

Data File : VW012113.D
Acq On : 22 Aug 2019 16:17
Operator : SY/VA
Sample : K4461-07
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-04-11.5-12.0

Quant Time: Aug 23 08:01:02 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	229374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	386669	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	325559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	137343	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	143339	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	
35) Dibromofluoromethane	7.88	113	116748	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
50) Toluene-d8	10.32	98	472375	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
62) 4-Bromofluorobenzene	12.62	95	155592	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds

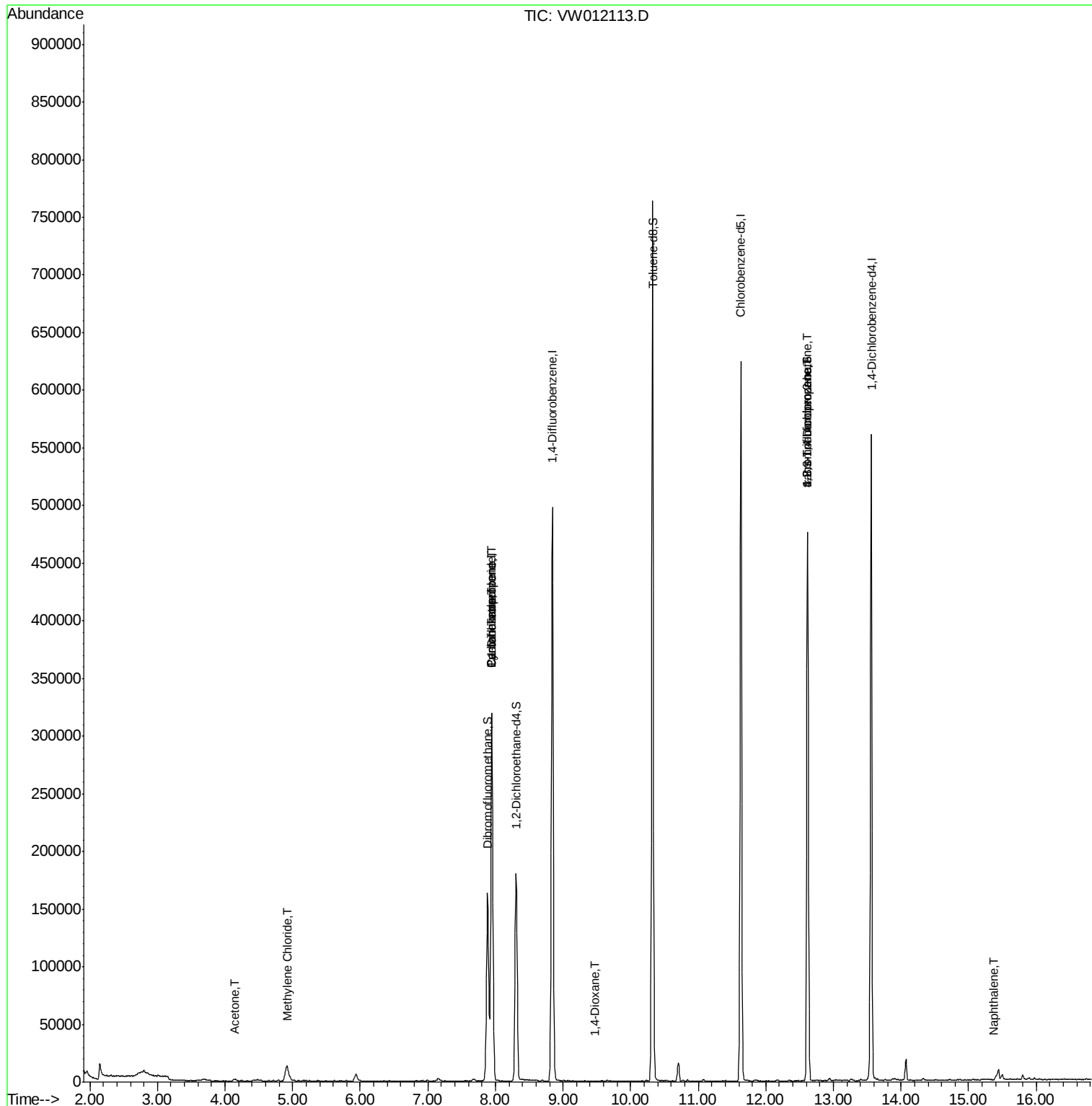
						Qvalue
11) Tert butyl alcohol	5.20	59	574	Below Cal	#	72
16) Acetone	4.14	43	3644	4.349	ug/l #	57
20) Methylene Chloride	4.92	84	9702	3.358	ug/l	98
31) Cyclohexane	7.94	56	5725	1.163	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20183	5.020	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22644	6.579	ug/l #	16
49) 1,4-Dioxane	9.46	88	41	2.059	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	84073	57.852	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84073	133.328	ug/l #	6
95) Naphthalene	15.36	128	223	2.105	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: VW012113.D

Acq: 22 Aug 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

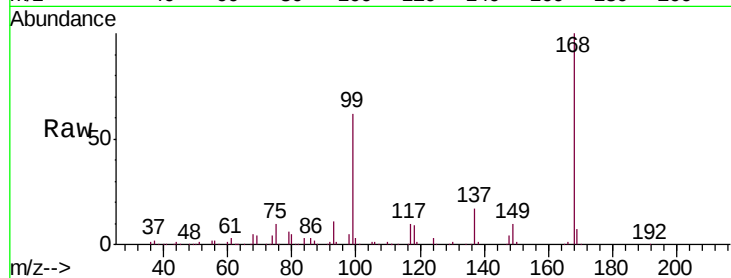
SB-04-11.5-12.0

Tgt Ion:168 Resp: 229374

Ion Ratio Lower Upper

168 100

99 62.3 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

100000

80000

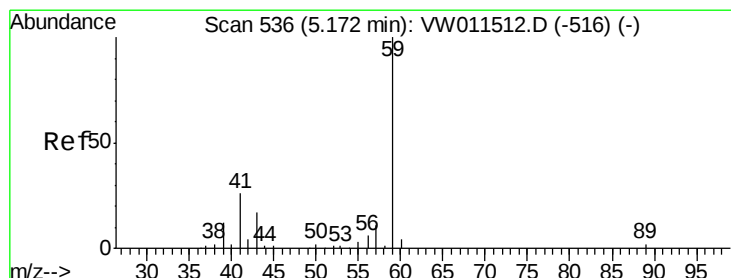
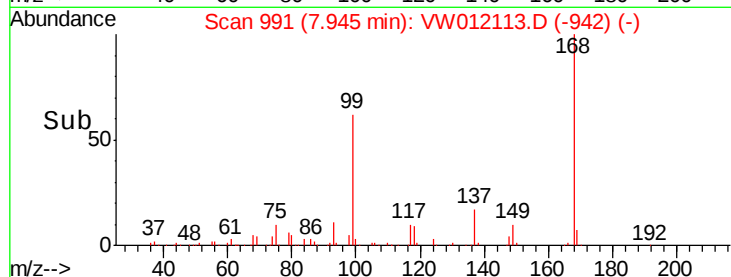
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW012113.D

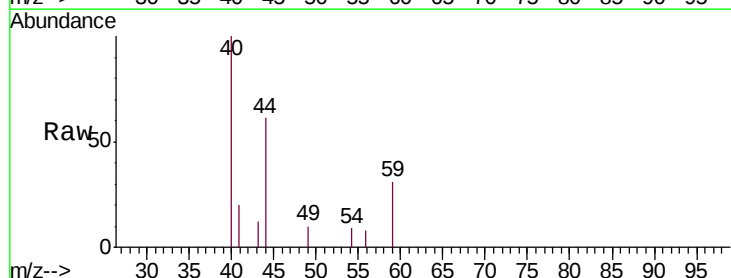
Acq: 22 Aug 2019 16:17

Tgt Ion: 59 Resp: 574

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

200

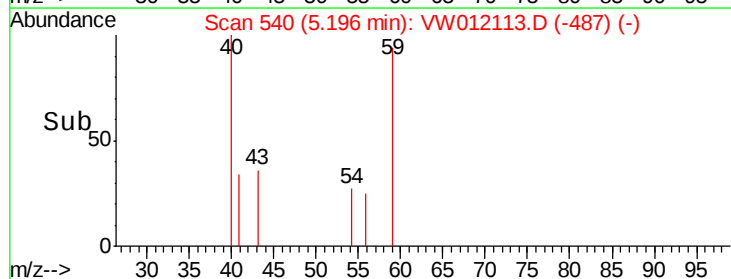
150

100

50

0

Time-->





#16

Acetone

Concen: 4.349 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012113.D

Acq: 22 Aug 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

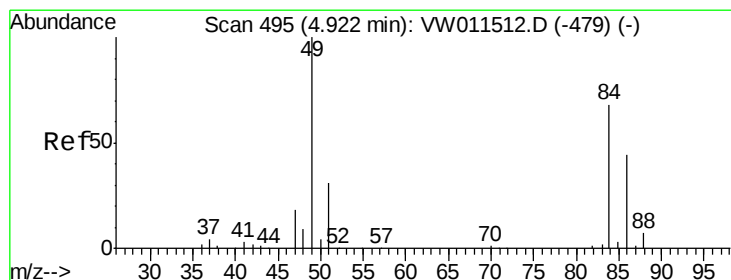
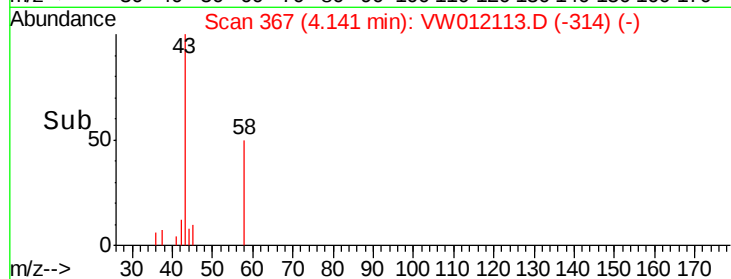
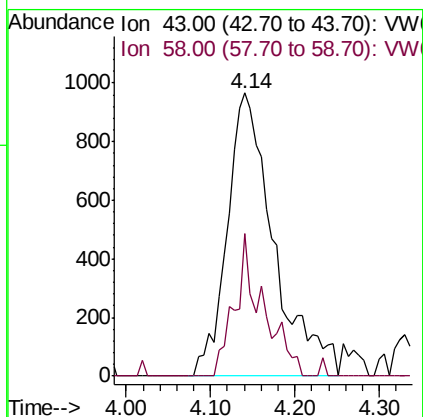
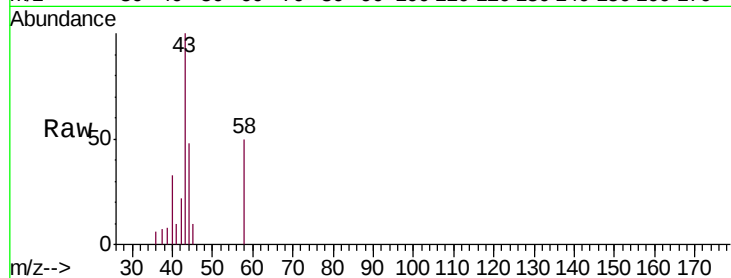
SB-04-11.5-12.0

Tgt Ion: 43 Resp: 3644

Ion Ratio Lower Upper

43 100

58 50.4 22.3 33.5#



#20

Methylene Chloride

Concen: 3.358 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012113.D

Acq: 22 Aug 2019 16:17

Tgt Ion: 84 Resp: 9702

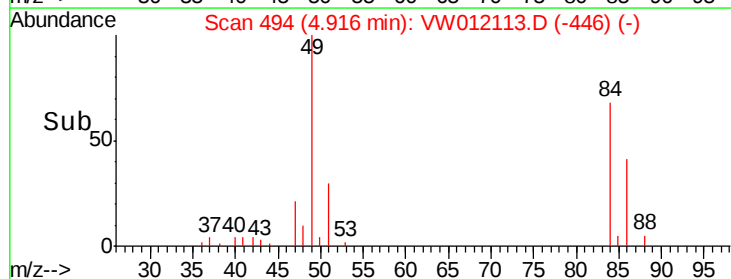
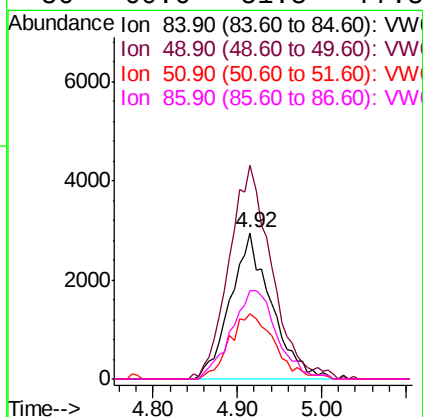
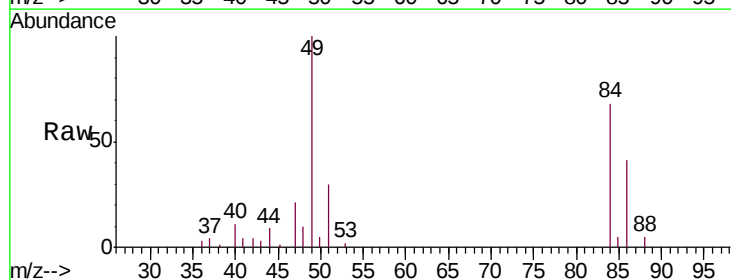
Ion Ratio Lower Upper

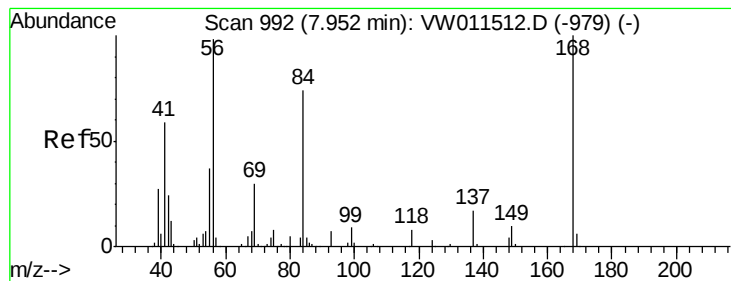
84 100

49 146.0 117.8 176.6

51 44.2 37.0 55.4

86 60.6 51.8 77.8





#31

Cyclohexane

Concen: 1.163 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012113.D

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Instrument :

MSVOA_W

ClientSampleId :

SB-04-11.5-12.0

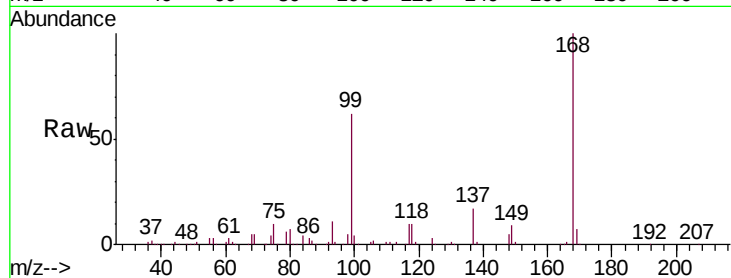
Tgt Ion: 56 Resp: 5725

Ion Ratio Lower Upper

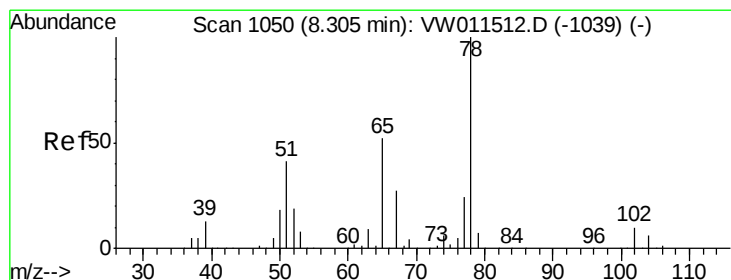
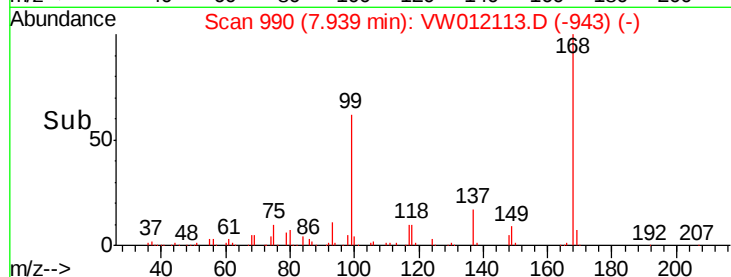
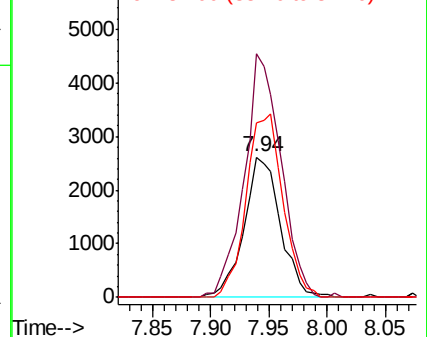
56 100

69 173.4 24.3 36.5#

84 124.5 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: 54.422 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012113.D

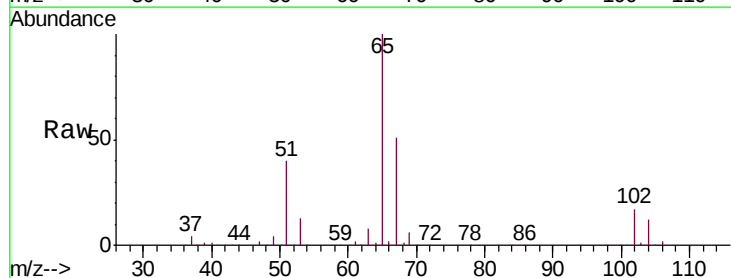
Acq: 22 Aug 2019 16:17

Tgt Ion: 65 Resp: 143339

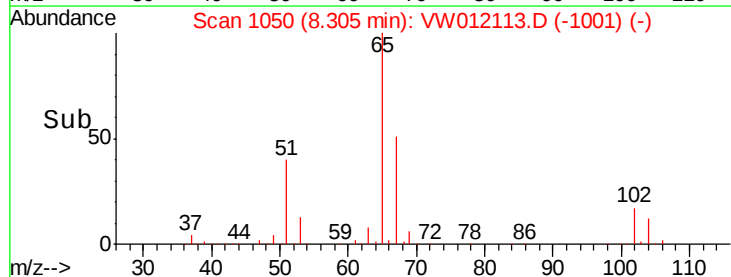
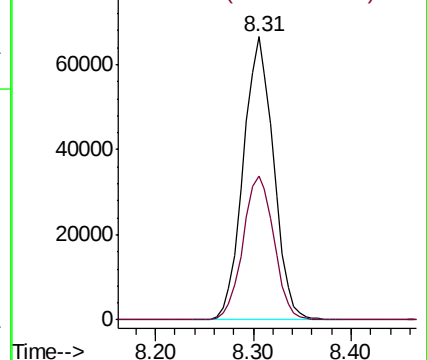
Ion Ratio Lower Upper

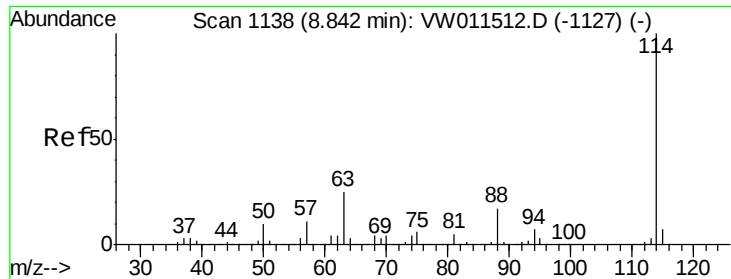
65 100

67 51.9 0.0 105.2



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

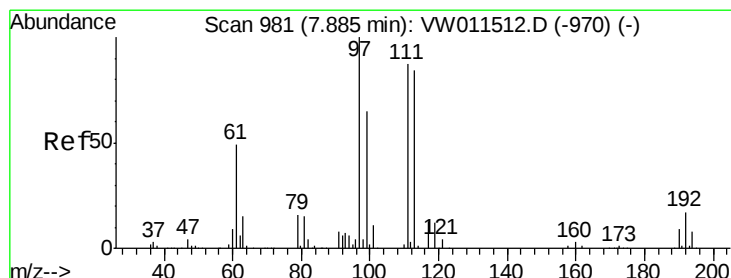
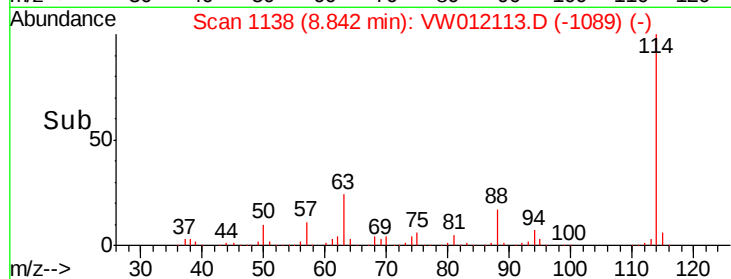
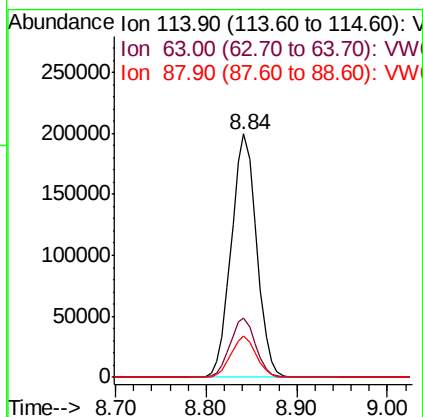
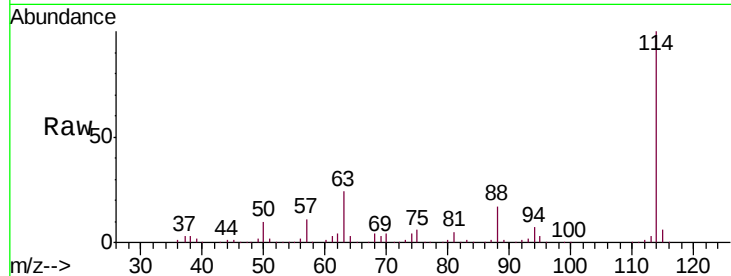




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012113.D
 Acq: 22 Aug 2019 16:17

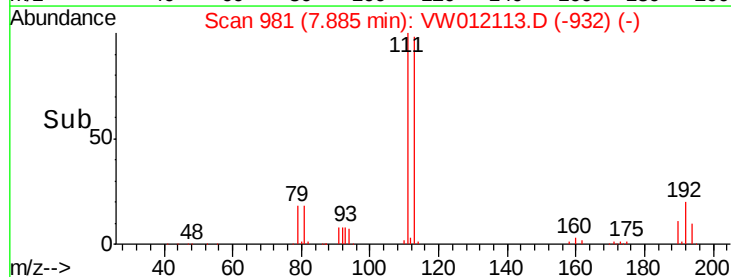
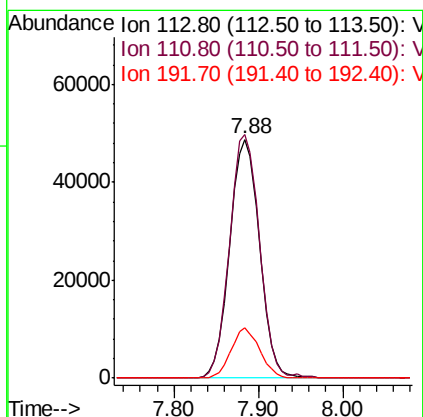
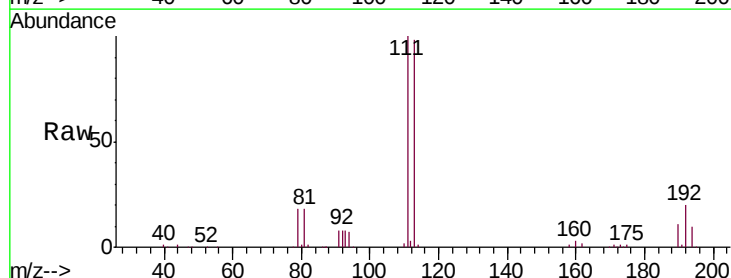
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04-11.5-12.0

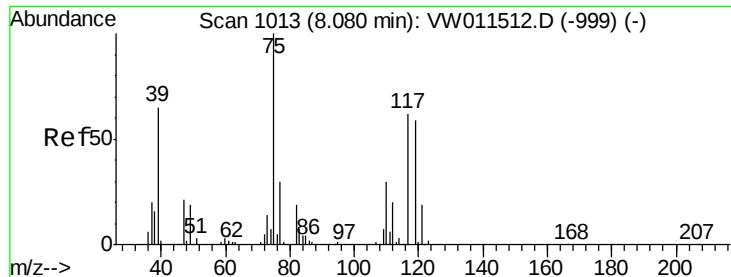
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	49.2
88	17.0	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 53.819 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012113.D
 Acq: 22 Aug 2019 16:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.7	124.1
192	20.2	16.1	24.1

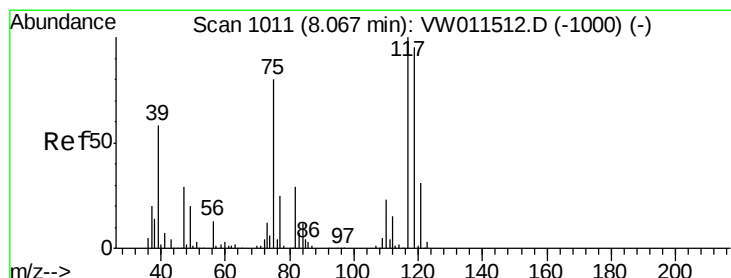
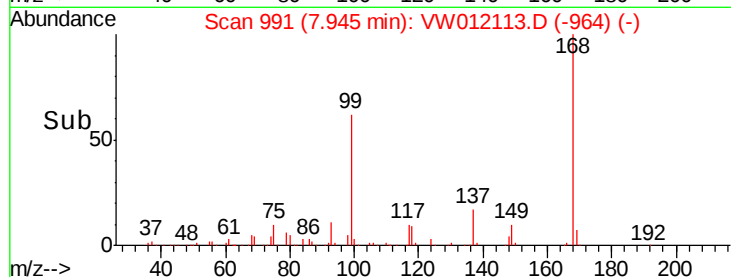
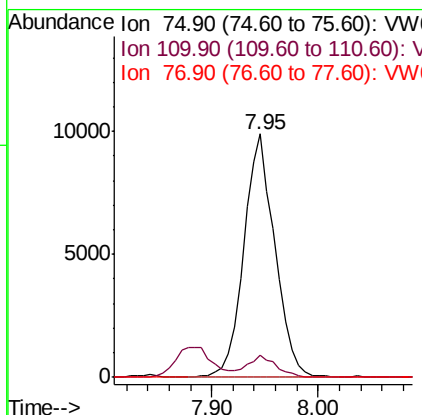
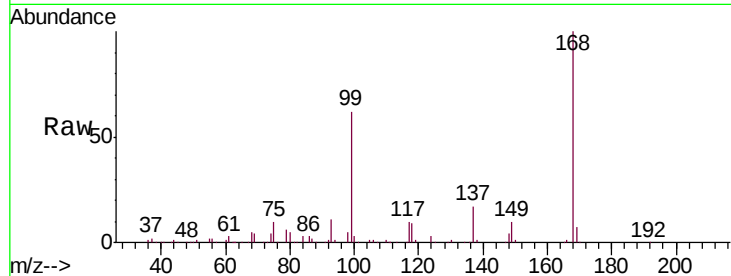




#36
 1,1-Dichloropropene
 Concen: 5.020 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012113.D
 Acq: 22 Aug 2019 16:17

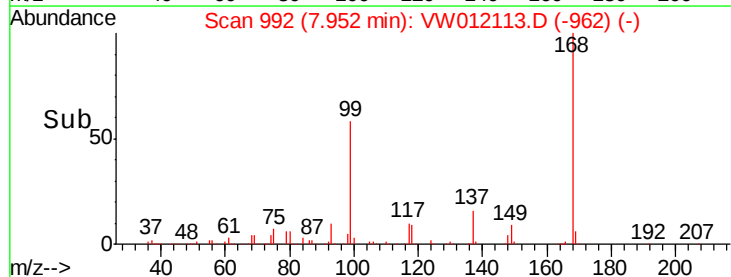
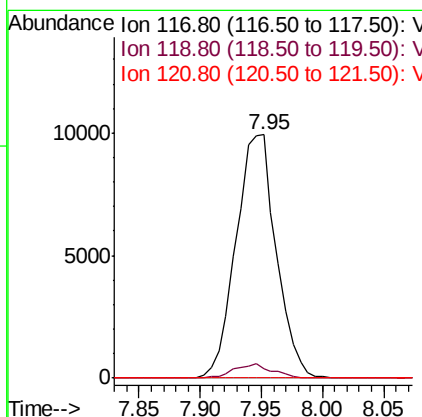
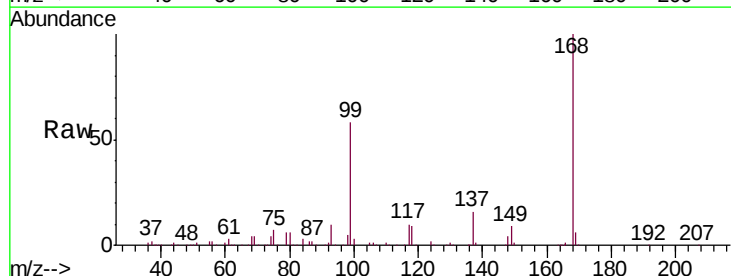
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04-11.5-12.0

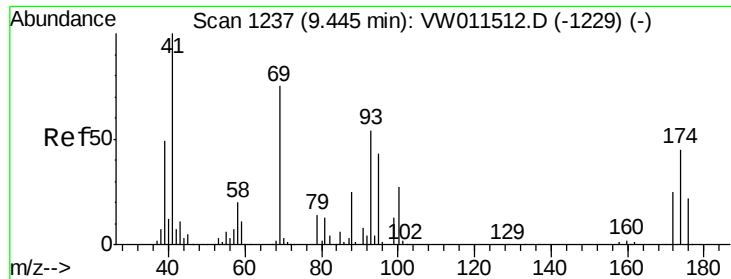
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.579 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW012113.D
 Acq: 22 Aug 2019 16:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	75.8	113.6#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 2.059 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW012113.D

Acq: 22 Aug 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

SB-04-11.5-12.0

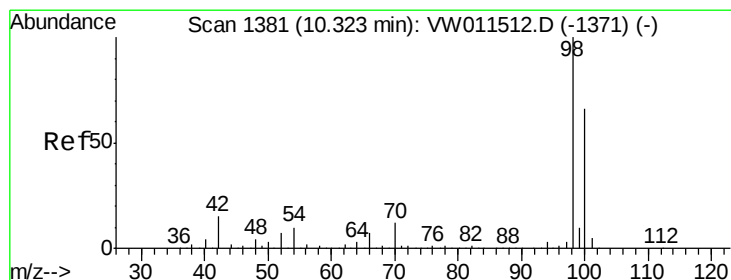
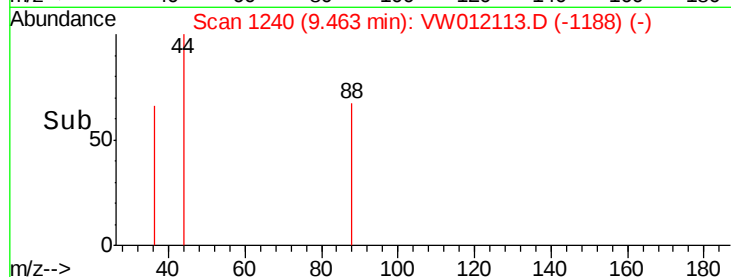
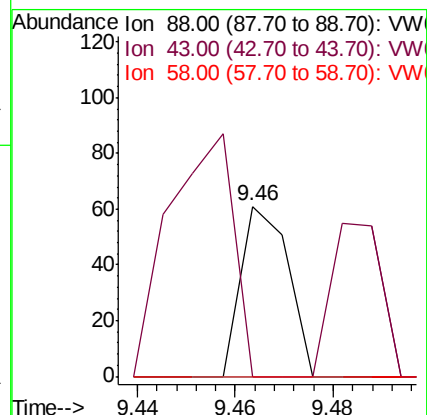
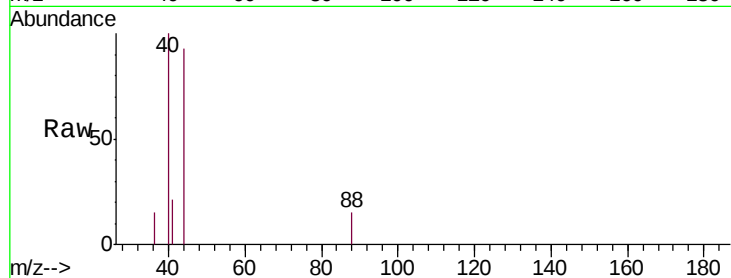
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 195.1 34.0 51.0#

58 0.0 69.7 104.5#



#50

Toluene-d8

Concen: 53.185 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012113.D

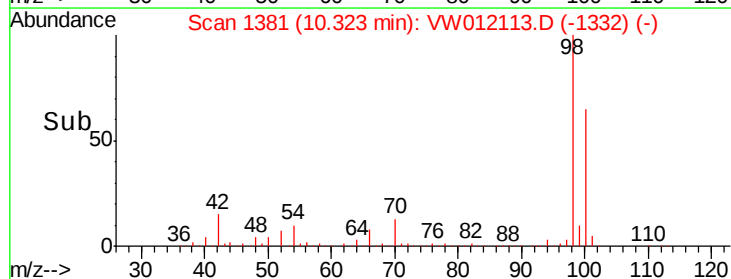
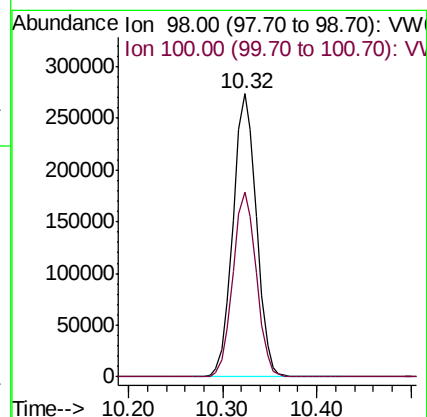
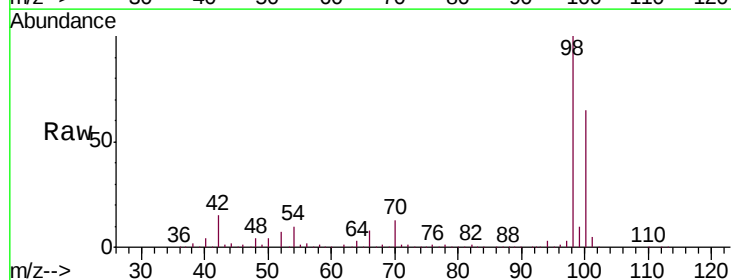
Acq: 22 Aug 2019 16:17

Tgt Ion: 98 Resp: 472375

Ion Ratio Lower Upper

98 100

100 65.3 52.7 79.1

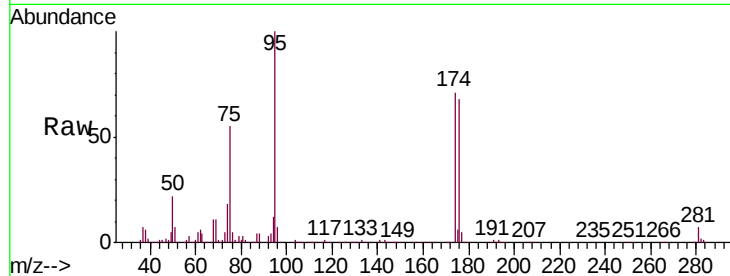




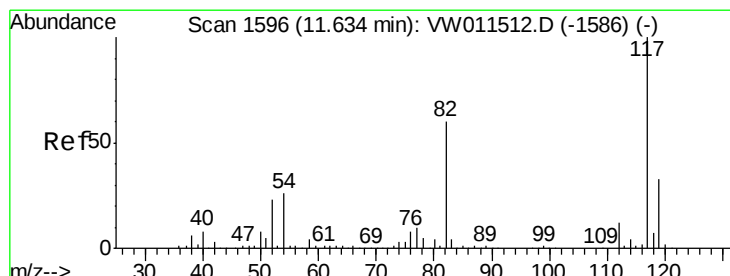
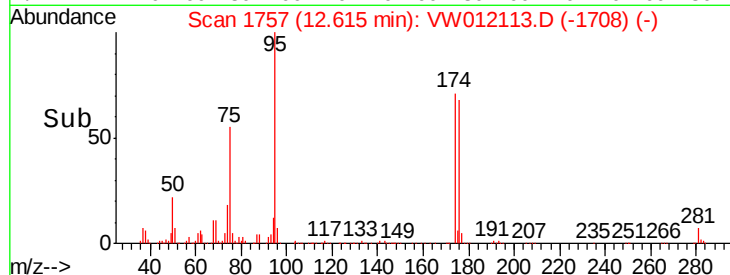
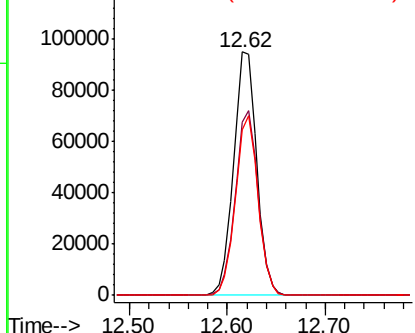
#62
4-Bromofluorobenzene
Concen: 49.137 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012113.D
Acq: 22 Aug 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
SB-04-11.5-12.0

Tgt Ion: 95 Resp: 155592
Ion Ratio Lower Upper
95 100
174 74.8 0.0 150.2
176 72.1 0.0 144.4

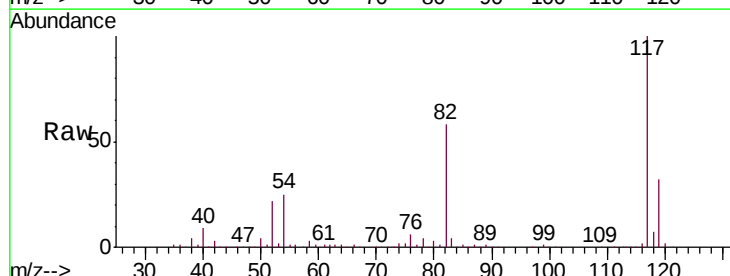


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

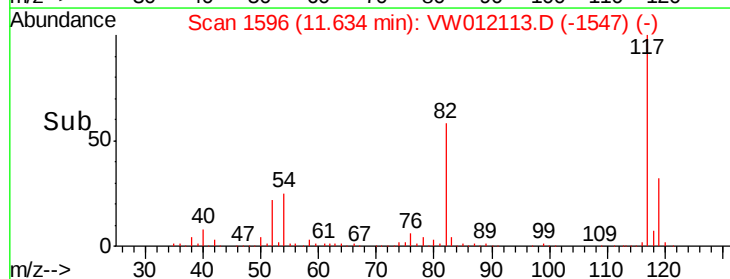
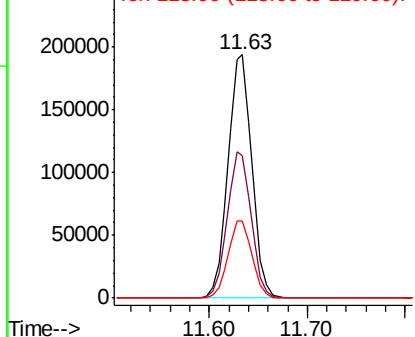


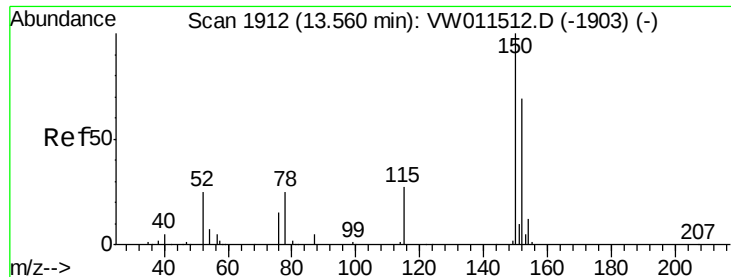
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012113.D
Acq: 22 Aug 2019 16:17

Tgt Ion: 117 Resp: 325559
Ion Ratio Lower Upper
117 100
82 58.4 47.9 71.9
119 31.5 26.2 39.2



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: VW012113.D

Acq: 22 Aug 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

SB-04-11.5-12.0

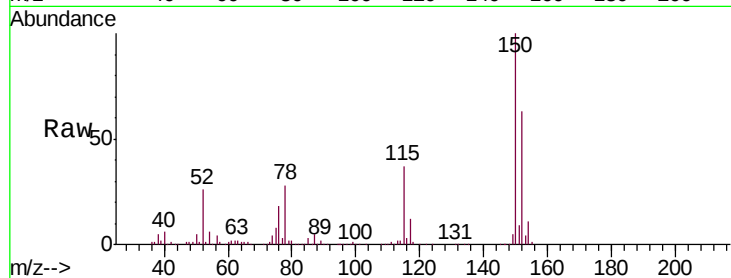
Tgt Ion:152 Resp: 137343

Ion Ratio Lower Upper

152 100

115 61.4 30.5 91.5

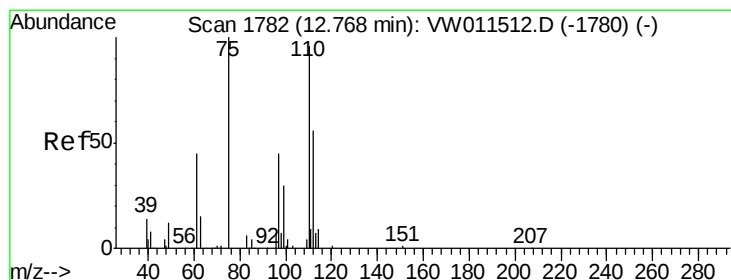
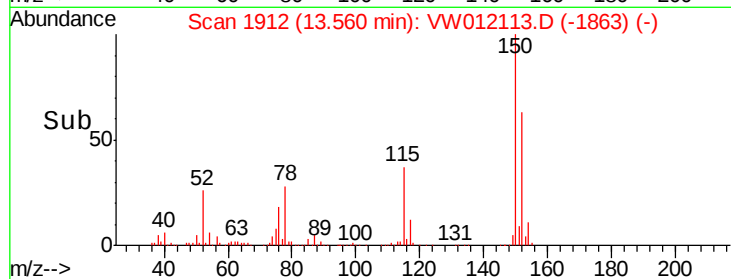
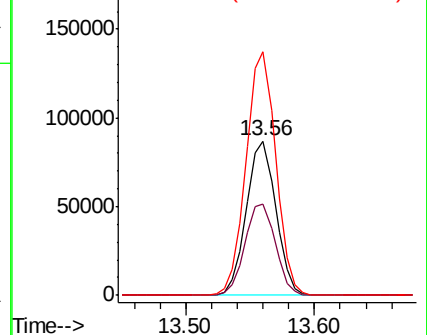
150 159.0 0.0 352.6



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: 57.852 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012113.D

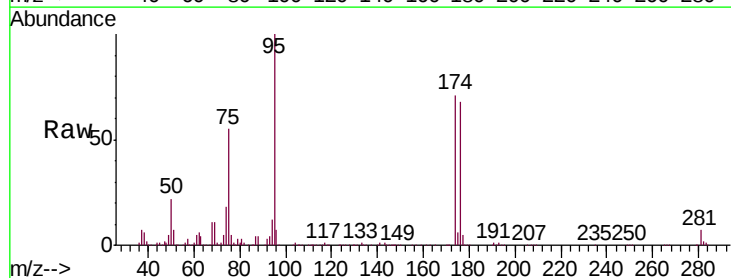
Acq: 22 Aug 2019 16:17

Tgt Ion: 75 Resp: 84073

Ion Ratio Lower Upper

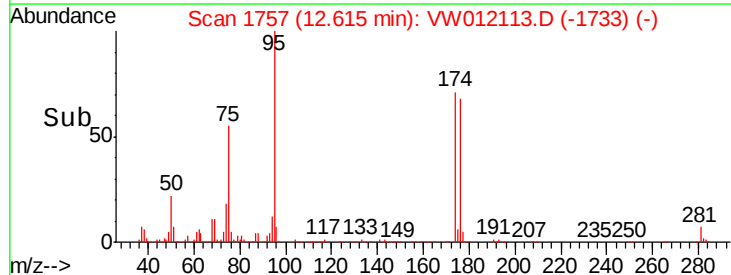
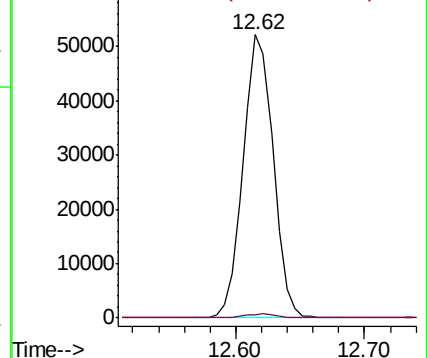
75 100

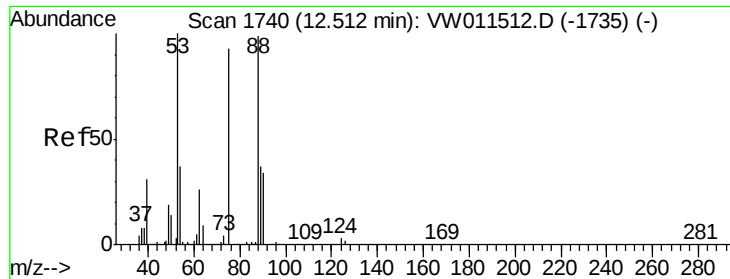
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

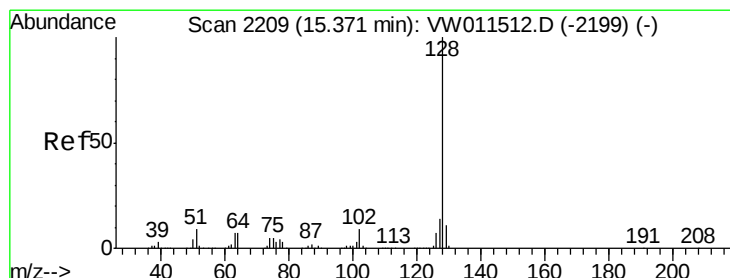
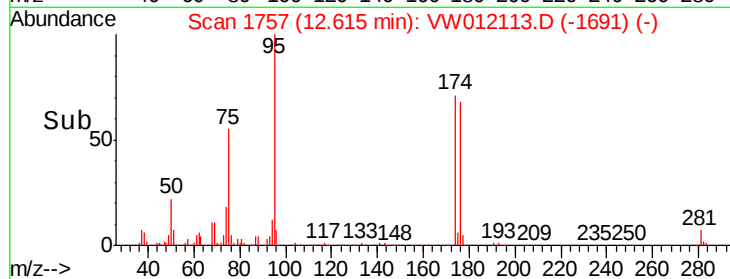
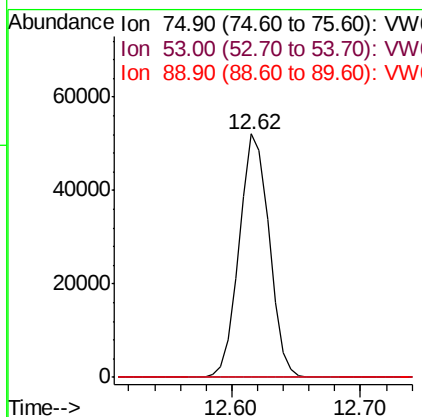
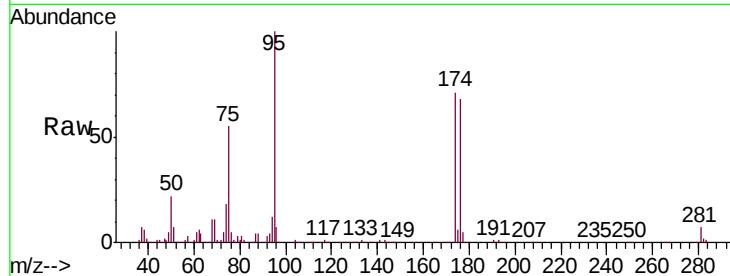




#81
trans-1,4-Dichloro-2-butene
Concen: 133.328 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012113.D
Acq: 22 Aug 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
SB-04-11.5-12.0

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	88.0	132.0#
89	0.1	35.3	52.9#



#95
Naphthalene
Concen: 2.105 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW012113.D
Acq: 22 Aug 2019 16:17

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#

