

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090319\
 Data File : VW012556.D
 Acq On : 03 Sep 2019 19:21
 Operator : SY/VA
 Sample : K4551-09RE
 Misc : 6.38G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 04 06:48:58 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

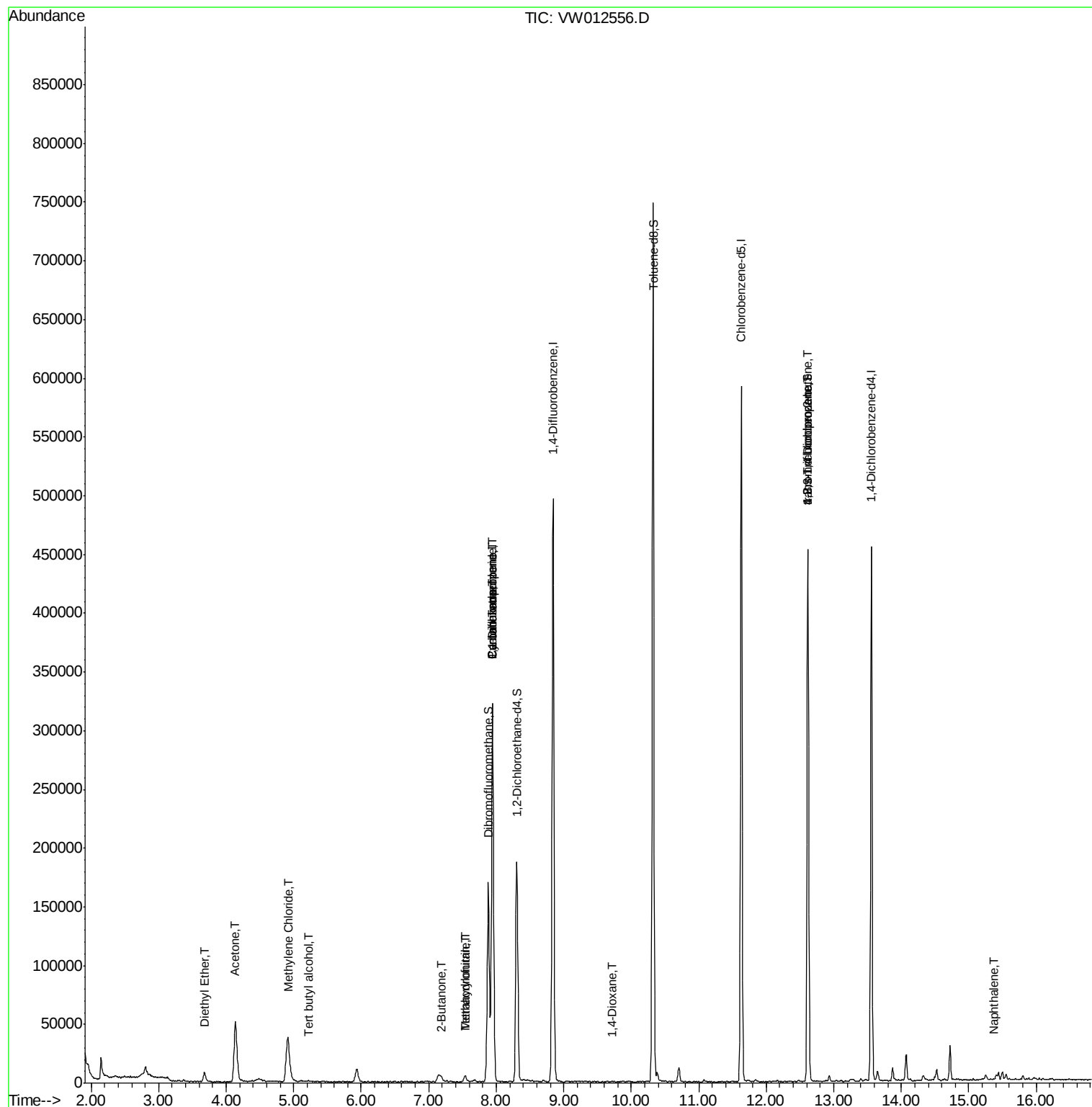
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	234475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	380801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	114621	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	151752	54.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.88%	
35) Dibromofluoromethane	7.88	113	118770	52.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.50%	
50) Toluene-d8	10.32	98	463116	50.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.62	95	141467	43.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.08%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	4152	3.182	ug/l	97
11) Tert butyl alcohol	5.22	59	1012	6.033	ug/l #	90
16) Acetone	4.14	43	105878	148.600	ug/l	96
20) Methylene Chloride	4.92	84	29665	11.013	ug/l	95
25) 2-Butanone	7.19	43	6818	7.042	ug/l	97
29) Tetrahydrofuran	7.54	42	4943	8.509	ug/l	96
31) Cyclohexane	7.95	56	5722	1.140	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	20451	5.197	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23600	6.929	ug/l #	16
41) Methacrylonitrile	7.54	41	3135	2.474	ug/l #	53
49) 1,4-Dioxane	9.72	88	23	1.168	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	75982	68.064	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75982	149.233	ug/l #	6
95) Naphthalene	15.36	128	537	4.435	ug/l #	78

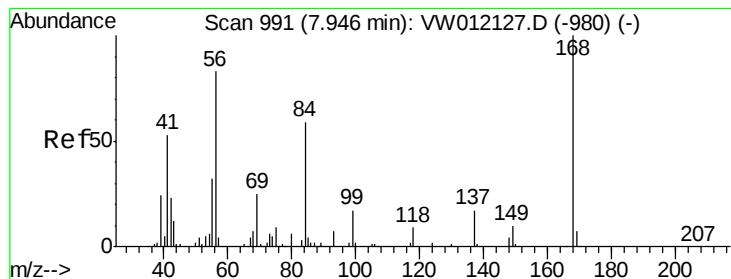
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012556.D

Acq: 03 Sep 2019 19:21

Instrument :

MSVOA_W

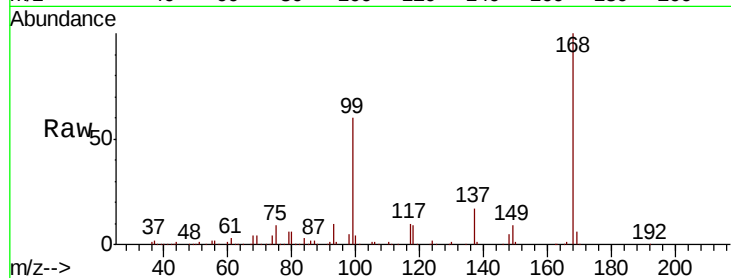
ClientSampleId :

Tgt Ion:168 Resp: 234475

Ion Ratio Lower Upper

168 100

99 60.0 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

120000

100000

80000

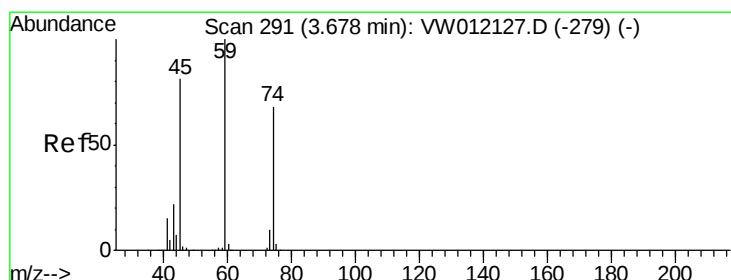
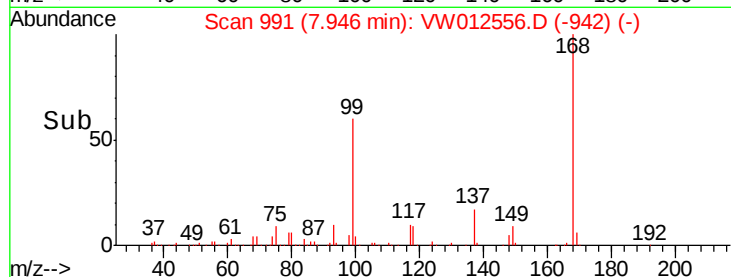
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 3.182 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW012556.D

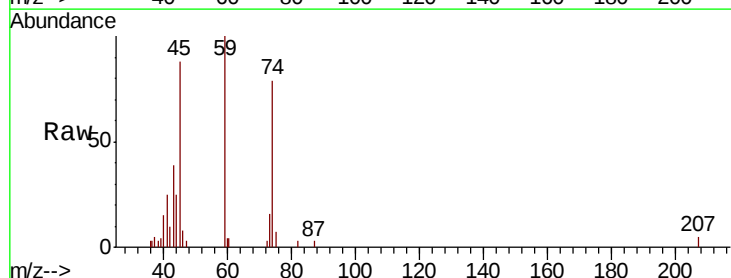
Acq: 03 Sep 2019 19:21

Tgt Ion: 74 Resp: 4152

Ion Ratio Lower Upper

74 100

45 115.2 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

2000

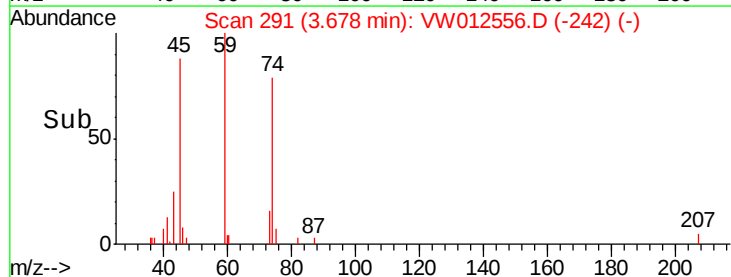
1500

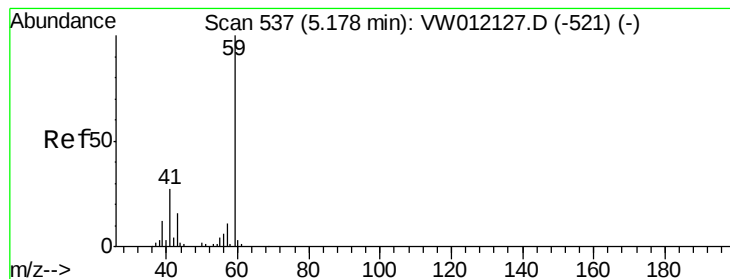
1000

500

0

Time-->



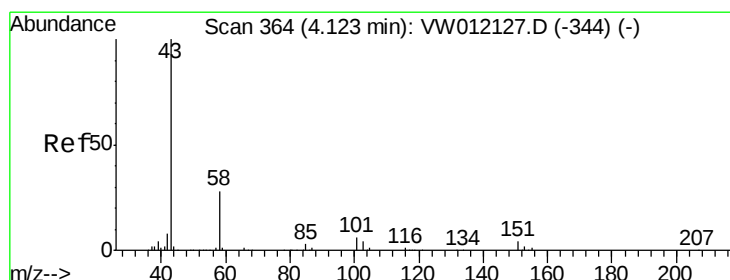
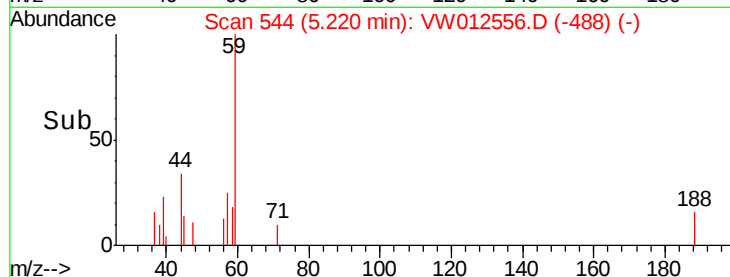
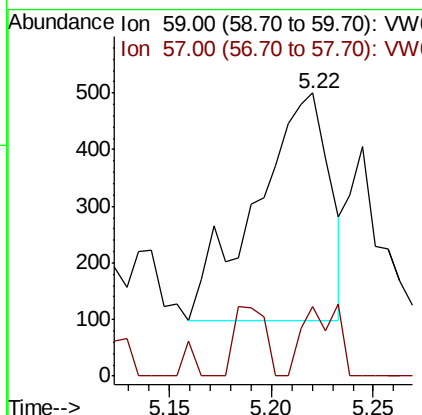
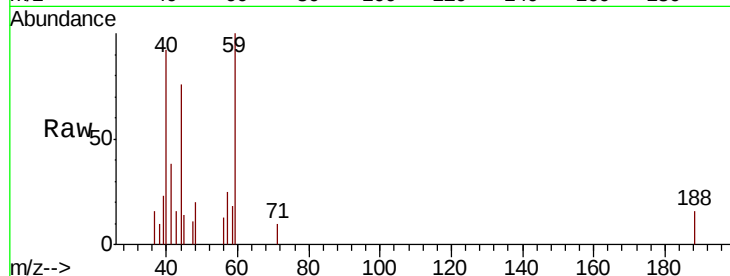


#11

Tert butyl alcohol
Concen: 6.033 ug/l
RT: 5.22 min Scan# 544
Delta R.T. 0.04 min
Lab File: VW012556.D
Acq: 03 Sep 2019 19:21

Instrument :
MSVOA_W
ClientSampled :

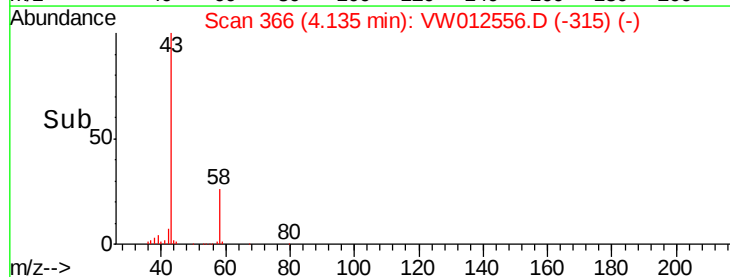
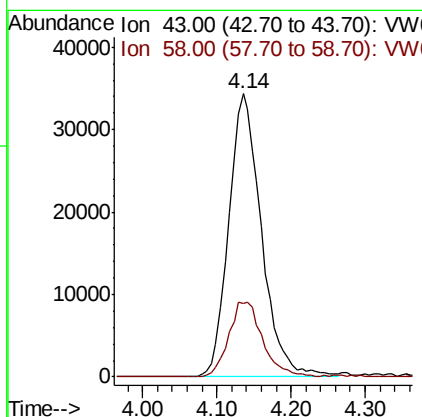
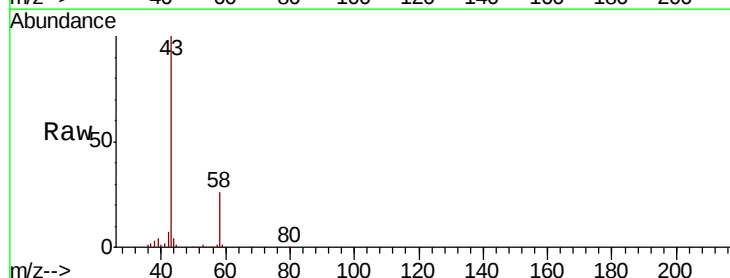
Tgt Ion: 59 Resp: 1012
Ion Ratio Lower Upper
59 100
57 14.9 9.0 13.4#

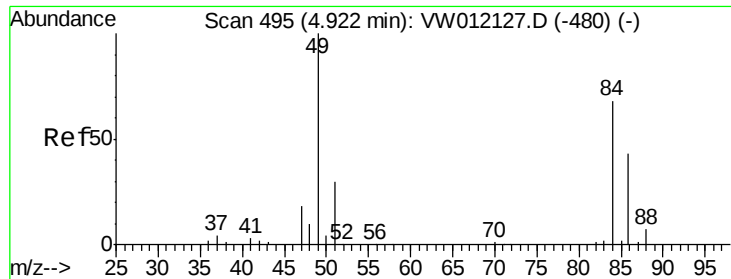


#16

Acetone
Concen: 148.600 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012556.D
Acq: 03 Sep 2019 19:21

Tgt Ion: 43 Resp: 105878
Ion Ratio Lower Upper
43 100
58 25.8 22.4 33.6

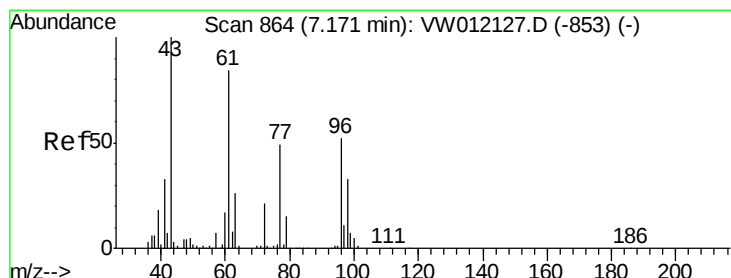
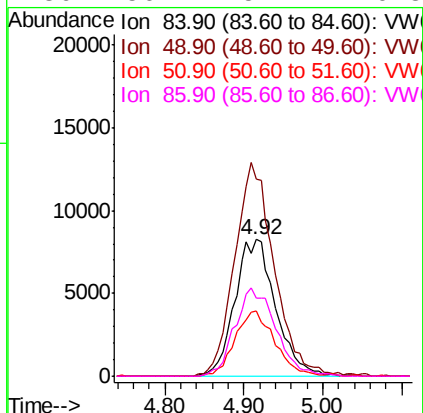
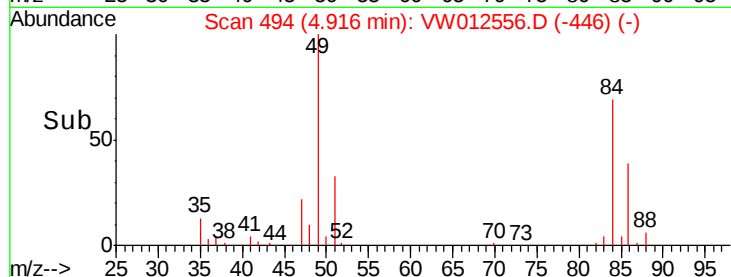
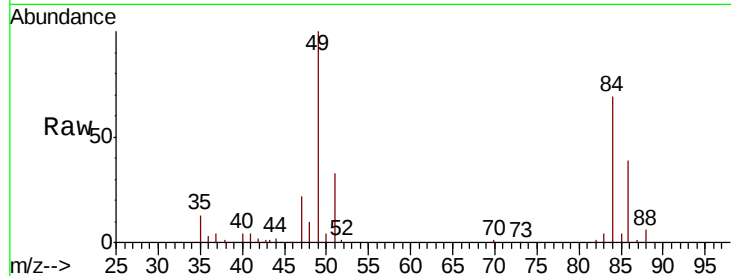




#20
Methylene Chloride
Concen: 11.013 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012556.D
Acq: 03 Sep 2019 19:21

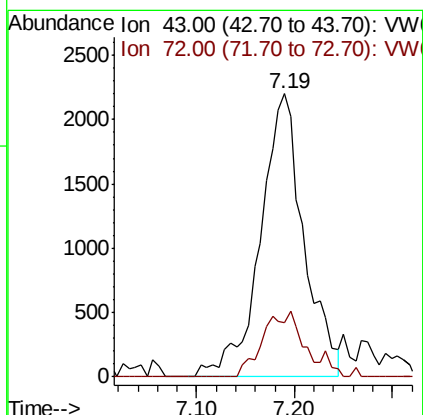
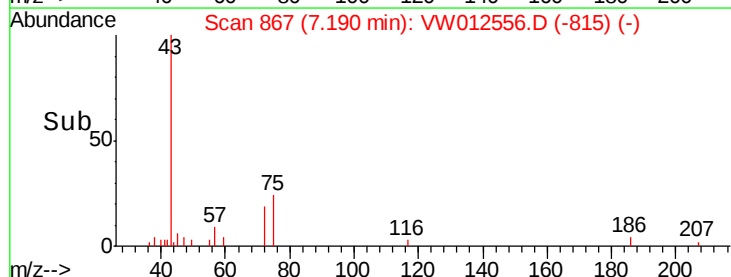
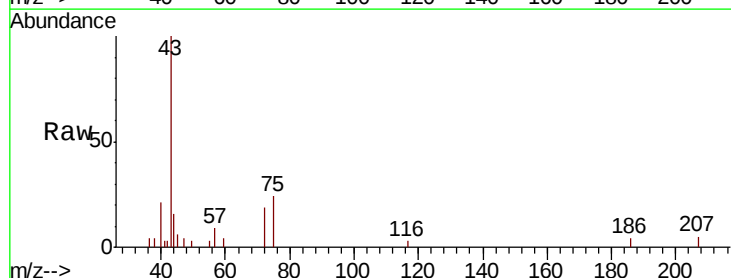
Instrument :
MSVOA_W
ClientSampleId :

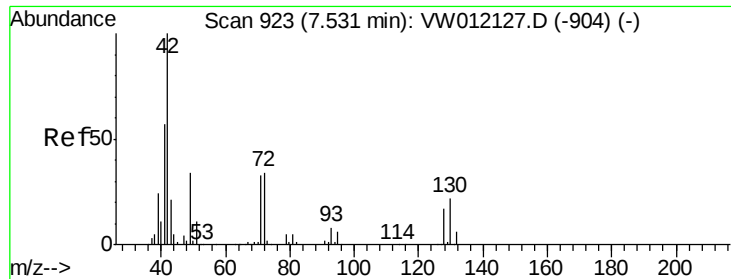
Tgt Ion:	84	Resp:	29665
Ion	Ratio	Lower	Upper
84	100		
49	144.4	117.8	176.8
51	47.7	35.6	53.4
86	56.7	51.2	76.8



#25
2-Butanone
Concen: 7.042 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW012556.D
Acq: 03 Sep 2019 19:21

Tgt Ion:	43	Resp:	6818
Ion	Ratio	Lower	Upper
43	100		
72	19.3	16.6	24.8

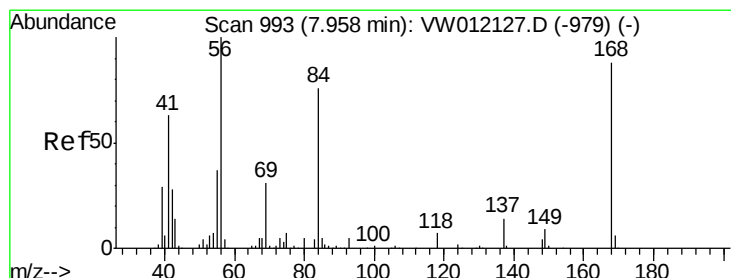
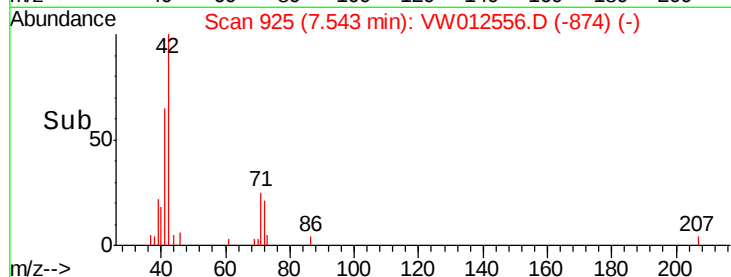
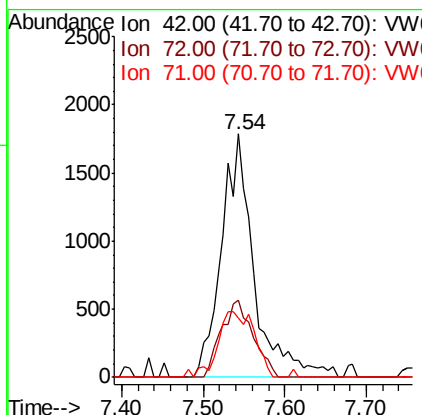
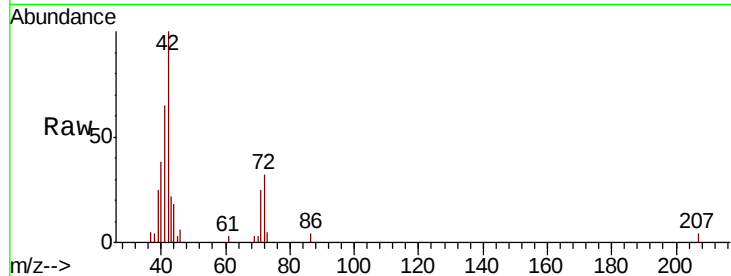




#29
Tetrahydrofuran
Concen: 8.509 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012556.D
Acq: 03 Sep 2019 19:21

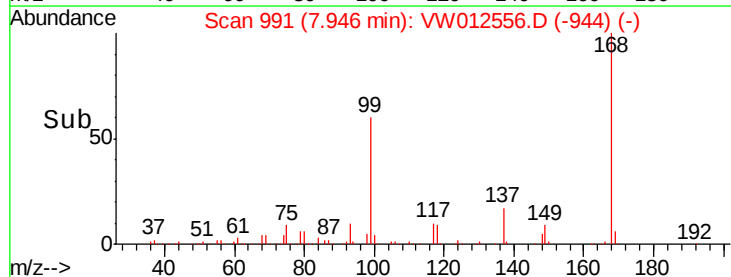
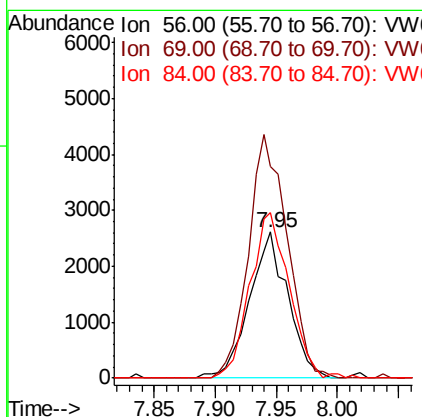
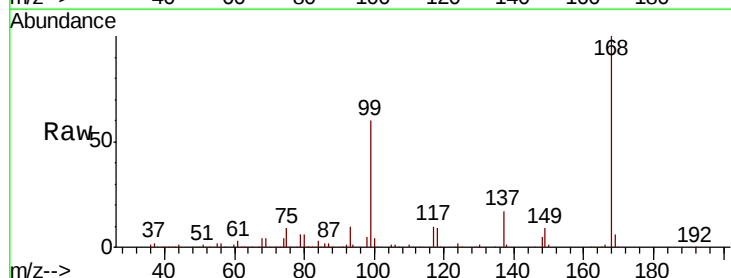
Instrument :
MSVOA_W
ClientSampleId :

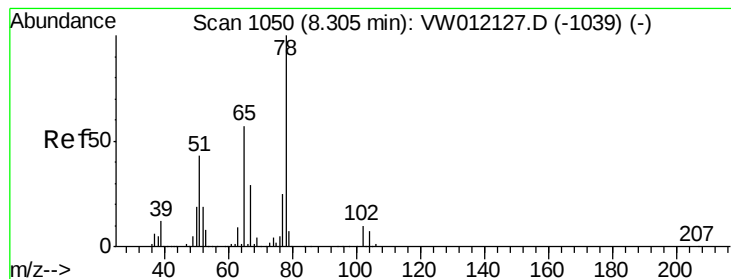
Tgt Ion: 42 Resp: 4943
Ion Ratio Lower Upper
42 100
72 31.1 27.3 40.9
71 30.3 25.5 38.3



#31
Cyclohexane
Concen: 1.140 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012556.D
Acq: 03 Sep 2019 19:21

Tgt Ion: 56 Resp: 5722
Ion Ratio Lower Upper
56 100
69 144.4 24.9 37.3#
84 113.2 60.6 90.8#





#33

1,2-Dichloroethane-d4

Concen: 54.443 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012556.D

Acq: 03 Sep 2019 19:21

Instrument :

MSVOA_W

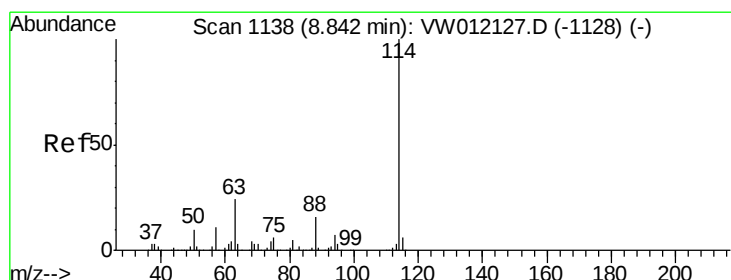
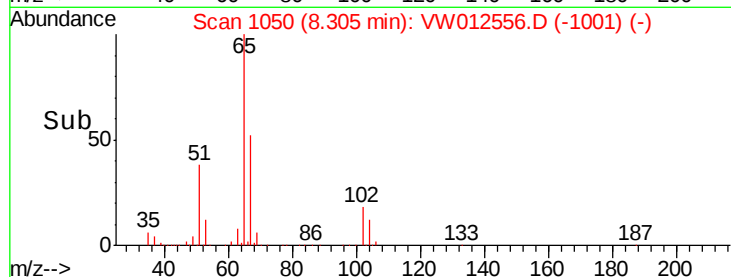
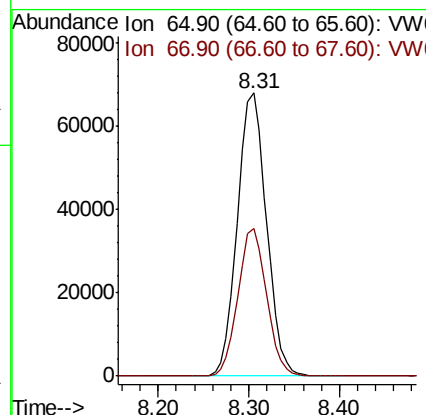
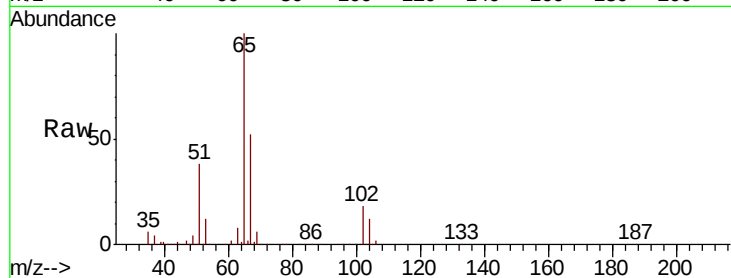
ClientSampleId :

Tgt Ion: 65 Resp: 151752

Ion Ratio Lower Upper

65 100

67 51.2 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: VW012556.D

Acq: 03 Sep 2019 19:21

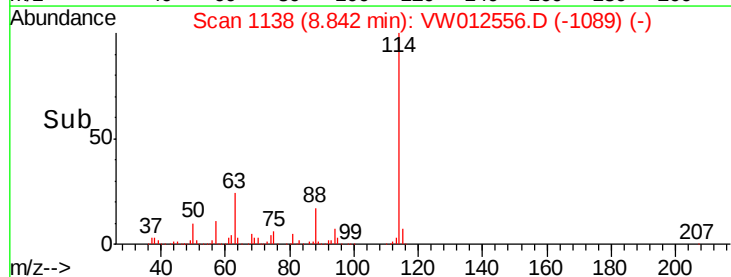
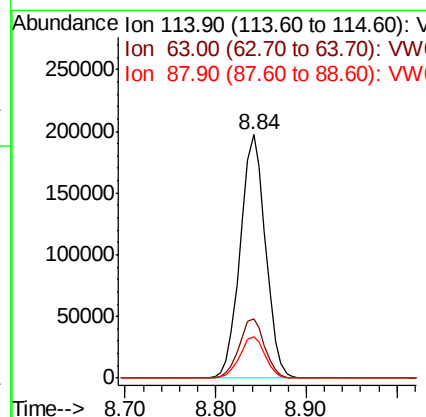
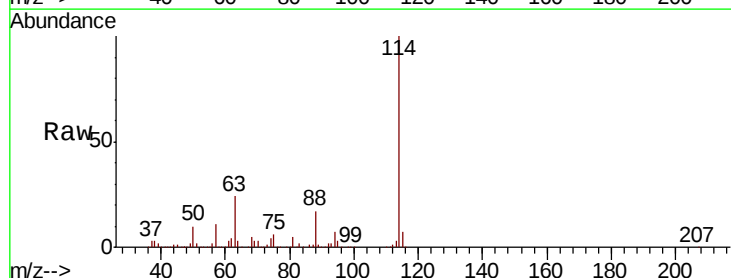
Tgt Ion: 114 Resp: 380801

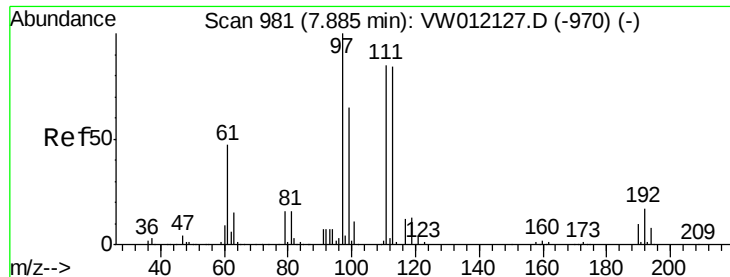
Ion Ratio Lower Upper

114 100

63 24.3 0.0 48.6

88 17.0 0.0 32.2

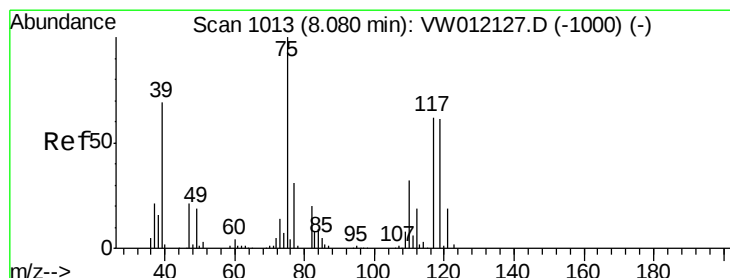
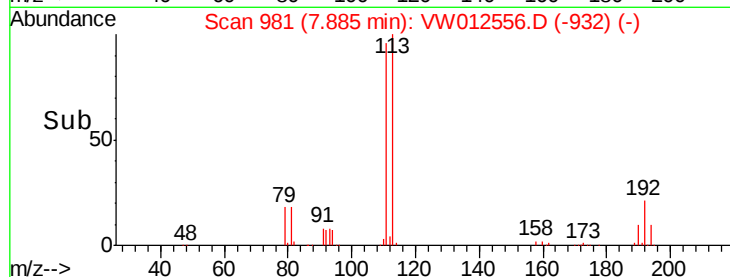
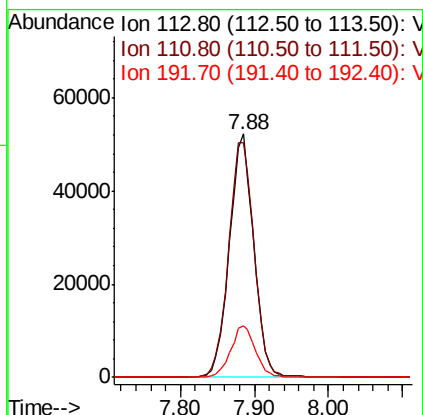
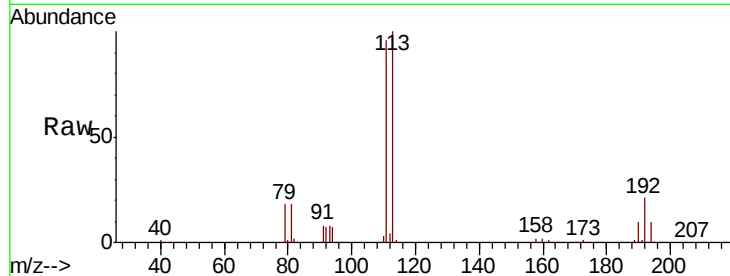




#35
 Dibromofluoromethane
 Concen: 52.252 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012556.D
 Acq: 03 Sep 2019 19:21

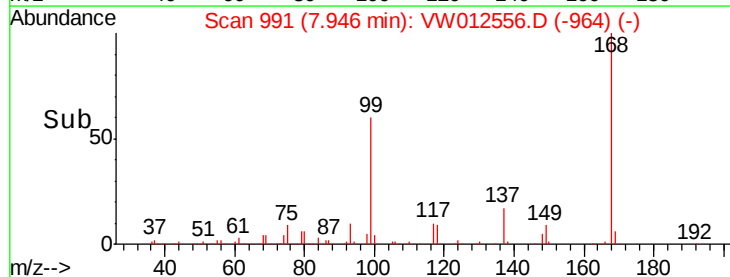
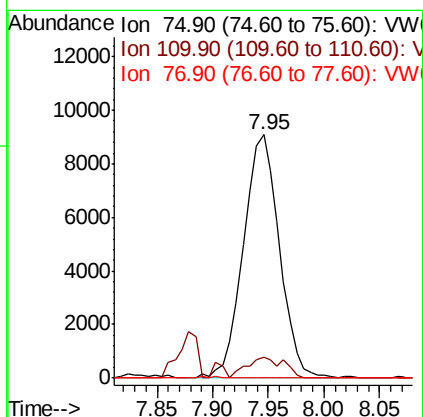
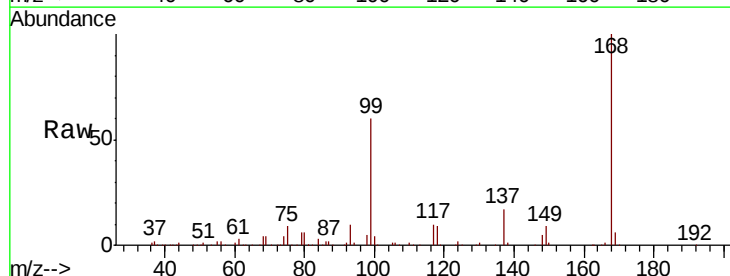
Instrument :
 MSVOA_W
 ClientSampleId :

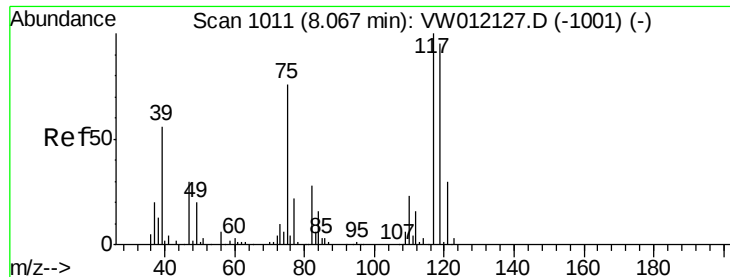
Tgt Ion:113 Resp: 118770
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.7 124.1
 192 21.5 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.197 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012556.D
 Acq: 03 Sep 2019 19:21

Tgt Ion: 75 Resp: 20451
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.6 46.8#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.929 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012556.D

Acq: 03 Sep 2019 19:21

Instrument :

MSVOA_W

ClientSampled :

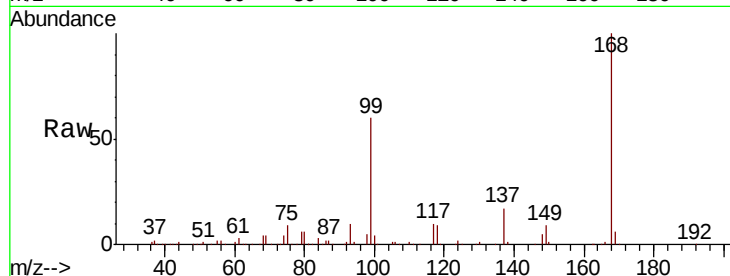
Tgt Ion:117 Resp: 23600

Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

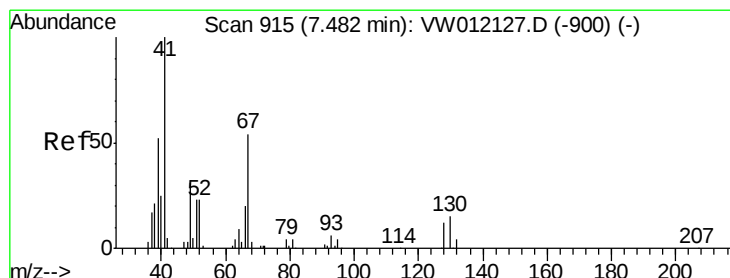
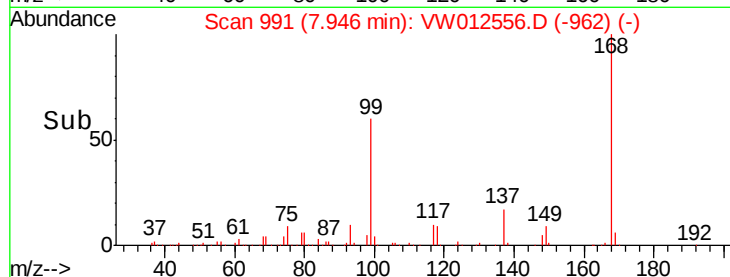
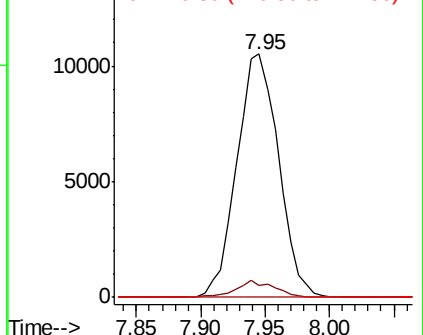
121 0.0 23.8 35.8#



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: 2.474 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW012556.D

Acq: 03 Sep 2019 19:21

Tgt Ion: 41 Resp: 3135

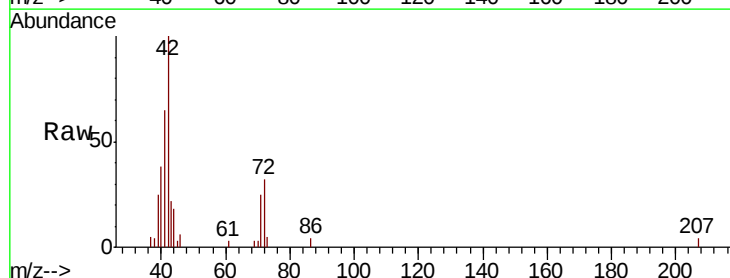
Ion Ratio Lower Upper

41 100

39 47.7 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

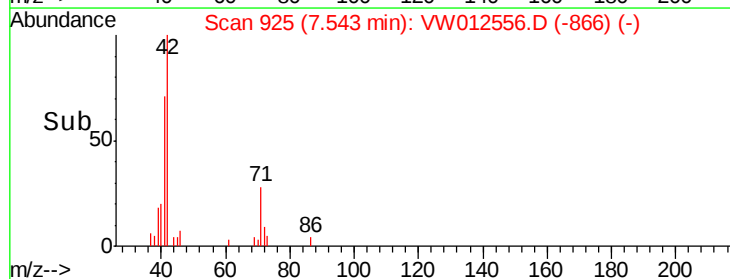
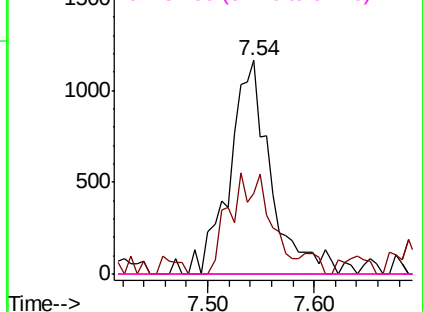


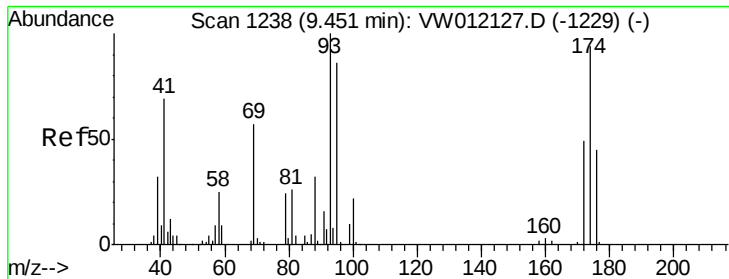
Abundance Ion 41.00 (40.70 to 41.70): VW

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





#49

1,4-Dioxane

Concen: 1.168 ug/l

RT: 9.72 min Scan# 1282

Delta R.T. 0.27 min

Lab File: VW012556.D

Acq: 03 Sep 2019 19:21

Instrument :

MSVOA_W

ClientSampleId :

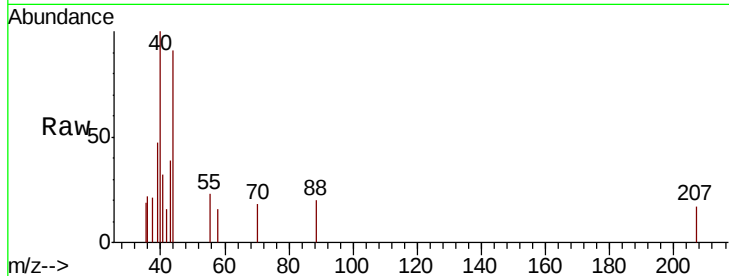
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

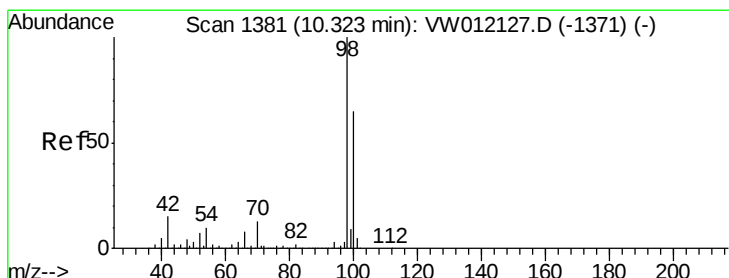
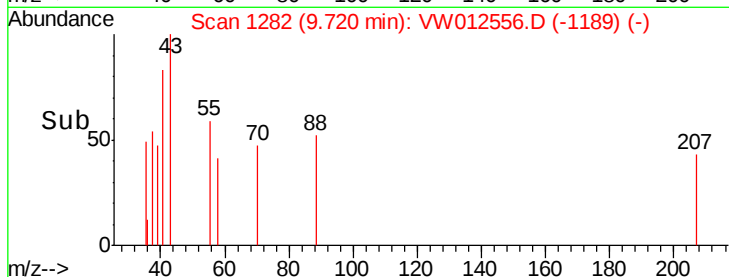
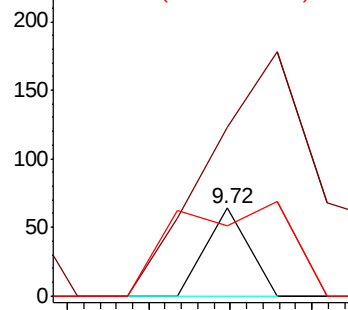
58 178.3 71.0 106.4#



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: 50.249 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012556.D

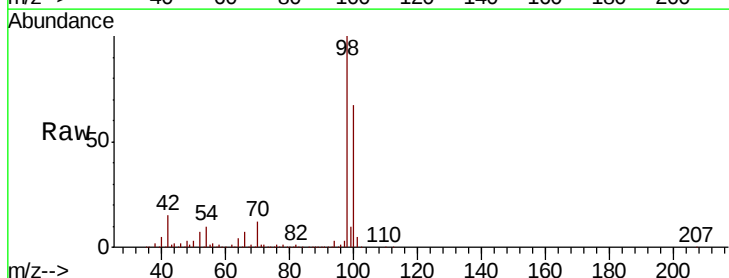
Acq: 03 Sep 2019 19:21

Tgt Ion: 98 Resp: 463116

Ion Ratio Lower Upper

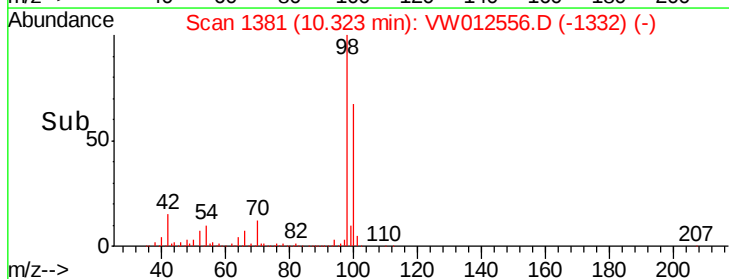
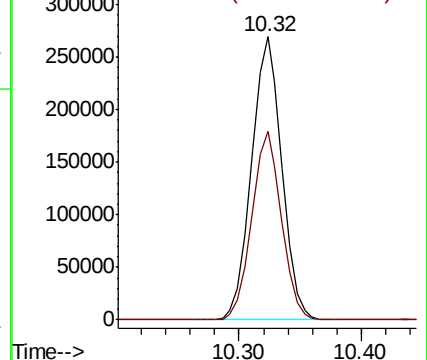
98 100

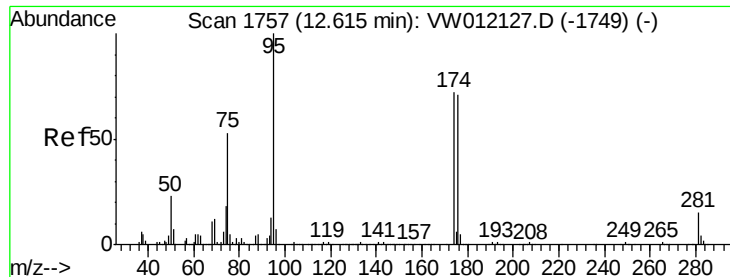
100 65.3 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 43.545 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012556.D

Acq: 03 Sep 2019 19:21

Instrument :

MSVOA_W

ClientSampled :

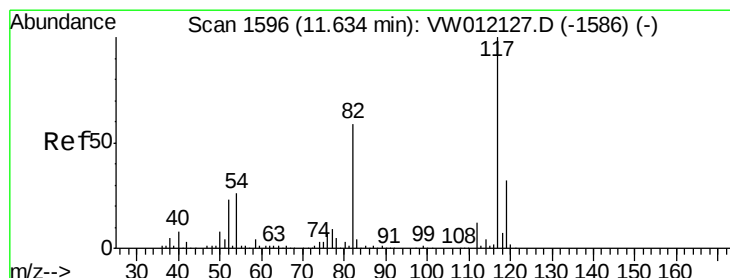
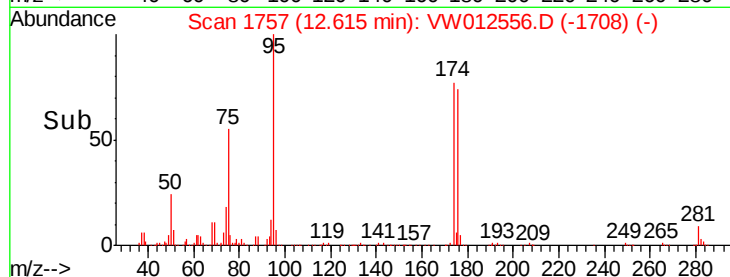
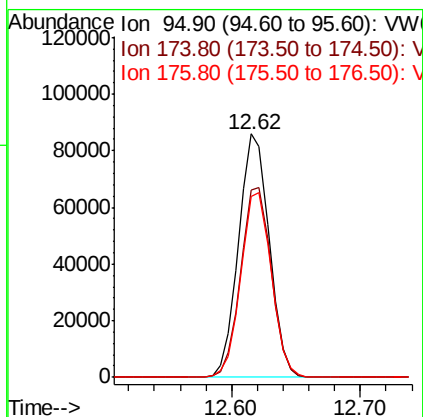
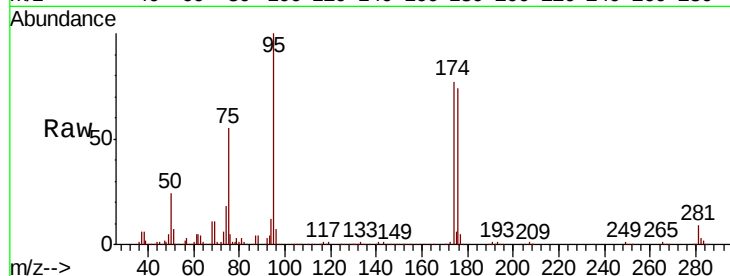
Tgt Ion: 95 Resp: 141467

Ion Ratio Lower Upper

95 100

174 78.0 0.0 150.8

176 75.6 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: VW012556.D

Acq: 03 Sep 2019 19:21

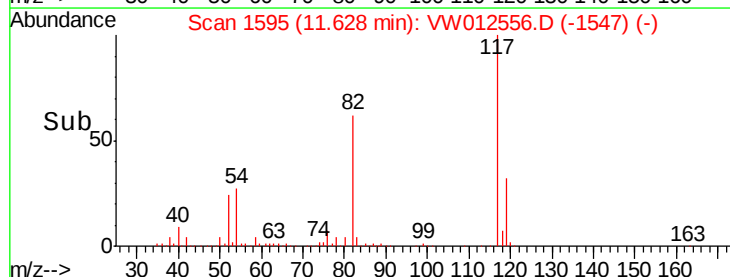
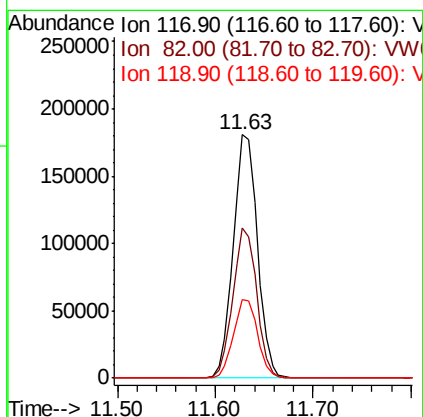
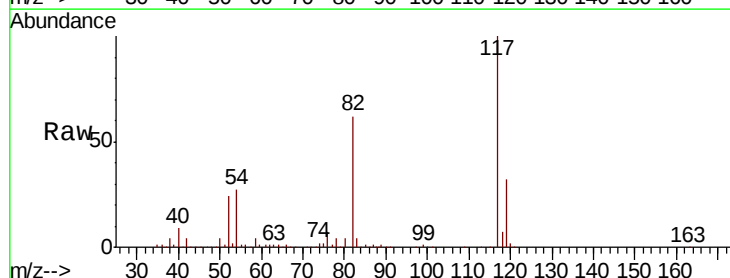
Tgt Ion: 117 Resp: 311202

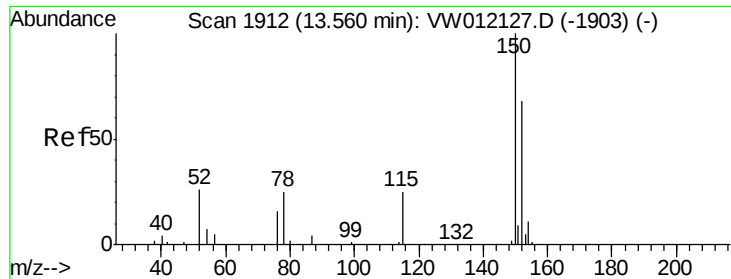
Ion Ratio Lower Upper

117 100

82 61.5 47.4 71.2

119 32.3 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: VW012556.D

Acq: 03 Sep 2019 19:21

Instrument :

MSVOA_W

ClientSampleId :

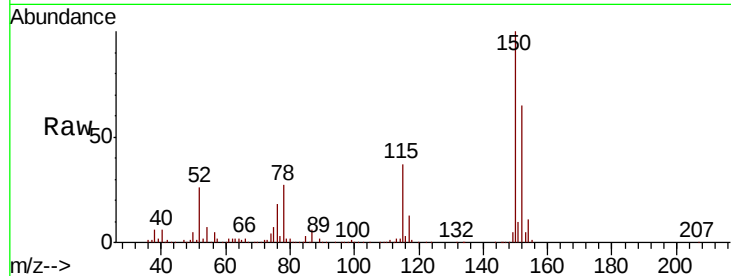
Tgt Ion: 152 Resp: 114621

Ion Ratio Lower Upper

152 100

115 59.6 30.1 90.3

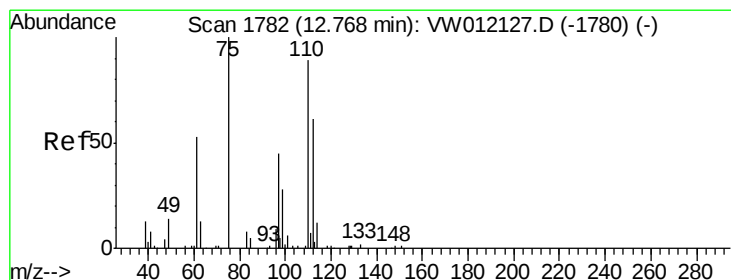
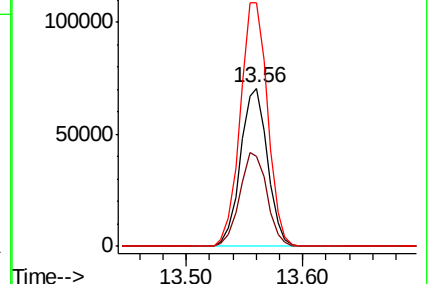
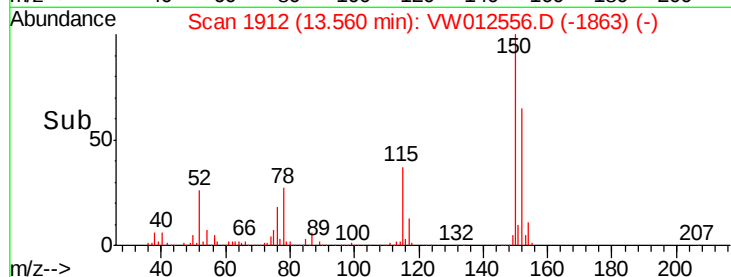
150 155.8 0.0 345.8



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: 68.064 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012556.D

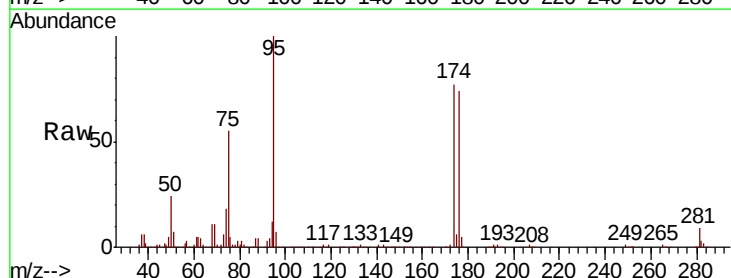
Acq: 03 Sep 2019 19:21

Tgt Ion: 75 Resp: 75982

Ion Ratio Lower Upper

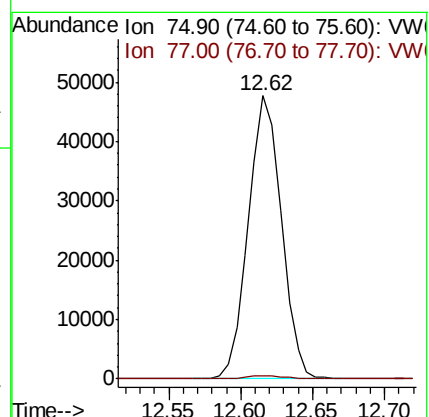
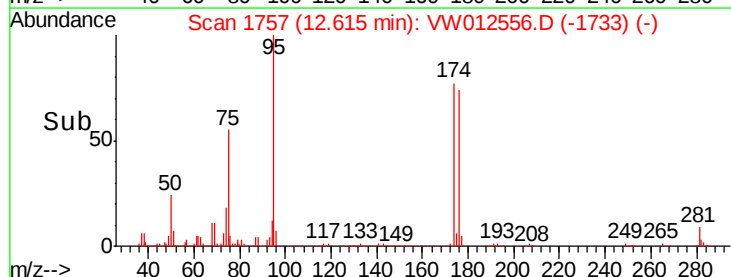
75 100

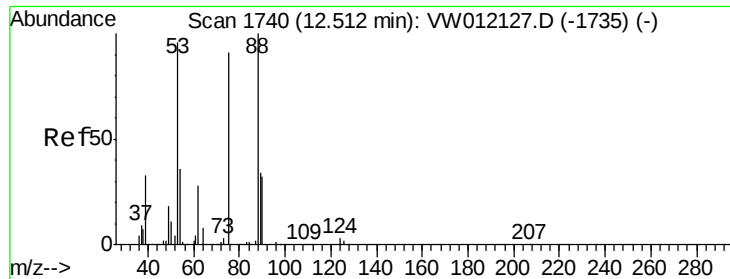
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

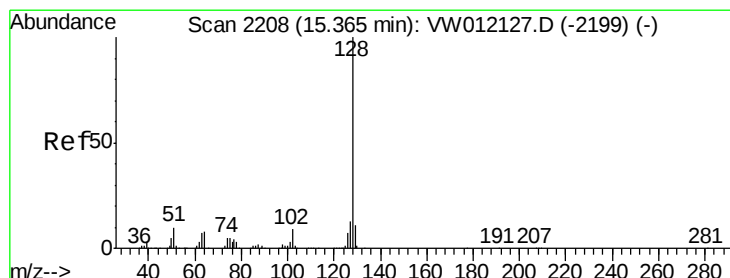
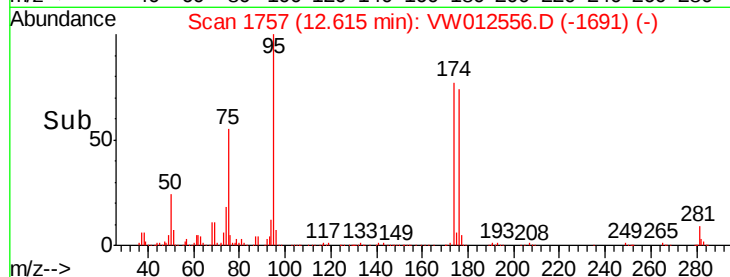
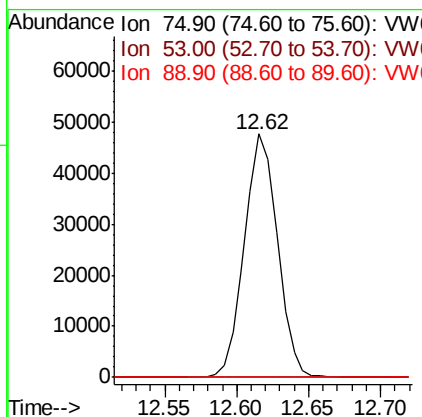
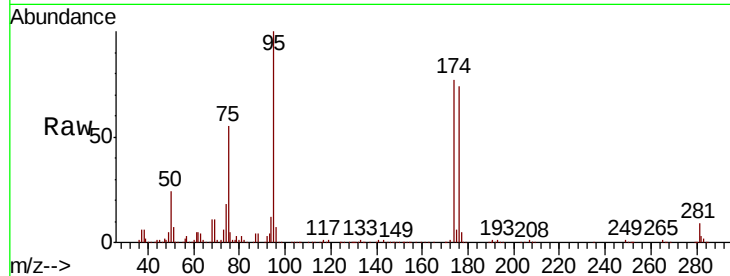




#81
trans-1,4-Dichloro-2-butene
Concen: 149.233 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012556.D
Acq: 03 Sep 2019 19:21

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 75982
Ion Ratio Lower Upper
75 100
53 0.2 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.435 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012556.D
Acq: 03 Sep 2019 19:21

Tgt Ion: 128 Resp: 537
Ion Ratio Lower Upper
128 100
127 6.5 10.7 16.1#
129 0.0 8.7 13.1#

