

Data File : VW012736.D
Acq On : 07 Sep 2019 22:29
Operator : SY/VA
Sample : K4554-41
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-3-(0-2)

Quant Time: Sep 08 05:15:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	230517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	347242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	284640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105068	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	136333	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
35) Dibromofluoromethane	7.88	113	104678	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
50) Toluene-d8	10.32	98	408631	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.62	95	120246	40.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.90%	

Target Compounds

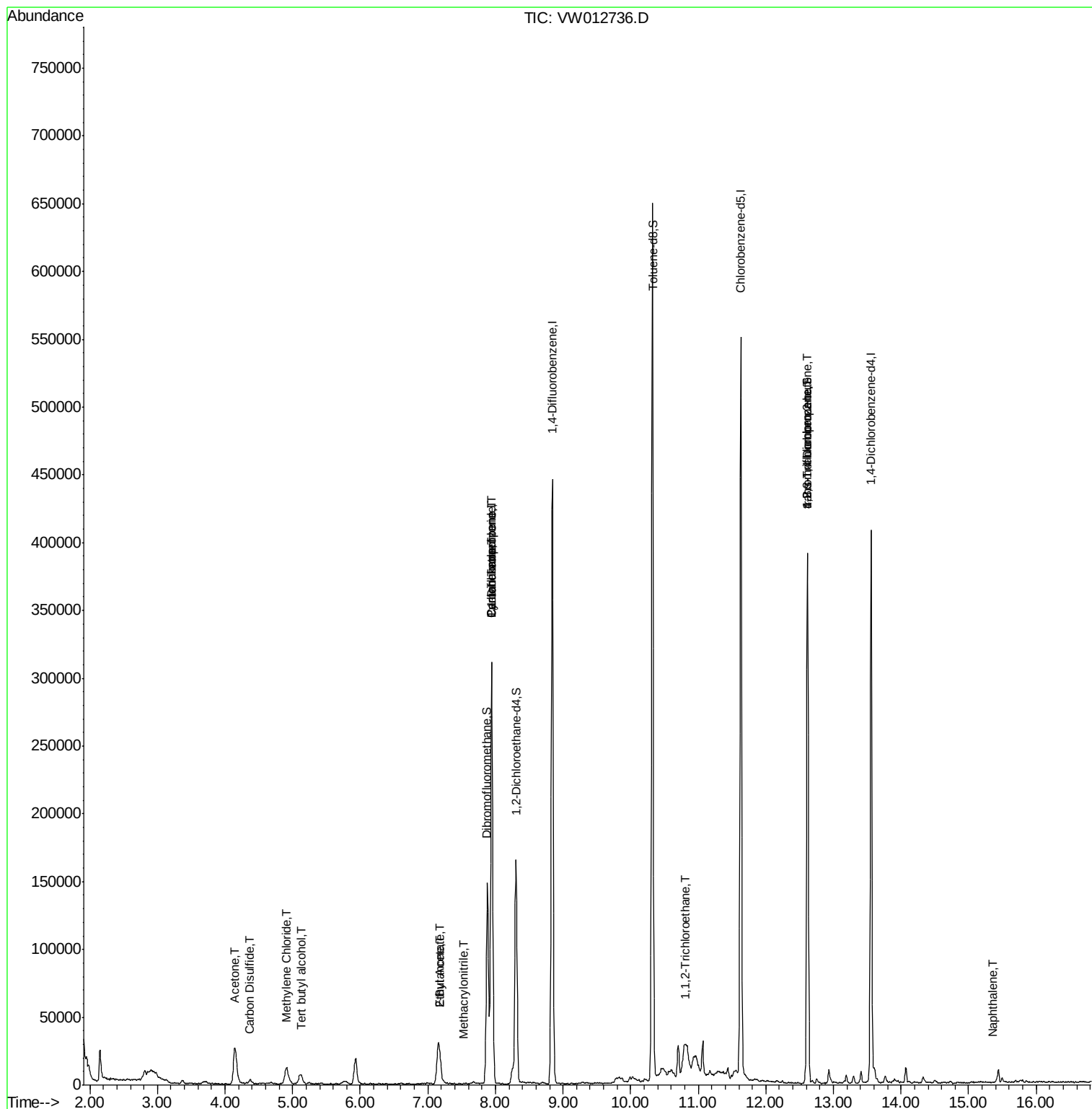
						Qvalue
11) Tert butyl alcohol	5.12	59	6890	34.963	ug/l #	75
16) Acetone	4.14	43	62548	89.078	ug/l	100
17) Carbon Disulfide	4.37	76	6523	1.614	ug/l	98
20) Methylene Chloride	4.92	84	9247	4.209	ug/l	90
25) 2-Butanone	7.18	43	20073	37.567	ug/l	93
31) Cyclohexane	7.94	56	5630	1.487	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18228	5.908	ug/l #	52
37) Ethyl Acetate	7.18	43	20073	10.206	ug/l #	72
38) Carbon Tetrachloride	7.94	117	23077	7.588	ug/l #	17
41) Methacrylonitrile	7.52	41	150	3.942	ug/l #	55
55) 1,1,2-Trichloroethane	10.81	97	2404	1.428	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	66486	61.884	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	66486	130.889	ug/l #	6
95) Naphthalene	15.36	128	175	4.475	ug/l #	69

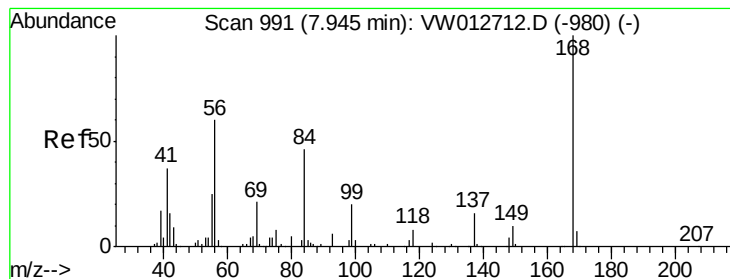
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012736.D

Acq: 07 Sep 2019 22:29

Instrument :

MSVOA_W

ClientSampleId :

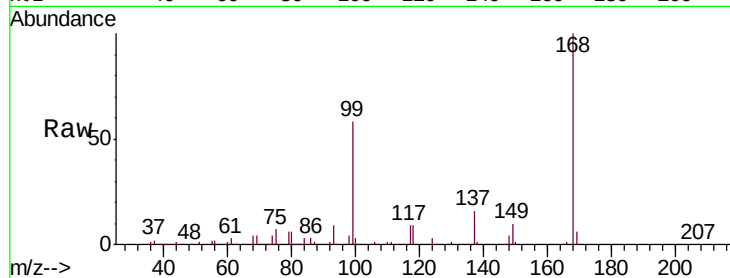
SB-3-(0-2)

Tgt Ion:168 Resp: 230517

Ion Ratio Lower Upper

168 100

99 58.2 47.8 71.6



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

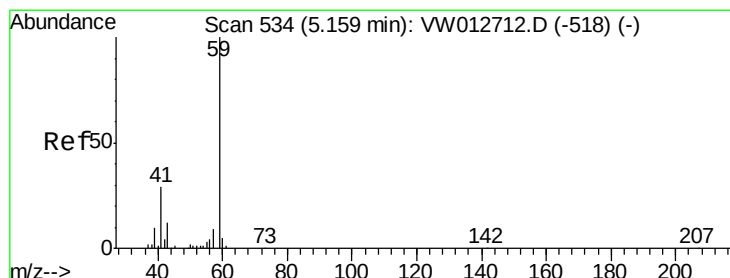
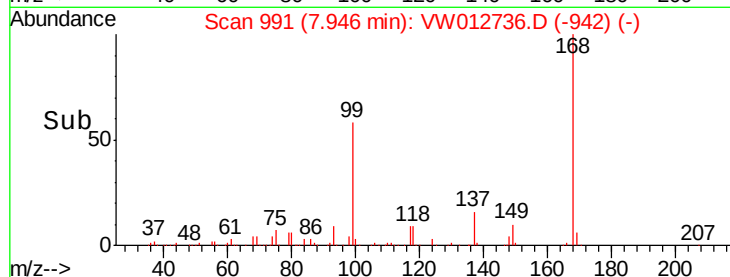
40000

20000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 34.963 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW012736.D

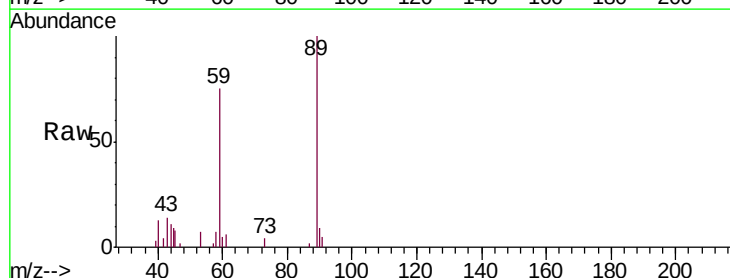
Acq: 07 Sep 2019 22:29

Tgt Ion: 59 Resp: 6890

Ion Ratio Lower Upper

59 100

57 1.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

2000

1500

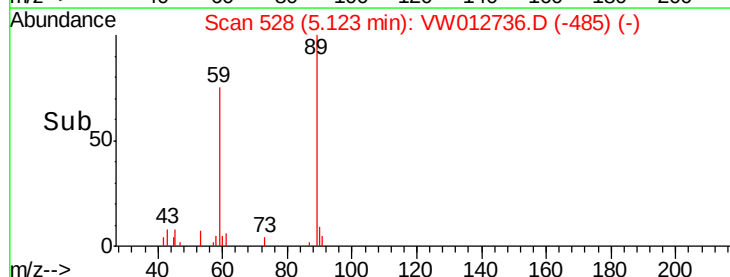
1000

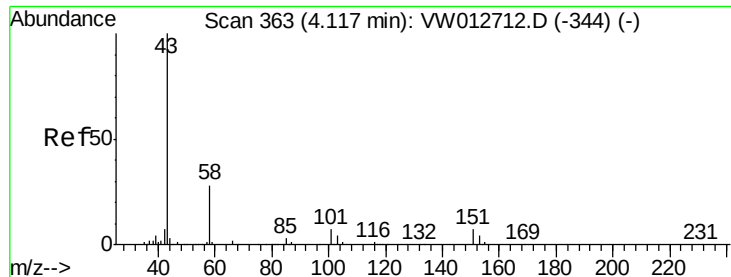
500

0

Time-->

5.00 5.10 5.20





#16

Acetone

Concen: 89.078 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012736.D

Acq: 07 Sep 2019 22:29

Instrument :

MSVOA_W

ClientSampleId :

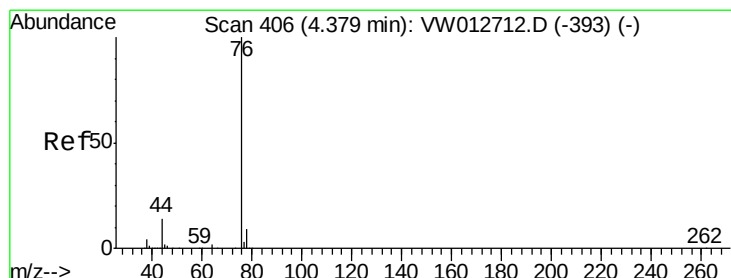
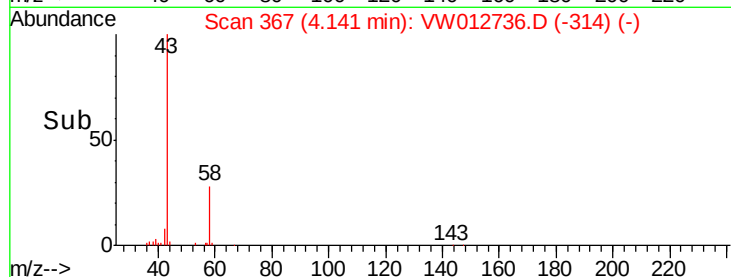
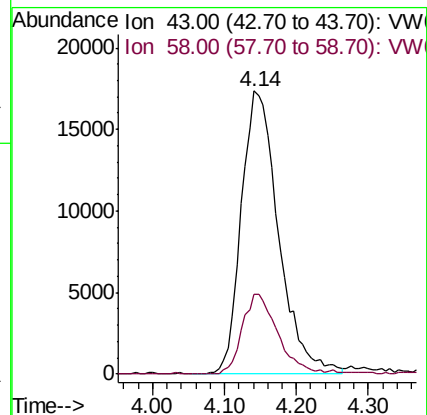
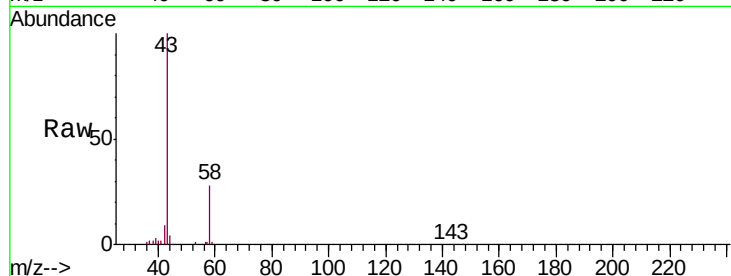
SB-3-(0-2)

Tgt Ion: 43 Resp: 62548

Ion Ratio Lower Upper

43 100

58 28.3 22.6 33.8



#17

Carbon Disulfide

Concen: 1.614 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW012736.D

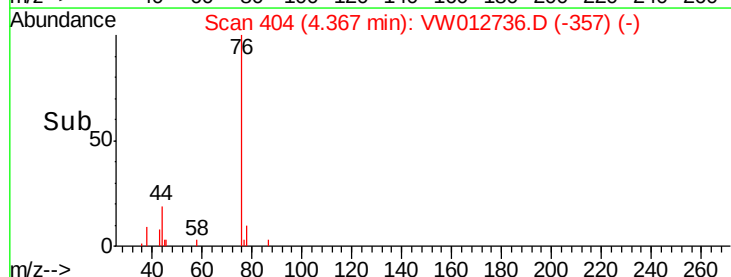
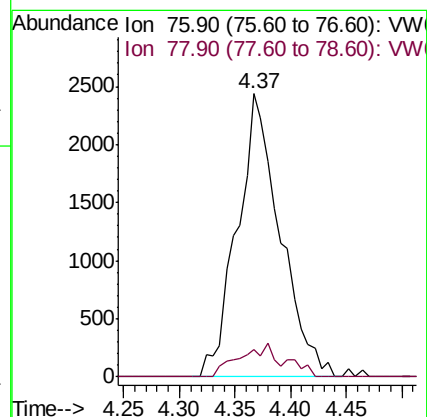
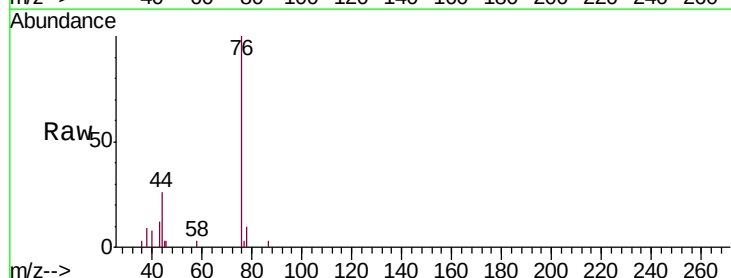
Acq: 07 Sep 2019 22:29

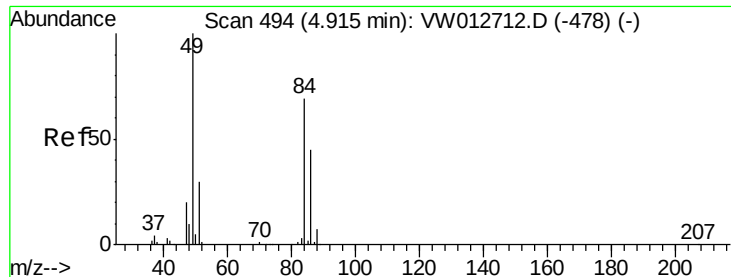
Tgt Ion: 76 Resp: 6523

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8

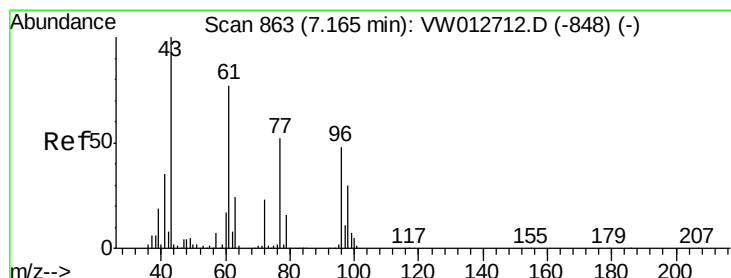
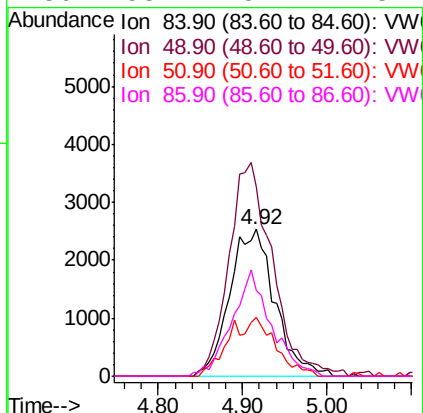
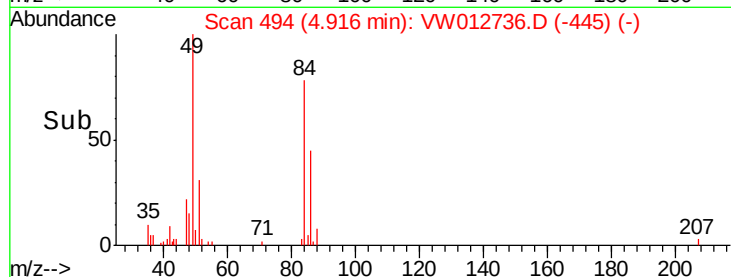
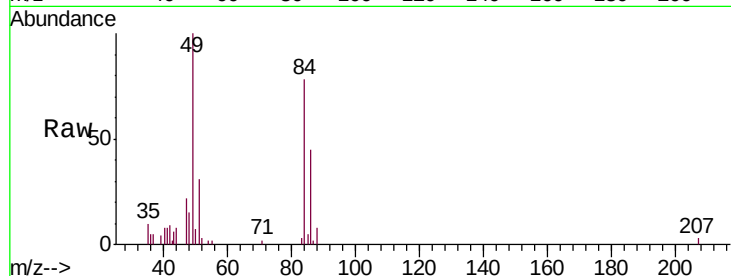




#20
Methylene Chloride
Concen: 4.209 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW012736.D
Acq: 07 Sep 2019 22:29

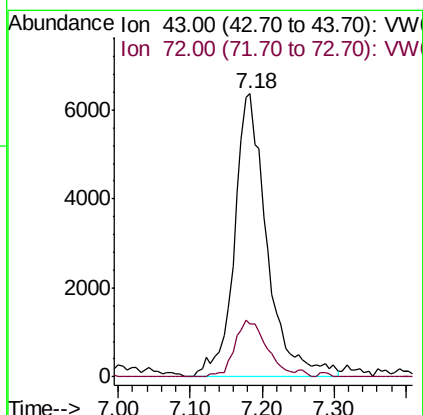
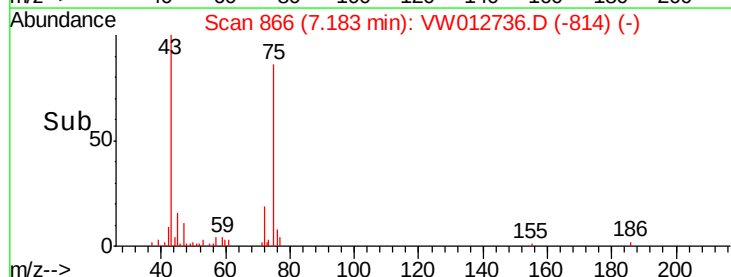
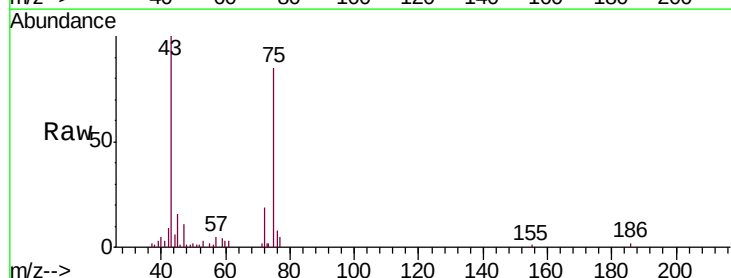
Instrument :
MSVOA_W
ClientSampled :
SB-3-(0-2)

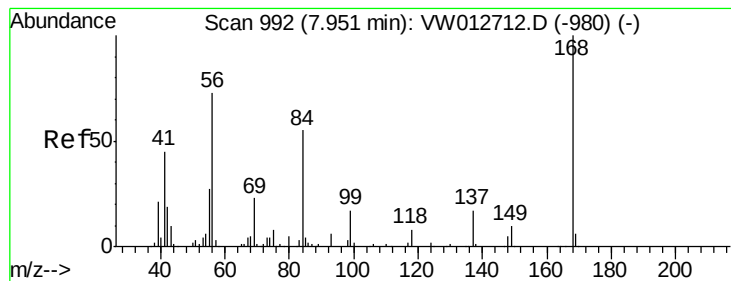
Tgt Ion:	84	Resp:	9247
Ion	Ratio	Lower	Upper
84	100		
49	128.6	115.4	173.0
51	39.8	34.9	52.3
86	58.2	52.2	78.4



#25
2-Butanone
Concen: 37.567 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.02 min
Lab File: VW012736.D
Acq: 07 Sep 2019 22:29

Tgt Ion:	43	Resp:	20073
Ion	Ratio	Lower	Upper
43	100		
72	18.9	18.0	27.0





#31

Cyclohexane

Concen: 1.487 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012736.D

Acq: 07 Sep 2019 22:29

Instrument :

MSVOA_W

ClientSampleId :

SB-3-(0-2)

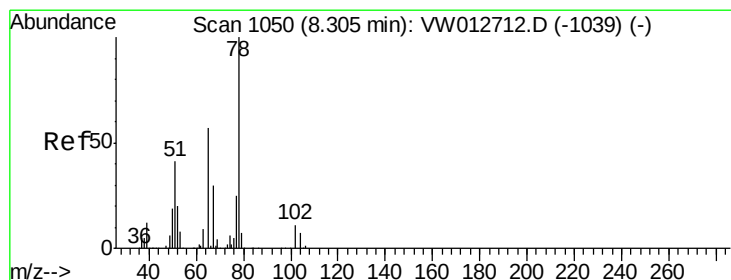
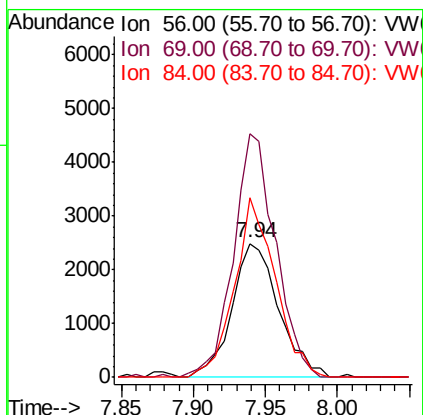
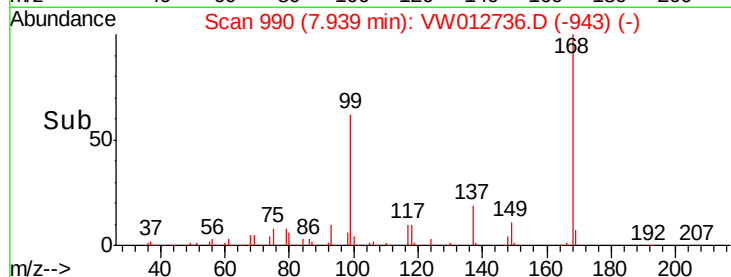
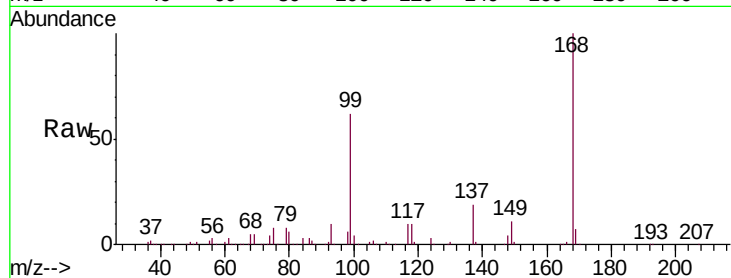
Tgt Ion: 56 Resp: 5630

Ion Ratio Lower Upper

56 100

69 182.1 25.7 38.5#

84 134.4 60.4 90.6#



#33

1,2-Dichloroethane-d4

Concen: 52.932 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012736.D

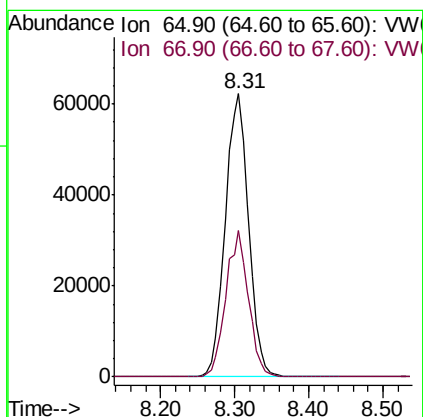
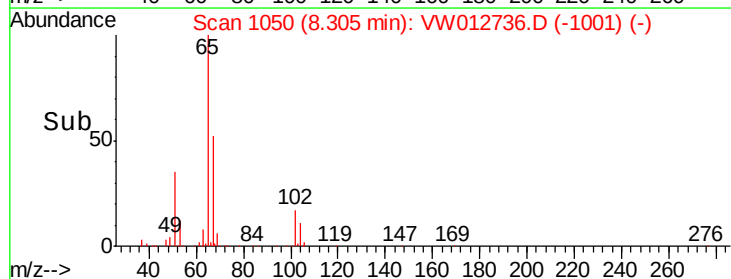
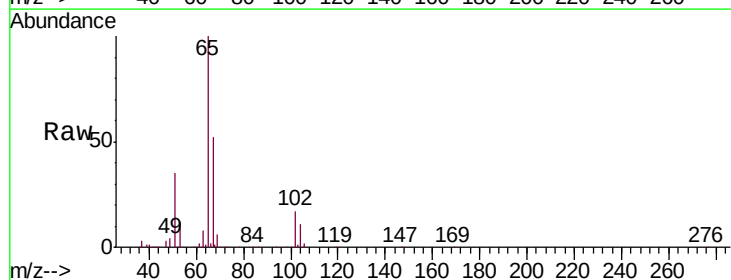
Acq: 07 Sep 2019 22:29

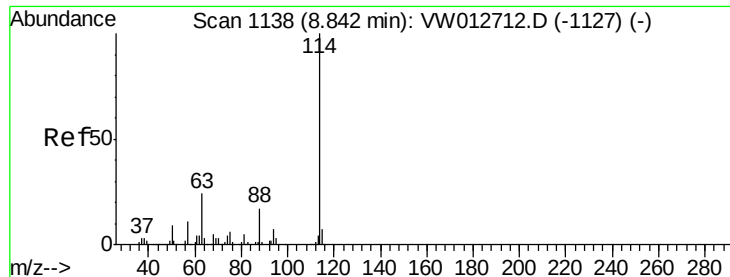
Tgt Ion: 65 Resp: 136333

Ion Ratio Lower Upper

65 100

67 49.9 0.0 101.8

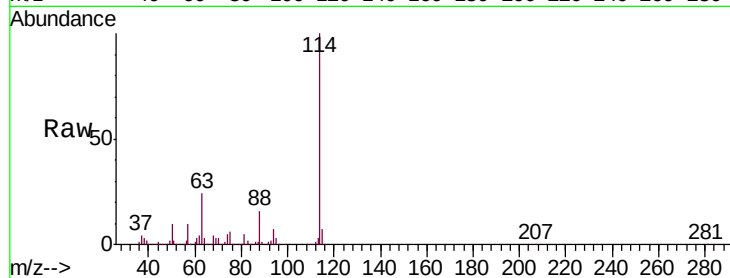




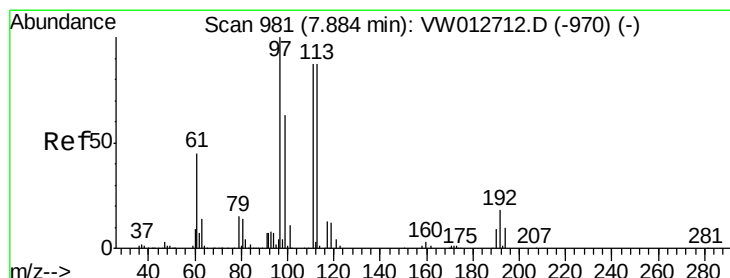
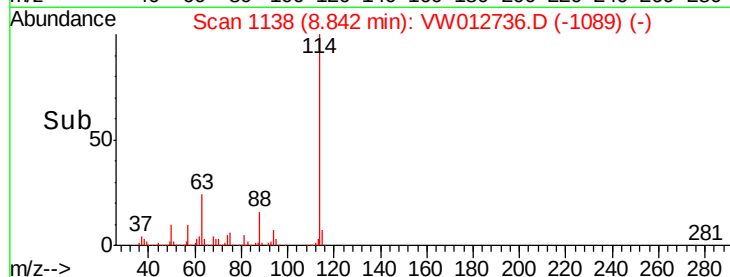
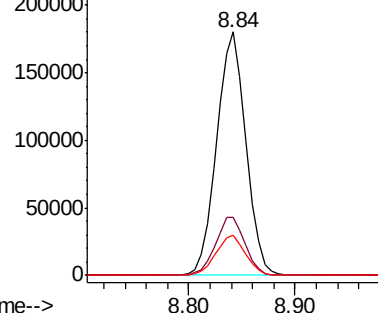
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012736.D
 Acq: 07 Sep 2019 22:29

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3-(0-2)

Tgt Ion:114 Resp: 347242
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 47.2
 88 16.5 0.0 34.0

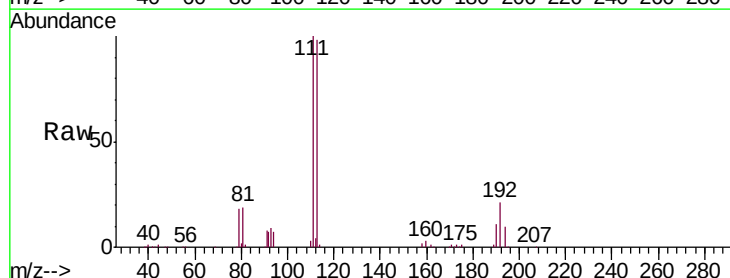


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

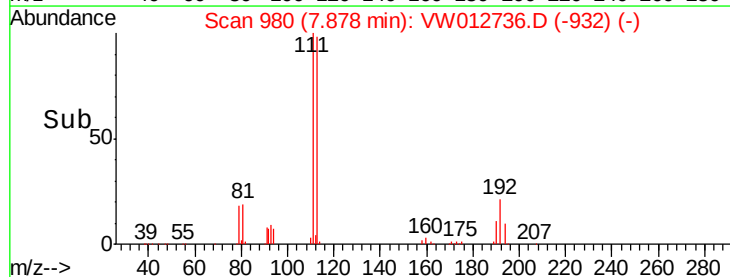
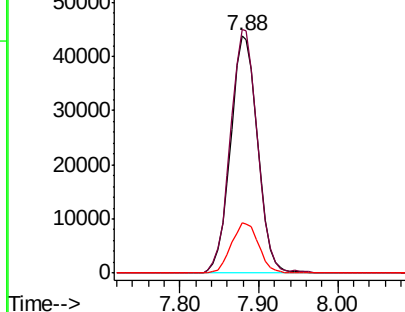


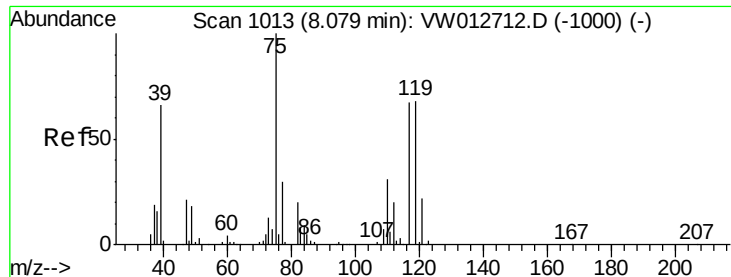
#35
 Dibromofluoromethane
 Concen: 50.705 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012736.D
 Acq: 07 Sep 2019 22:29

Tgt Ion:113 Resp: 104678
 Ion Ratio Lower Upper
 113 100
 111 102.3 80.2 120.4
 192 21.2 17.3 25.9



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

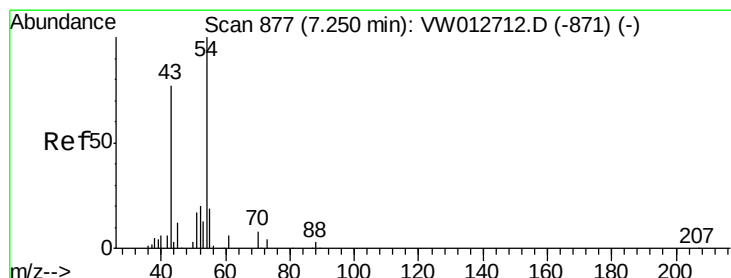
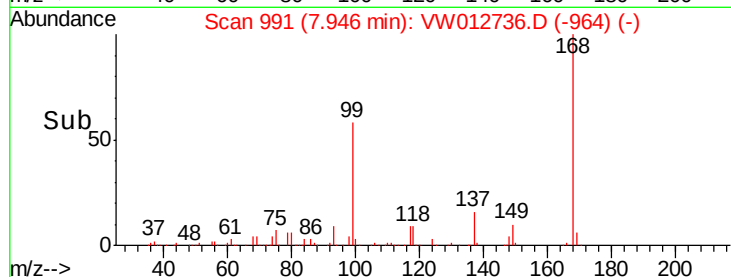
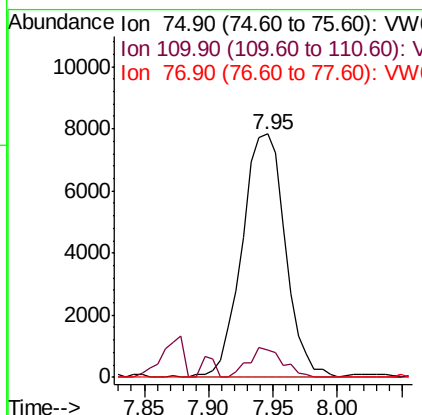
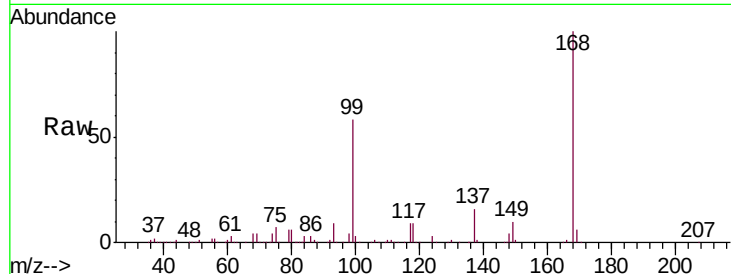




#36
 1,1-Dichloropropene
 Concen: 5.908 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012736.D
 Acq: 07 Sep 2019 22:29

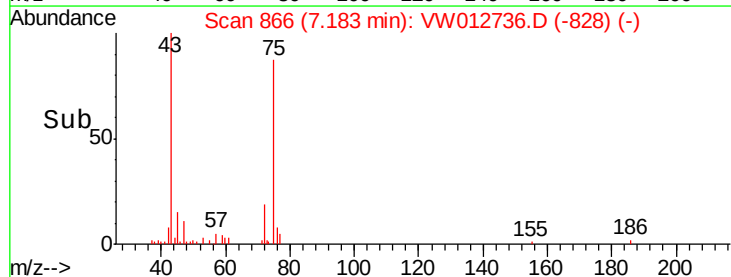
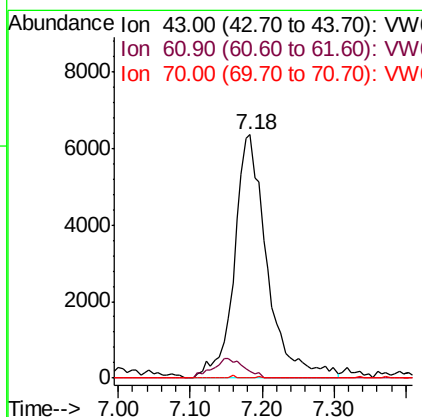
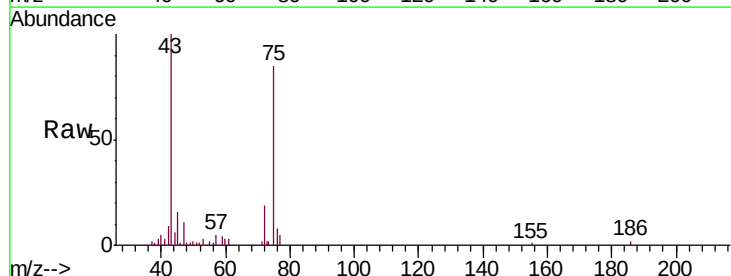
Instrument :
 MSVOA_W
 ClientSampled :
 SB-3-(0-2)

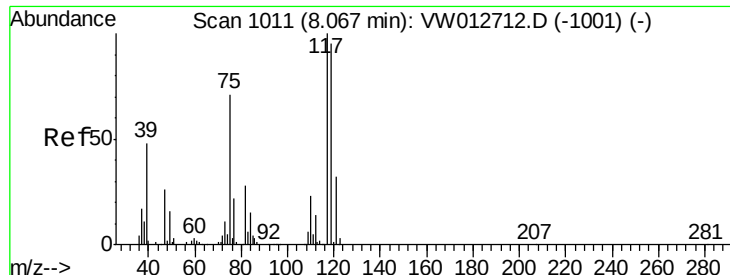
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	15.9	47.7#
77	0.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 10.206 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VW012736.D
 Acq: 07 Sep 2019 22:29

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.5	14.3#
70	0.1	7.0	10.6#





#38

Carbon Tetrachloride

Concen: 7.588 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012736.D

Acq: 07 Sep 2019 22:29

Instrument :

MSVOA_W

ClientSampleId :

SB-3-(0-2)

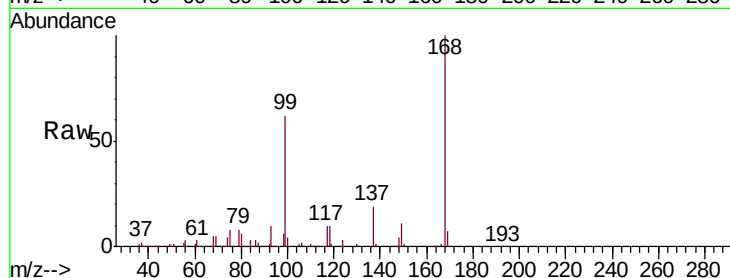
Tgt Ion: 117 Resp: 23077

Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.2#

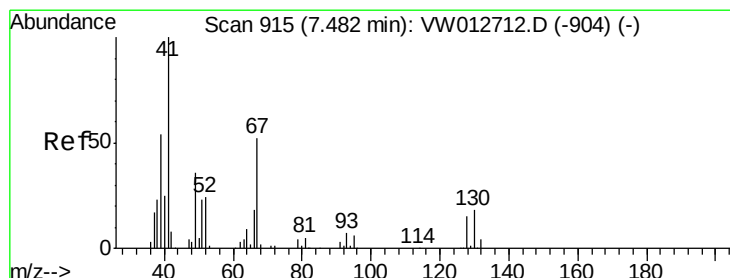
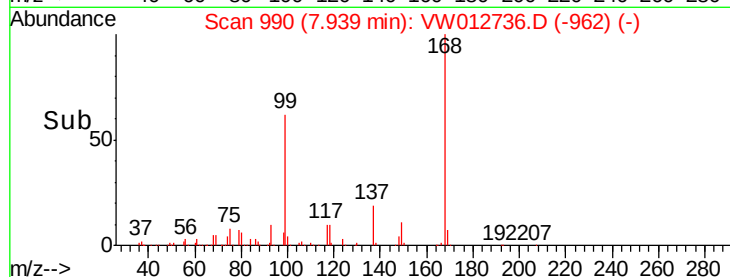
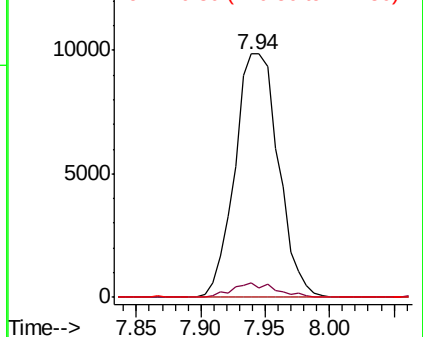
121 0.0 25.4 38.2#



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: 3.942 ug/l

RT: 7.52 min Scan# 921

Delta R.T. 0.04 min

Lab File: VW012736.D

Acq: 07 Sep 2019 22:29

Tgt Ion: 41 Resp: 150

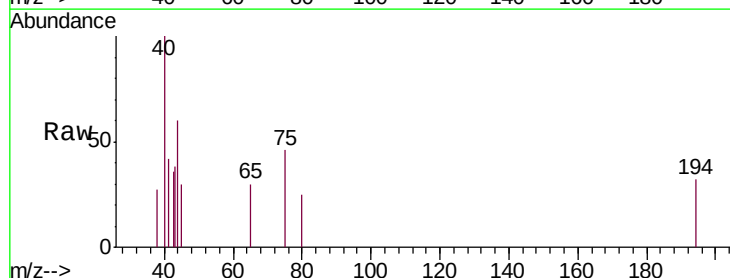
Ion Ratio Lower Upper

41 100

39 49.3 47.5 71.3

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

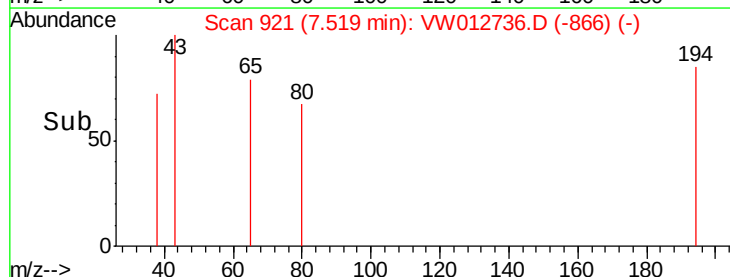
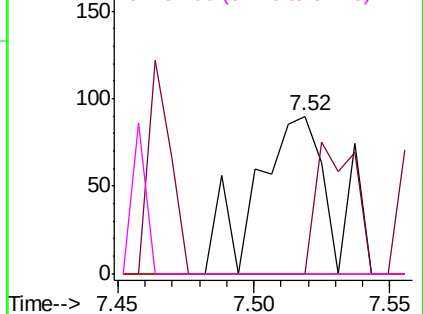


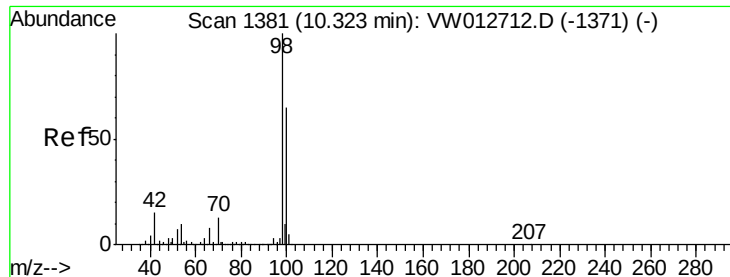
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 50.523 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012736.D

Acq: 07 Sep 2019 22:29

Instrument :

MSVOA_W

ClientSampled :

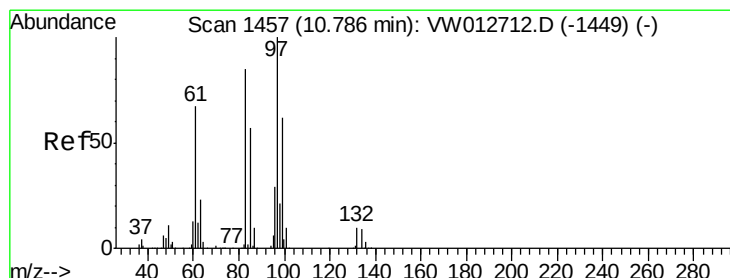
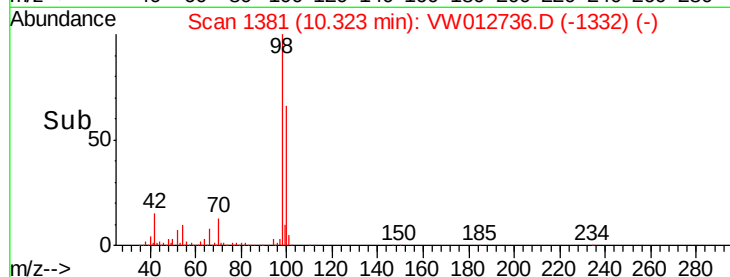
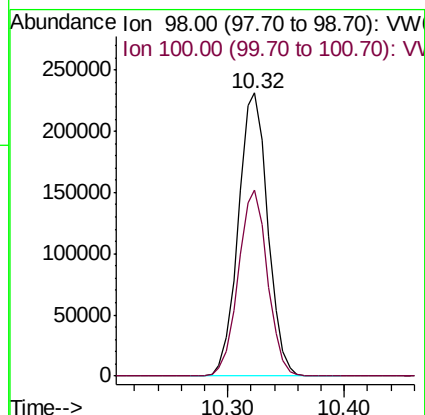
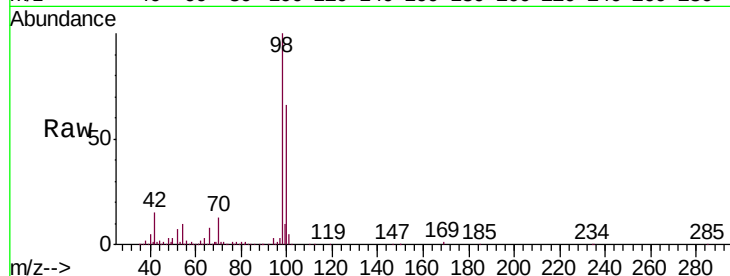
SB-3-(0-2)

Tgt Ion: 98 Resp: 408631

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.4



#55

1,1,2-Trichloroethane

Concen: 1.428 ug/l

RT: 10.81 min Scan# 1461

Delta R.T. 0.02 min

Lab File: VW012736.D

Acq: 07 Sep 2019 22:29

Tgt Ion: 97 Resp: 2404

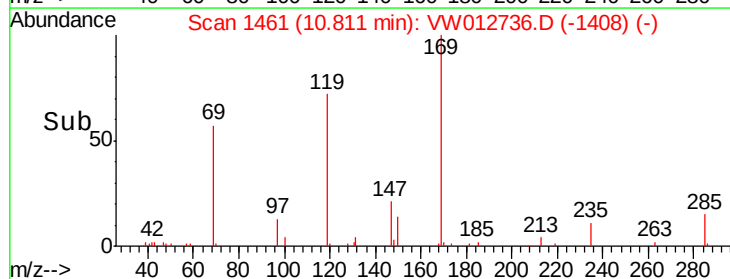
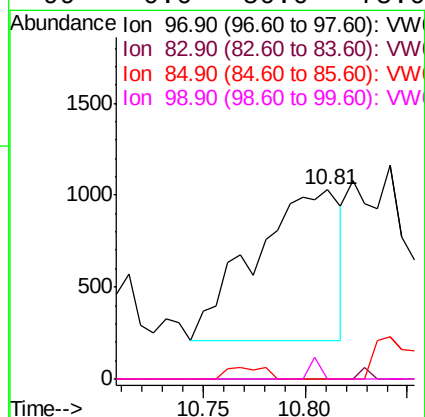
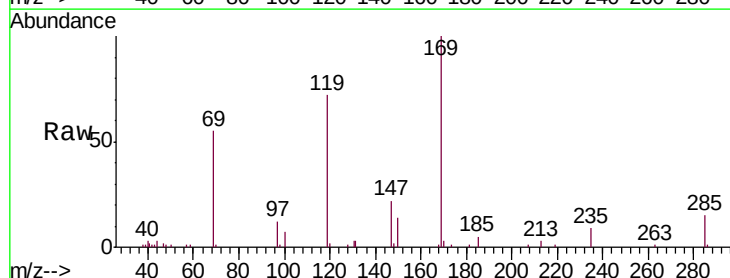
Ion Ratio Lower Upper

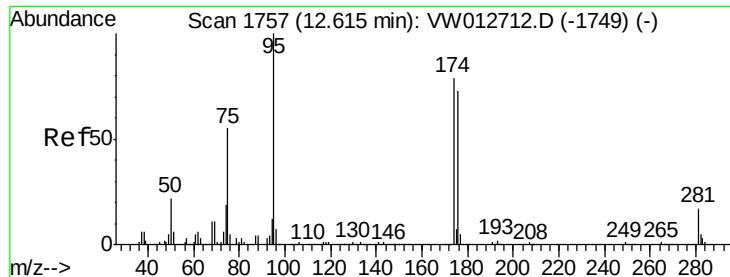
97 100

83 0.0 68.1 102.1#

85 0.0 45.3 67.9#

99 0.0 50.0 75.0#





#62

4-Bromofluorobenzene

Concen: 40.953 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012736.D

Acq: 07 Sep 2019 22:29

Instrument :

MSVOA_W

ClientSampleId :

SB-3-(0-2)

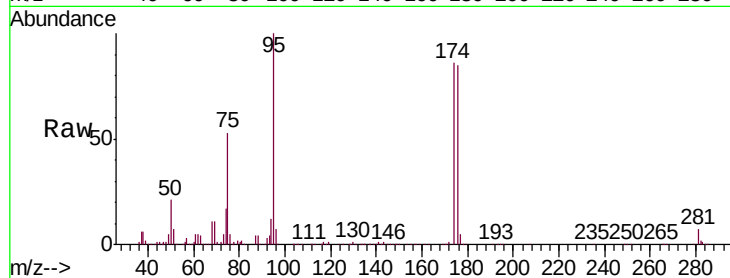
Tgt Ion: 95 Resp: 120246

Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.0

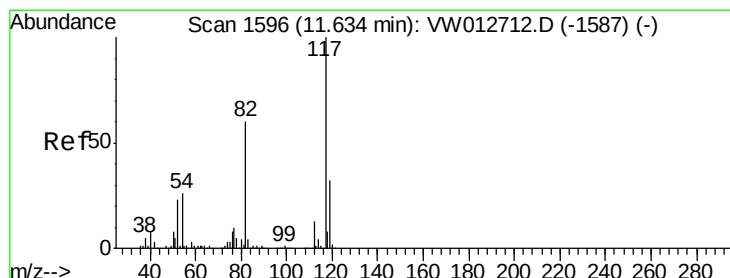
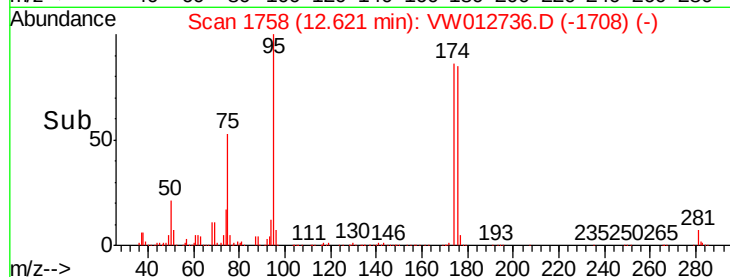
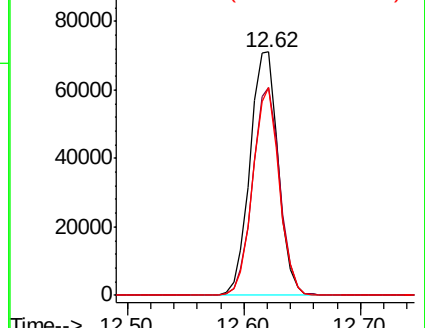
176 80.1 0.0 156.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012736.D

Acq: 07 Sep 2019 22:29

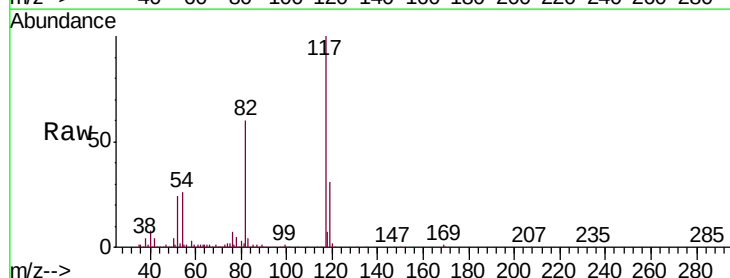
Tgt Ion: 117 Resp: 284640

Ion Ratio Lower Upper

117 100

82 59.6 48.2 72.4

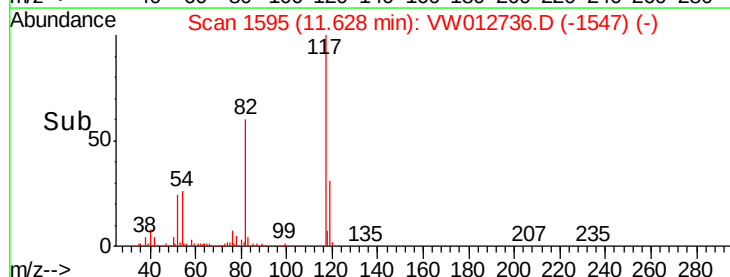
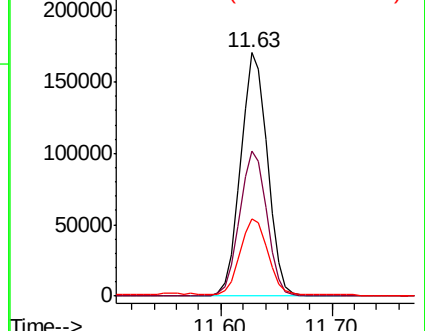
119 31.0 25.8 38.6

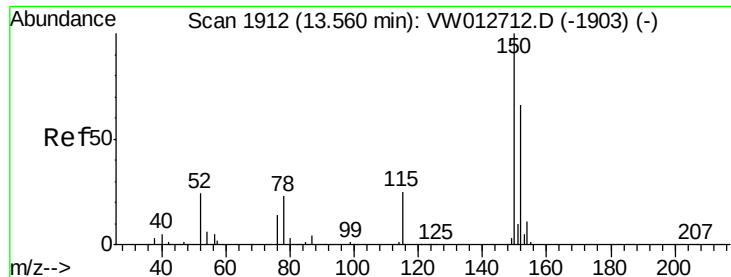


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012736.D

Acq: 07 Sep 2019 22:29

Instrument :

MSVOA_W

ClientSampleId :

SB-3-(0-2)

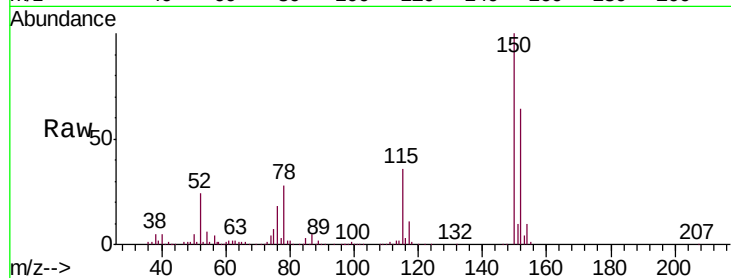
Tgt Ion:152 Resp: 105068

Ion Ratio Lower Upper

152 100

115 59.6 30.0 90.1

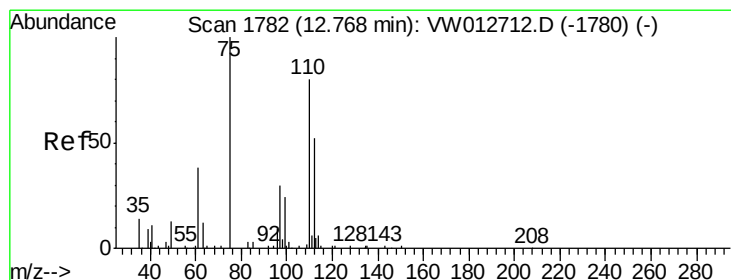
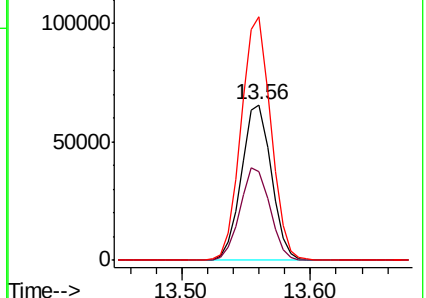
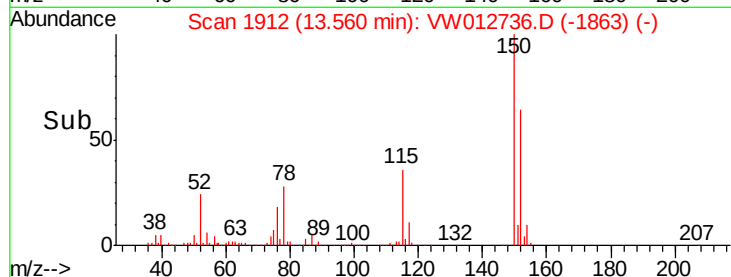
150 155.7 0.0 349.0



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: 61.884 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012736.D

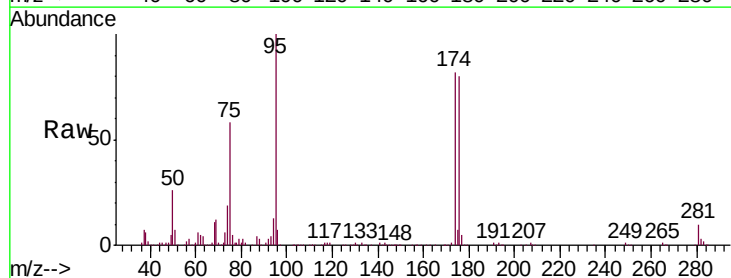
Acq: 07 Sep 2019 22:29

Tgt Ion: 75 Resp: 66486

Ion Ratio Lower Upper

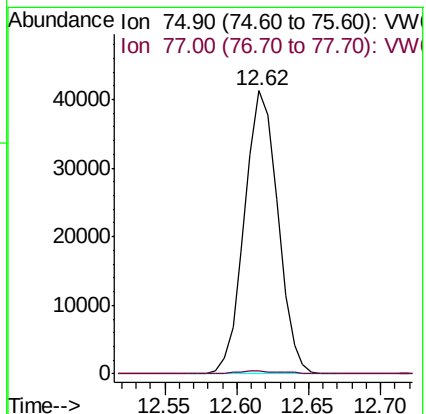
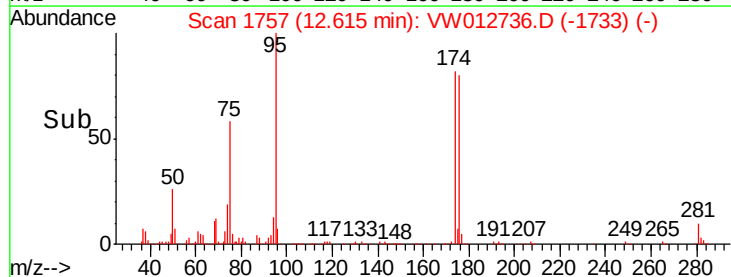
75 100

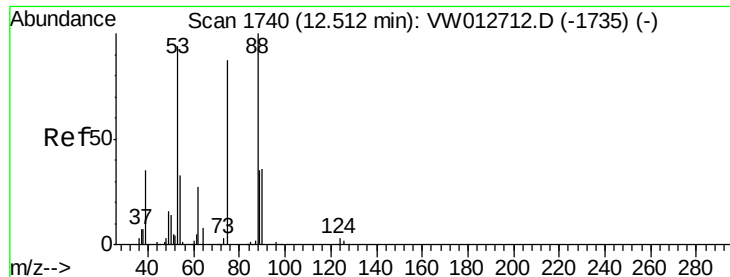
77 1.3 0.0 0.0#



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: 130.889 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012736.D

Acq: 07 Sep 2019 22:29

Instrument :

MSVOA_W

ClientSampled :

SB-3-(0-2)

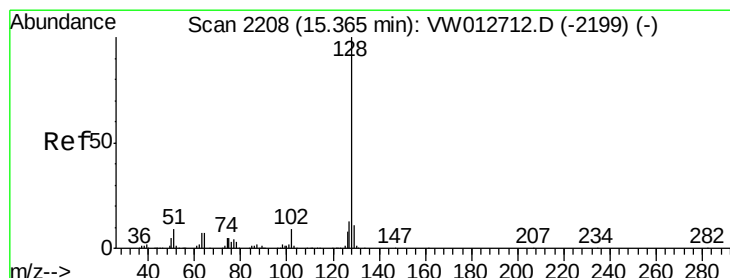
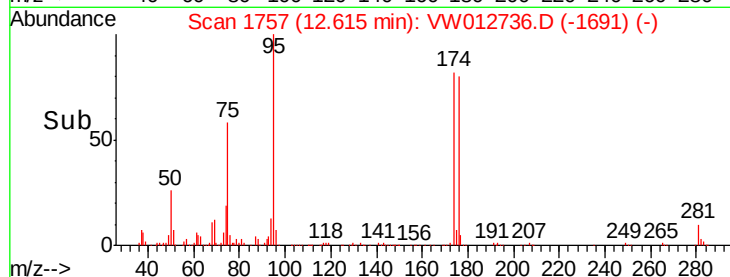
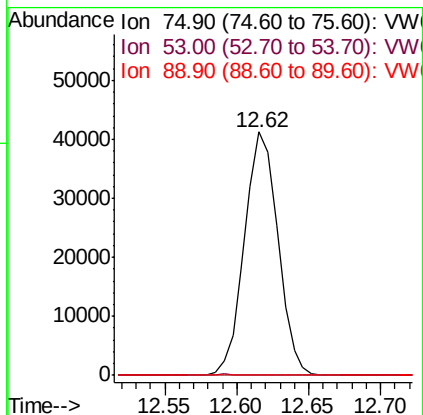
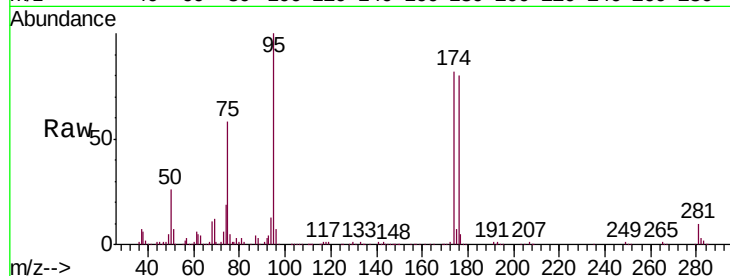
Tgt Ion: 75 Resp: 66486

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.2 35.5 53.3#



#95

Naphthalene

Concen: 4.475 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012736.D

Acq: 07 Sep 2019 22:29

Tgt Ion: 128 Resp: 175

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#

