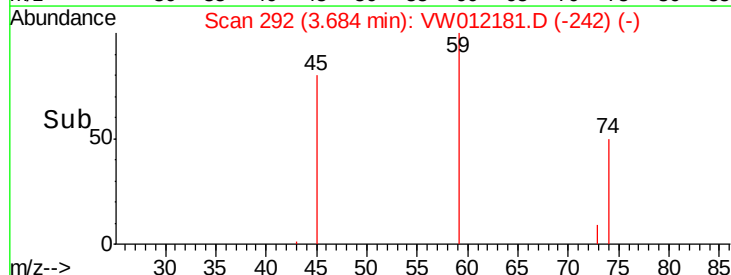
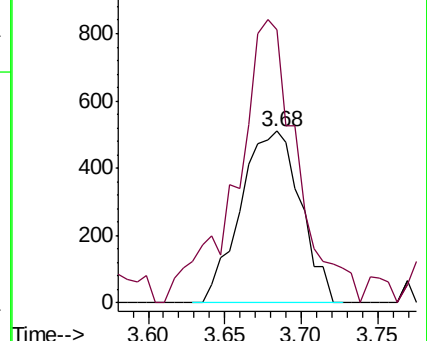
74 100

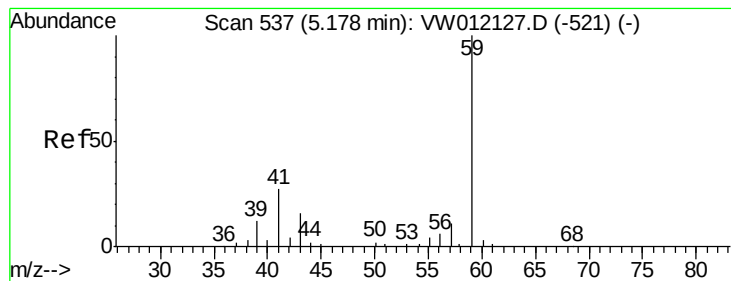
45 168.8 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



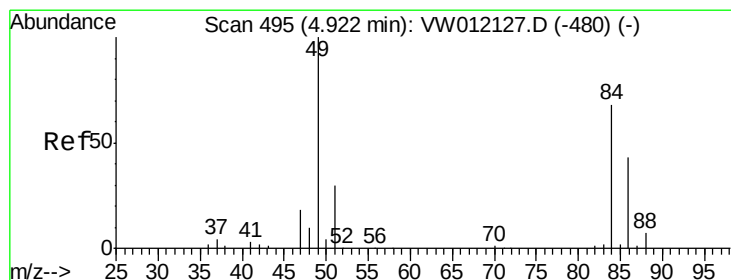
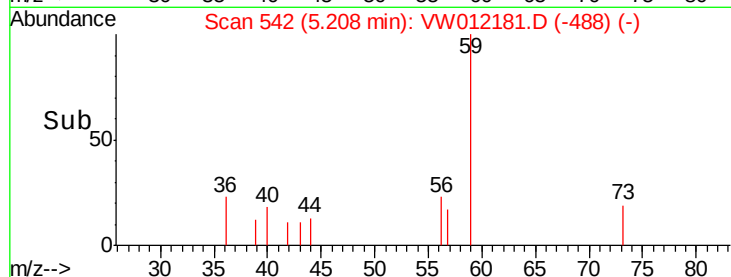
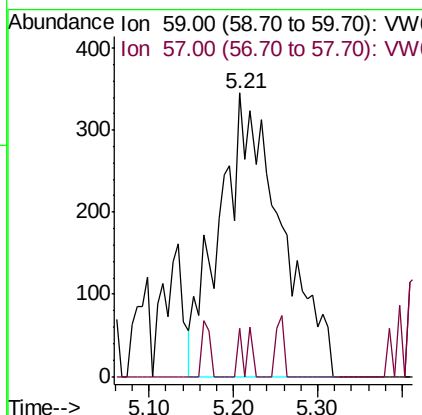
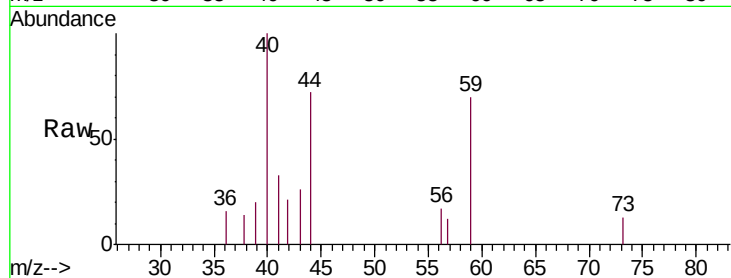


#11

Tert butyl alcohol
 Concen: 11.415 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. 0.03 min
 Lab File: VW012181.D
 Acq: 26 Aug 2019 19:57

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-F4-(2.5)RE

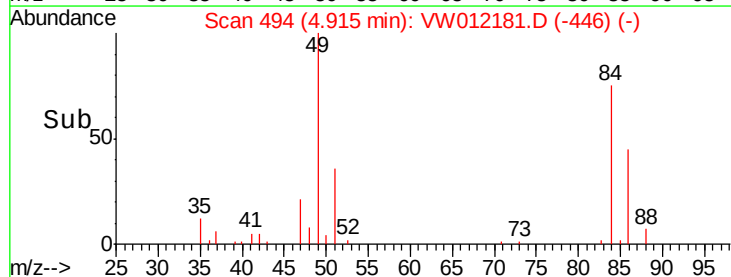
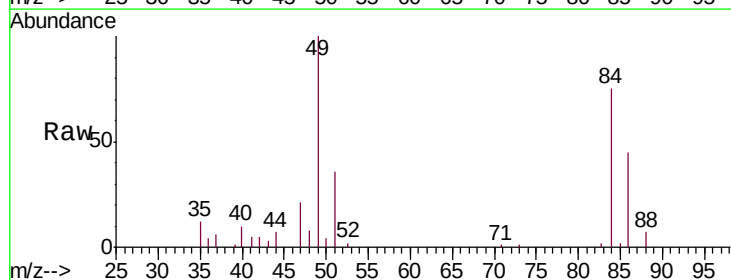
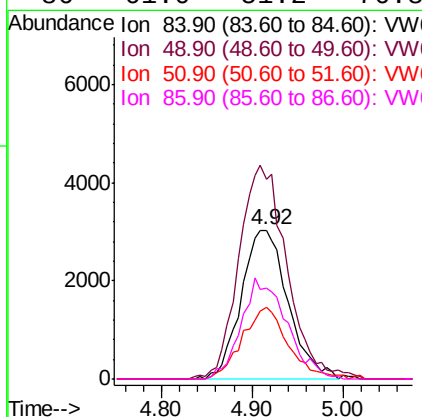
Tgt Ion: 59 Resp: 1727
 Ion Ratio Lower Upper
 59 100
 57 2.5 9.0 13.4#

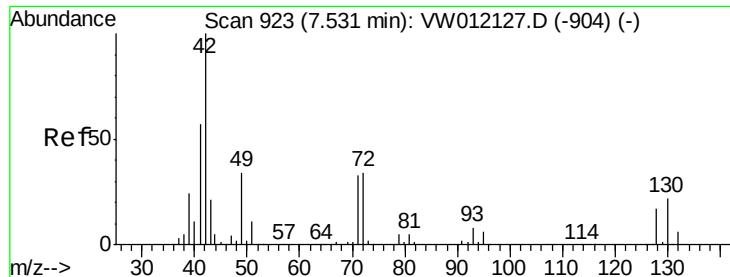


#20

Methylene Chloride
 Concen: 4.451 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW012181.D
 Acq: 26 Aug 2019 19:57

Tgt Ion: 84 Resp: 10812
 Ion Ratio Lower Upper
 84 100
 49 134.0 117.8 176.8
 51 48.3 35.6 53.4
 86 61.0 51.2 76.8





#29

Tetrahydrofuran

Concen: 7.368 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012181.D

Acq: 26 Aug 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

T1-2-F4-(2.5)RE

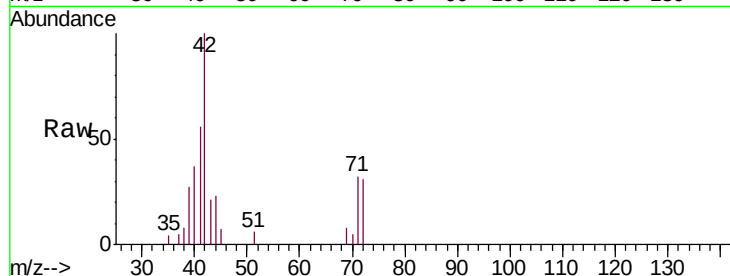
Tgt Ion: 42 Resp: 3860

Ion Ratio Lower Upper

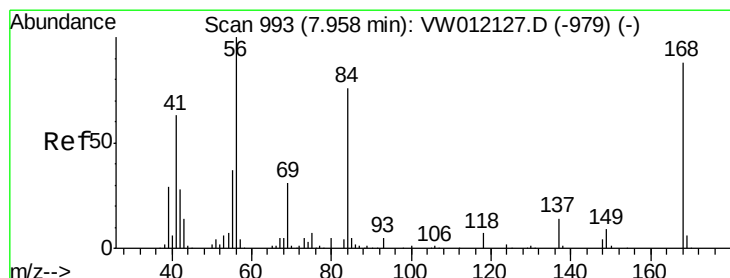
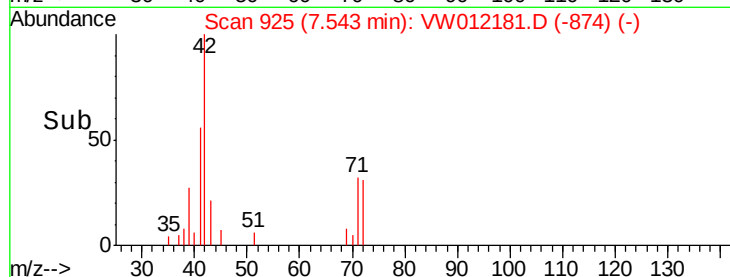
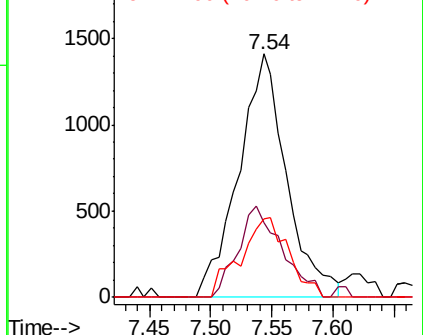
42 100

72 34.4 27.3 40.9

71 32.8 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: 1.239 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012181.D

Acq: 26 Aug 2019 19:57

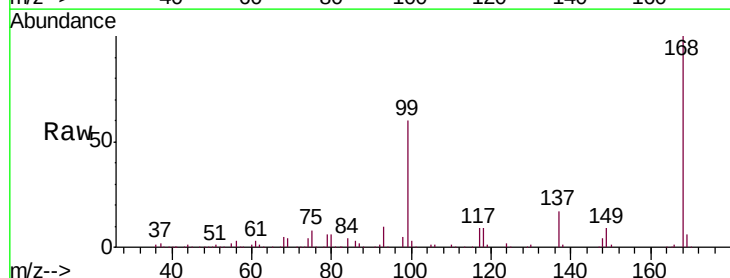
Tgt Ion: 56 Resp: 5610

Ion Ratio Lower Upper

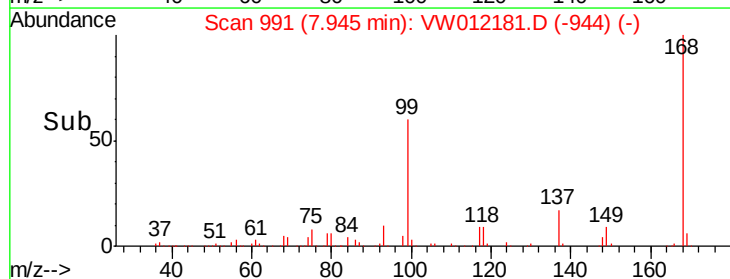
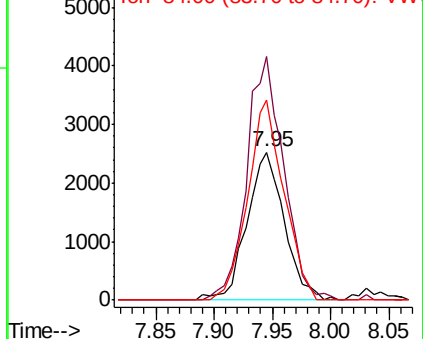
56 100

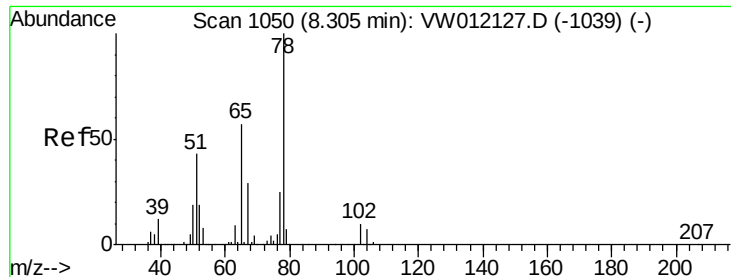
69 164.5 24.9 37.3#

84 135.5 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

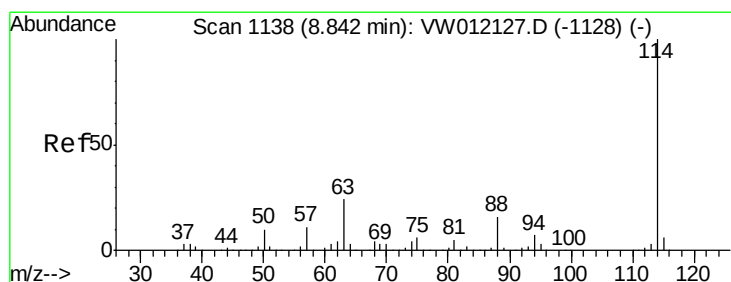
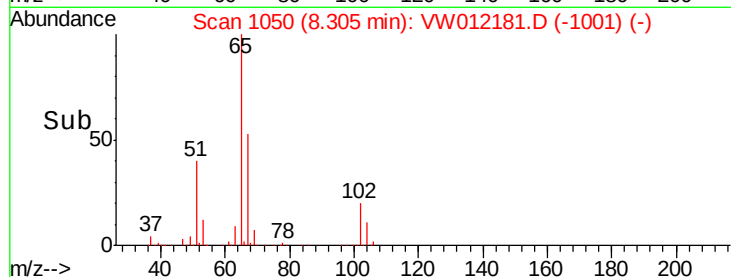
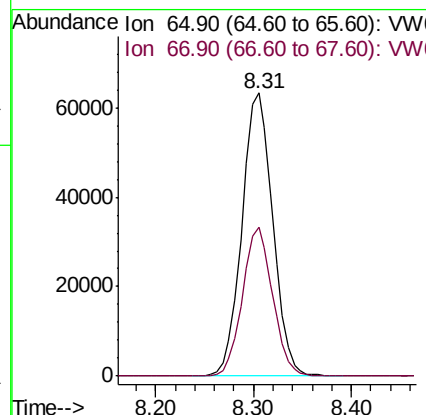
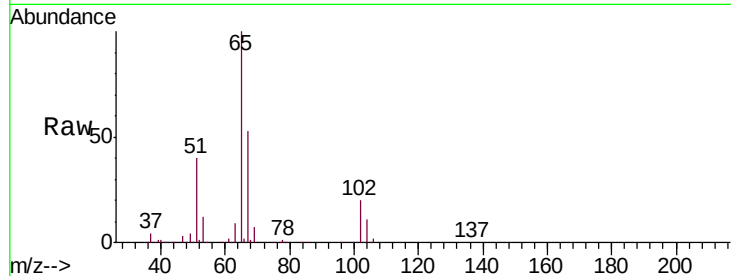




#33
 1,2-Dichloroethane-d4
 Concen: 54.993 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012181.D
 Acq: 26 Aug 2019 19:57

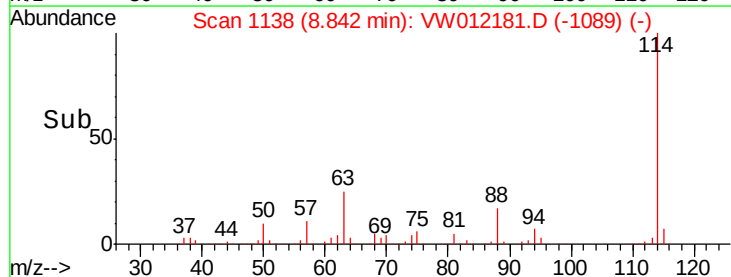
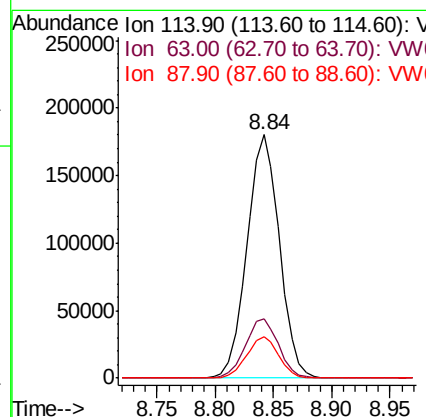
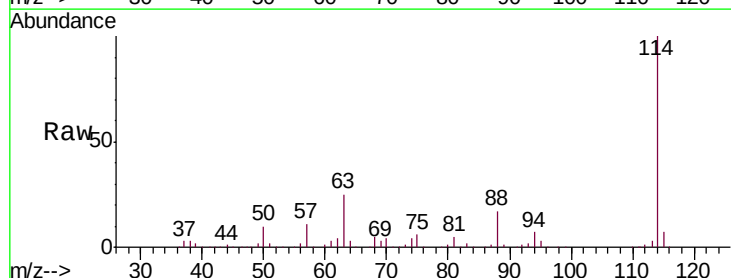
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-F4-(2.5)RE

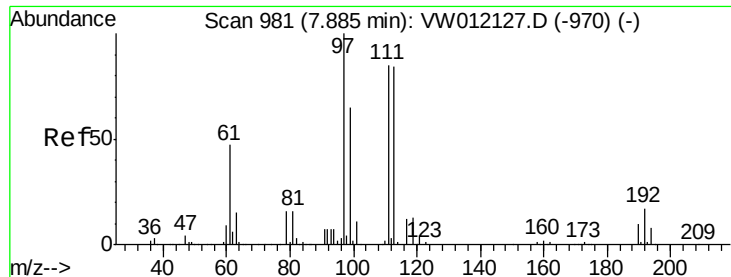
Tgt Ion: 65 Resp: 138251
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012181.D
 Acq: 26 Aug 2019 19:57

Tgt Ion: 114 Resp: 349894
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 48.6
 88 16.9 0.0 32.2





#35

Dibromofluoromethane

Concen: 52.874 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012181.D

Acq: 26 Aug 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

T1-2-F4-(2.5)RE

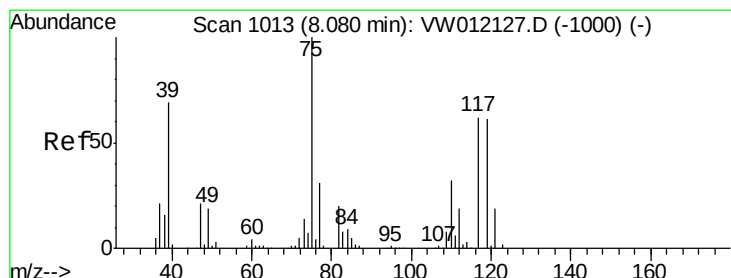
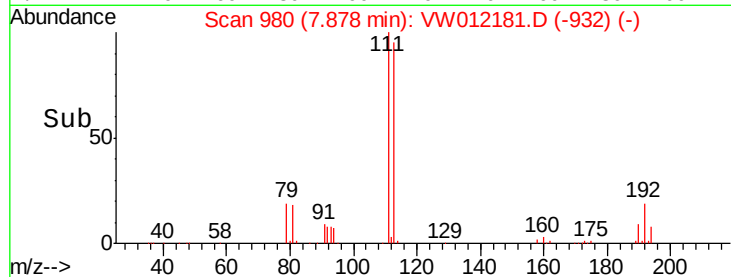
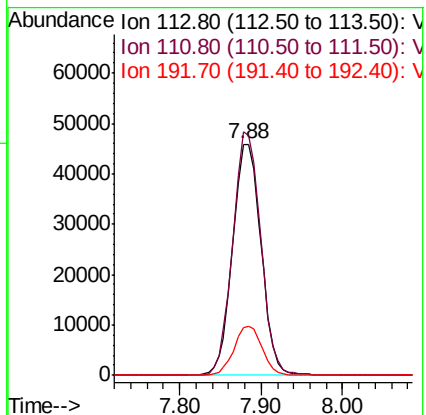
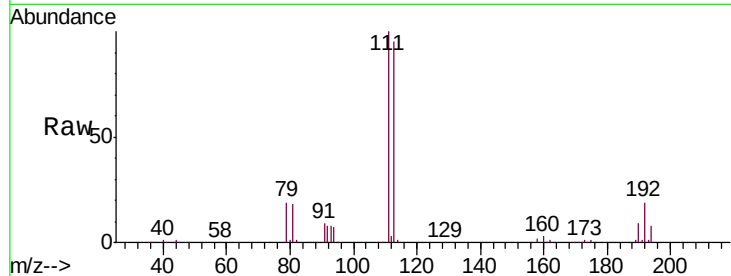
Tgt Ion:113 Resp: 110429

Ion Ratio Lower Upper

113 100

111 103.8 82.7 124.1

192 20.8 16.2 24.2



#36

1,1-Dichloropropene

Concen: 4.998 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012181.D

Acq: 26 Aug 2019 19:57

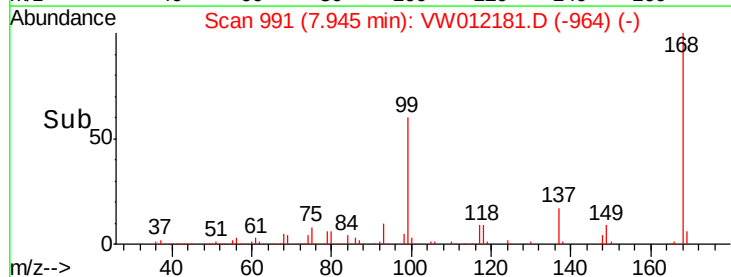
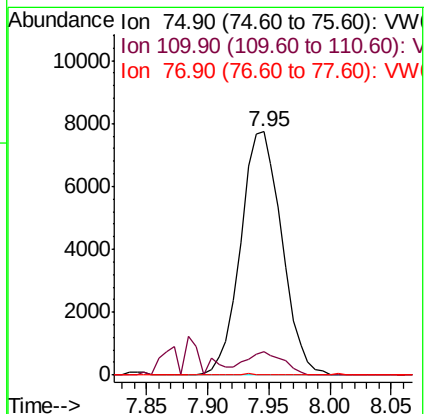
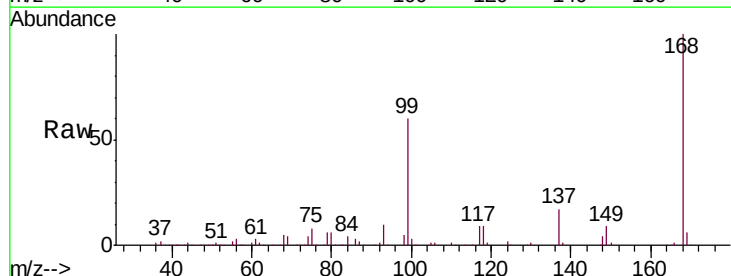
Tgt Ion: 75 Resp: 18073

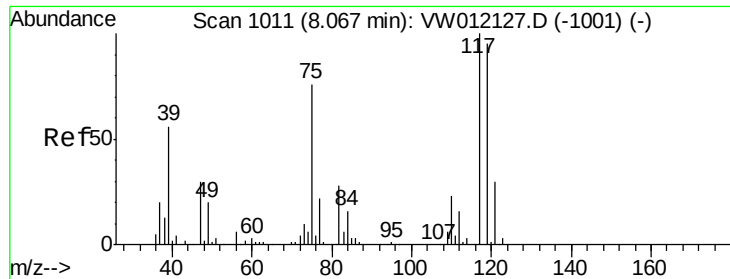
Ion Ratio Lower Upper

75 100

110 8.5 15.6 46.8#

77 0.1 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.852 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012181.D

Acq: 26 Aug 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

T1-2-F4-(2.5)RE

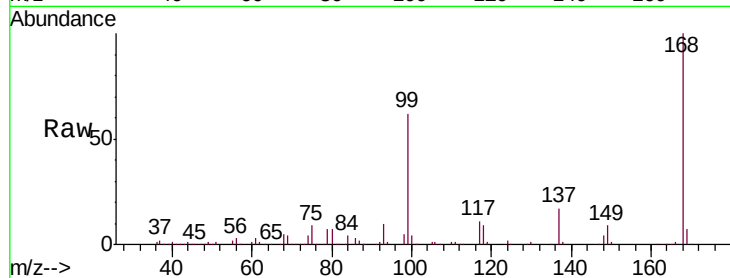
Tgt Ion:117 Resp: 21443

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

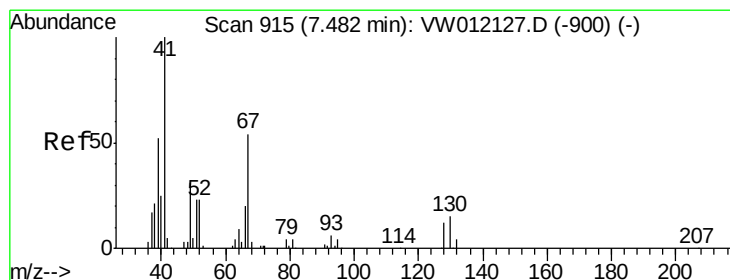
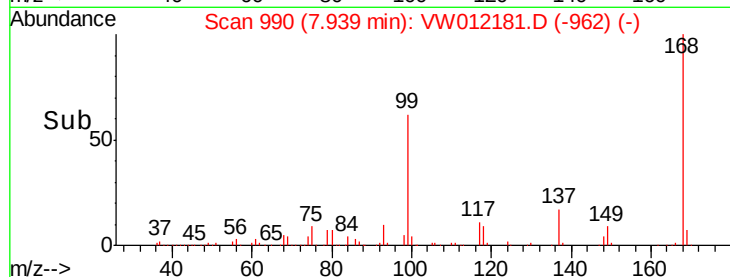
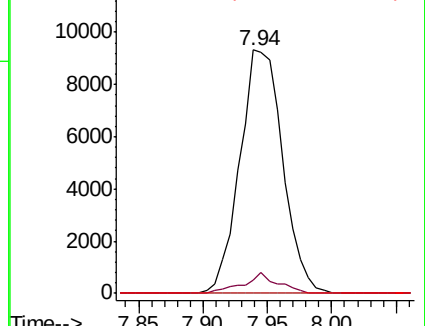
121 0.0 23.8 35.8#



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: 2.215 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012181.D

Acq: 26 Aug 2019 19:57

Tgt Ion: 41 Resp: 2580

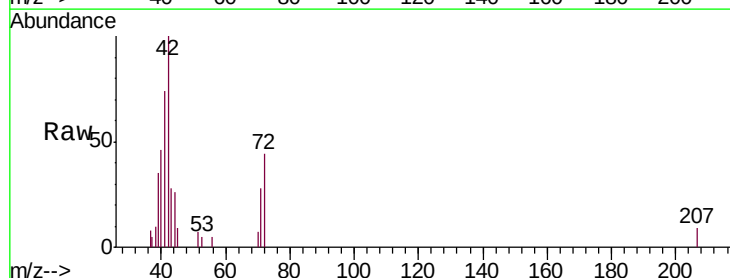
Ion Ratio Lower Upper

41 100

39 56.9 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

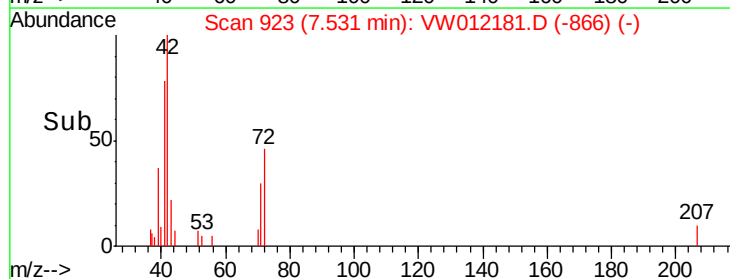
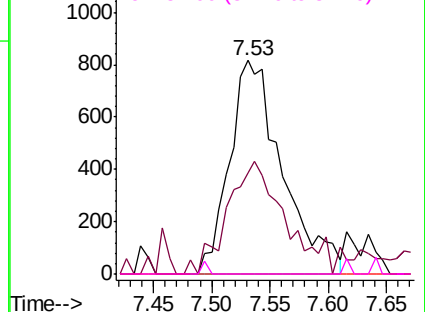


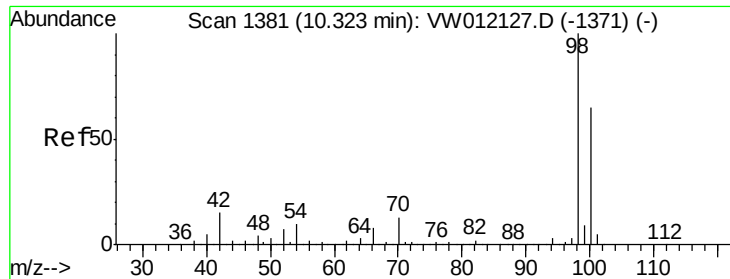
Abundance Ion 41.00 (40.70 to 41.70): VW

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

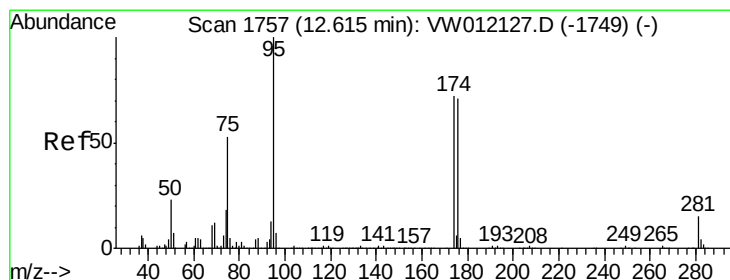
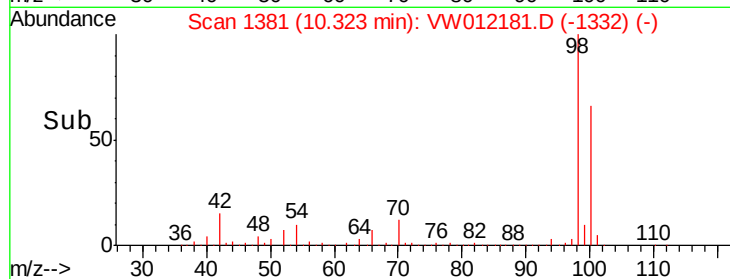
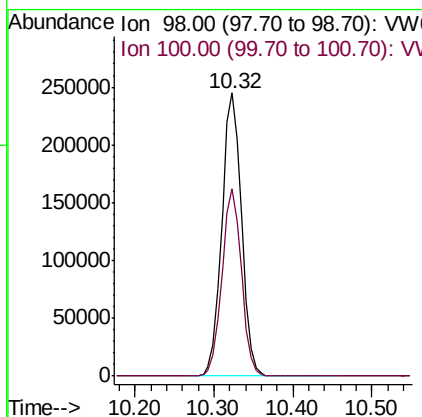
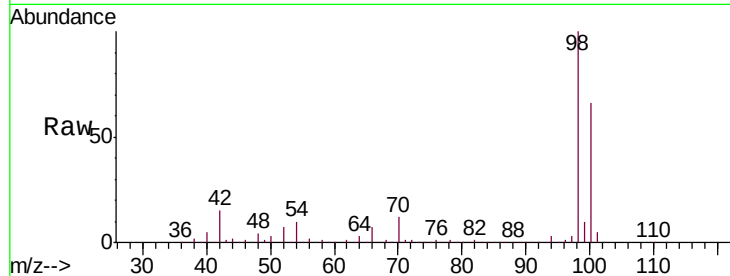




#50
Toluene-d8
Concen: 50.079 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012181.D
Acq: 26 Aug 2019 19:57

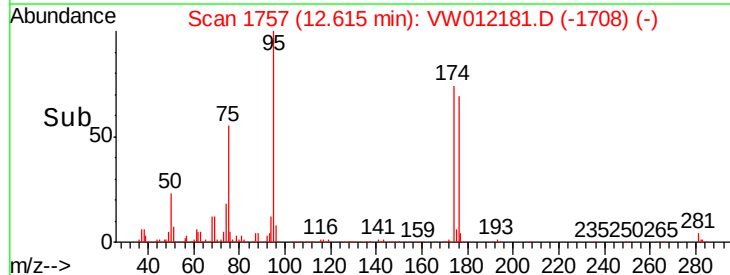
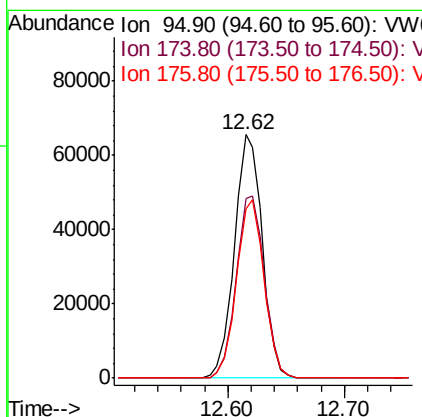
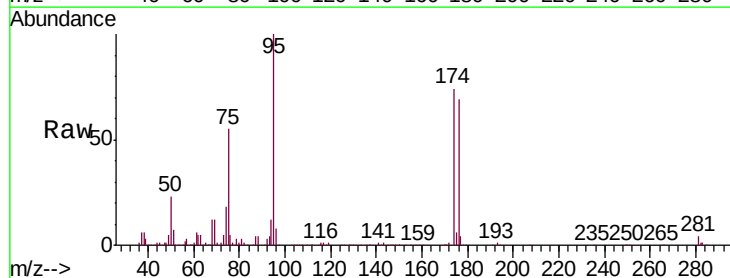
Instrument :
MSVOA_W
ClientSampleId :
T1-2-F4-(2.5)RE

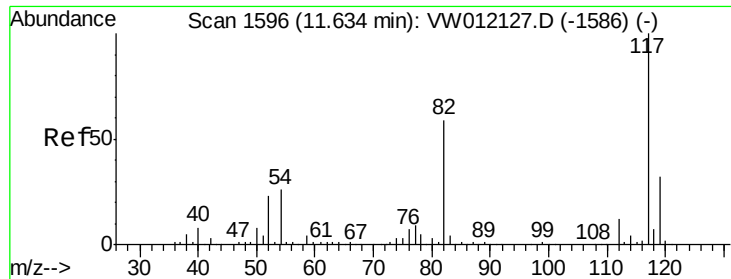
Tgt Ion: 98 Resp: 424085
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 36.461 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012181.D
Acq: 26 Aug 2019 19:57

Tgt Ion: 95 Resp: 108838
Ion Ratio Lower Upper
95 100
174 76.3 0.0 150.8
176 72.6 0.0 148.6

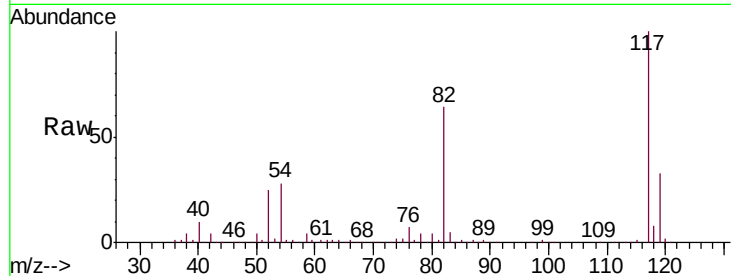




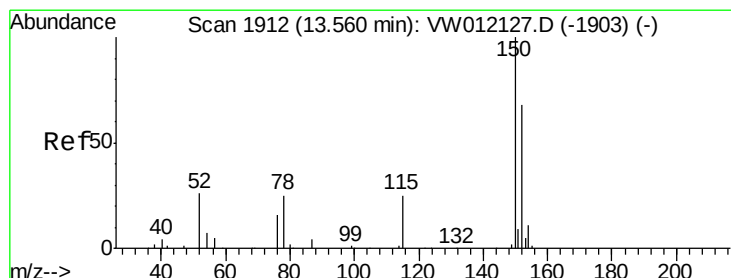
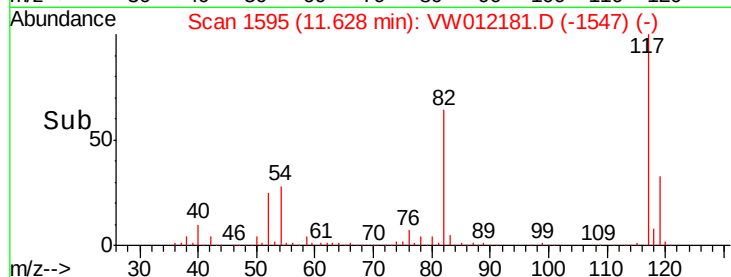
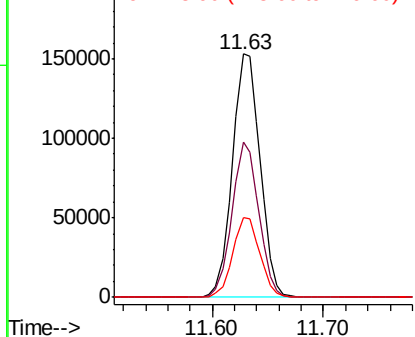
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012181.D
Acq: 26 Aug 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F4-(2.5)RE

Tgt Ion:117 Resp: 263271
Ion Ratio Lower Upper
117 100
82 63.6 47.4 71.2
119 32.6 25.4 38.2

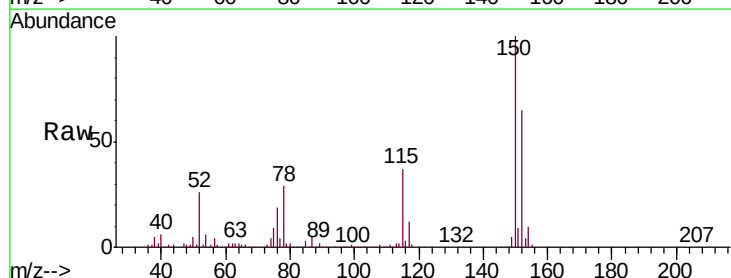


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

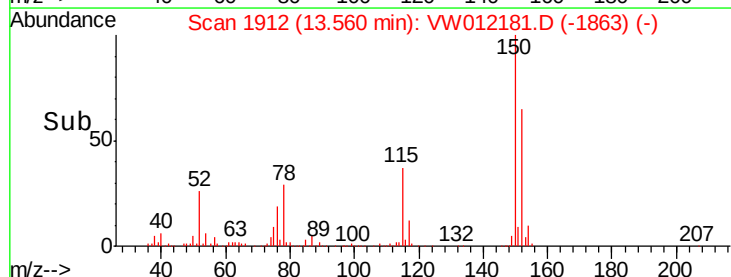
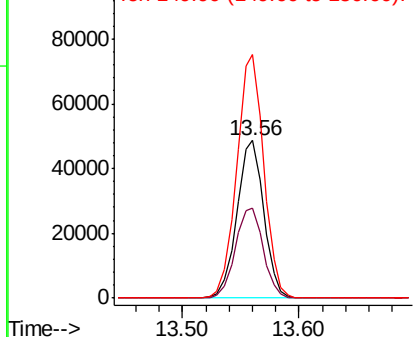


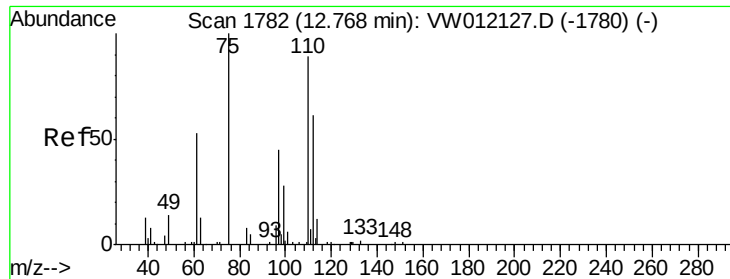
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012181.D
Acq: 26 Aug 2019 19:57

Tgt Ion:152 Resp: 77977
Ion Ratio Lower Upper
152 100
115 59.3 30.1 90.3
150 155.4 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: 76.997 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012181.D

Acq: 26 Aug 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

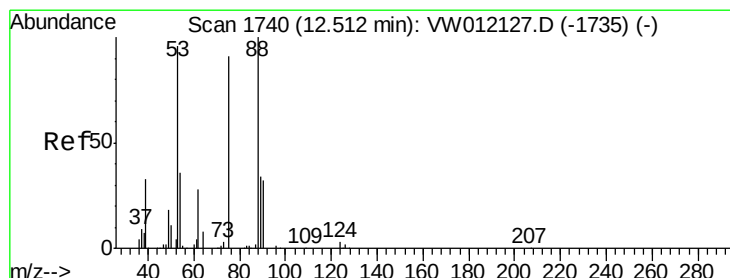
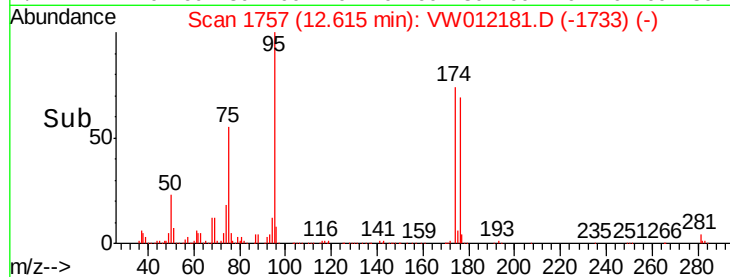
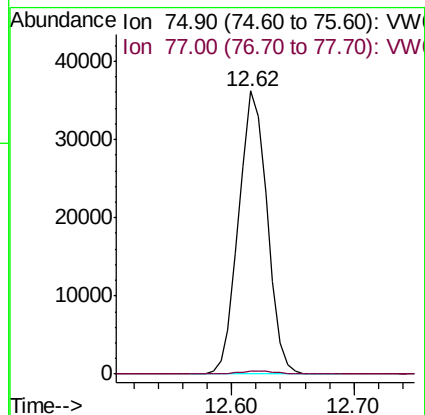
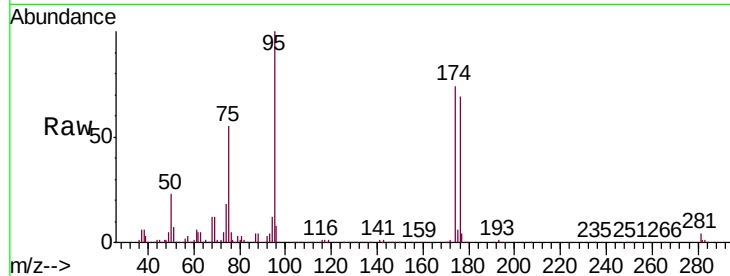
T1-2-F4-(2.5)RE

Tgt Ion: 75 Resp: 58475

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 168.820 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012181.D

Acq: 26 Aug 2019 19:57

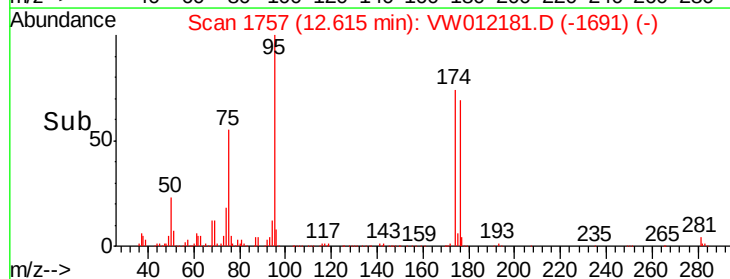
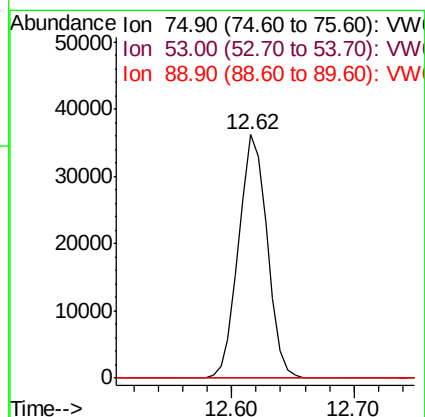
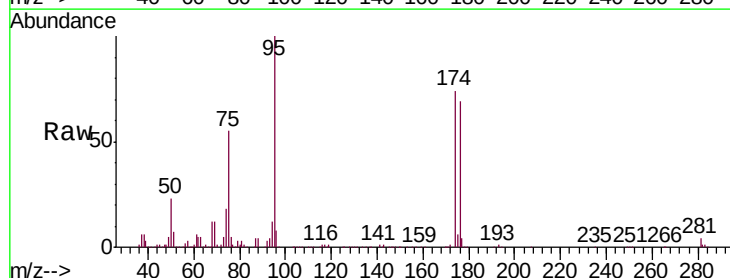
Tgt Ion: 75 Resp: 58475

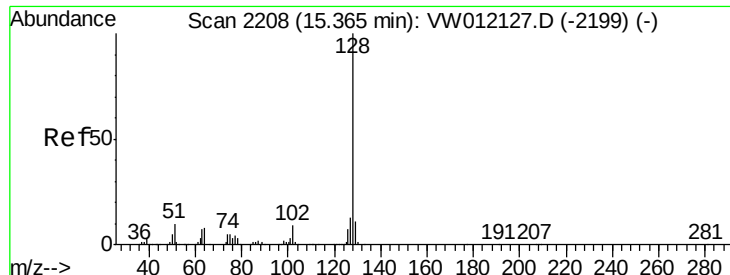
Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

89 0.0 34.5 51.7#

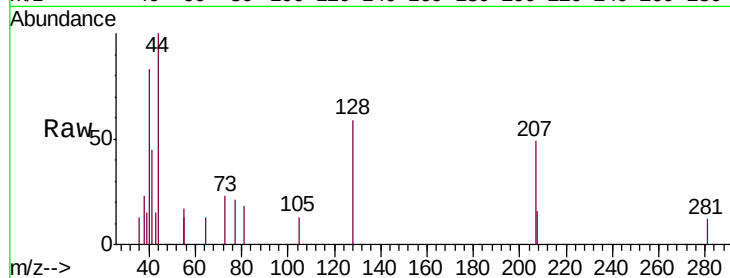




#95
Naphthalene
Concen: 4.428 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012181.D
Acq: 26 Aug 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F4-(2.5)RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.7	13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

