

Data File : VW012747.D
Acq On : 08 Sep 2019 04:58
Operator : SY/VA
Sample : K4554-46
Misc : 5.05G/5ML/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-2-(13-15)

Quant Time: Sep 08 05:59:56 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	215174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	360094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	289773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	100644	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134342	55.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.76%	
35) Dibromofluoromethane	7.88	113	103994	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
50) Toluene-d8	10.32	98	433929	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
62) 4-Bromofluorobenzene	12.62	95	125394	41.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.36%	

Target Compounds

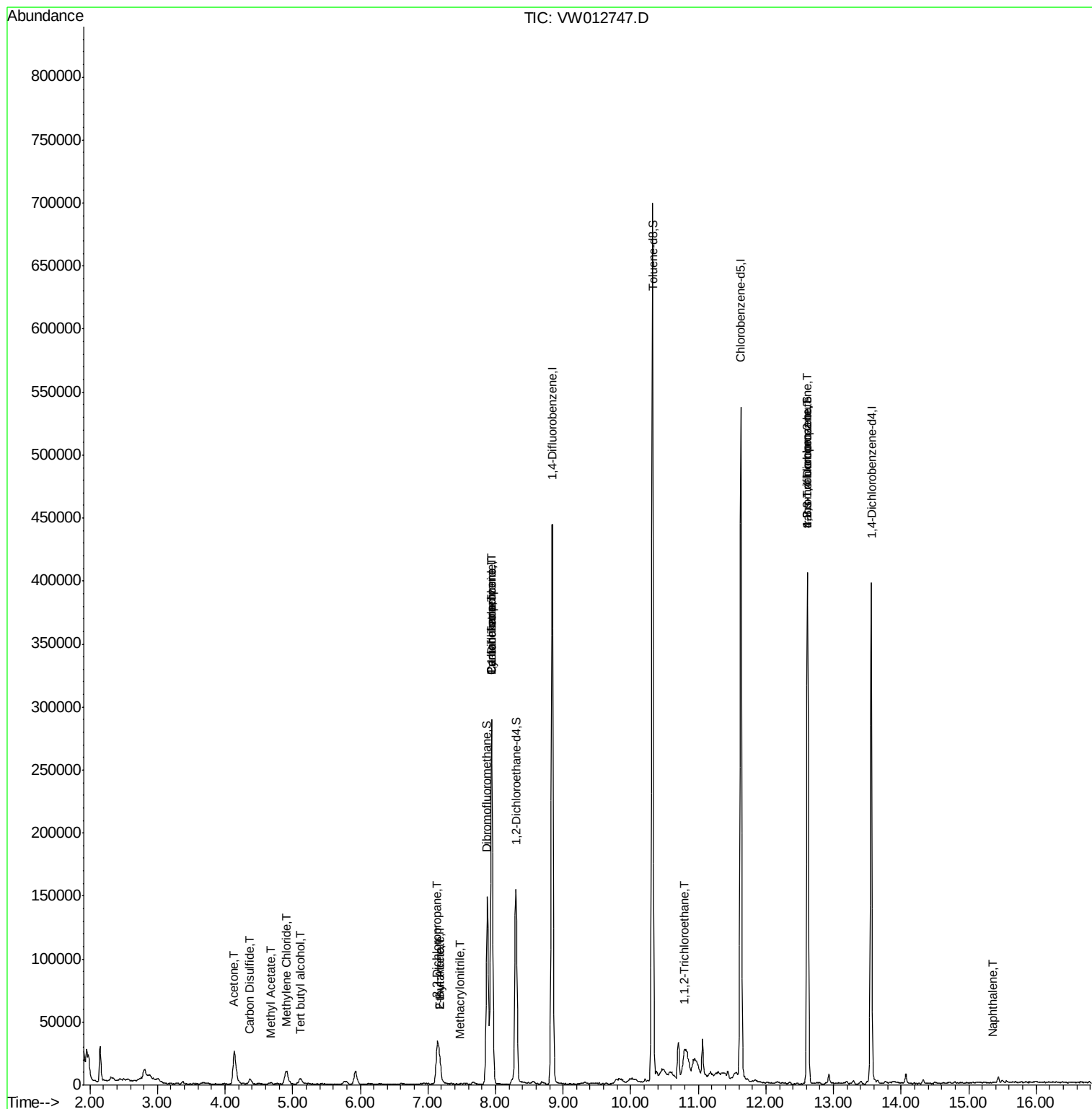
						Qvalue
11) Tert butyl alcohol	5.12	59	4280	23.268	ug/l #	72
16) Acetone	4.14	43	54076	82.504	ug/l	96
17) Carbon Disulfide	4.37	76	8462	2.243	ug/l	99
18) Methyl Acetate	4.67	43	2020	1.314	ug/l #	86
20) Methylene Chloride	4.92	84	7704	3.757	ug/l	91
25) 2-Butanone	7.18	43	23085	41.718	ug/l	96
26) 2,2-Dichloropropane	7.13	77	2562	1.033	ug/l #	55
31) Cyclohexane	7.95	56	4732	1.339	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18114	5.661	ug/l #	52
37) Ethyl Acetate	7.18	43	23085	11.318	ug/l #	72
38) Carbon Tetrachloride	7.95	117	21705	6.882	ug/l #	16
41) Methacrylonitrile	7.48	41	50	3.872	ug/l #	27
55) 1,1,2-Trichloroethane	10.79	97	3190	1.828	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	68344	66.410	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	68344	140.461	ug/l #	7
95) Naphthalene	15.36	128	394	4.524	ug/l #	77

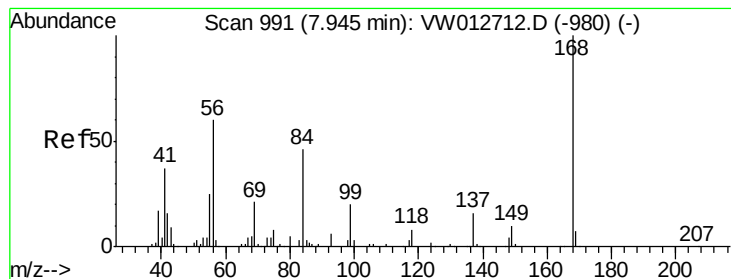
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012747.D

Acq: 08 Sep 2019 04:58

Instrument :

MSVOA_W

ClientSampled :

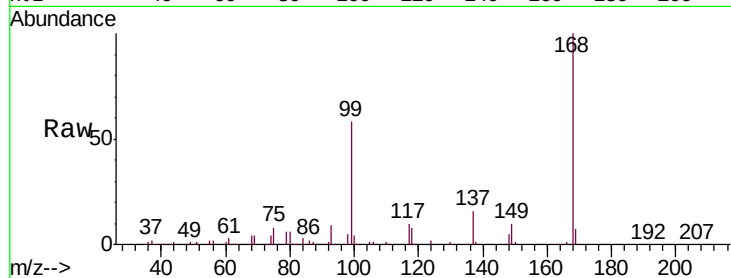
SB-2-(13-15)

Tgt Ion:168 Resp: 215174

Ion Ratio Lower Upper

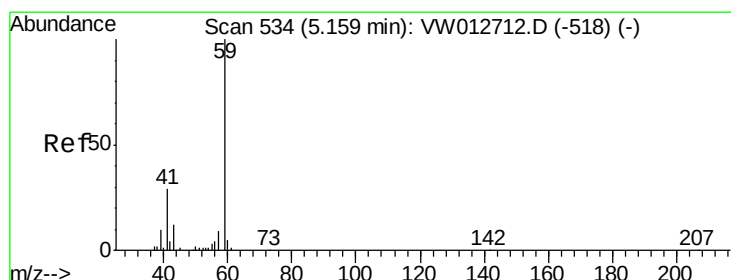
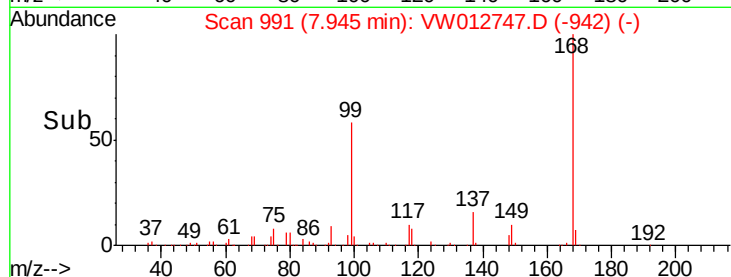
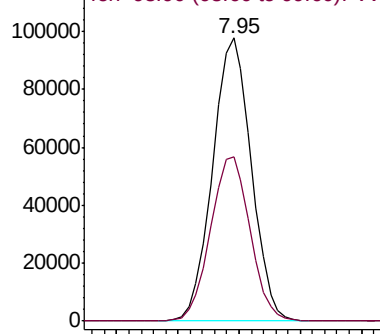
168 100

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



#11

Tert butyl alcohol

Concen: 23.268 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW012747.D

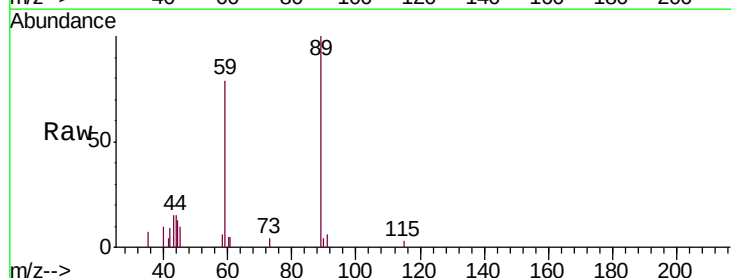
Acq: 08 Sep 2019 04:58

Tgt Ion: 59 Resp: 4280

Ion Ratio Lower Upper

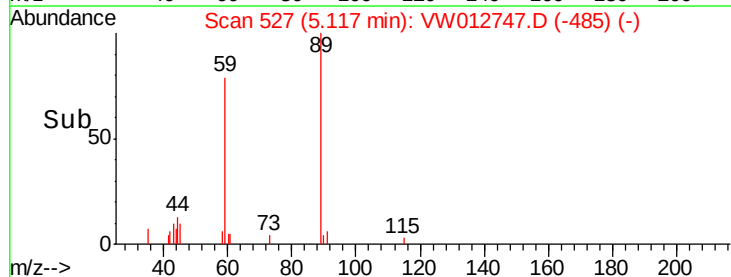
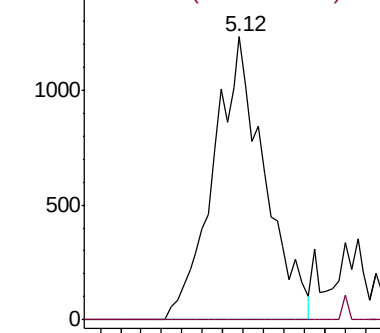
59 100

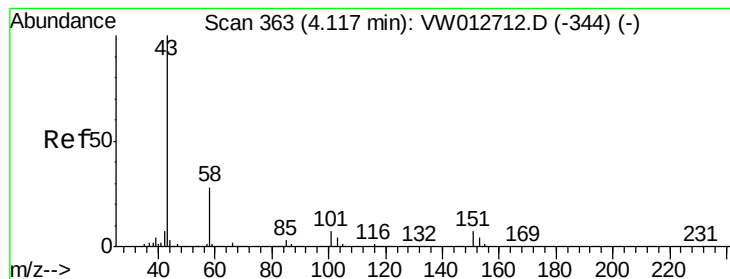
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 82.504 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012747.D

Acq: 08 Sep 2019 04:58

Instrument :

MSVOA_W

ClientSampleId :

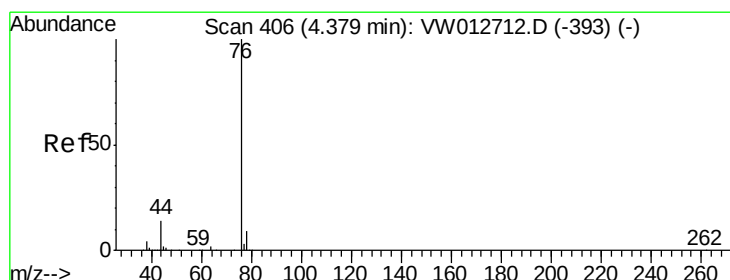
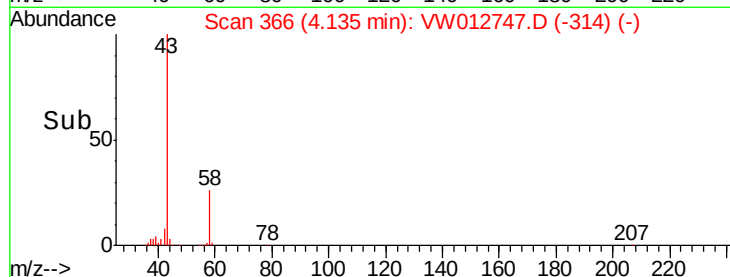
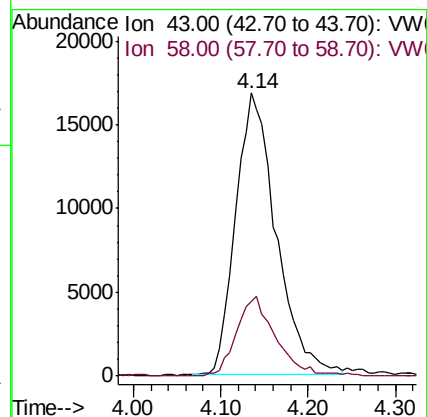
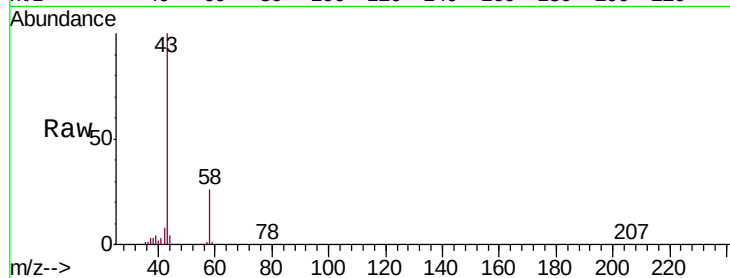
SB-2-(13-15)

Tgt Ion: 43 Resp: 54076

Ion Ratio Lower Upper

43 100

58 26.2 22.6 33.8



#17

Carbon Disulfide

Concen: 2.243 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW012747.D

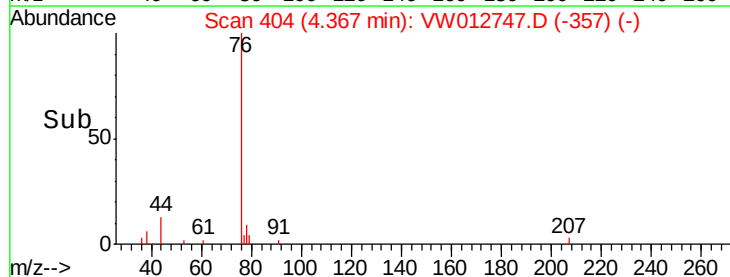
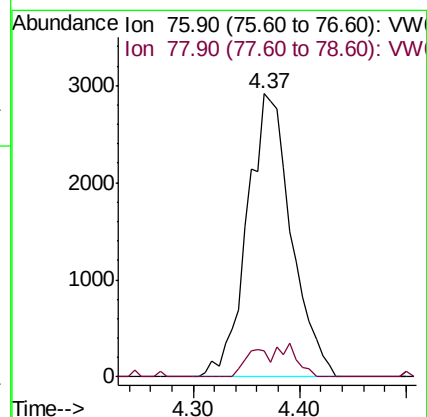
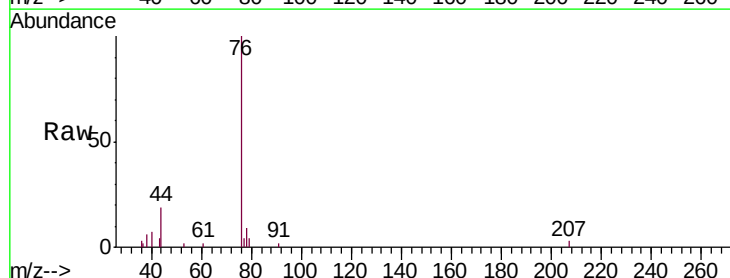
Acq: 08 Sep 2019 04:58

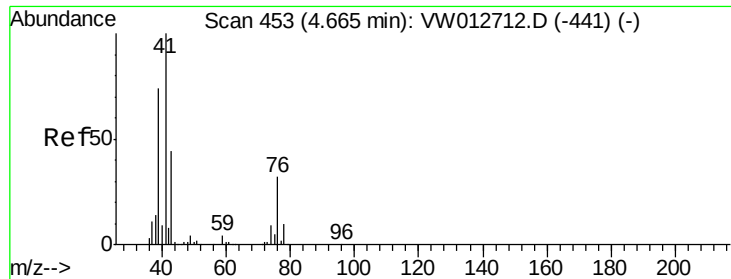
Tgt Ion: 76 Resp: 8462

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

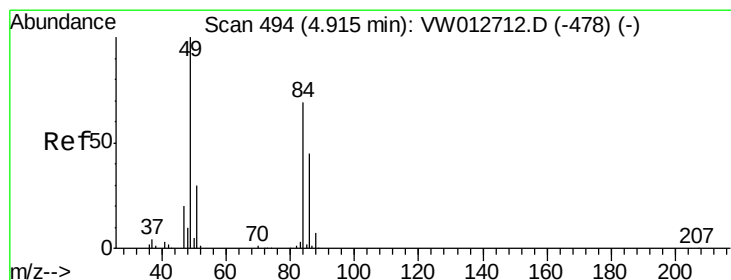
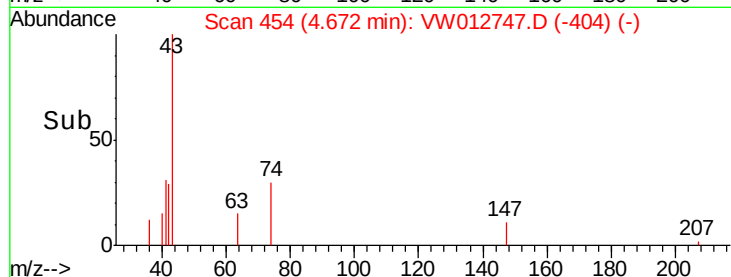
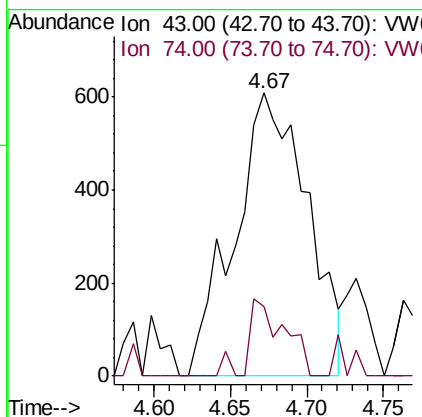
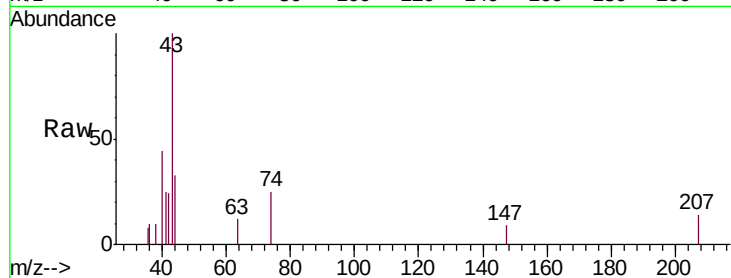




#18
Methyl Acetate
Concen: 1.314 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012747.D
Acq: 08 Sep 2019 04:58

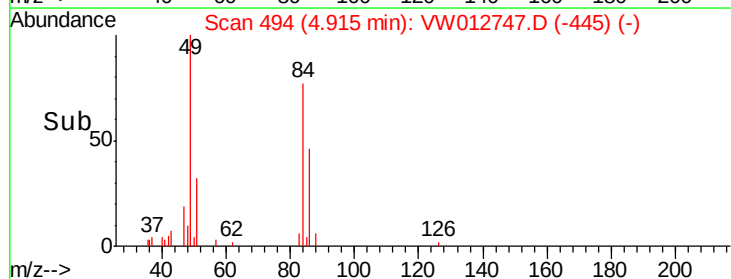
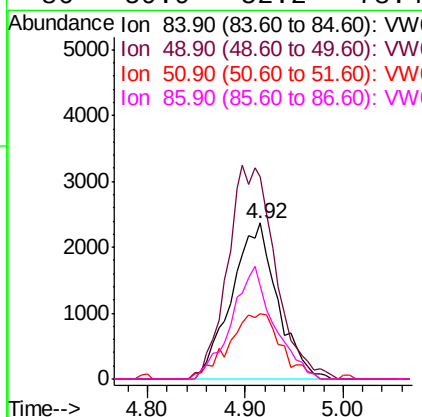
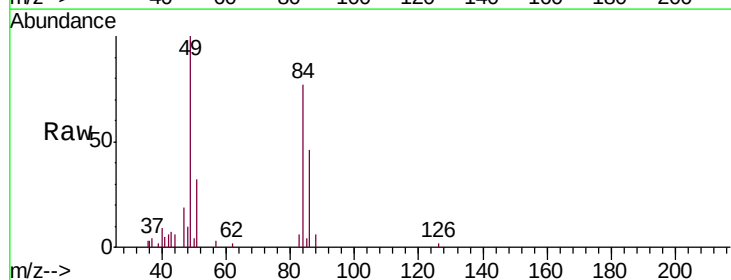
Instrument :
MSVOA_W
ClientSampleId :
SB-2-(13-15)

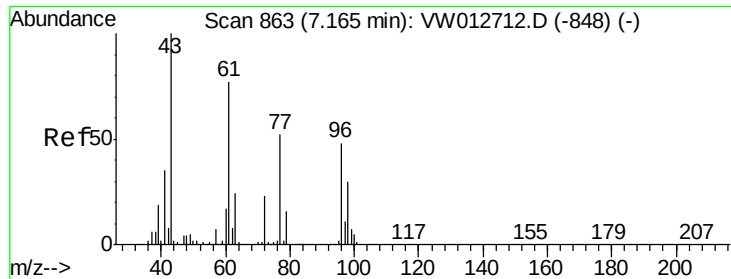
Tgt Ion: 43 Resp: 2020
Ion Ratio Lower Upper
43 100
74 13.4 15.8 23.6#



#20
Methylene Chloride
Concen: 3.757 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW012747.D
Acq: 08 Sep 2019 04:58

Tgt Ion: 84 Resp: 7704
Ion Ratio Lower Upper
84 100
49 129.4 115.4 173.0
51 41.9 34.9 52.3
86 59.9 52.2 78.4





#25

2-Butanone

Concen: 41.718 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012747.D

Acq: 08 Sep 2019 04:58

Instrument :

MSVOA_W

ClientSampled :

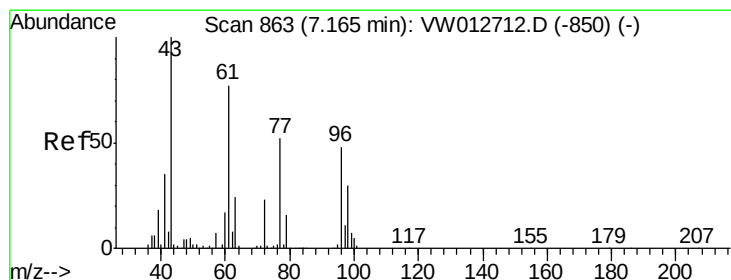
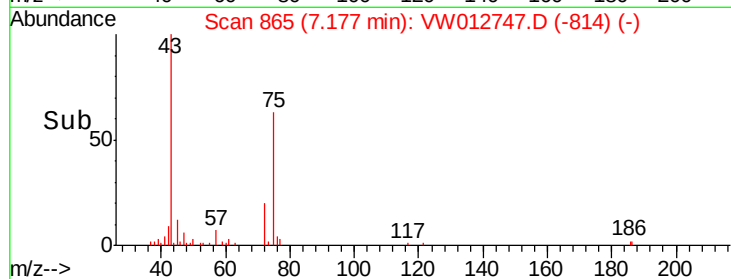
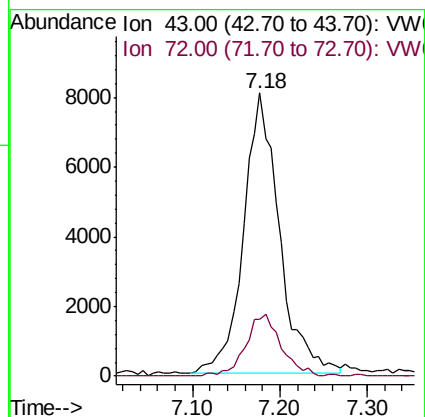
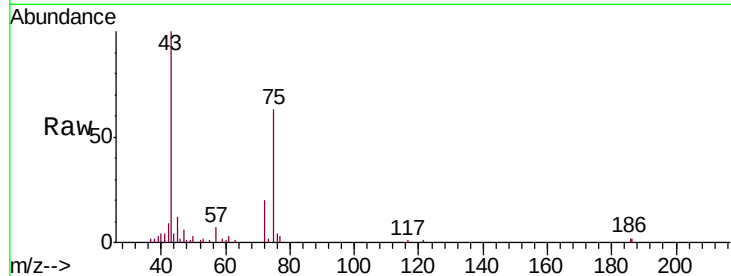
SB-2-(13-15)

Tgt Ion: 43 Resp: 23085

Ion Ratio Lower Upper

43 100

72 20.4 18.0 27.0



#26

2,2-Dichloropropane

Concen: 1.033 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW012747.D

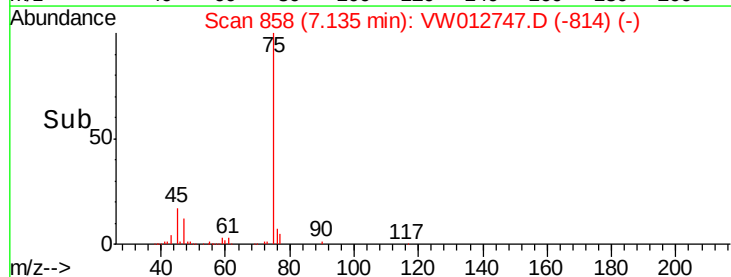
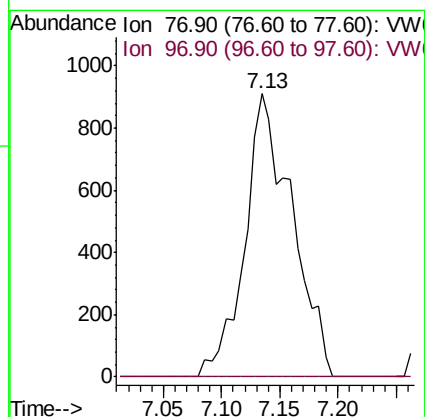
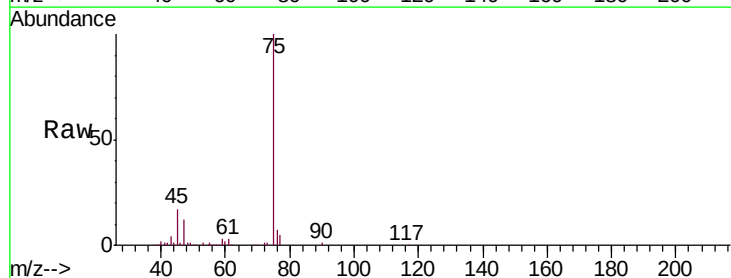
Acq: 08 Sep 2019 04:58

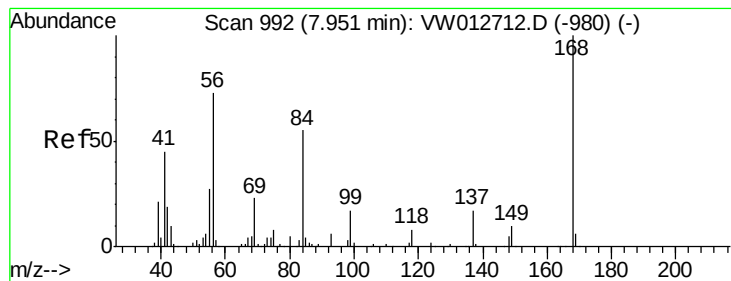
Tgt Ion: 77 Resp: 2562

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#





#31

Cyclohexane

Concen: 1.339 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012747.D

Acq: 08 Sep 2019 04:58

Instrument :

MSVOA_W

ClientSampleId :

SB-2-(13-15)

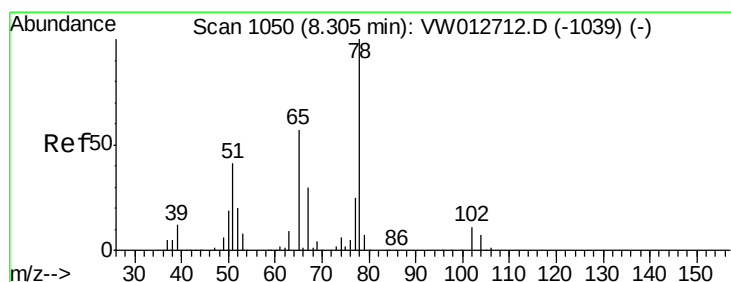
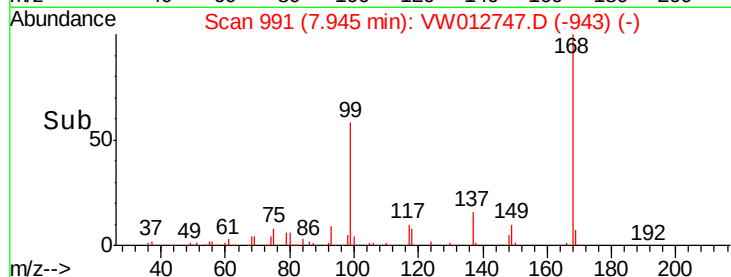
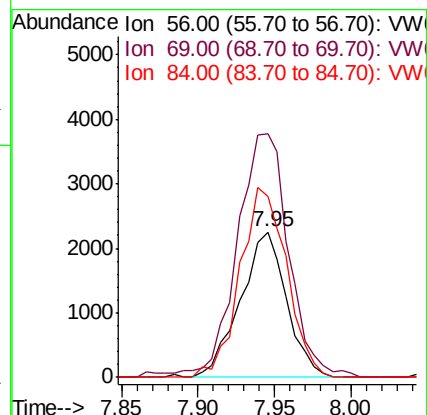
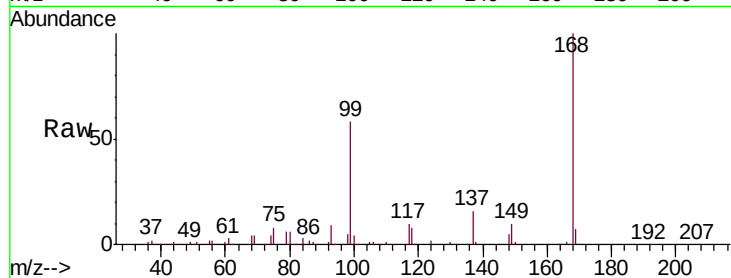
Tgt Ion: 56 Resp: 4732

Ion Ratio Lower Upper

56 100

69 163.0 25.7 38.5#

84 124.6 60.4 90.6#



#33

1,2-Dichloroethane-d4

Concen: 55.878 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012747.D

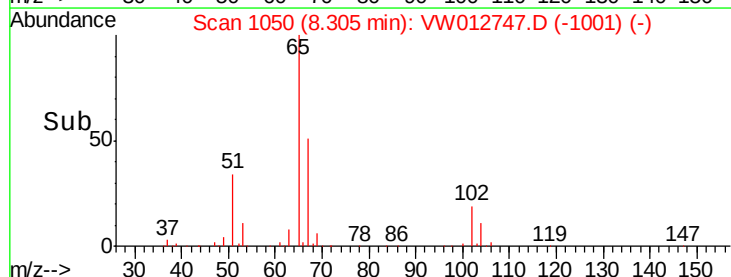
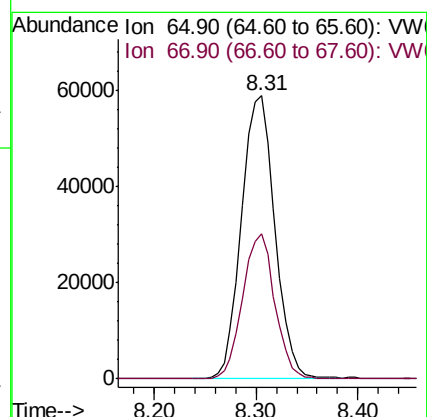
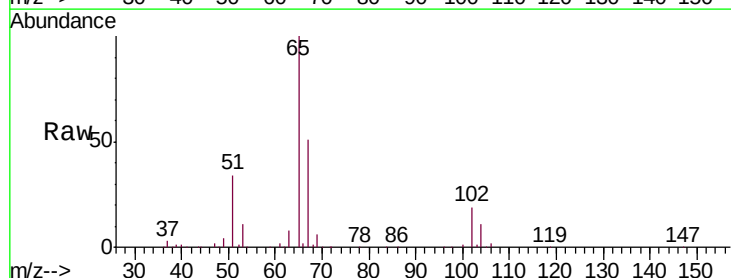
Acq: 08 Sep 2019 04:58

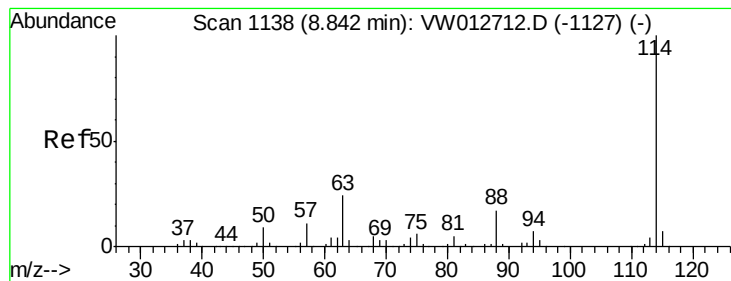
Tgt Ion: 65 Resp: 134342

Ion Ratio Lower Upper

65 100

67 49.5 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: VW012747.D

Acq: 08 Sep 2019 04:58

Instrument :

MSVOA_W

ClientSampleId :

SB-2-(13-15)

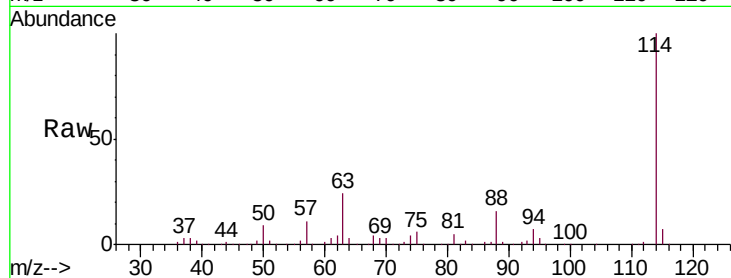
Tgt Ion:114 Resp: 360094

Ion Ratio Lower Upper

114 100

63 23.8 0.0 47.2

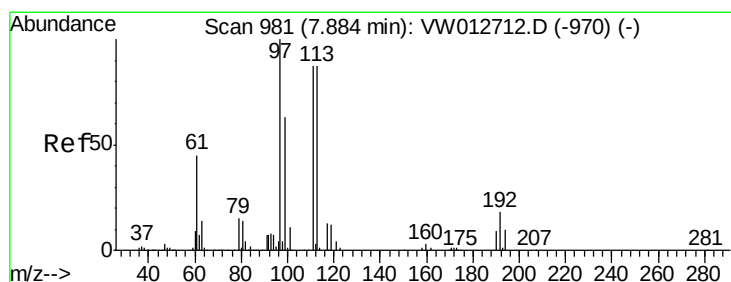
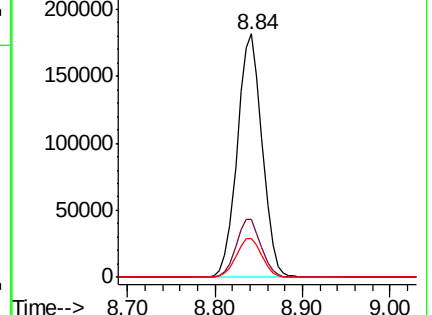
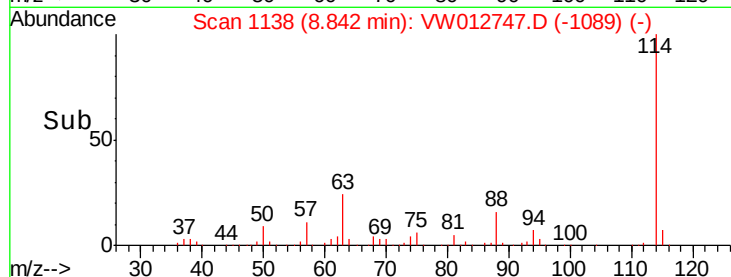
88 16.2 0.0 34.0



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: 48.576 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012747.D

Acq: 08 Sep 2019 04:58

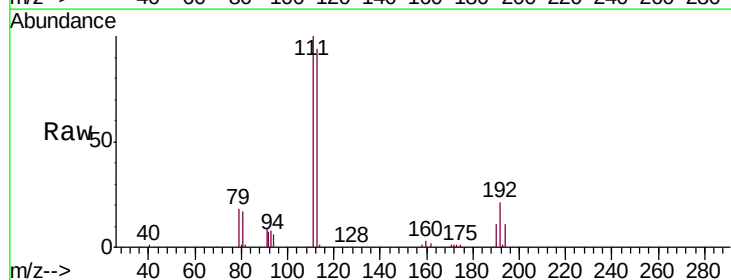
Tgt Ion:113 Resp: 103994

Ion Ratio Lower Upper

113 100

111 102.3 80.2 120.4

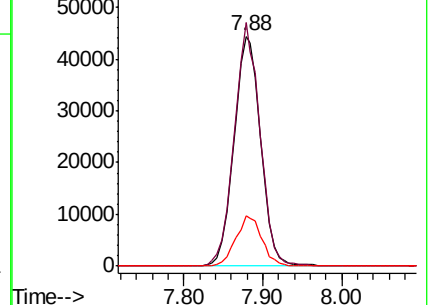
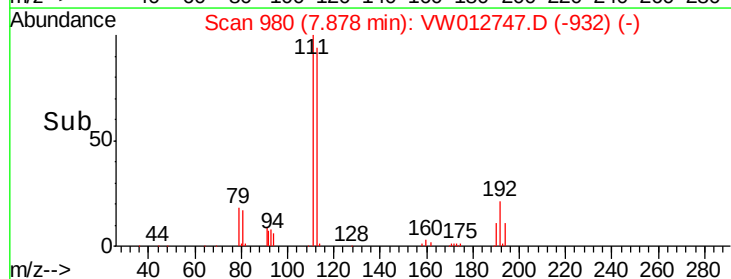
192 21.4 17.3 25.9

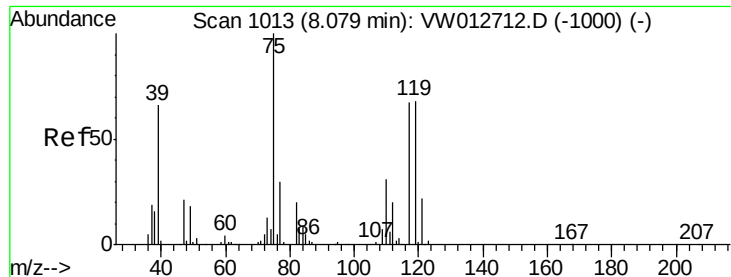


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.661 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012747.D

Acq: 08 Sep 2019 04:58

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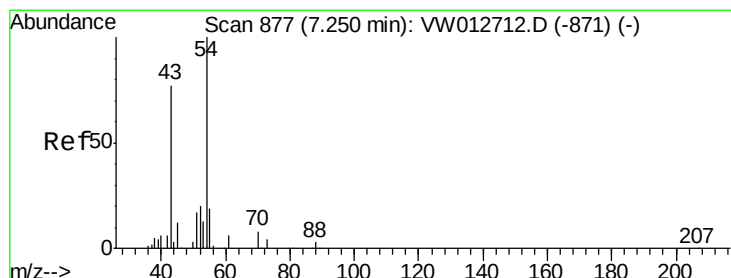
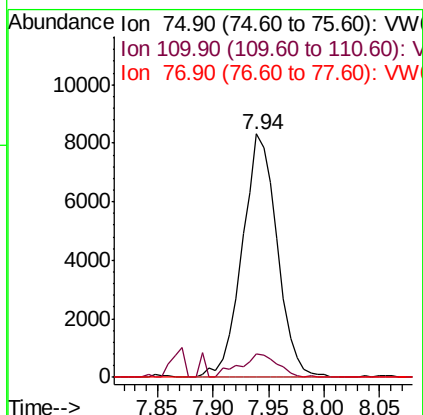
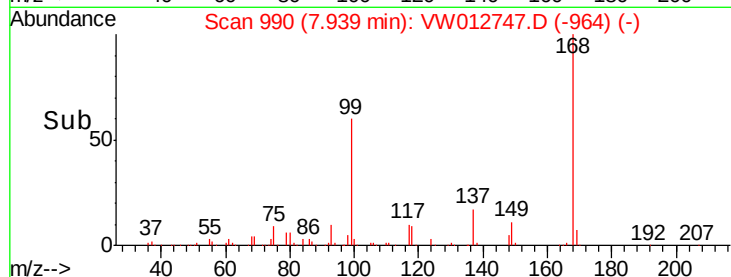
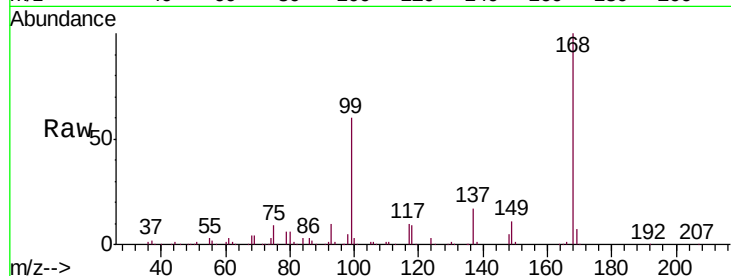
Tgt Ion: 75 Resp: 18114

Ion Ratio Lower Upper

75 100

110 10.3 15.9 47.7#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 11.318 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.07 min

Lab File: VW012747.D

Acq: 08 Sep 2019 04:58

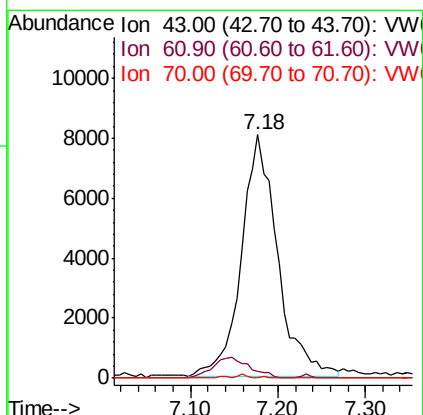
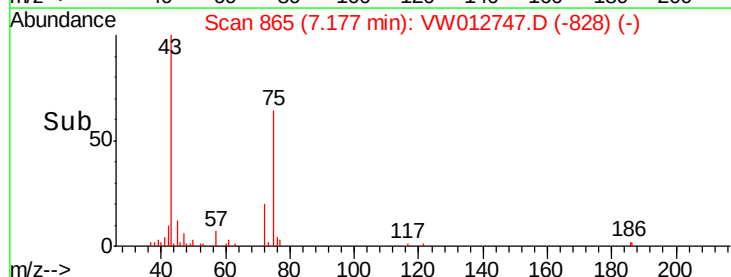
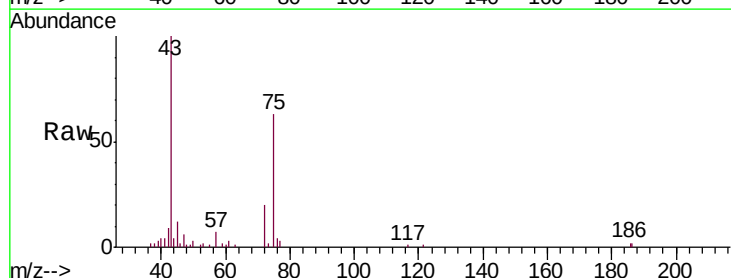
Tgt Ion: 43 Resp: 23085

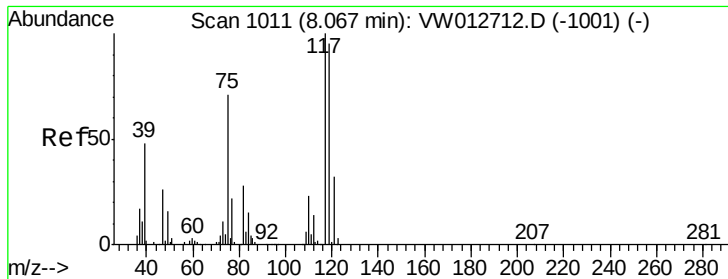
Ion Ratio Lower Upper

43 100

61 0.0 9.5 14.3#

70 0.1 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 6.882 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012747.D

Acq: 08 Sep 2019 04:58

Instrument :

MSVOA_W

ClientSampleId :

SB-2-(13-15)

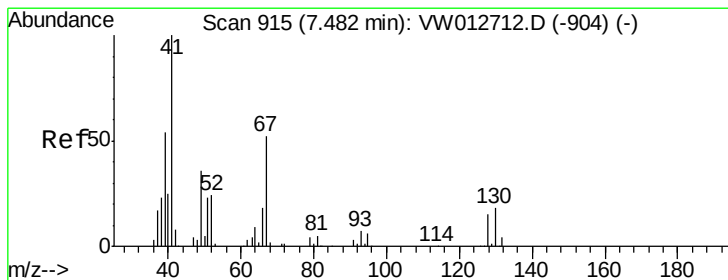
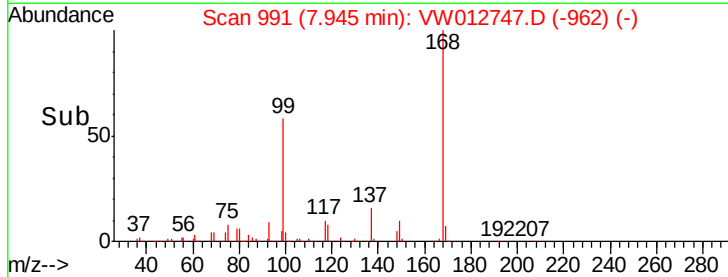
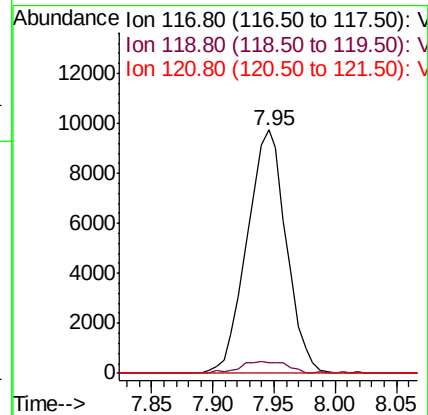
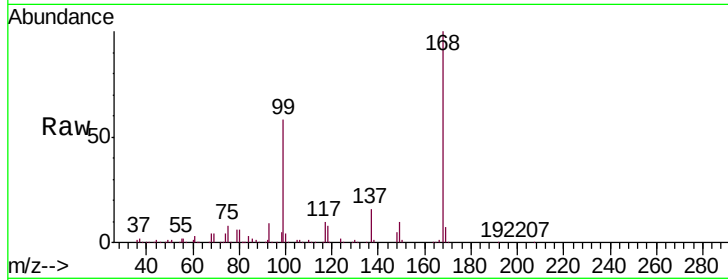
Tgt Ion:117 Resp: 21705

Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.2#

121 0.0 25.4 38.2#



#41

Methacrylonitrile

Concen: 3.872 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW012747.D

Acq: 08 Sep 2019 04:58

Tgt Ion: 41 Resp: 50

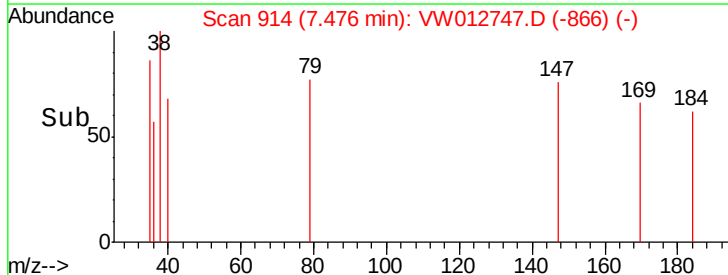
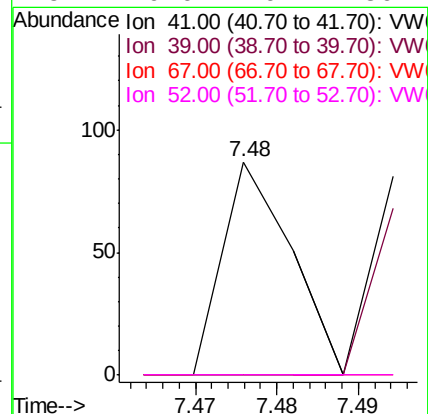
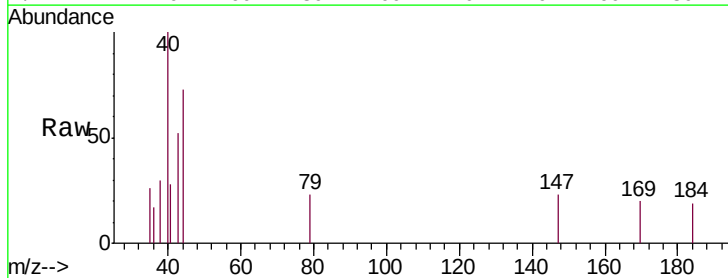
Ion Ratio Lower Upper

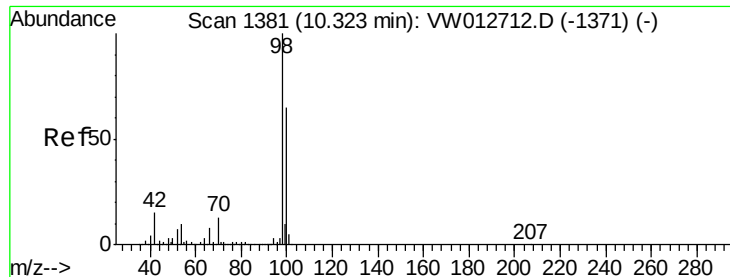
41 100

39 0.0 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#





#50

Toluene-d8

Concen: 51.736 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012747.D

Acq: 08 Sep 2019 04:58

Instrument :

MSVOA_W

ClientSampleId :

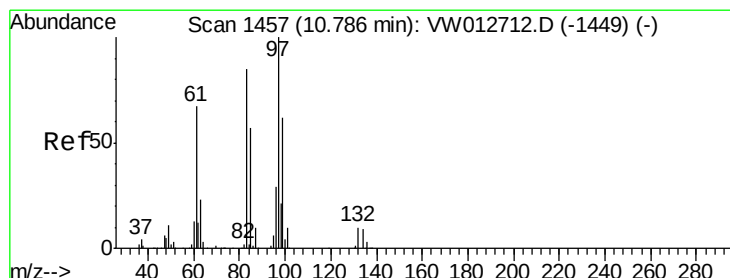
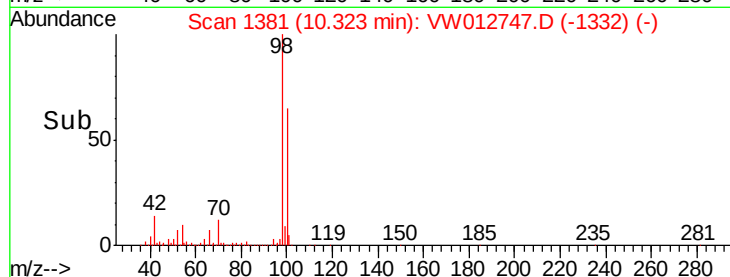
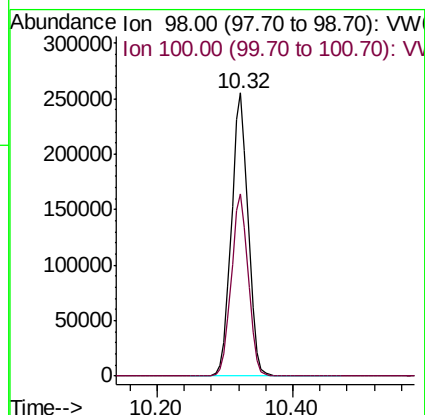
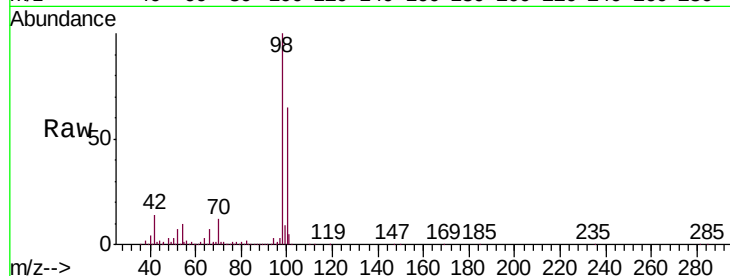
SB-2-(13-15)

Tgt Ion: 98 Resp: 433929

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.4



#55

1,1,2-Trichloroethane

Concen: 1.828 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW012747.D

Acq: 08 Sep 2019 04:58

Tgt Ion: 97 Resp: 3190

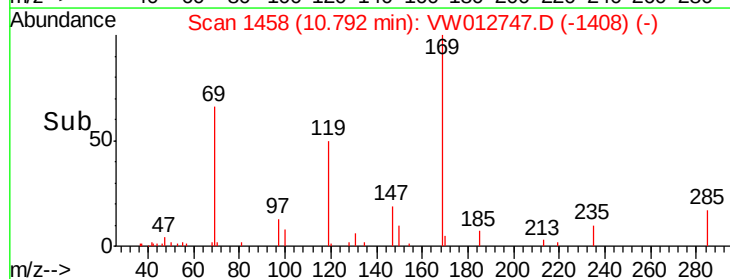
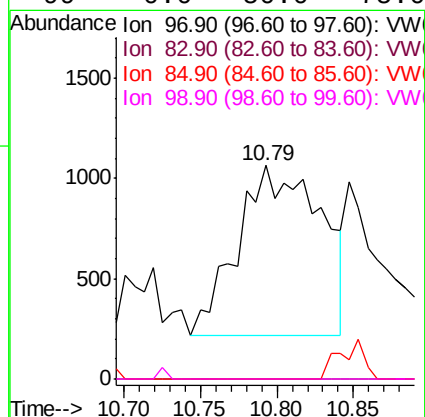
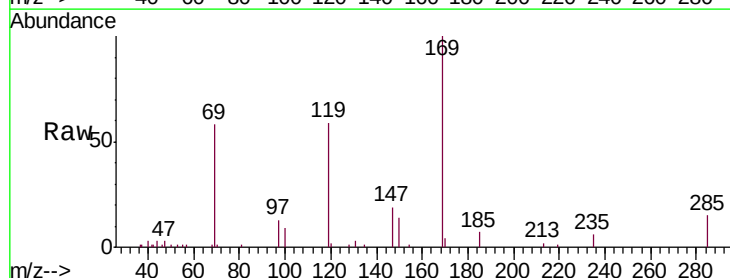
Ion Ratio Lower Upper

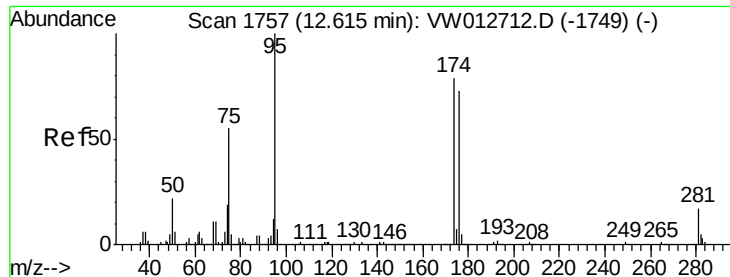
97 100

83 0.0 68.1 102.1#

85 0.0 45.3 67.9#

99 0.0 50.0 75.0#

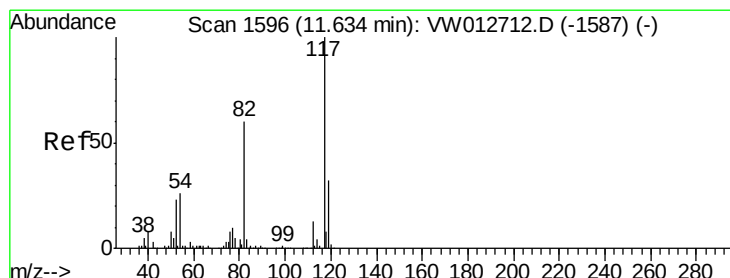
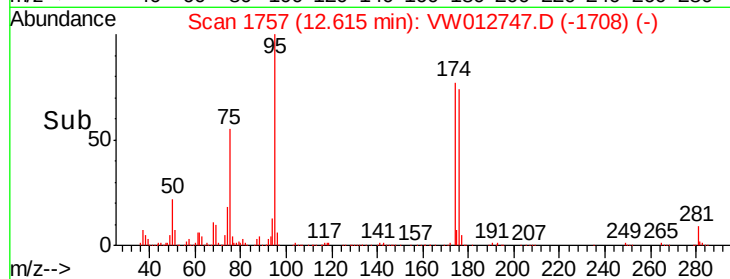
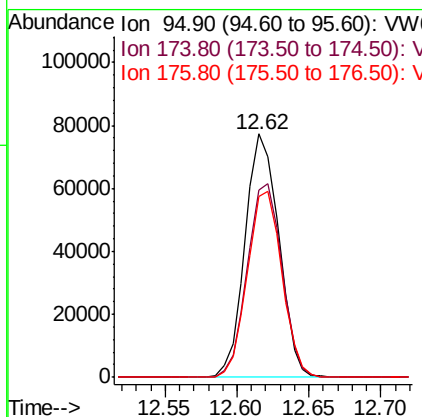
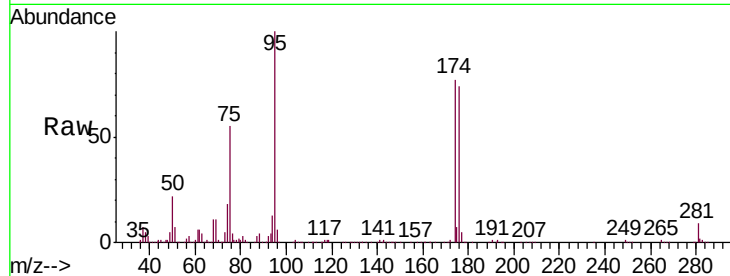




#62
4-Bromofluorobenzene
Concen: 41.182 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012747.D
Acq: 08 Sep 2019 04:58

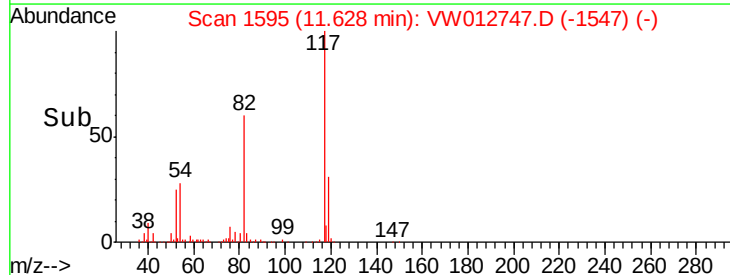
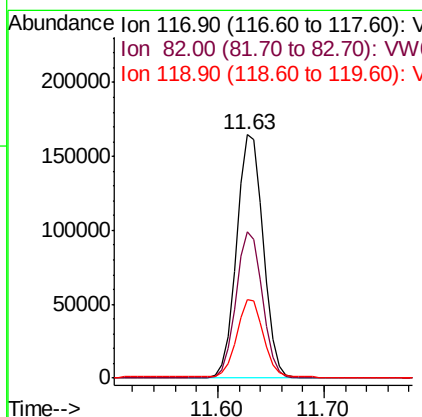
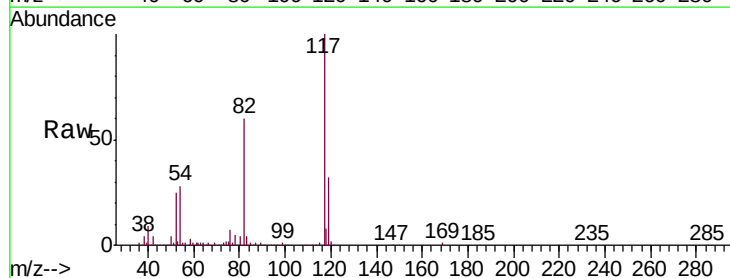
Instrument :
MSVOA_W
ClientSampleId :
SB-2-(13-15)

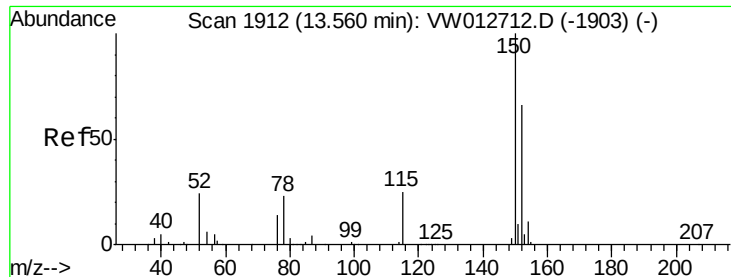
Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	161.0
176	78.2	0.0	156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012747.D
Acq: 08 Sep 2019 04:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.0	48.2	72.4
119	31.8	25.8	38.6



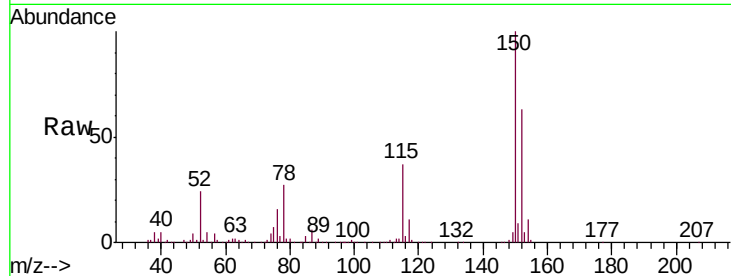


#72

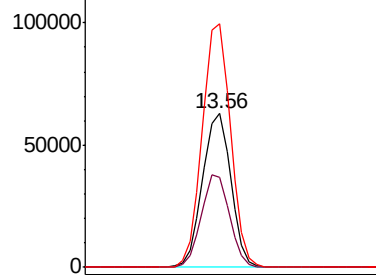
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012747.D
Acq: 08 Sep 2019 04:58

Instrument :
MSVOA_W
ClientSampleId :
SB-2-(13-15)

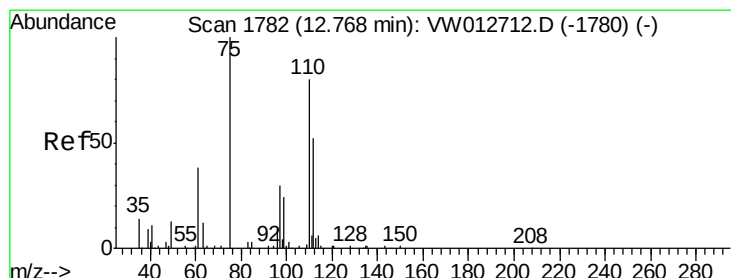
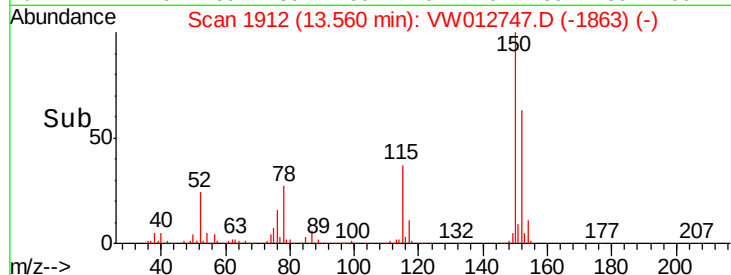
Tgt Ion:152 Resp: 100644
Ion Ratio Lower Upper
152 100
115 59.7 30.0 90.1
150 158.0 0.0 349.0



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



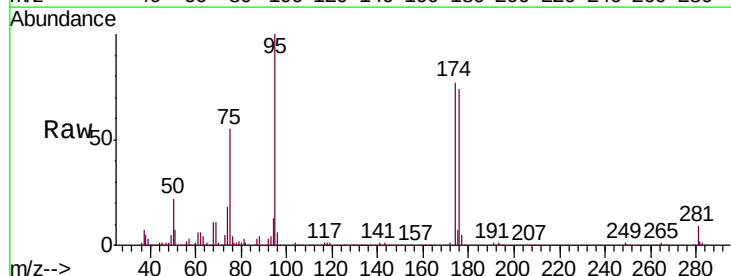
Time-->



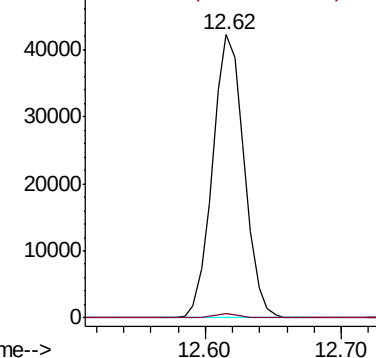
#76

1,2,3-Trichloropropane
Concen: 66.410 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012747.D
Acq: 08 Sep 2019 04:58

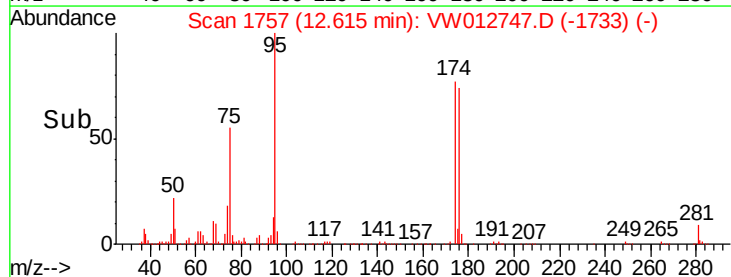
Tgt Ion: 75 Resp: 68344
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

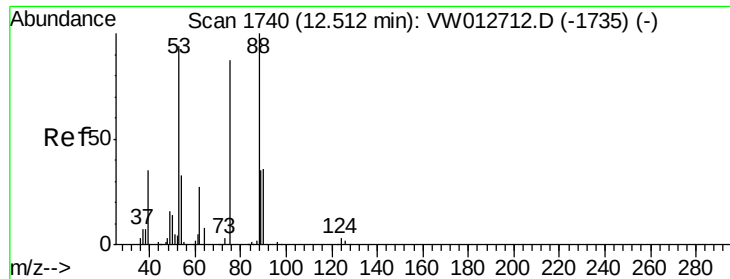


Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 140.461 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012747.D

Acq: 08 Sep 2019 04:58

Instrument :

MSVOA_W

ClientSampleId :

SB-2-(13-15)

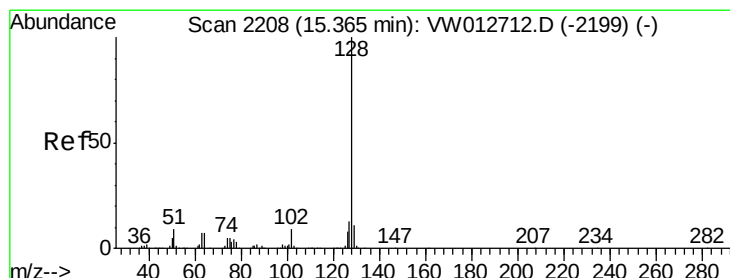
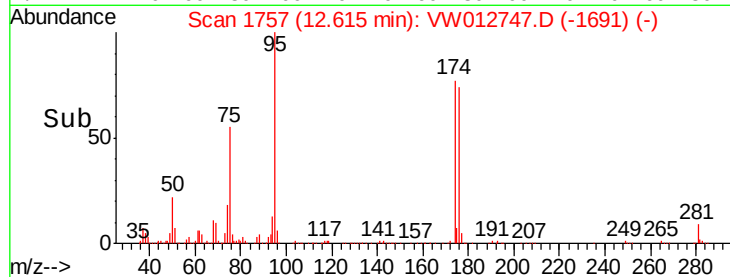
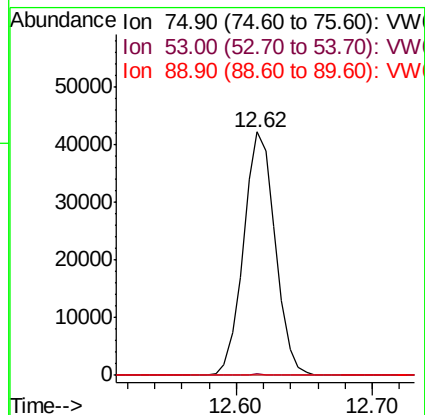
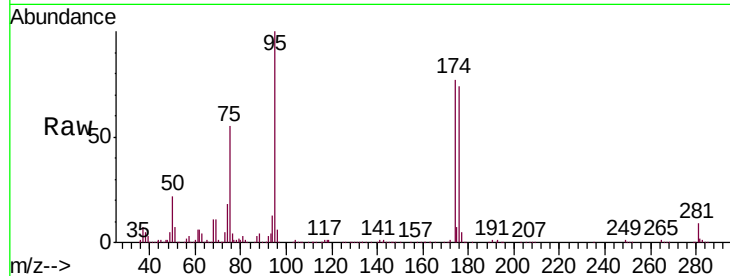
Tgt Ion: 75 Resp: 68344

Ion Ratio Lower Upper

75 100

53 0.3 87.6 131.4#

89 0.1 35.5 53.3#



#95

Naphthalene

Concen: 4.524 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012747.D

Acq: 08 Sep 2019 04:58

Tgt Ion: 128 Resp: 394

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 6.9 8.7 13.1#

