

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012089.D
 Acq On : 21 Aug 2019 23:45
 Operator : SY/VA
 Sample : K4403-11
 Misc : 5.23G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-G-(0)

Quant Time: Aug 22 05:20:18 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	238679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	403489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	322551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113717	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	154322	56.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.62%	
35) Dibromofluoromethane	7.88	113	122990	54.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.66%	
50) Toluene-d8	10.32	98	486199	52.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.92%	
62) 4-Bromofluorobenzene	12.62	95	143482	43.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.84%	

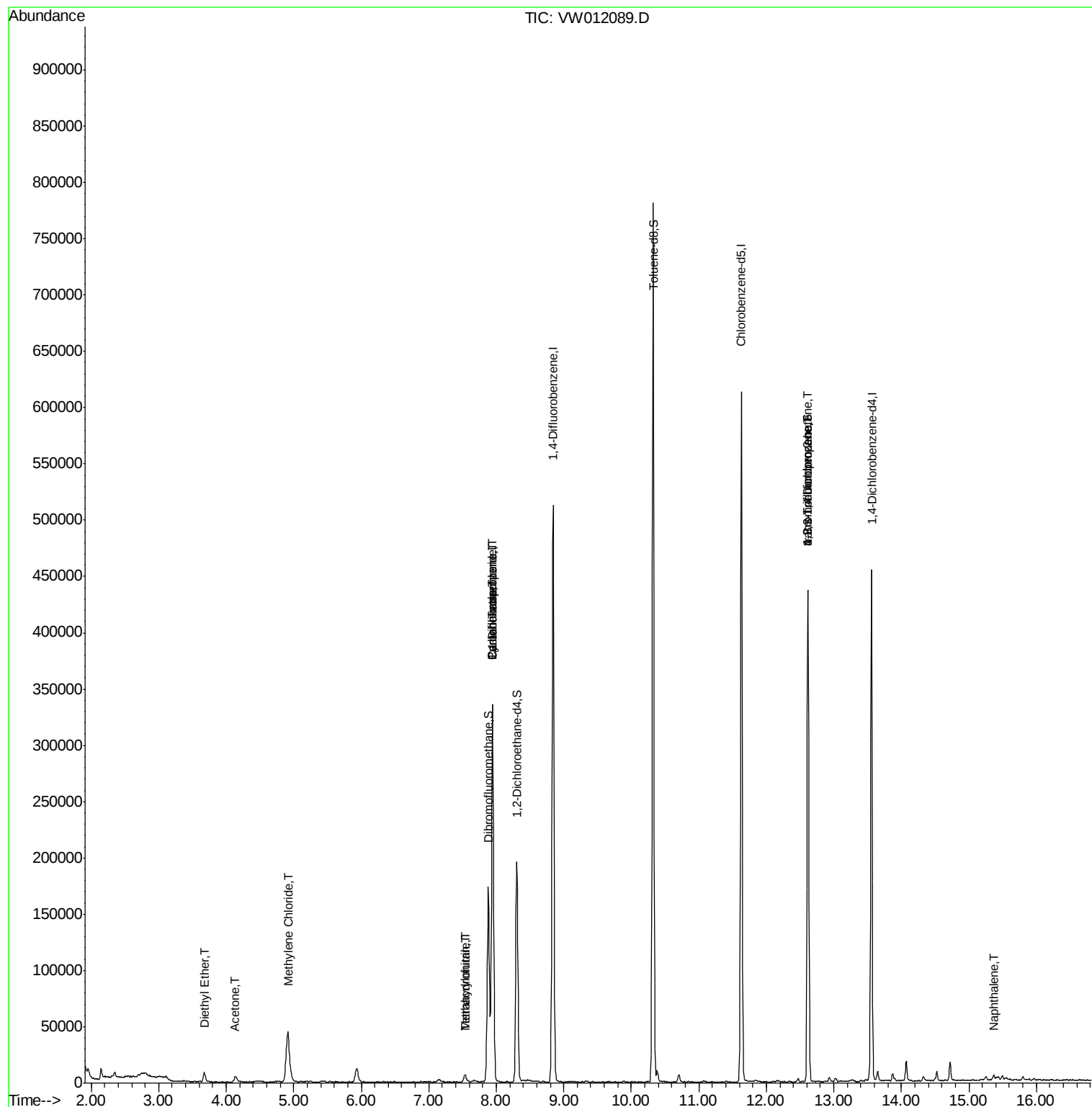
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	3818	2.713	ug/l	83
11) Tert butyl alcohol	5.20	59	327	Below Cal	#	88
16) Acetone	4.14	43	9814	11.257	ug/l	96
20) Methylene Chloride	4.92	84	34470	11.464	ug/l	98
29) Tetrahydrofuran	7.54	42	5925	9.086	ug/l	98
31) Cyclohexane	7.95	56	6509	1.270	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20985	5.002	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24257	6.754	ug/l #	16
41) Methacrylonitrile	7.54	41	3590	2.488	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	75942	63.114	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75942	145.455	ug/l #	6
95) Naphthalene	15.37	128	3419	2.796	ug/l #	94

(#) = 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: VW012089.D

Acq: 21 Aug 2019 23:45

Instrument :

MSVOA_W

ClientSampleId :

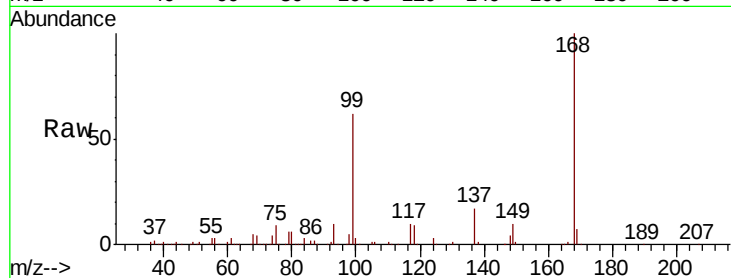
T1-G(0)

Tgt Ion:168 Resp: 238679

Ion Ratio Lower Upper

168 100

99 62.0 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

120000

100000

80000

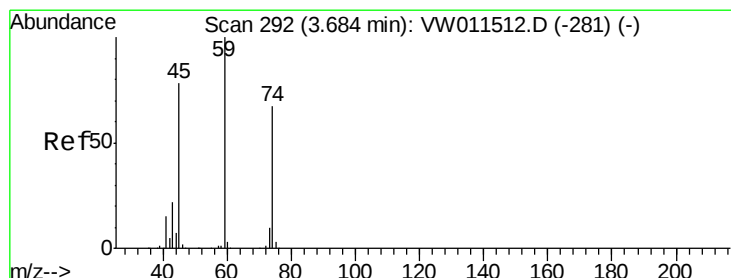
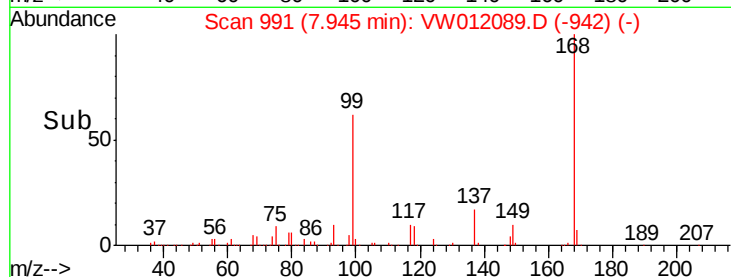
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.713 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW012089.D

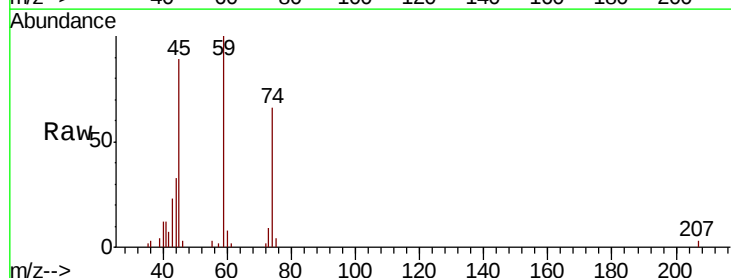
Acq: 21 Aug 2019 23:45

Tgt Ion: 74 Resp: 3818

Ion Ratio Lower Upper

74 100

45 138.3 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

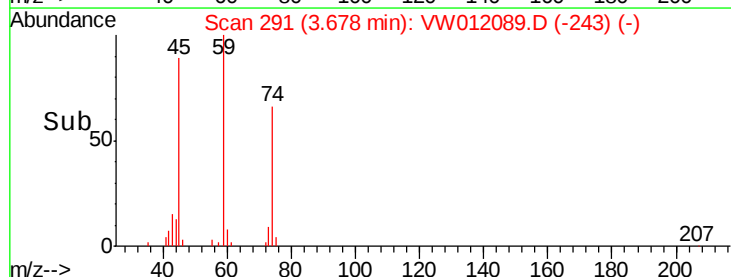
1500

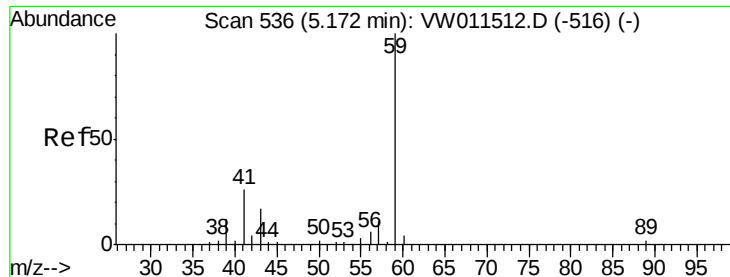
1000

500

0

Time--> 3.60 3.65 3.70 3.75

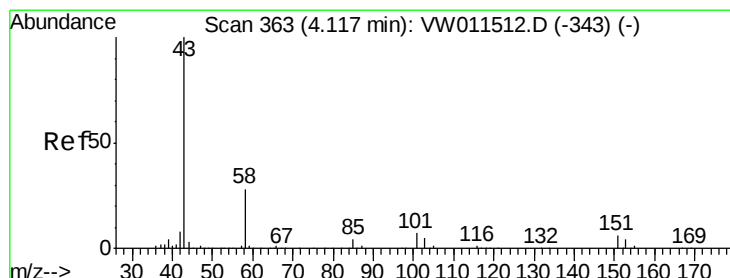
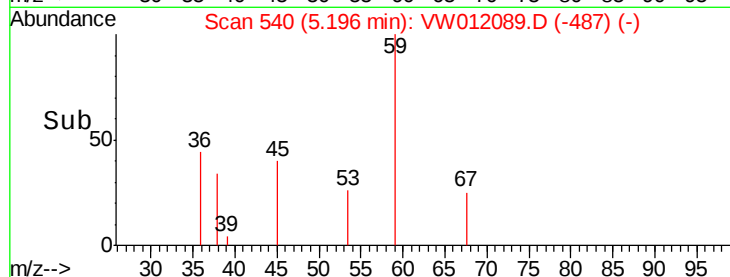
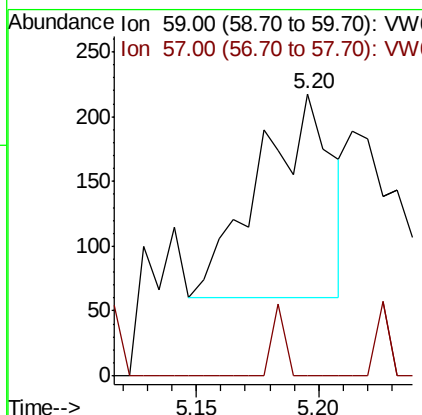
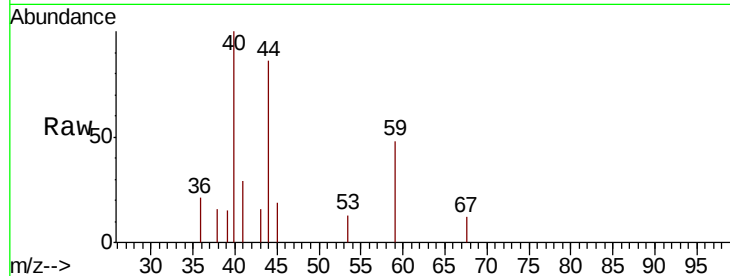




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW012089.D
Acq: 21 Aug 2019 23:45

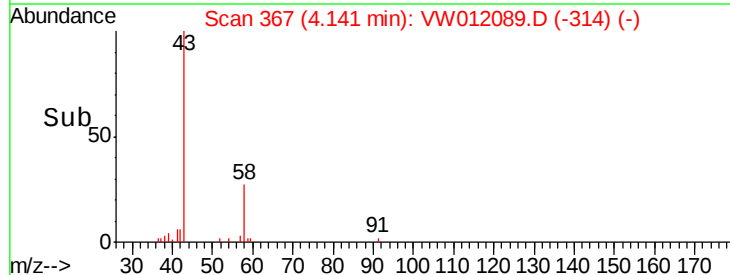
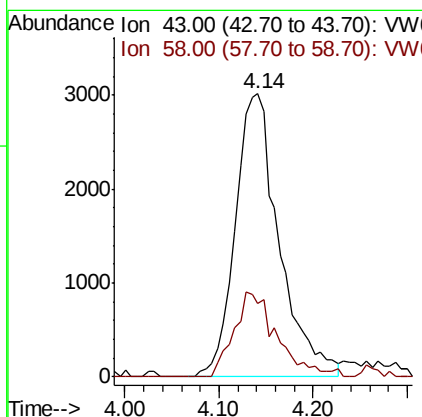
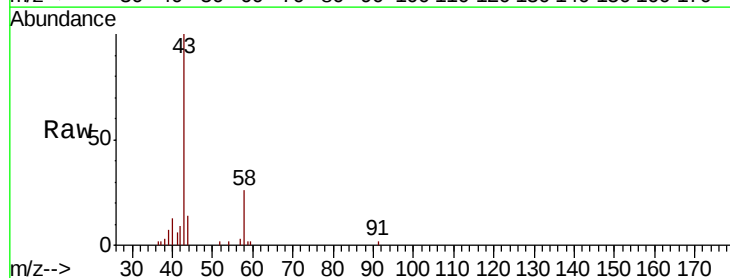
Instrument :
MSVOA_W
ClientSampled :
T1-G(0)

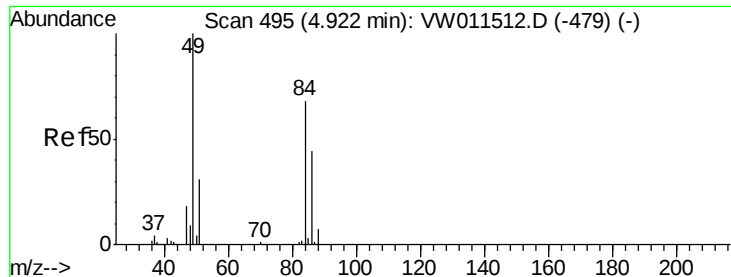
Tgt Ion: 59 Resp: 327
Ion Ratio Lower Upper
59 100
57 6.1 8.5 12.7#



#16
Acetone
Concen: 11.257 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012089.D
Acq: 21 Aug 2019 23:45

Tgt Ion: 43 Resp: 9814
Ion Ratio Lower Upper
43 100
58 26.0 22.3 33.5

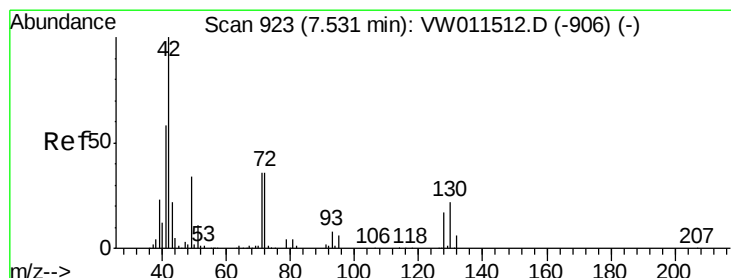
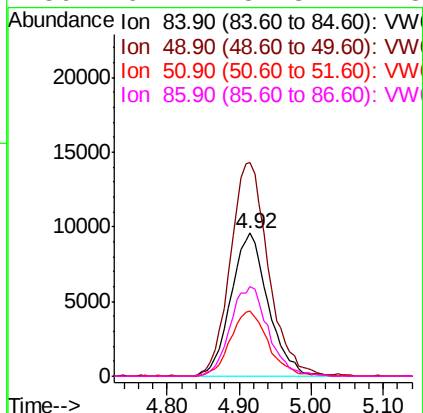
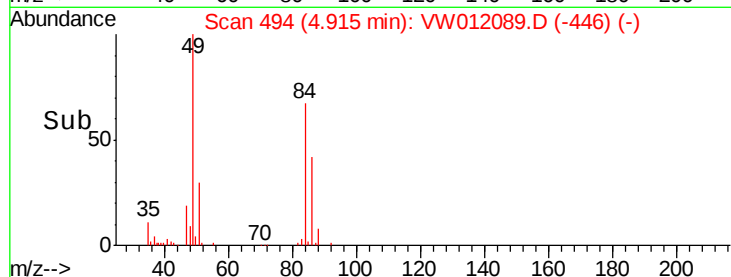
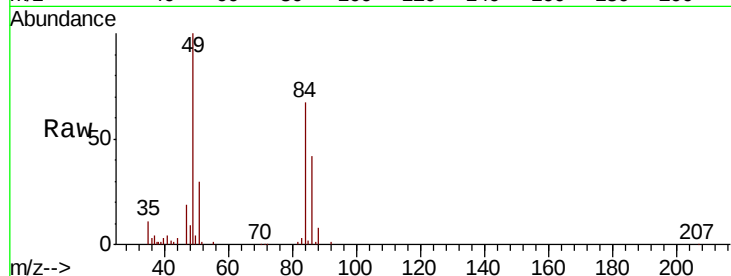




#20
Methylene Chloride
Concen: 11.464 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012089.D
Acq: 21 Aug 2019 23:45

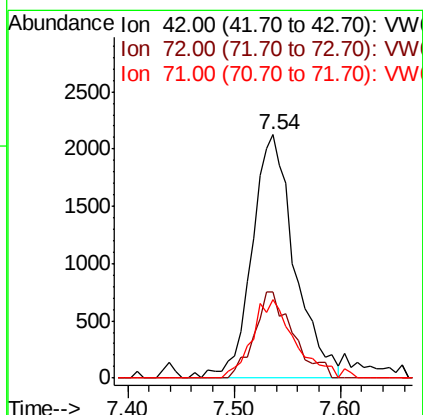
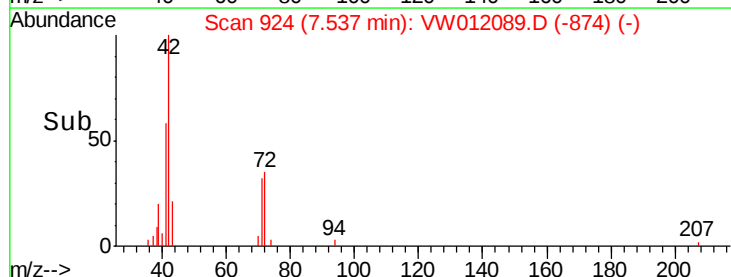
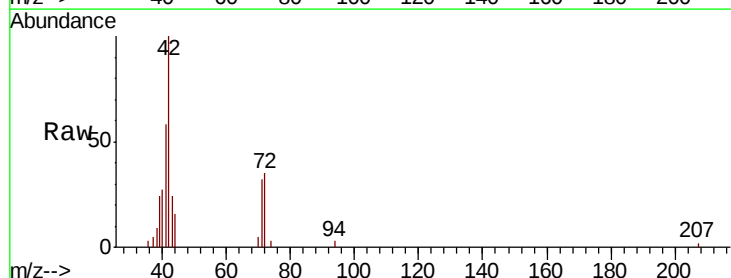
Instrument :
MSVOA_W
ClientSampleId :
T1-G(0)

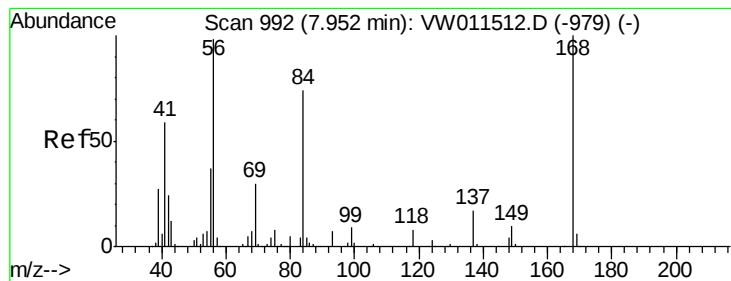
Tgt Ion: 84 Resp: 34470
Ion Ratio Lower Upper
84 100
49 149.0 117.8 176.6
51 45.1 37.0 55.4
86 62.4 51.8 77.8



#29
Tetrahydrofuran
Concen: 9.086 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012089.D
Acq: 21 Aug 2019 23:45

Tgt Ion: 42 Resp: 5925
Ion Ratio Lower Upper
42 100
72 32.3 27.1 40.7
71 31.9 26.2 39.4





#31

Cyclohexane

Concen: 1.270 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012089.D

Acq: 21 Aug 2019 23:45

Instrument :

MSVOA_W

ClientSampleId :

T1-G-(0)

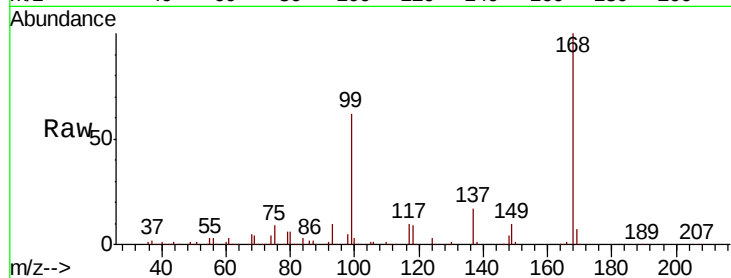
Tgt Ion: 56 Resp: 6509

Ion Ratio Lower Upper

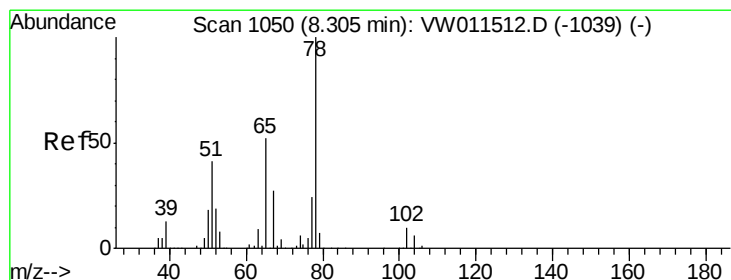
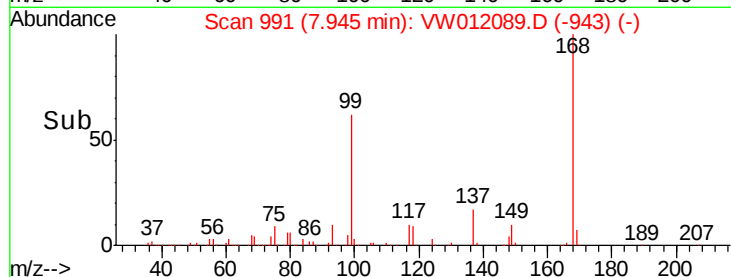
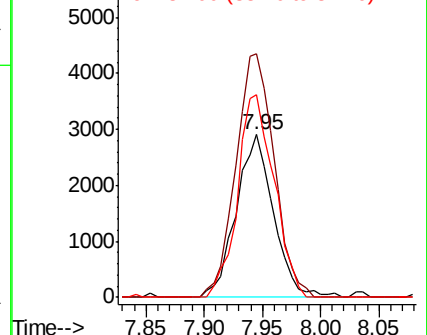
56 100

69 149.8 24.3 36.5#

84 124.4 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: 56.308 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012089.D

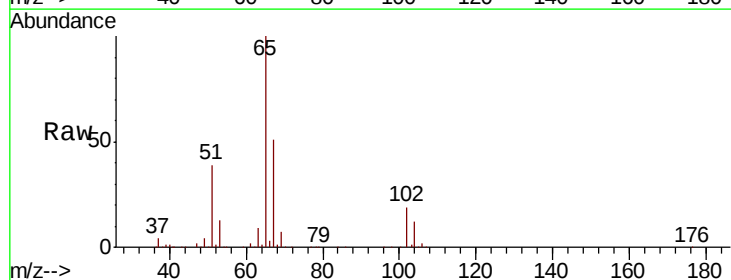
Acq: 21 Aug 2019 23:45

Tgt Ion: 65 Resp: 154322

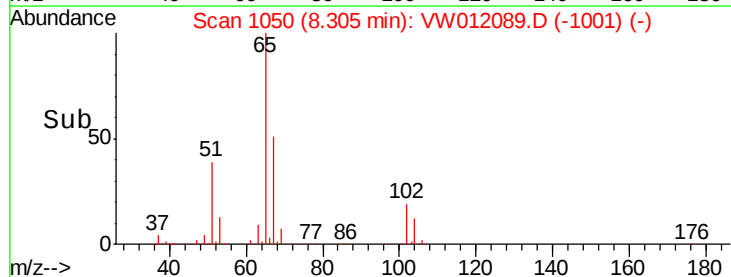
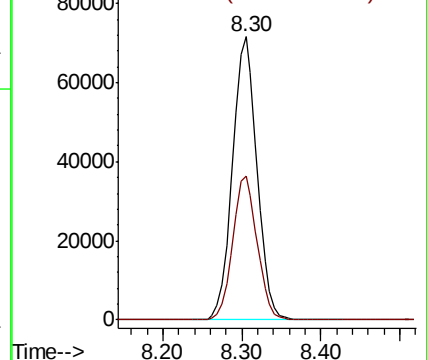
Ion Ratio Lower Upper

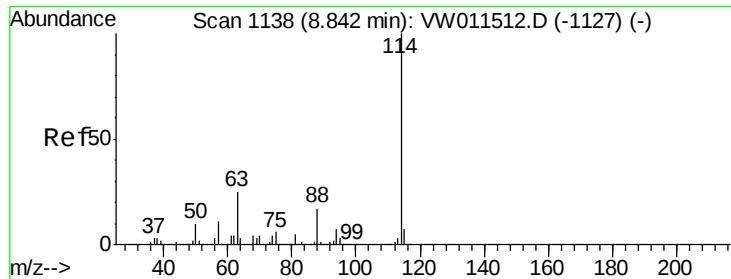
65 100

67 50.7 0.0 105.2



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

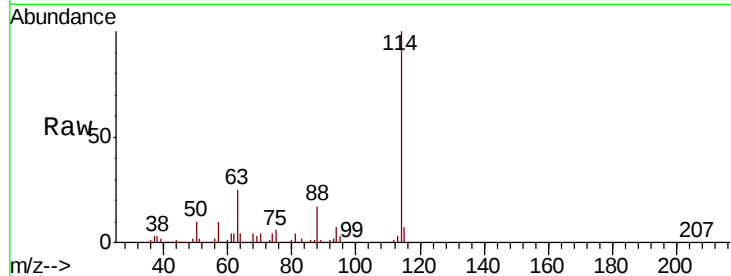




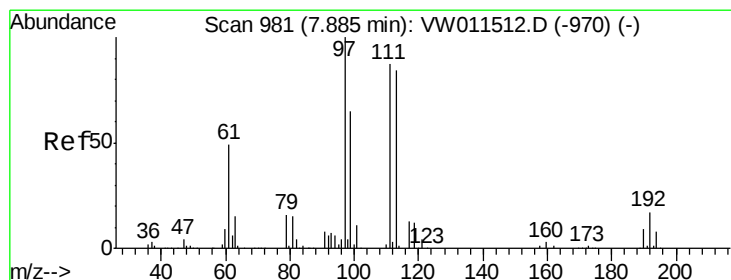
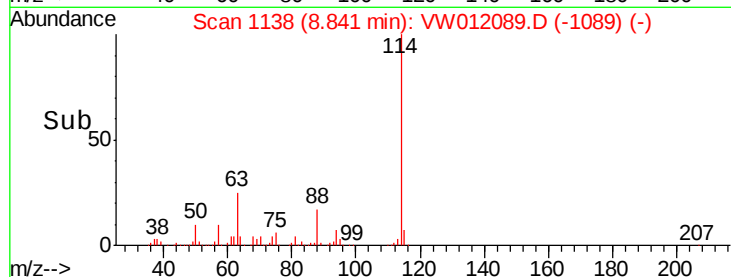
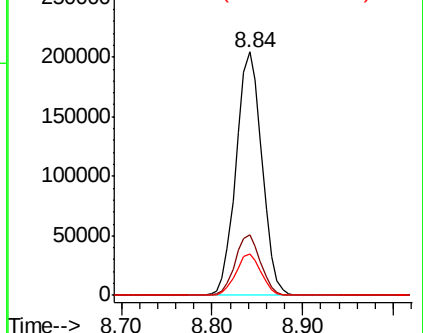
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012089.D
 Acq: 21 Aug 2019 23:45

Instrument :
 MSVOA_W
 ClientSampled :
 T1-G-(0)

Tgt Ion:114 Resp: 403489
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 16.8 0.0 33.8

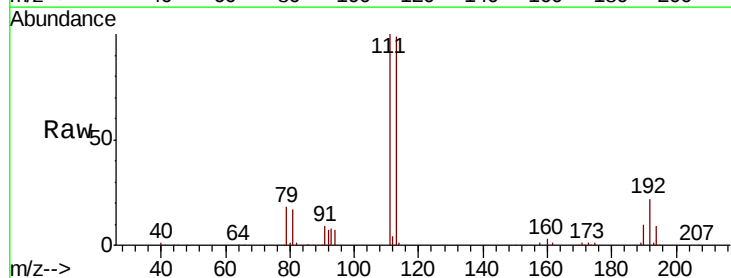


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

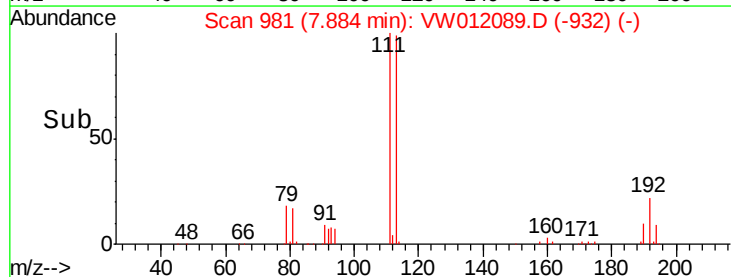
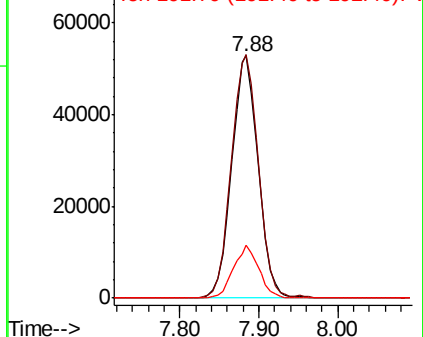


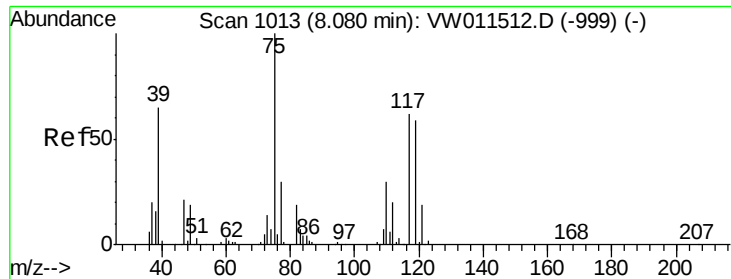
#35
 Dibromofluoromethane
 Concen: 54.333 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012089.D
 Acq: 21 Aug 2019 23:45

Tgt Ion:113 Resp: 122990
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.7 124.1
 192 20.8 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

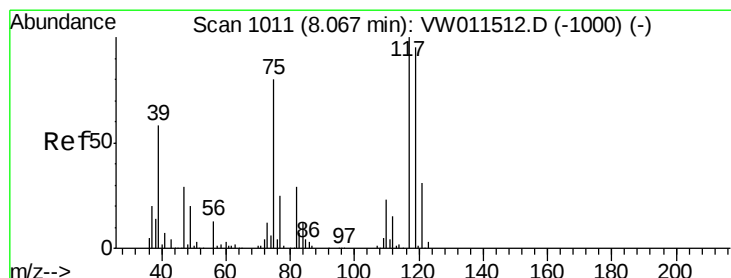
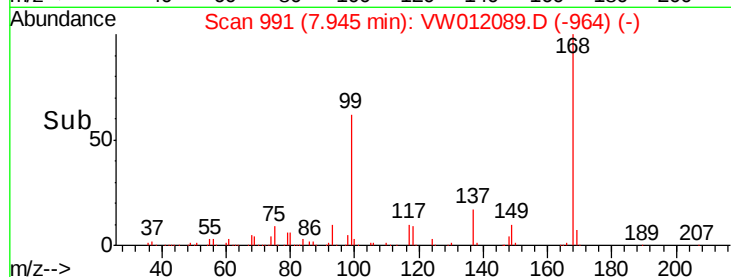
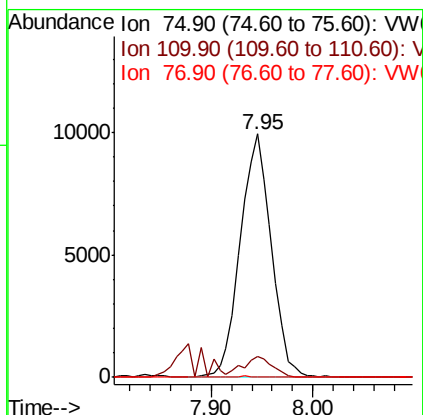
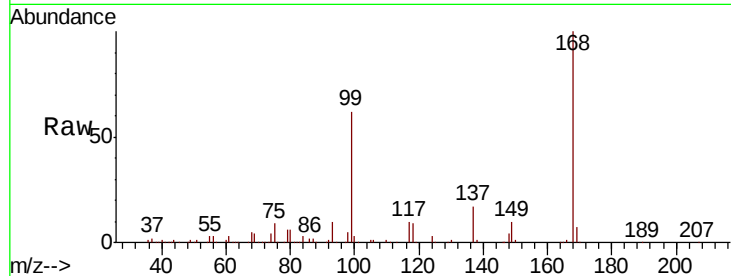




#36
 1,1-Dichloropropene
 Concen: 5.002 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012089.D
 Acq: 21 Aug 2019 23:45

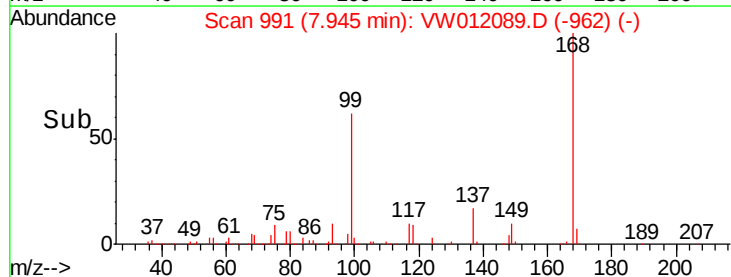
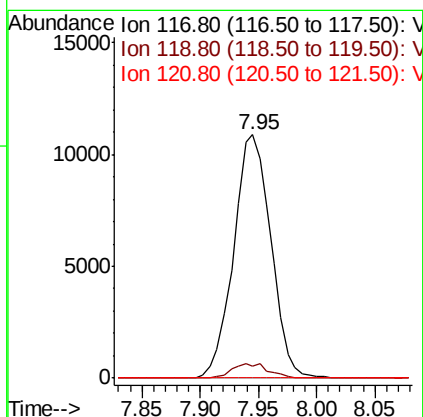
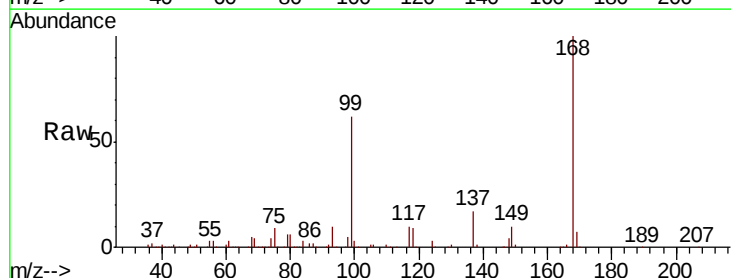
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-G-(0)

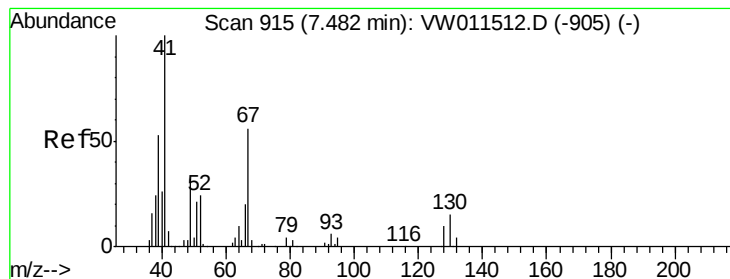
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	15.6	46.8#
77	0.1	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.754 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012089.D
 Acq: 21 Aug 2019 23:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.8	113.6#
121	0.0	24.7	37.1#





#41

Methacrylonitrile

Concen: 2.488 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW012089.D

Acq: 21 Aug 2019 23:45

Instrument :

MSVOA_W

ClientSampleId :

T1-G-(0)

Tgt Ion: 41 Resp: 3590

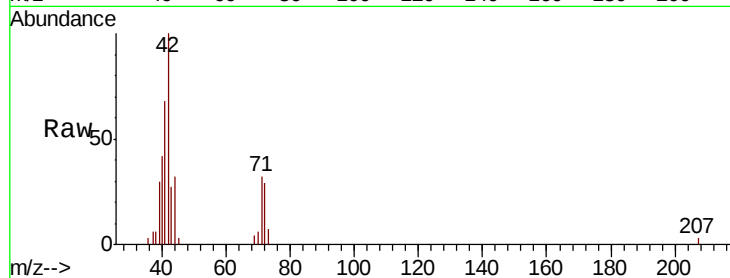
Ion Ratio Lower Upper

41 100

39 55.9 43.0 64.4

67 0.0 47.5 71.3#

52 0.0 21.0 31.6#

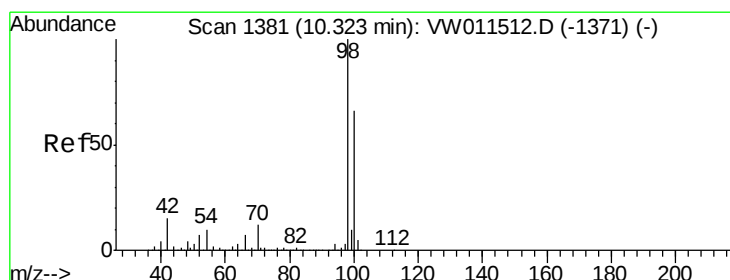
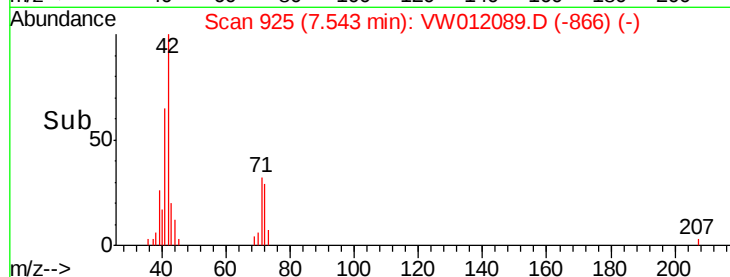
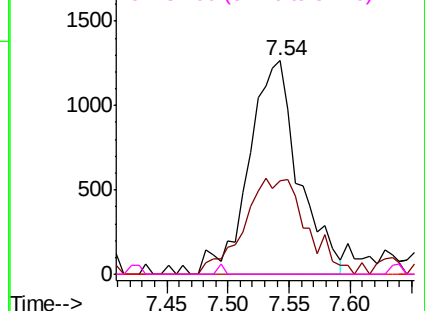


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 52.460 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012089.D

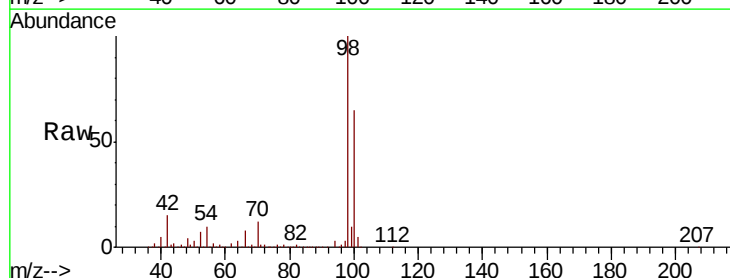
Acq: 21 Aug 2019 23:45

Tgt Ion: 98 Resp: 486199

Ion Ratio Lower Upper

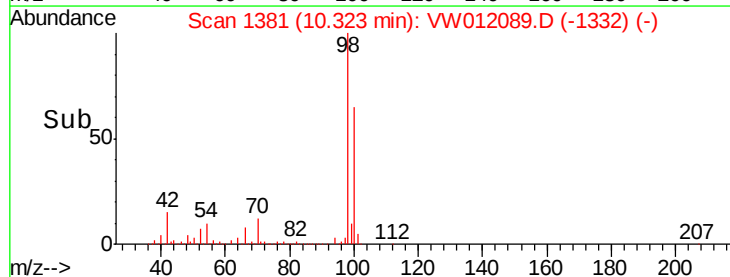
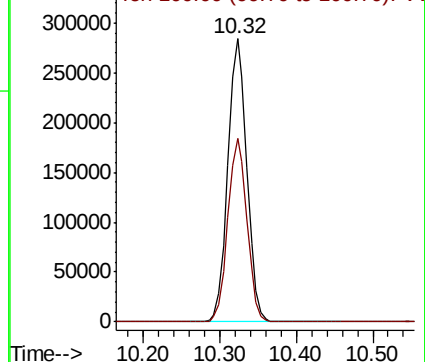
98 100

100 65.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

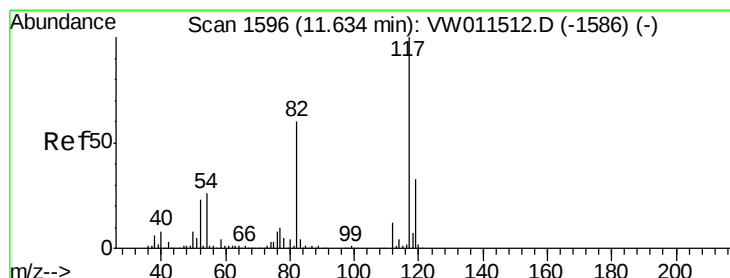
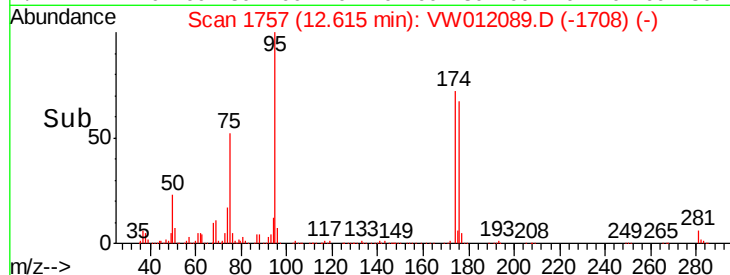
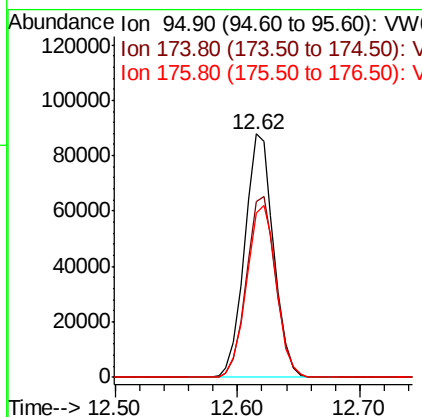
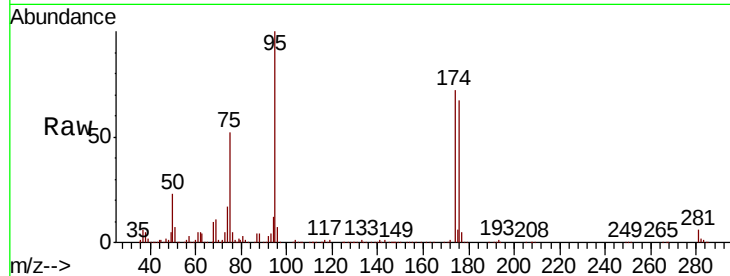




#62
4-Bromofluorobenzene
Concen: 43.424 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012089.D
Acq: 21 Aug 2019 23:45

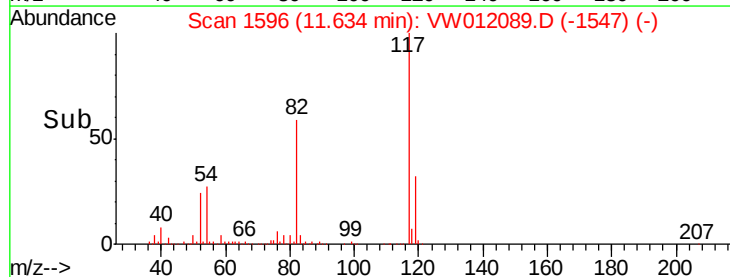
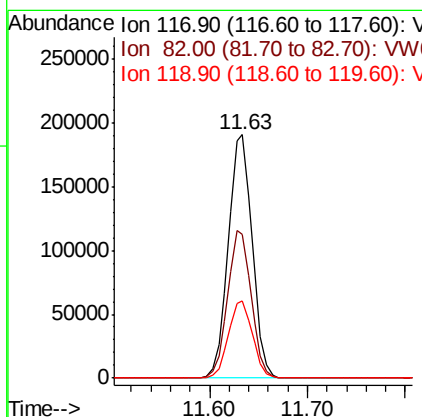
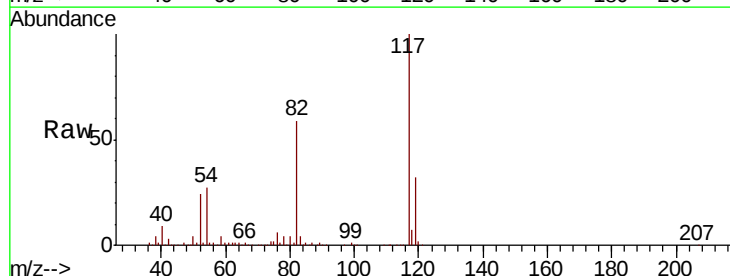
Instrument :
MSVOA_W
ClientSampleId :
T1-G-(0)

Tgt Ion: 95 Resp: 143482
Ion Ratio Lower Upper
95 100
174 75.7 0.0 150.2
176 73.0 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012089.D
Acq: 21 Aug 2019 23:45

Tgt Ion: 117 Resp: 322551
Ion Ratio Lower Upper
117 100
82 59.0 47.9 71.9
119 31.8 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: VW012089.D

Acq: 21 Aug 2019 23:45

Instrument :

MSVOA_W

ClientSampleId :

T1-G-(0)

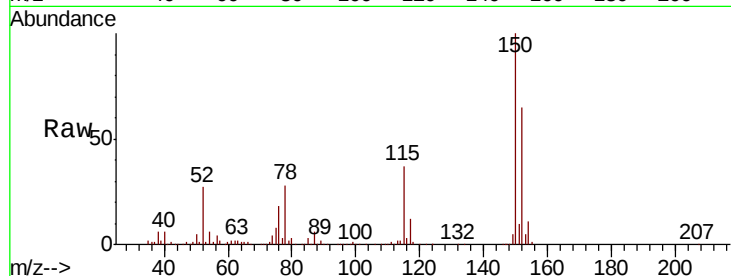
Tgt Ion:152 Resp: 113717

Ion Ratio Lower Upper

152 100

115 59.4 30.5 91.5

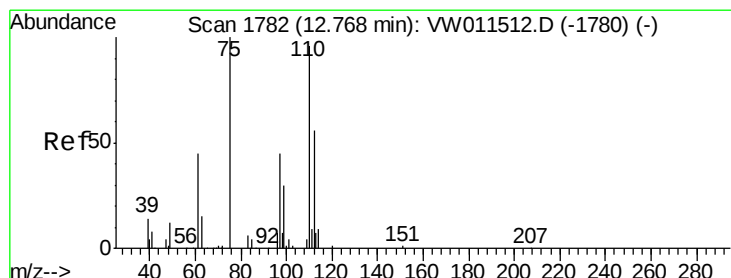
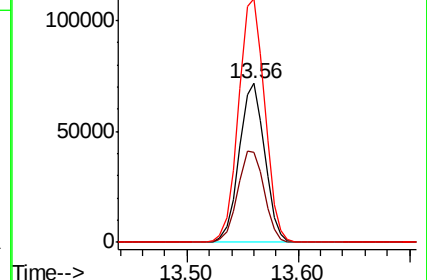
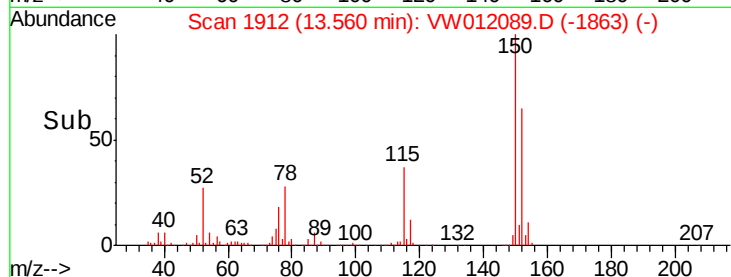
150 156.8 0.0 352.6



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: 63.114 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012089.D

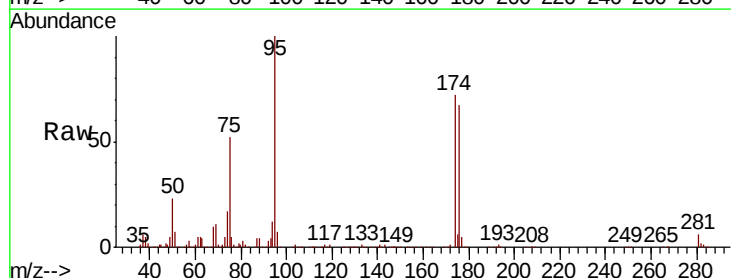
Acq: 21 Aug 2019 23:45

Tgt Ion: 75 Resp: 75942

Ion Ratio Lower Upper

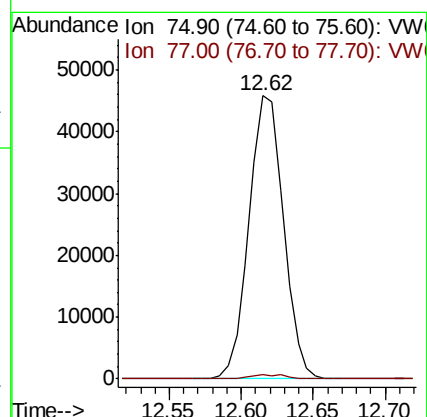
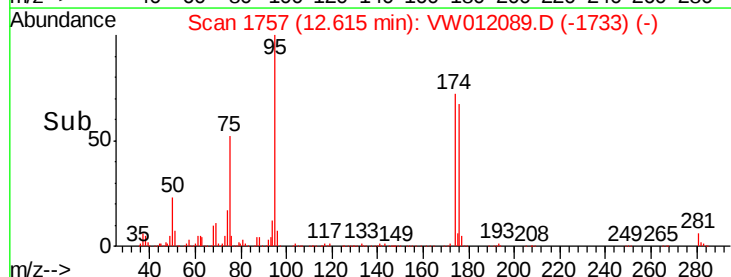
75 100

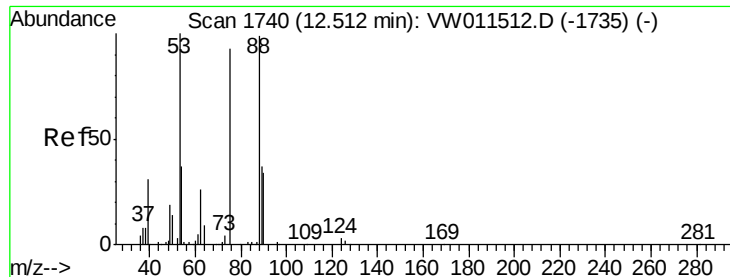
77 1.5 0.0 0.0#



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: 145.455 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012089.D

Acq: 21 Aug 2019 23:45

Instrument :

MSVOA_W

ClientSampleId :

T1-G-(0)

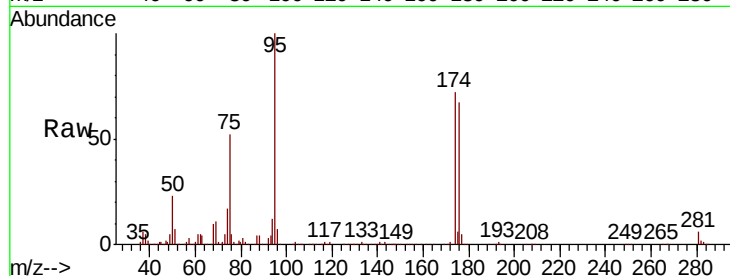
Tgt Ion: 75 Resp: 75942

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

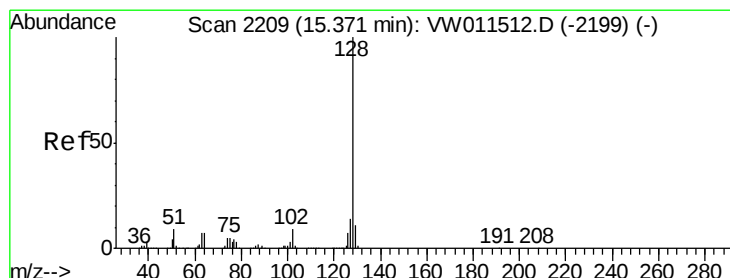
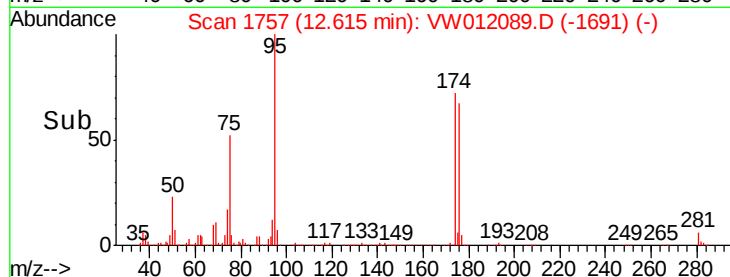
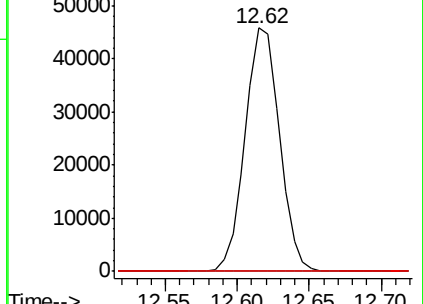
89 0.1 35.3 52.9#



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: 2.796 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW012089.D

Acq: 21 Aug 2019 23:45

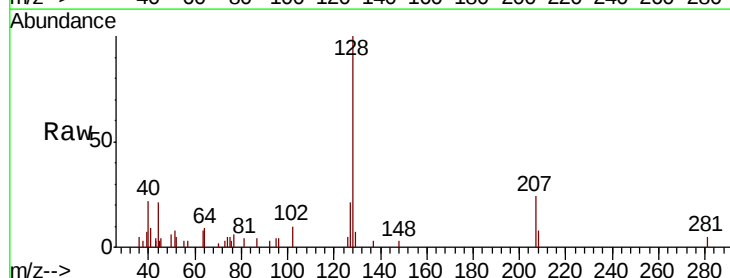
Tgt Ion: 128 Resp: 3419

Ion Ratio Lower Upper

128 100

127 17.4 10.6 16.0#

129 11.1 8.6 13.0



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

