

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012447.D
 Acq On : 01 Sep 2019 14:48
 Operator : SY/VA
 Sample : K4517--09
 Misc : 4.85G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-D2-(2.5)

Quant Time: Sep 02 07:18:40 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	193990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	323141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	272954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	112567	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	131210	56.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.80%	
35) Dibromofluoromethane	7.88	113	100475	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.32	98	397274	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.62	95	125139	45.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.78%	

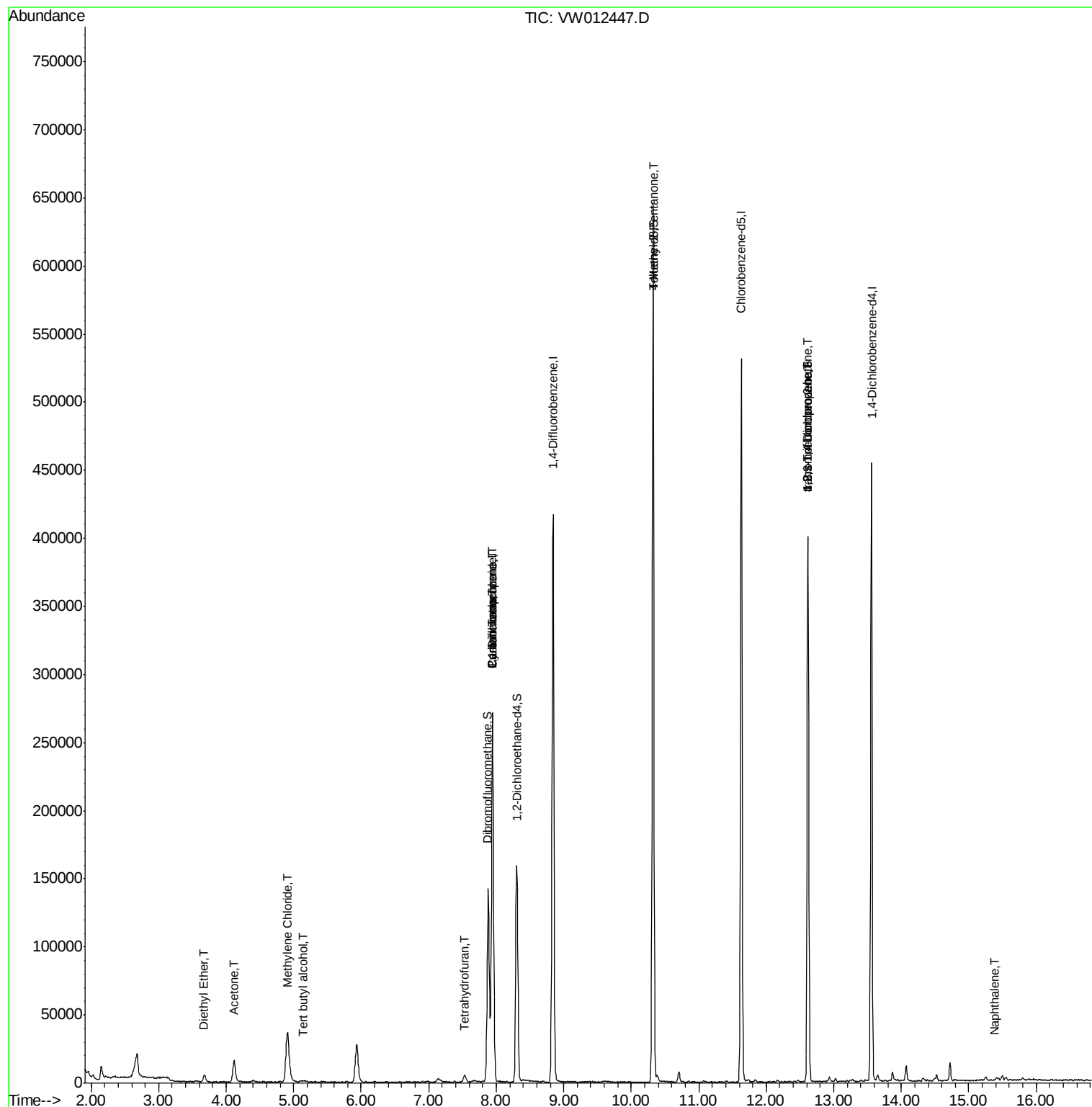
Target Compounds						Qvalue
8) Diethyl Ether	3.67	74	2498	2.314	ug/l	87
11) Tert butyl alcohol	5.13	59	998	7.191	ug/l #	71
16) Acetone	4.12	43	29327	49.751	ug/l	95
20) Methylene Chloride	4.92	84	27535	12.356	ug/l	92
29) Tetrahydrofuran	7.53	42	4326	9.001	ug/l	96
31) Cyclohexane	7.94	56	5187	1.249	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16859	5.049	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20021	6.927	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	2549	1.479	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	69179	63.101	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69179	138.351	ug/l #	6
95) Naphthalene	15.37	128	259	4.377	ug/l #	69

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

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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: VW012447.D

Acq: 01 Sep 2019 14:48

Instrument :

MSVOA_W

ClientSampleId :

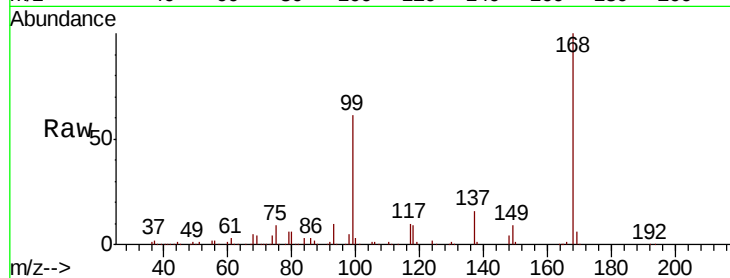
T4-S-D2-(2.5)

Tgt Ion:168 Resp: 193990

Ion Ratio Lower Upper

168 100

99 61.1 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

80000

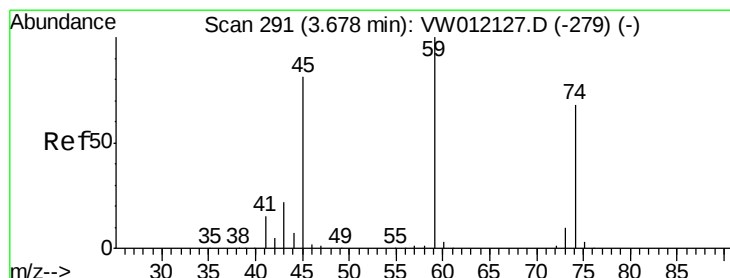
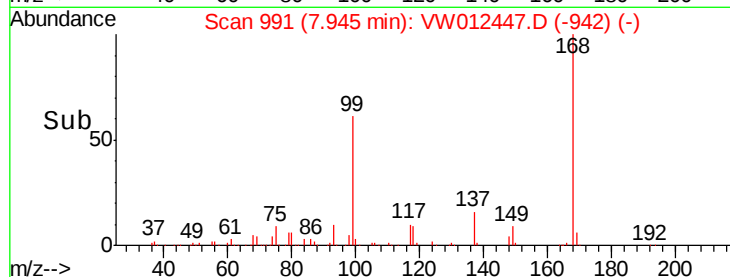
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.314 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012447.D

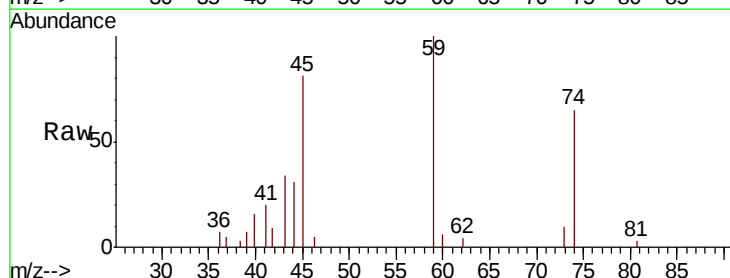
Acq: 01 Sep 2019 14:48

Tgt Ion: 74 Resp: 2498

Ion Ratio Lower Upper

74 100

45 132.7 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

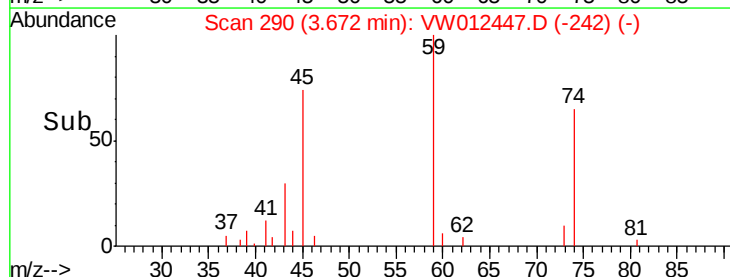
1500

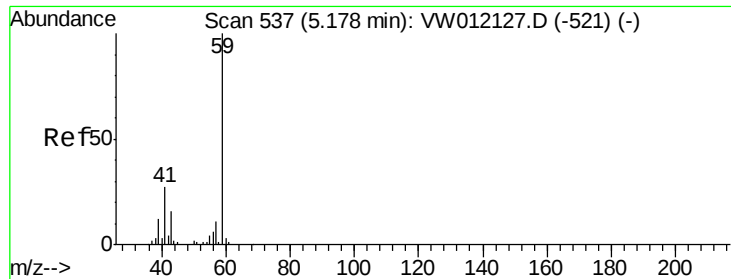
1000

500

0

Time--> 3.60 3.65 3.70 3.75

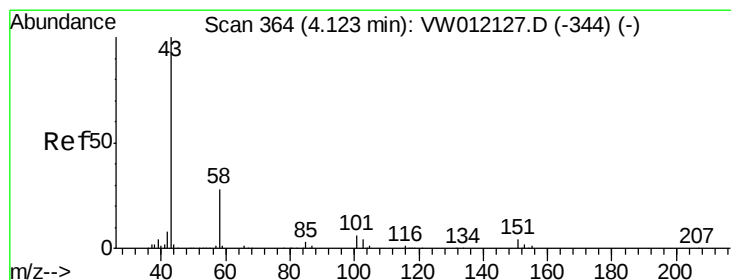
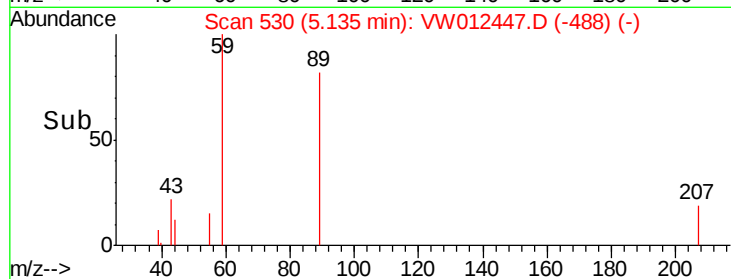
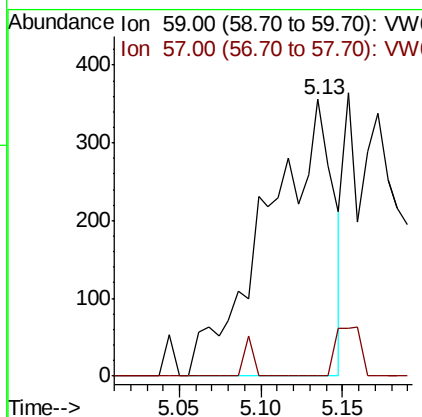
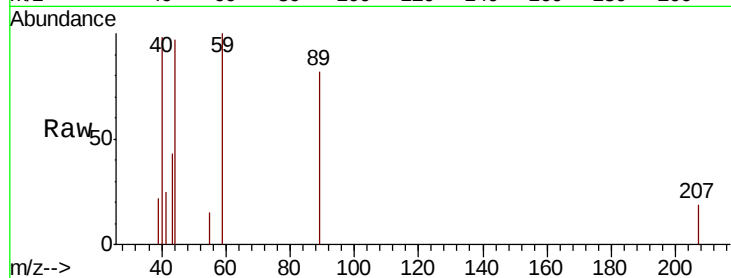




#11
Tert butyl alcohol
Concen: 7.191 ug/l
RT: 5.13 min Scan# 530
Delta R.T. -0.04 min
Lab File: VW012447.D
Acq: 01 Sep 2019 14:48

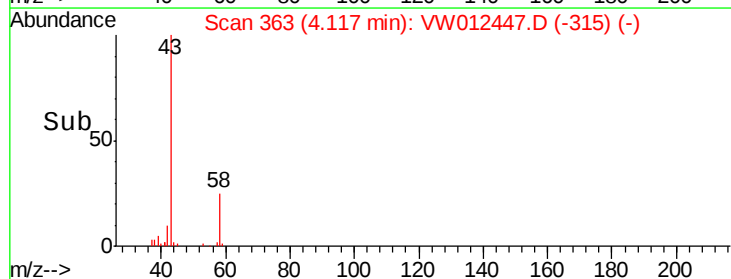
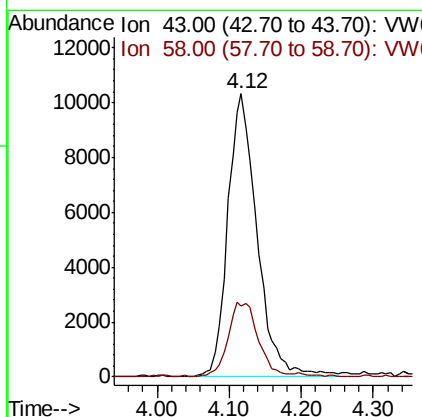
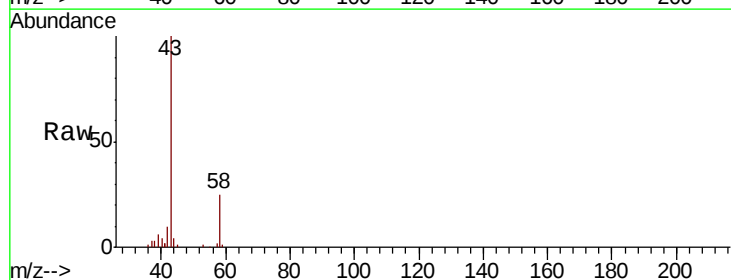
Instrument :
MSVOA_W
ClientSampleId :
T4-S-D2-(2.5)

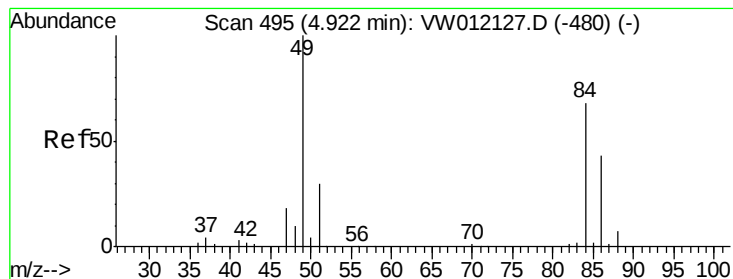
Tgt Ion: 59 Resp: 998
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 49.751 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW012447.D
Acq: 01 Sep 2019 14:48

Tgt Ion: 43 Resp: 29327
Ion Ratio Lower Upper
43 100
58 25.3 22.4 33.6





#20

Methylene Chloride

Concen: 12.356 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012447.D

Acq: 01 Sep 2019 14:48

Instrument :

MSVOA_W

ClientSampleId :

T4-S-D2-(2.5)

Tgt Ion: 84 Resp: 27535

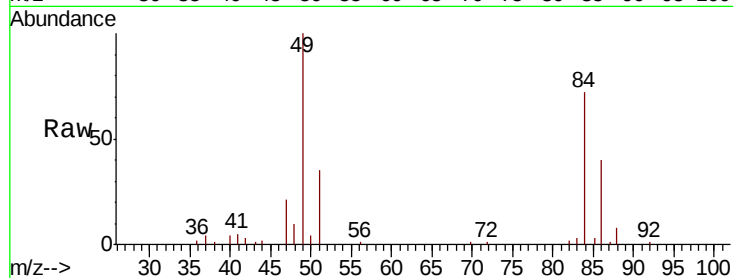
Ion Ratio Lower Upper

84 100

49 138.4 117.8 176.8

51 48.0 35.6 53.4

86 55.2 51.2 76.8

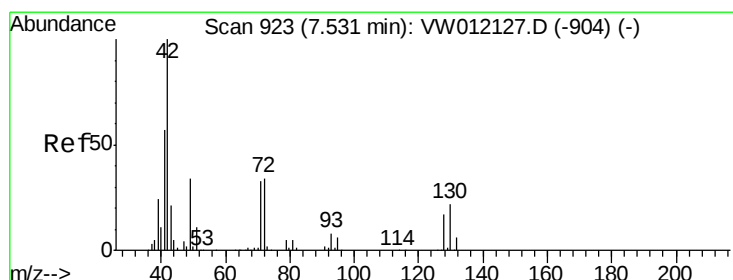
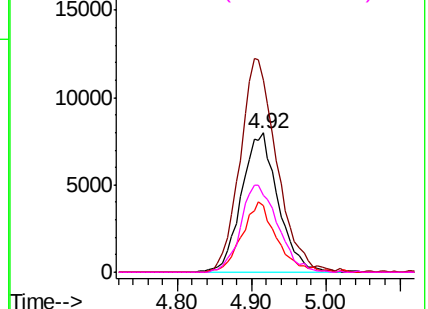
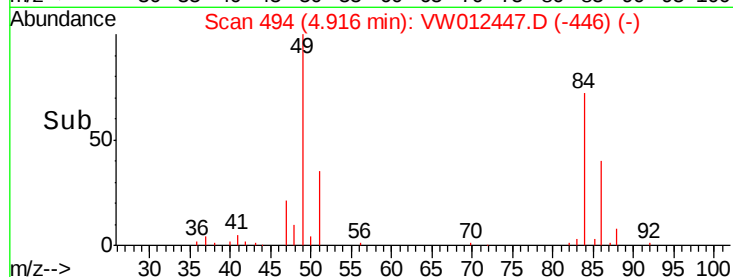


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 9.001 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012447.D

Acq: 01 Sep 2019 14:48

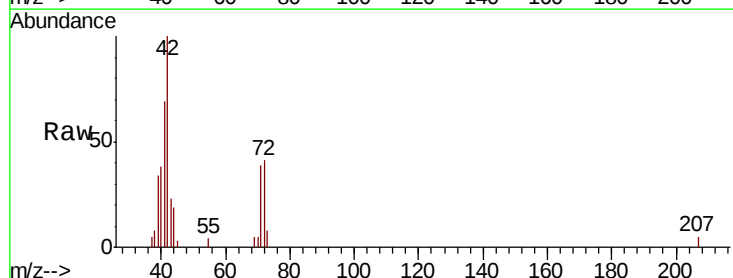
Tgt Ion: 42 Resp: 4326

Ion Ratio Lower Upper

42 100

72 36.0 27.3 40.9

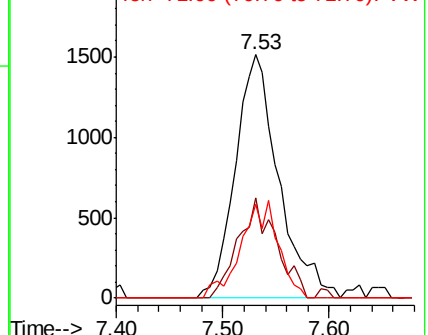
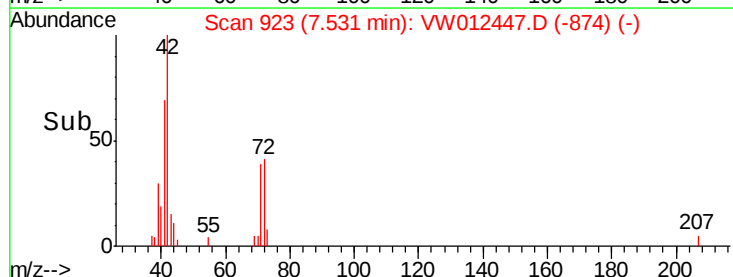
71 34.3 25.5 38.3

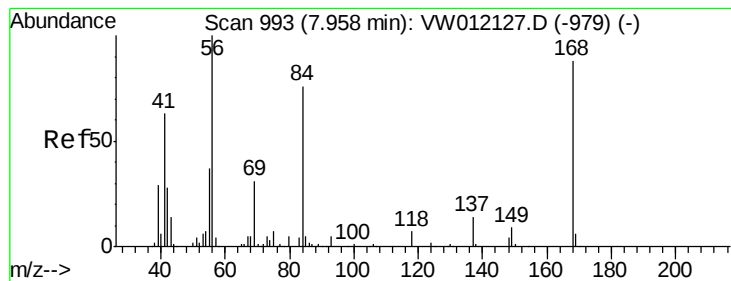


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.249 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012447.D

Acq: 01 Sep 2019 14:48

Instrument :

MSVOA_W

ClientSampleId :

T4-S-D2-(2.5)

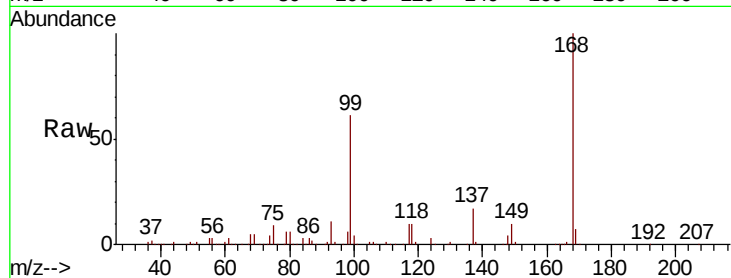
Tgt Ion: 56 Resp: 5187

Ion Ratio Lower Upper

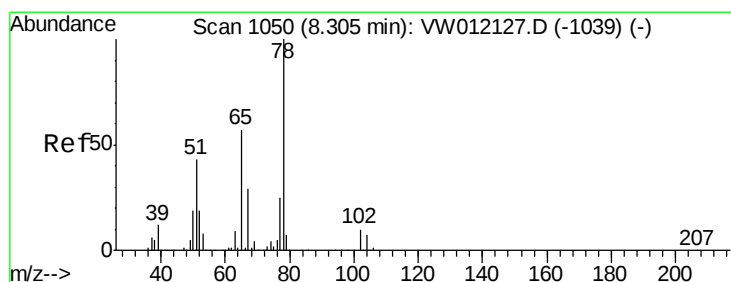
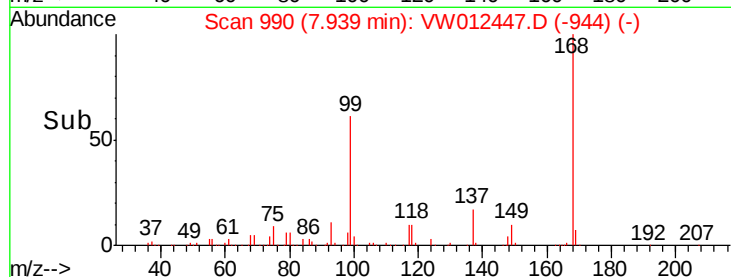
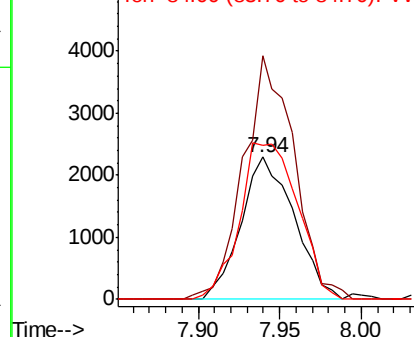
56 100

69 168.3 24.9 37.3#

84 108.2 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: 56.898 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012447.D

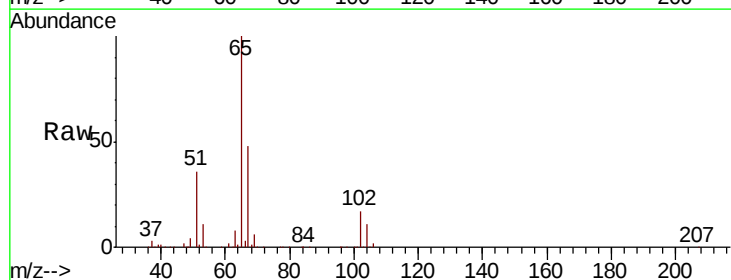
Acq: 01 Sep 2019 14:48

Tgt Ion: 65 Resp: 131210

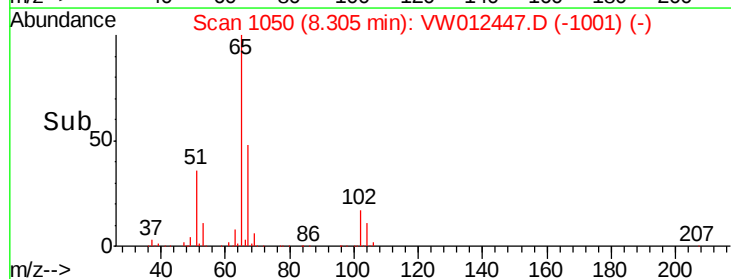
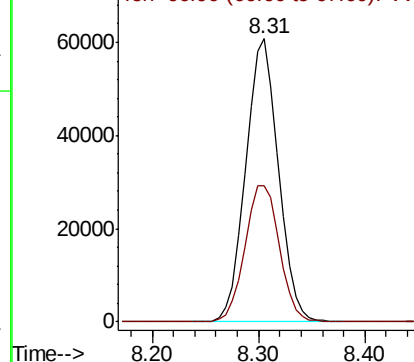
Ion Ratio Lower Upper

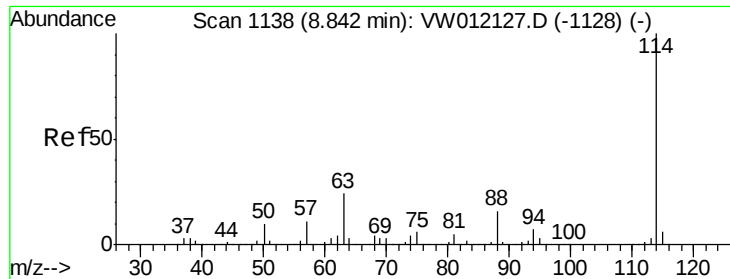
65 100

67 50.9 0.0 102.6



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

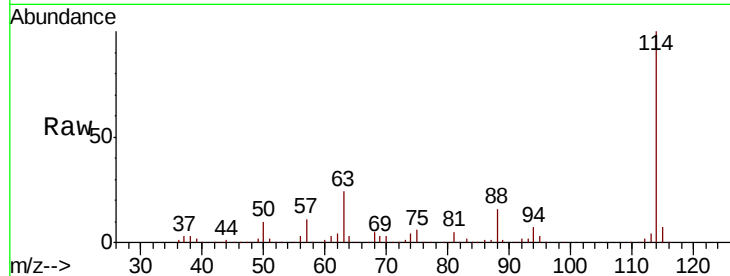




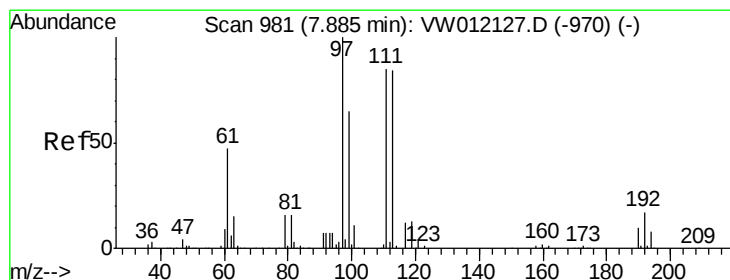
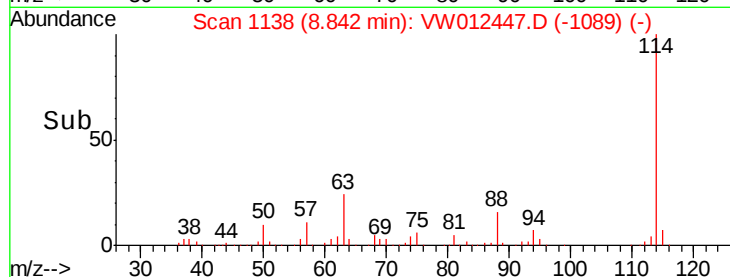
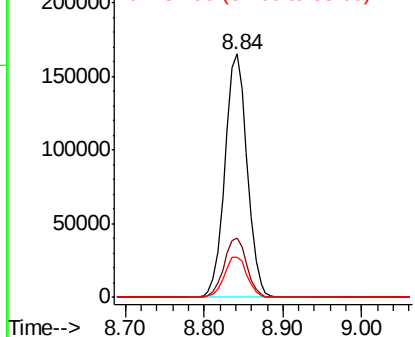
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012447.D
 Acq: 01 Sep 2019 14:48

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-D2-(2.5)

Tgt Ion:114 Resp: 323141
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 48.6
 88 16.3 0.0 32.2

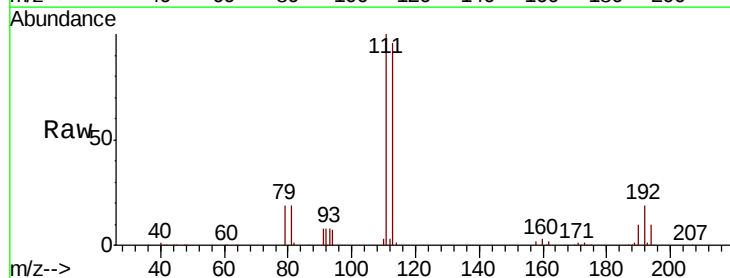


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

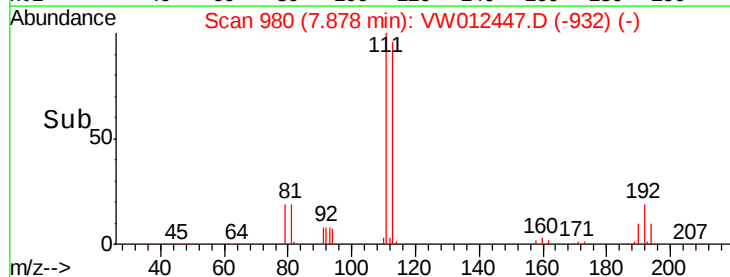
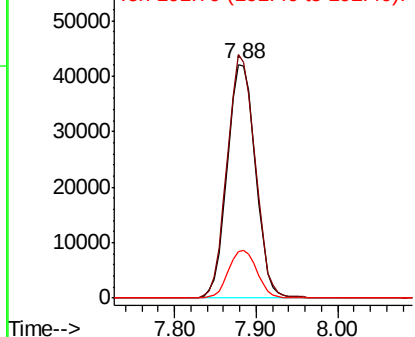


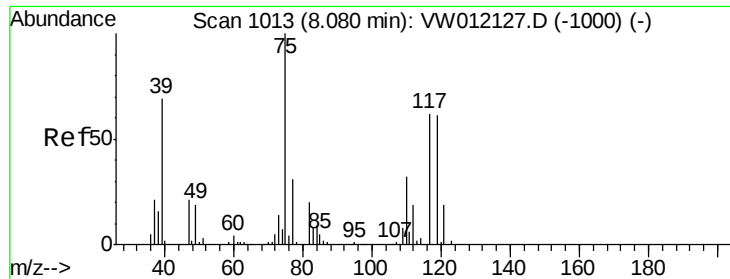
#35
 Dibromofluoromethane
 Concen: 52.091 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012447.D
 Acq: 01 Sep 2019 14:48

Tgt Ion:113 Resp: 100475
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.7 124.1
 192 20.9 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: 5.049 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012447.D

Acq: 01 Sep 2019 14:48

Instrument :

MSVOA_W

ClientSampled :

T4-S-D2-(2.5)

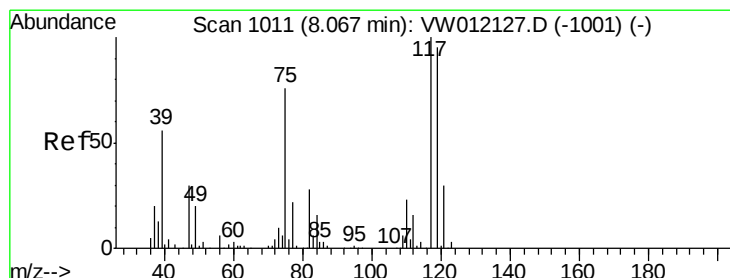
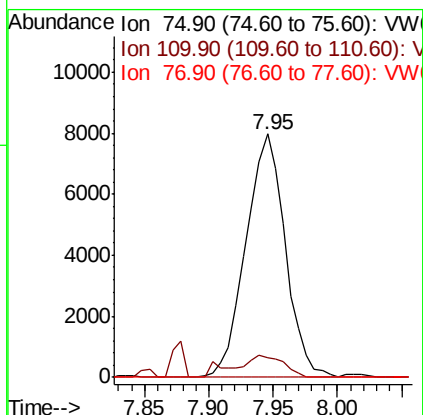
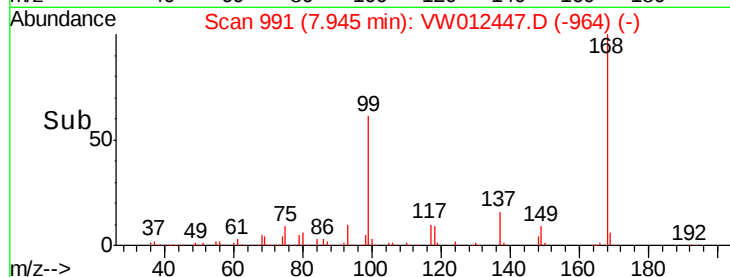
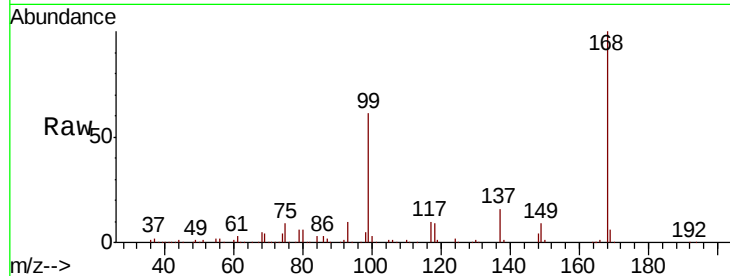
Tgt Ion: 75 Resp: 16859

Ion Ratio Lower Upper

75 100

110 8.3 15.6 46.8#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.927 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012447.D

Acq: 01 Sep 2019 14:48

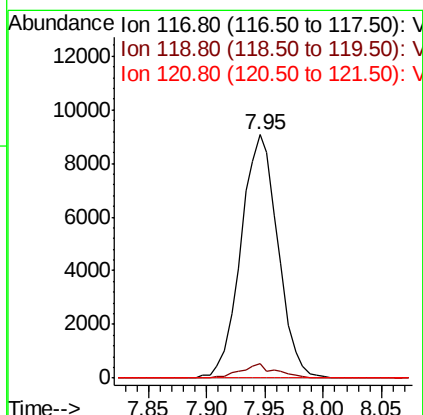
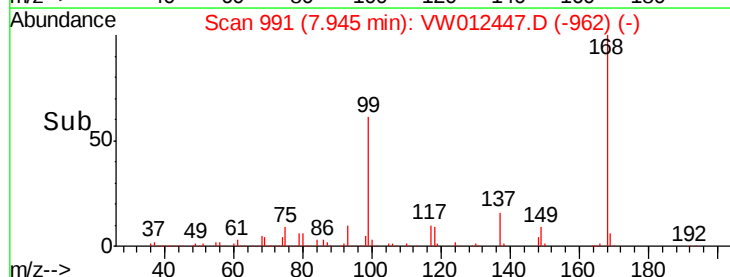
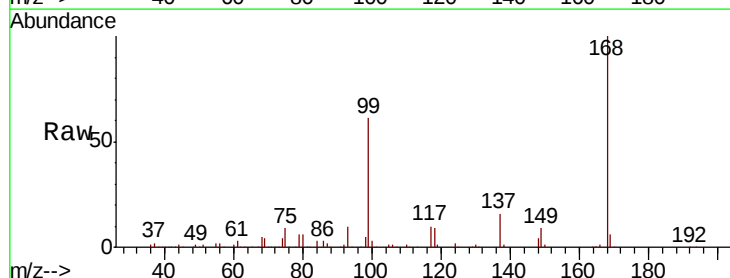
Tgt Ion: 117 Resp: 20021

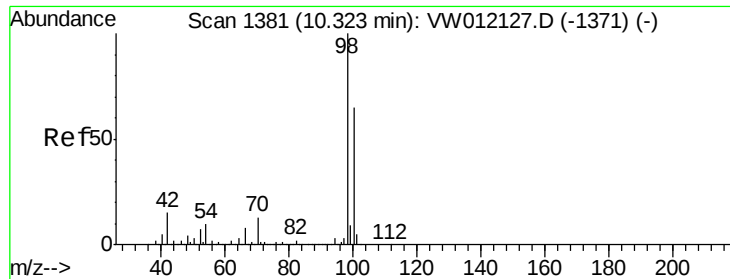
Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.2#

121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 50.797 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012447.D

Acq: 01 Sep 2019 14:48

Instrument :

MSVOA_W

ClientSampleId :

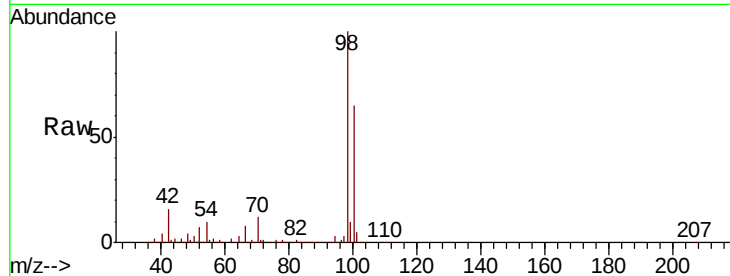
T4-S-D2-(2.5)

Tgt Ion: 98 Resp: 397274

Ion Ratio Lower Upper

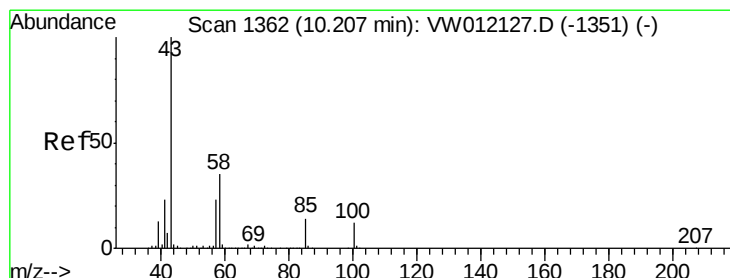
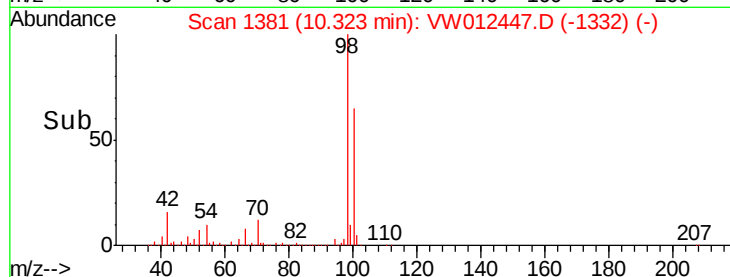
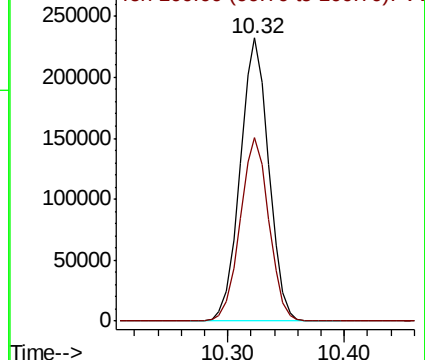
98 100

100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.479 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW012447.D

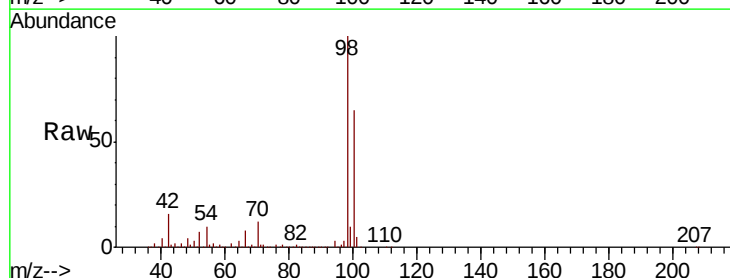
Acq: 01 Sep 2019 14:48

Tgt Ion: 43 Resp: 2549

Ion Ratio Lower Upper

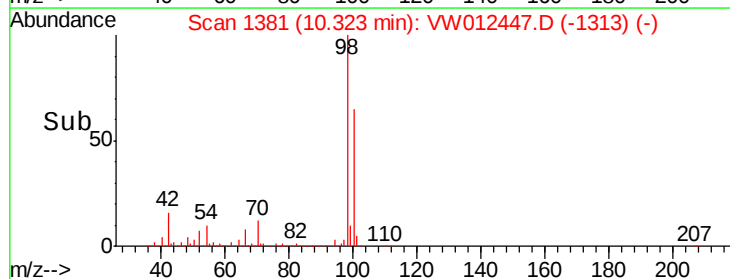
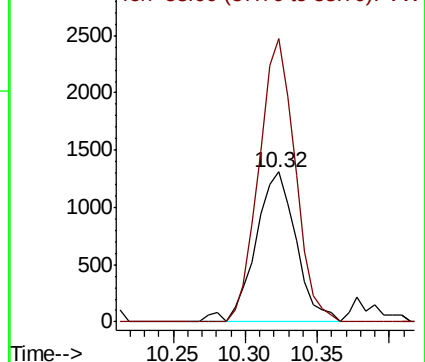
43 100

58 168.7 28.2 42.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

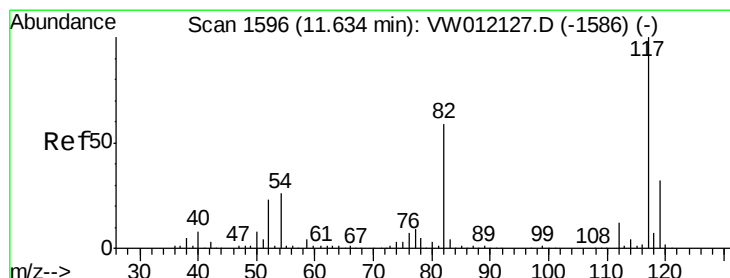
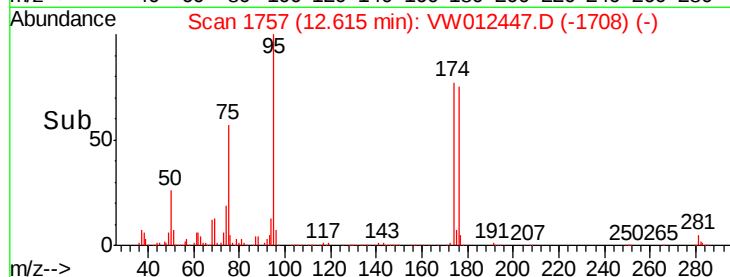
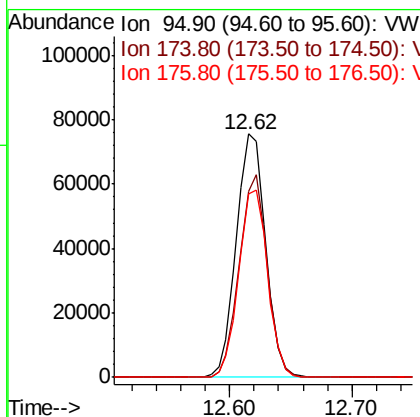
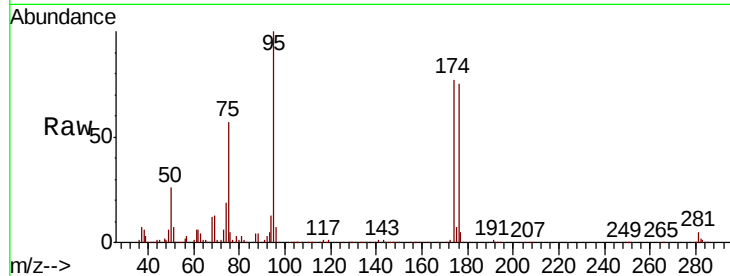




#62
4-Bromofluorobenzene
Concen: 45.392 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012447.D
Acq: 01 Sep 2019 14:48

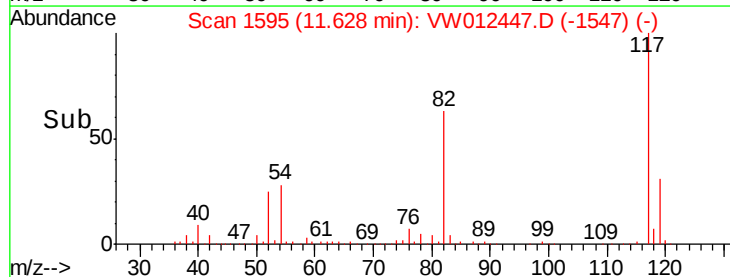
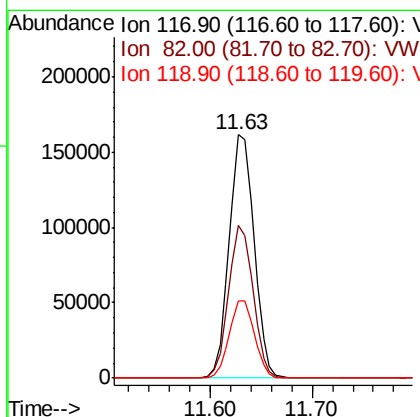
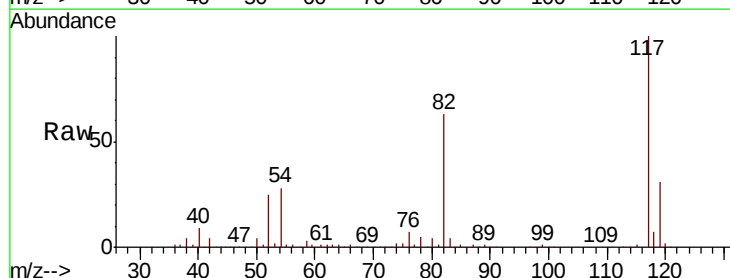
Instrument :
MSVOA_W
ClientSampleId :
T4-S-D2-(2.5)

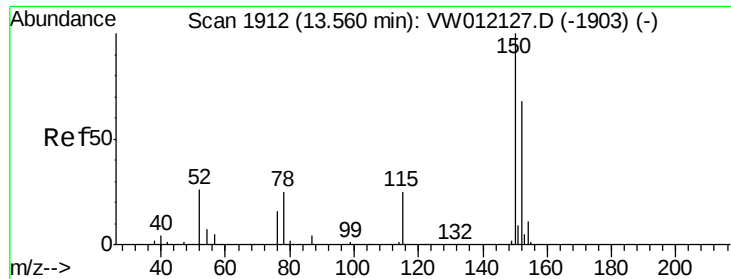
Tgt Ion: 95 Resp: 125139
Ion Ratio Lower Upper
95 100
174 79.7 0.0 150.8
176 76.1 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012447.D
Acq: 01 Sep 2019 14:48

Tgt Ion: 117 Resp: 272954
Ion Ratio Lower Upper
117 100
82 62.7 47.4 71.2
119 31.5 25.4 38.2

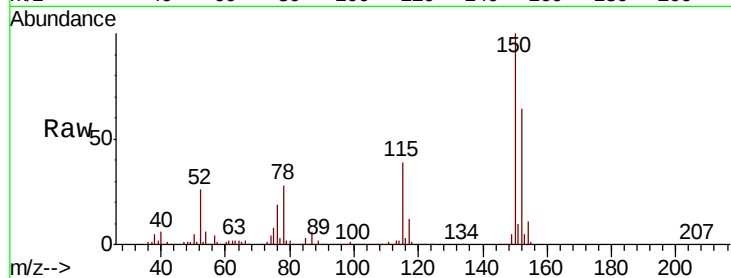




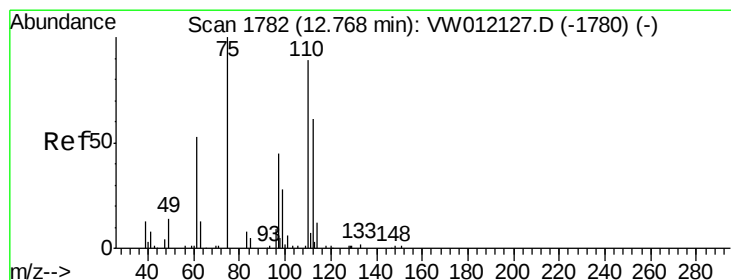
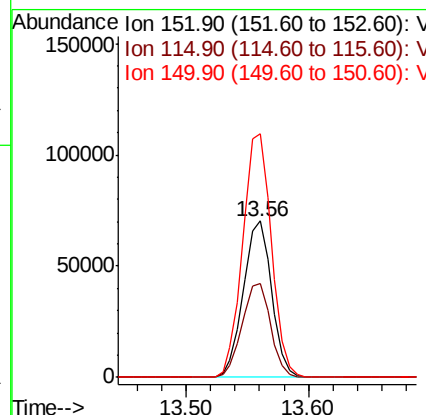
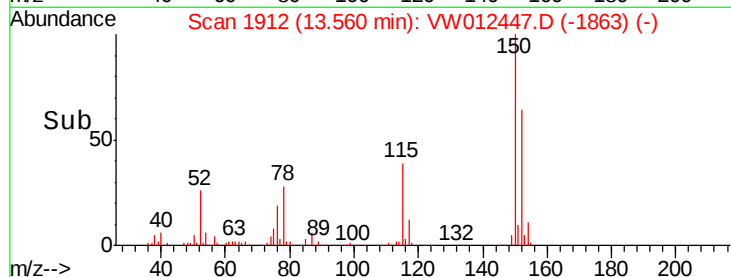
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW012447.D
 Acq: 01 Sep 2019 14:48

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-D2-(2.5)

Tgt Ion:152 Resp: 112567
 Ion Ratio Lower Upper
 152 100
 115 60.7 30.1 90.3
 150 157.9 0.0 345.8

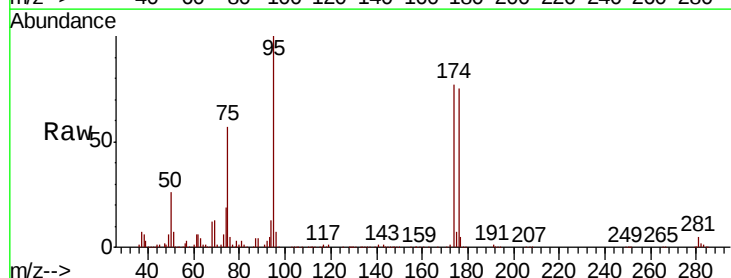


Abundance Ion 151.90 (151.60 to 152.60): V
 150000 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

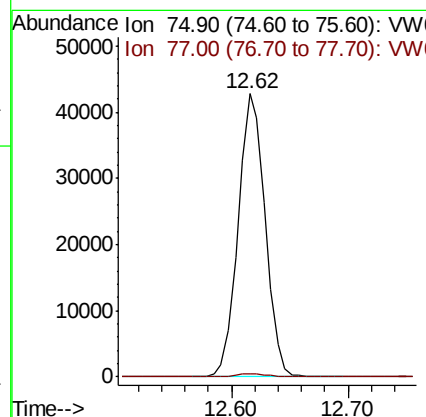
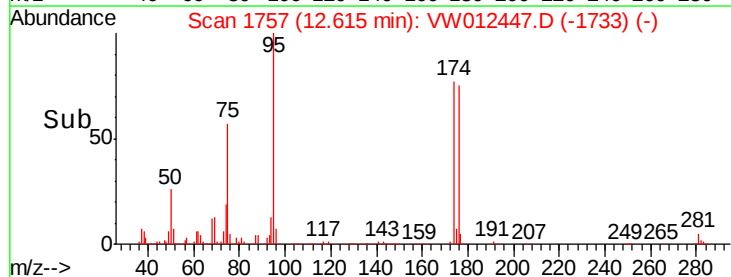


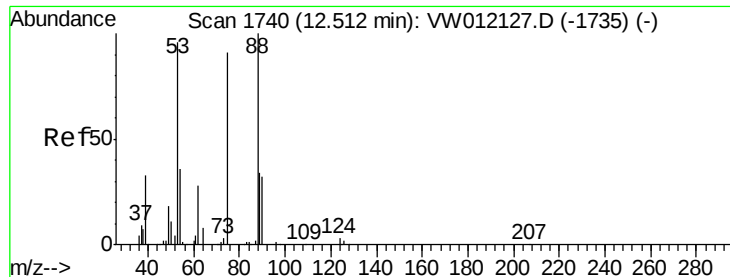
#76
 1,2,3-Trichloropropane
 Concen: 63.101 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012447.D
 Acq: 01 Sep 2019 14:48

Tgt Ion: 75 Resp: 69179
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
 50000 Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 138.351 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012447.D

Acq: 01 Sep 2019 14:48

Instrument :

MSVOA_W

ClientSampled :

T4-S-D2-(2.5)

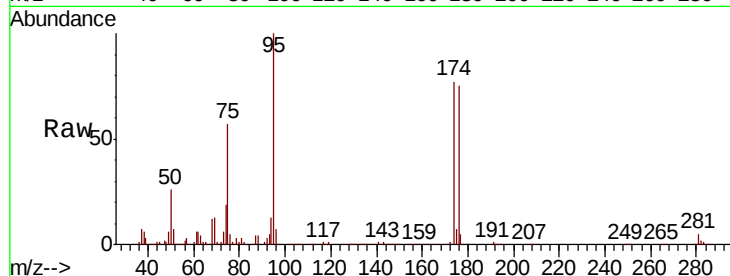
Tgt Ion: 75 Resp: 69179

Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

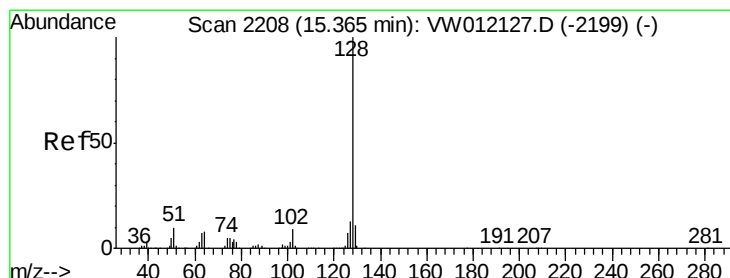
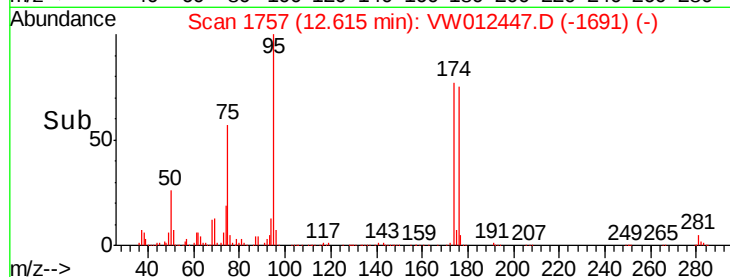
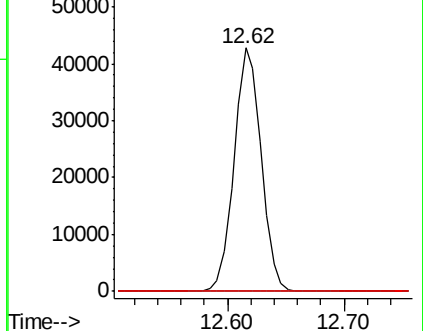
89 0.1 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 4.377 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012447.D

Acq: 01 Sep 2019 14:48

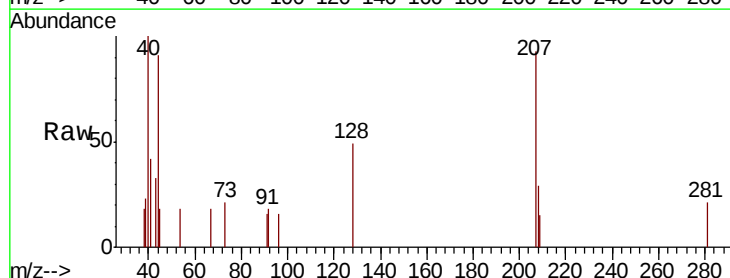
Tgt Ion: 128 Resp: 259

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

