

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090719\
 Data File : VW012752.D
 Acq On : 08 Sep 2019 07:07
 Operator : SY/VA
 Sample : K4636-05
 Misc : 5.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-21-7.5-8.0

Quant Time: Sep 09 04:06:38 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	247474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	385244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	316951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124556	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	156350	56.54	ug/l	0.00
Spiked Amount			Recovery	=	113.08%	
35) Dibromofluoromethane	7.88	113	114212	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
50) Toluene-d8	10.32	98	464958	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.62	95	144253	44.28	ug/l	0.00
Spiked Amount			Recovery	=	88.56%	

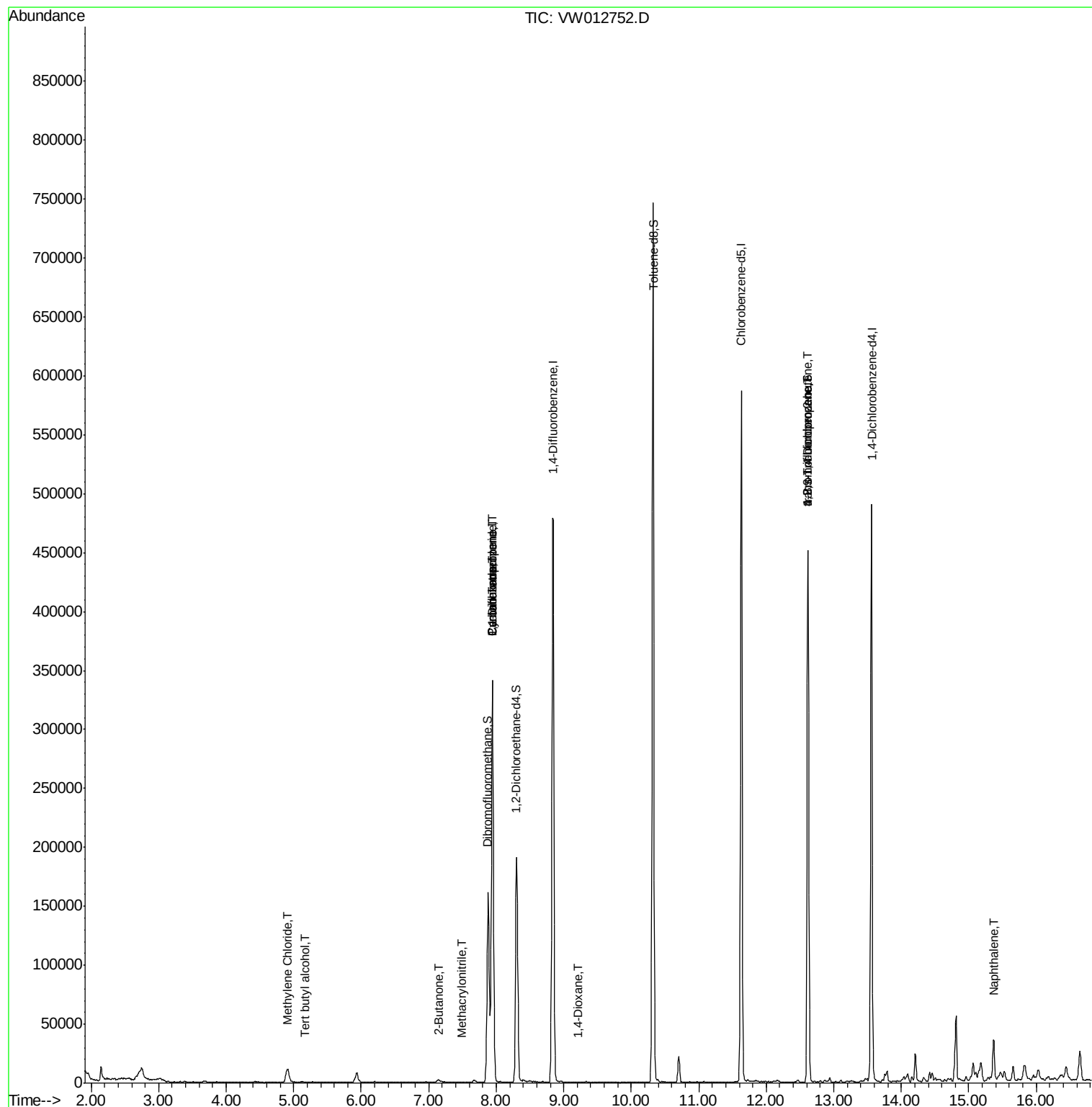
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	271	1.281	ug/l #	72
20) Methylene Chloride	4.90	84	8797	3.730	ug/l #	85
25) 2-Butanone	7.15	43	48	19.720	ug/l #	53
31) Cyclohexane	7.94	56	5640	1.388	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	19784	5.780	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25250	7.483	ug/l #	17
41) Methacrylonitrile	7.48	41	20	3.851	ug/l #	1
49) 1,4-Dioxane	9.21	88	25	1.015	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	80181	62.954	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	80181	133.152	ug/l #	6
95) Naphthalene	15.36	128	29494	9.582	ug/l	99

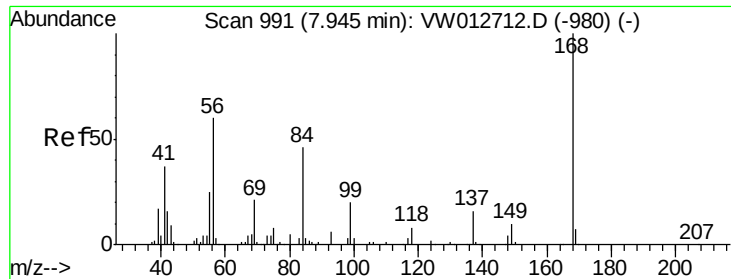
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090719\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012752.D

Acq: 08 Sep 2019 07:07

Instrument :

MSVOA_W

ClientSampled :

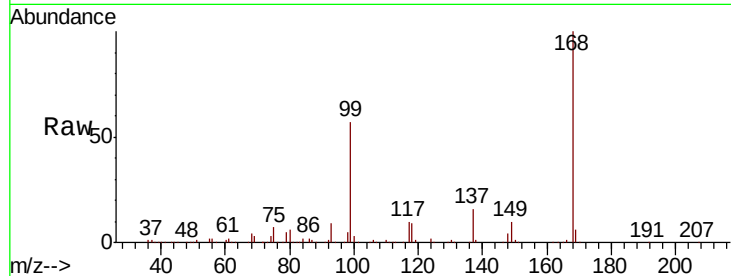
SB-21-7.5-8.0

Tgt Ion:168 Resp: 247474

Ion Ratio Lower Upper

168 100

99 56.7 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

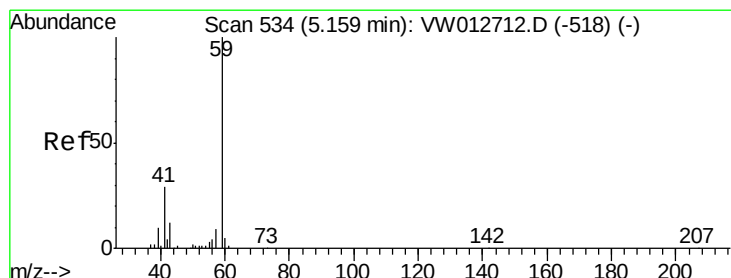
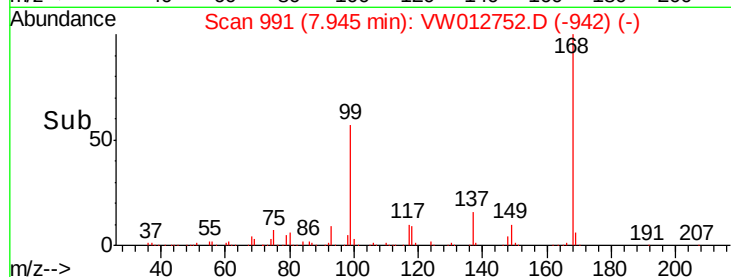
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.281 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.01 min

Lab File: VW012752.D

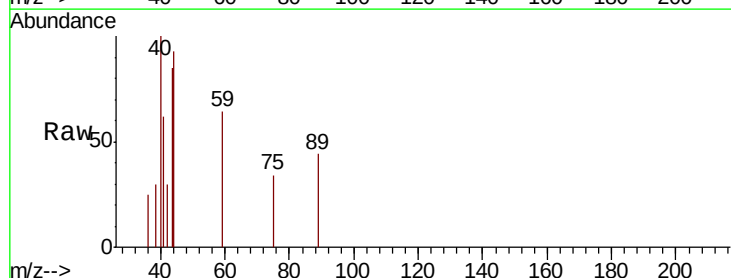
Acq: 08 Sep 2019 07:07

Tgt Ion: 59 Resp: 271

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

200

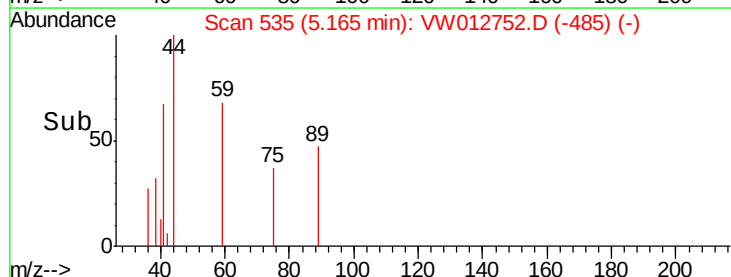
150

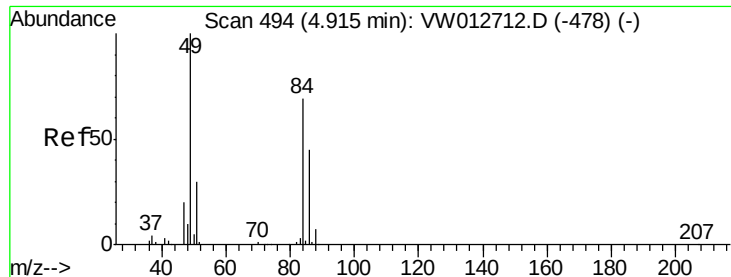
100

50

0

Time--> 5.15 5.20





#20

Methylene Chloride

Concen: 3.730 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012752.D

Acq: 08 Sep 2019 07:07

Instrument :

MSVOA_W

ClientSampleId :

SB-21-7.5-8.0

Tgt Ion: 84 Resp: 8797

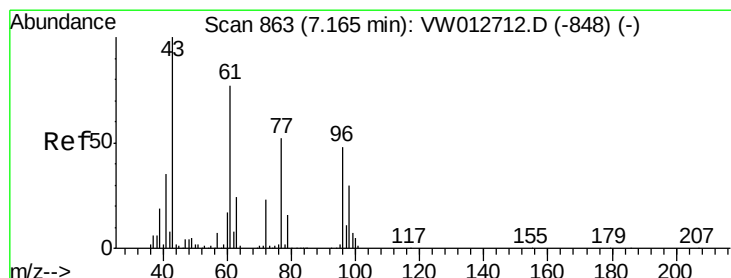
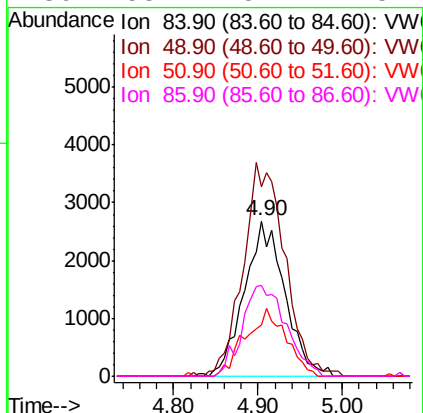
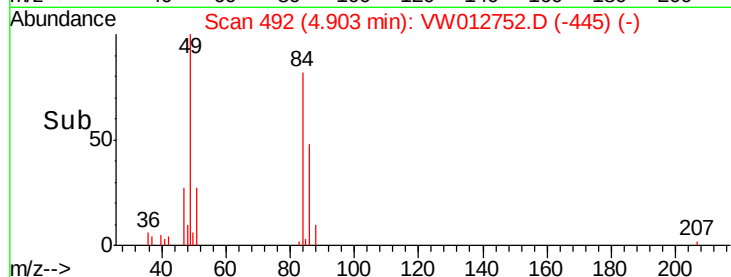
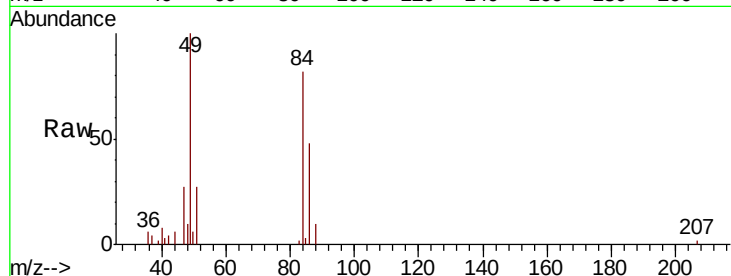
Ion Ratio Lower Upper

84 100

49 122.3 115.4 173.0

51 32.9 34.9 52.3#

86 58.2 52.2 78.4



#25

2-Butanone

Concen: 19.720 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW012752.D

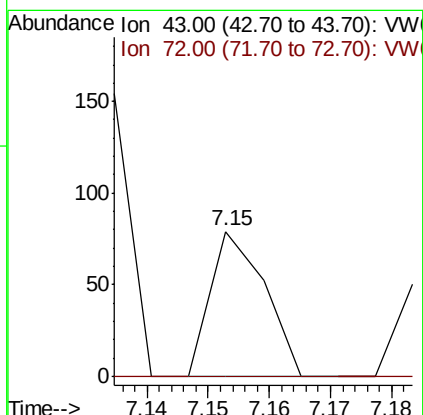
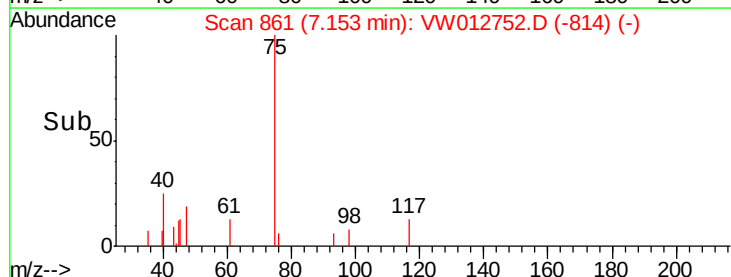
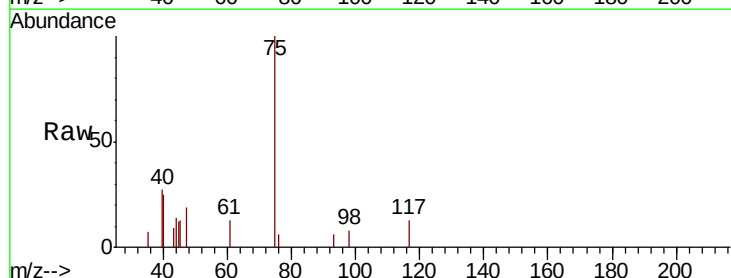
Acq: 08 Sep 2019 07:07

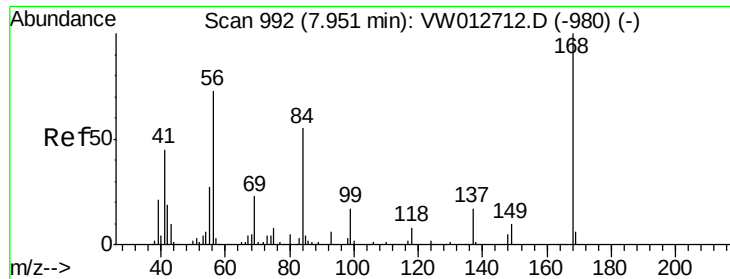
Tgt Ion: 43 Resp: 48

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#

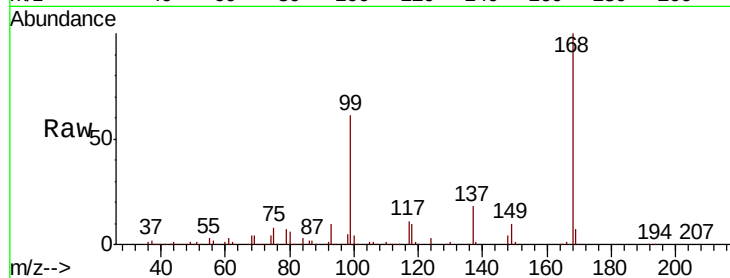




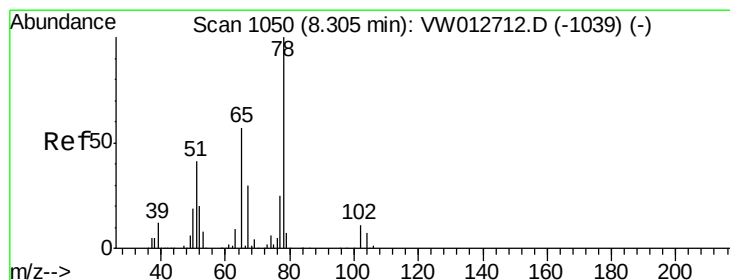
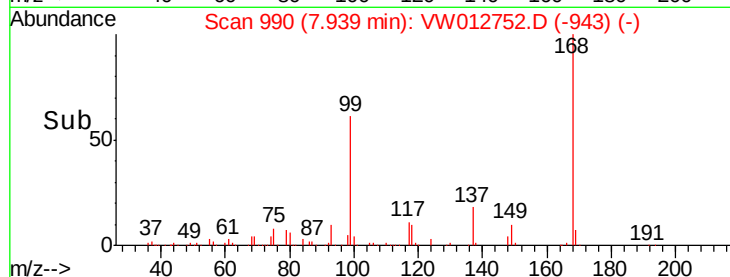
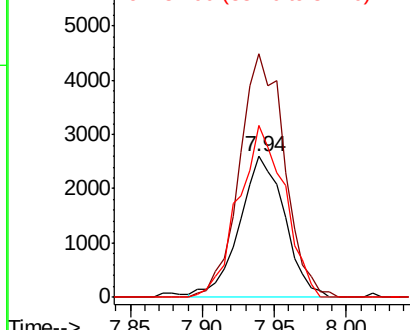
#31
Cyclohexane
Concen: 1.388 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012752.D
Acq: 08 Sep 2019 07:07

Instrument :
MSVOA_W
ClientSampleId :
SB-21-7.5-8.0

Tgt Ion: 56 Resp: 5640
Ion Ratio Lower Upper
56 100
69 172.5 25.7 38.5#
84 121.8 60.4 90.6#

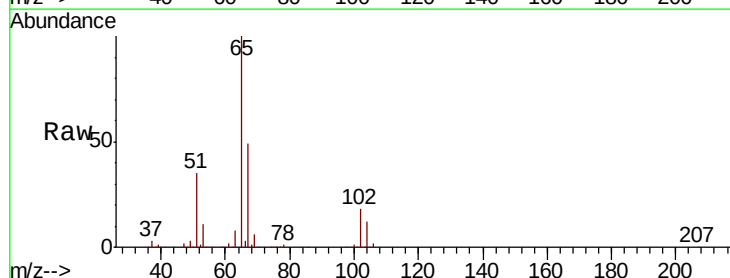


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

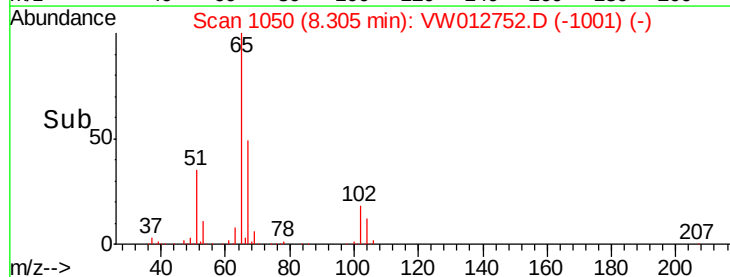
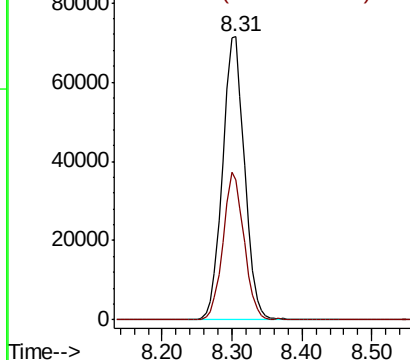


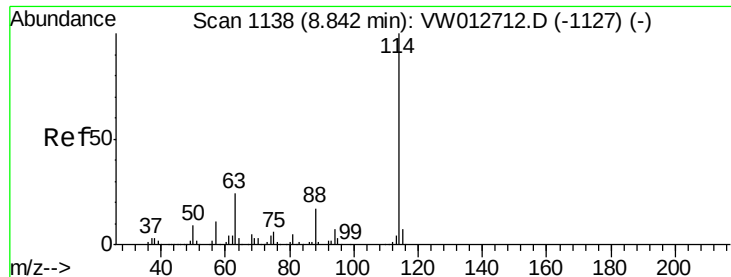
#33
1,2-Dichloroethane-d4
Concen: 56.544 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW012752.D
Acq: 08 Sep 2019 07:07

Tgt Ion: 65 Resp: 156350
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.8



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: VW012752.D

Acq: 08 Sep 2019 07:07

Instrument :

MSVOA_W

ClientSampleId :

SB-21-7.5-8.0

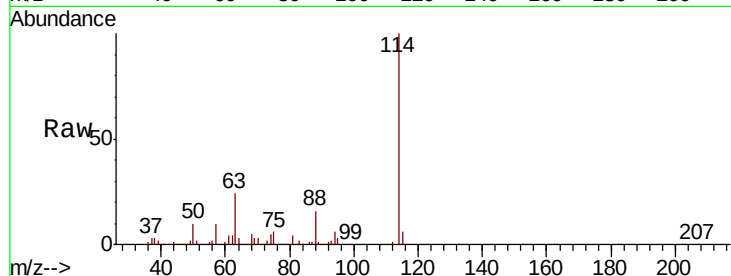
Tgt Ion:114 Resp: 385244

Ion Ratio Lower Upper

114 100

63 24.3 0.0 47.2

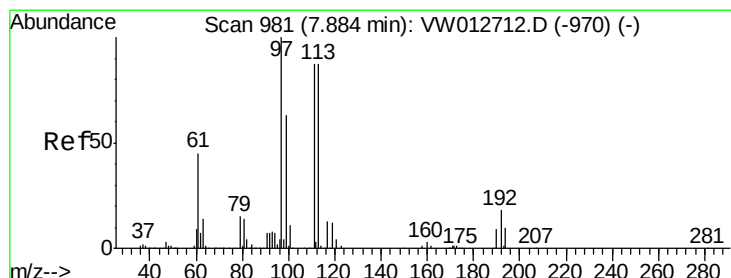
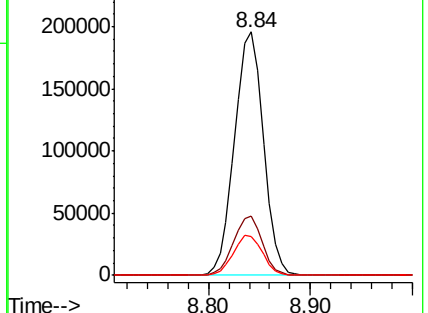
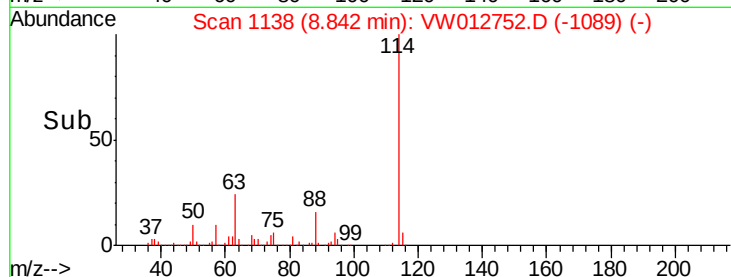
88 16.2 0.0 34.0



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: 49.866 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012752.D

Acq: 08 Sep 2019 07:07

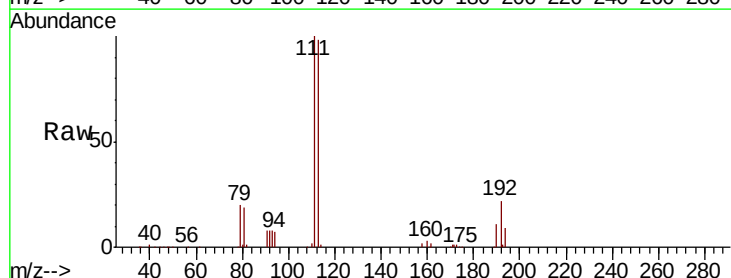
Tgt Ion:113 Resp: 114212

Ion Ratio Lower Upper

113 100

111 102.8 80.2 120.4

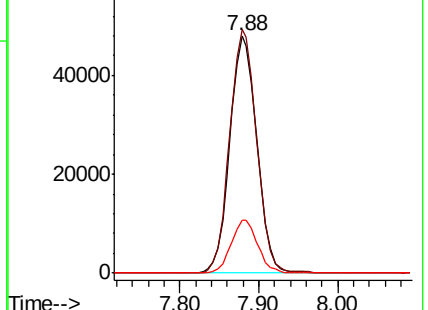
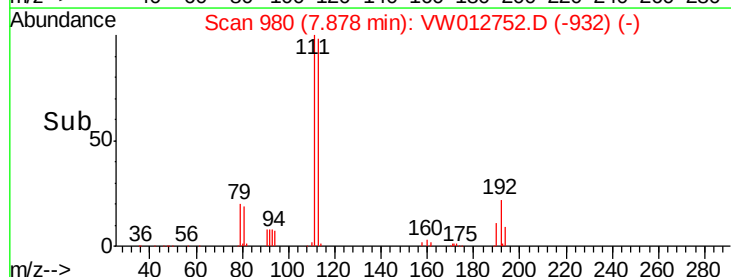
192 21.9 17.3 25.9

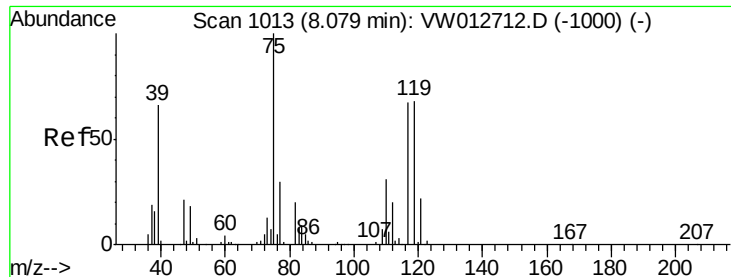


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

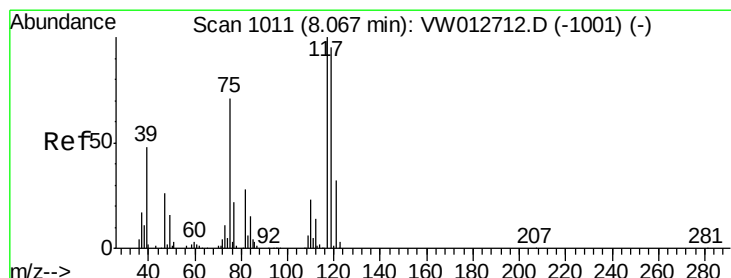
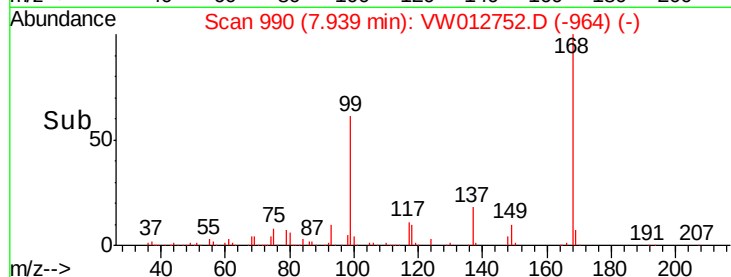
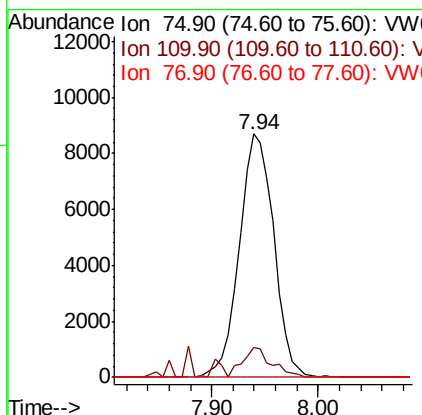
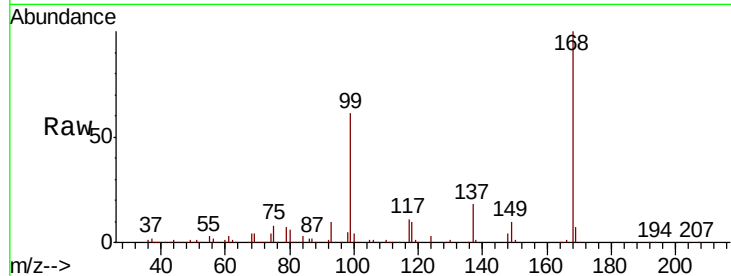




#36
 1,1-Dichloropropene
 Concen: 5.780 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012752.D
 Acq: 08 Sep 2019 07:07

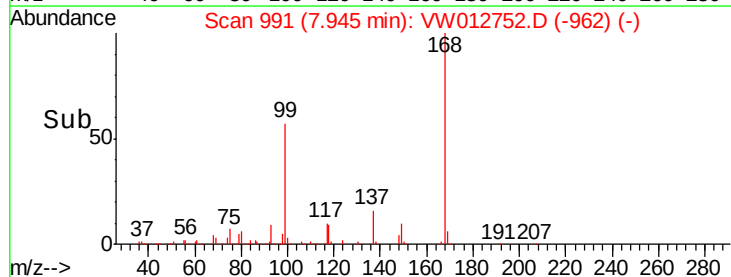
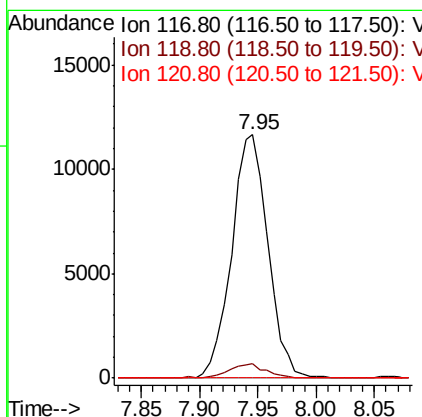
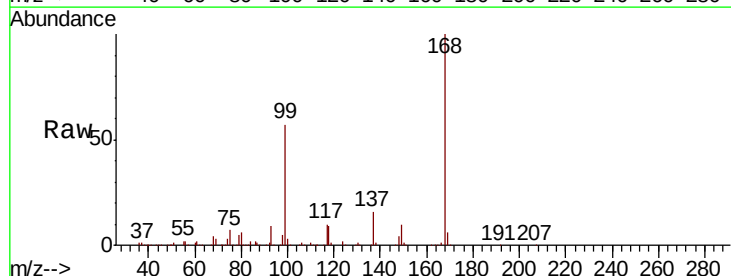
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-21-7.5-8.0

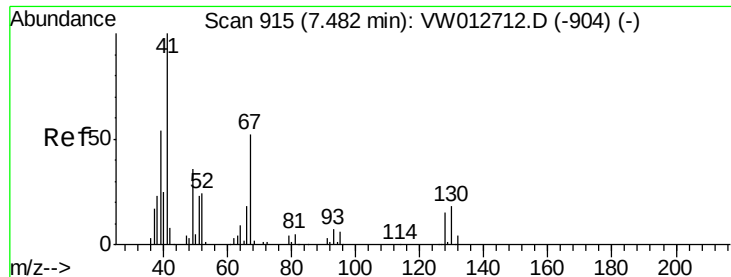
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.483 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012752.D
 Acq: 08 Sep 2019 07:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.2	114.2#
121	0.0	25.4	38.2#

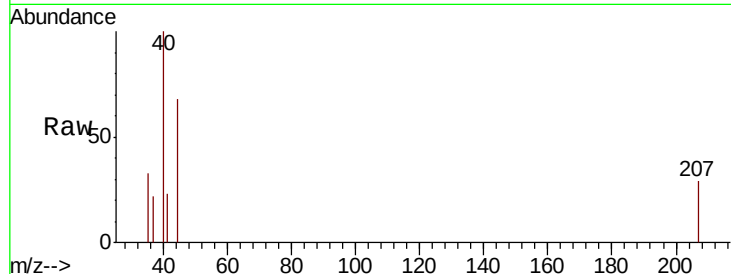




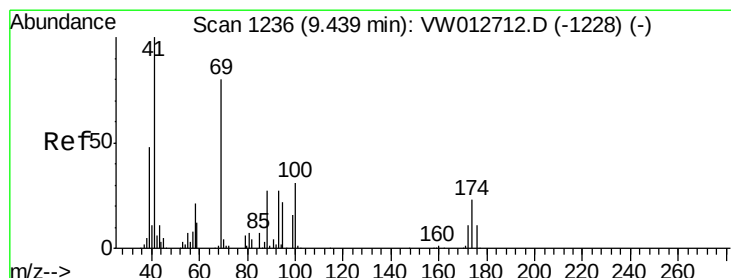
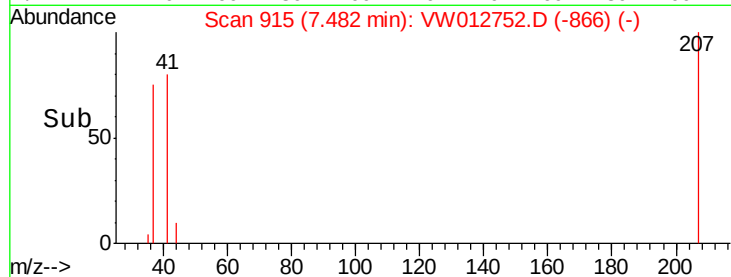
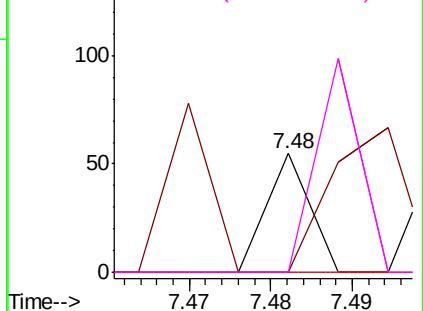
#41
Methacrylonitrile
Concen: 3.851 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW012752.D
Acq: 08 Sep 2019 07:07

Instrument :
MSVOA_W
ClientSampleId :
SB-21-7.5-8.0

Tgt Ion:	41	Resp:	20
Ion	Ratio	Lower	Upper
41	100		
39	215.0	47.5	71.3#
67	0.0	45.1	67.7#
52	180.0	20.2	30.2#

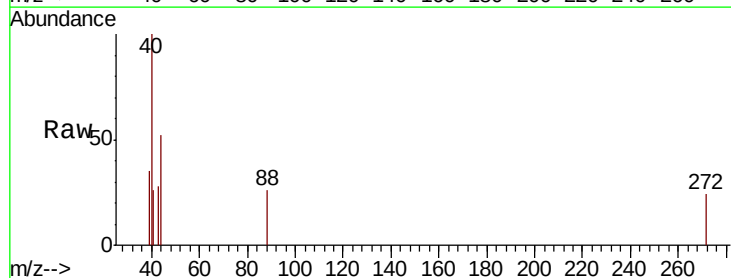


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

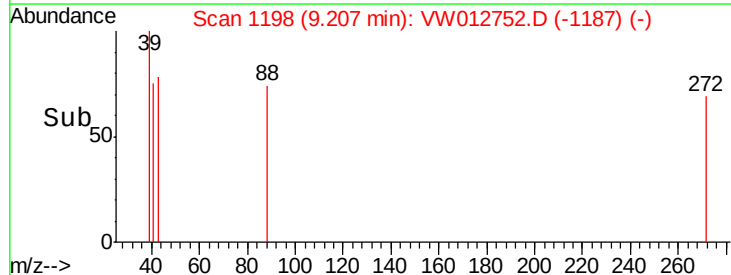
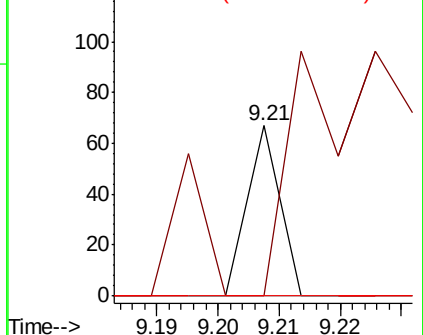


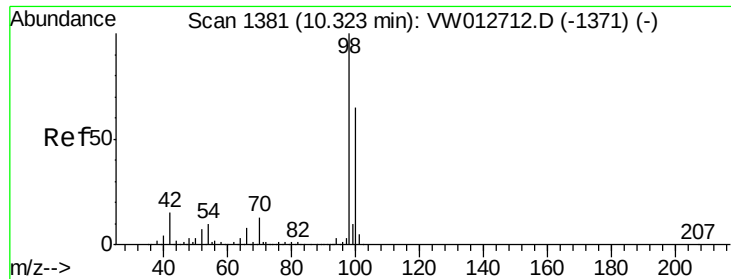
#49
1,4-Dioxane
Concen: 1.015 ug/l
RT: 9.21 min Scan# 1198
Delta R.T. -0.23 min
Lab File: VW012752.D
Acq: 08 Sep 2019 07:07

Tgt Ion:	88	Resp:	25
Ion	Ratio	Lower	Upper
88	100		
43	468.0	34.8	52.2#
58	0.0	64.1	96.1#



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: 51.816 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012752.D

Acq: 08 Sep 2019 07:07

Instrument :

MSVOA_W

ClientSampleId :

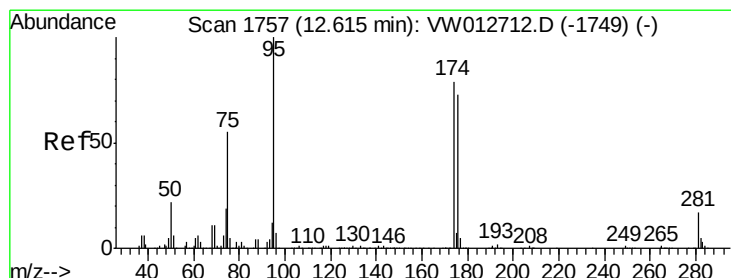
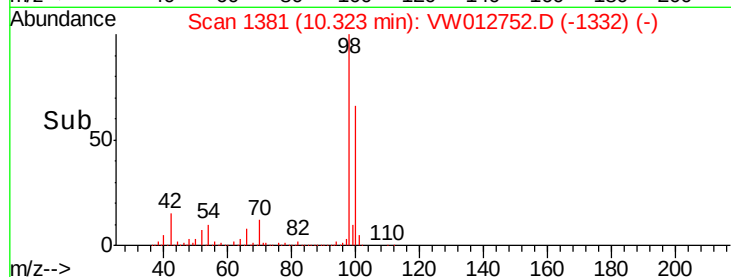
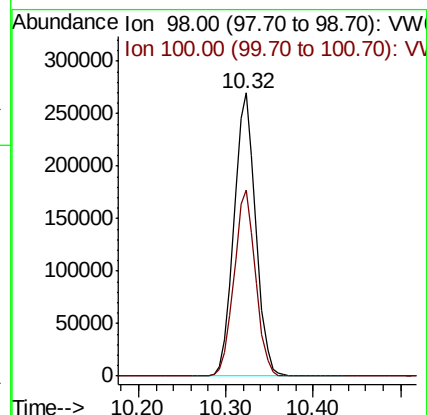
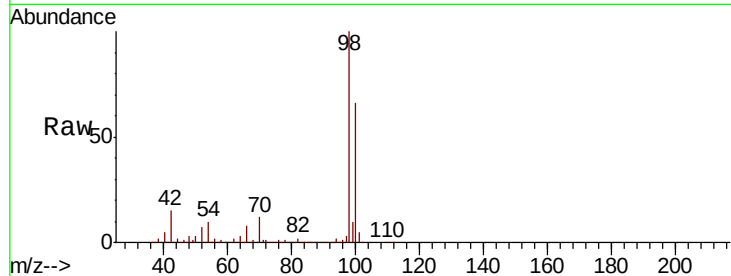
SB-21-7.5-8.0

Tgt Ion: 98 Resp: 464958

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 44.283 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012752.D

Acq: 08 Sep 2019 07:07

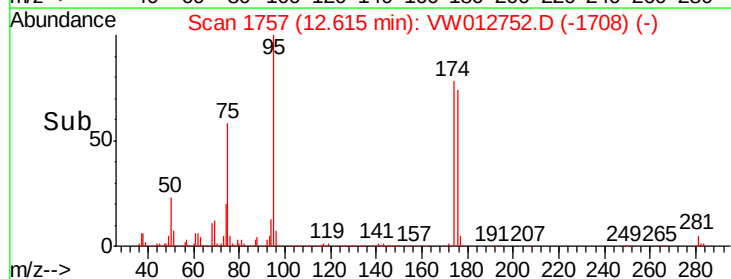
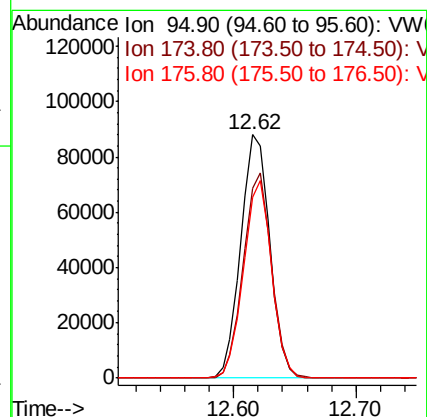
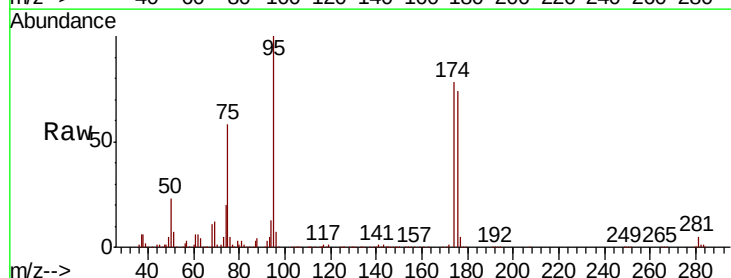
Tgt Ion: 95 Resp: 144253

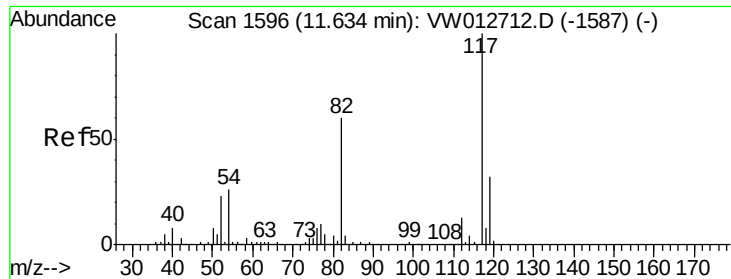
Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.0

176 78.9 0.0 156.4

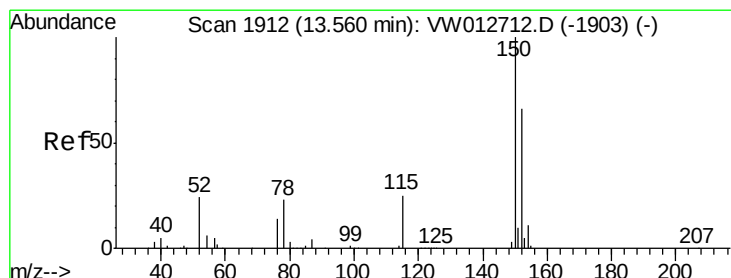
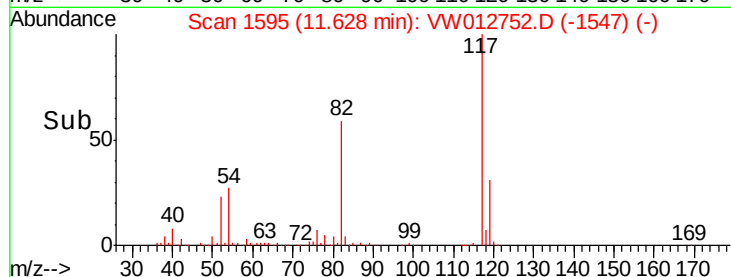
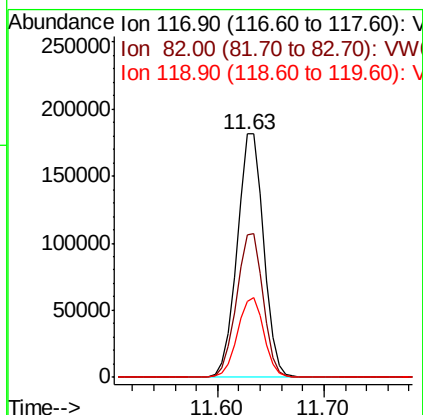
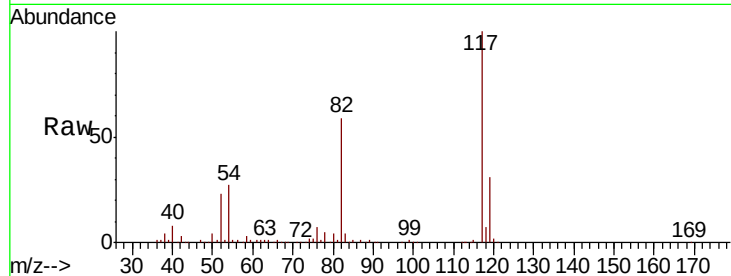




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012752.D
Acq: 08 Sep 2019 07:07

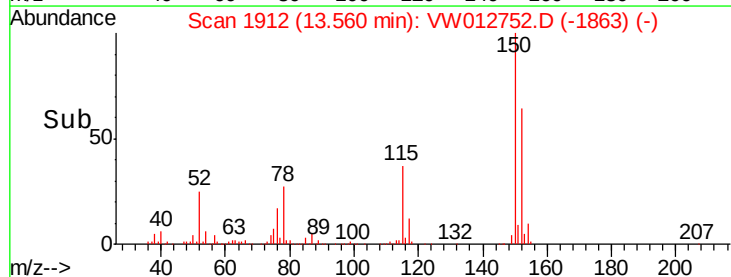
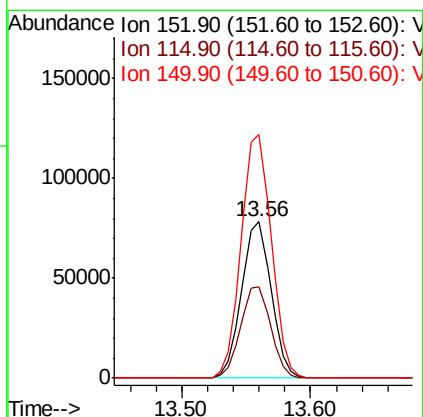
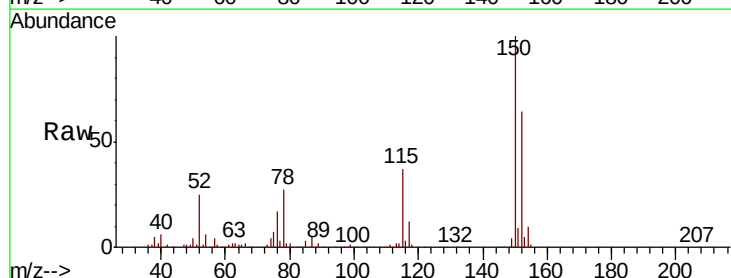
Instrument :
MSVOA_W
ClientSampleId :
SB-21-7.5-8.0

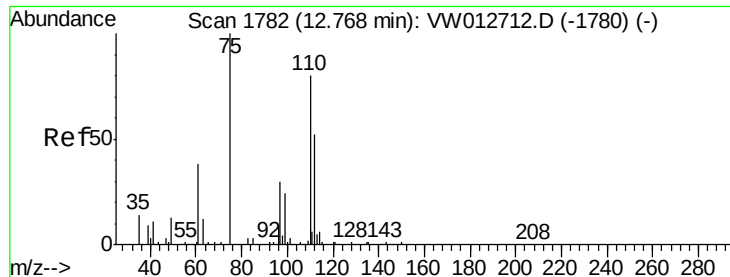
Tgt Ion:117 Resp: 316951
Ion Ratio Lower Upper
117 100
82 58.7 48.2 72.4
119 31.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012752.D
Acq: 08 Sep 2019 07:07

Tgt Ion:152 Resp: 124556
Ion Ratio Lower Upper
152 100
115 59.8 30.0 90.1
150 159.0 0.0 349.0

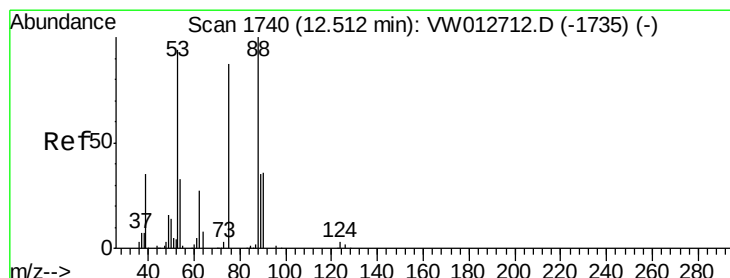
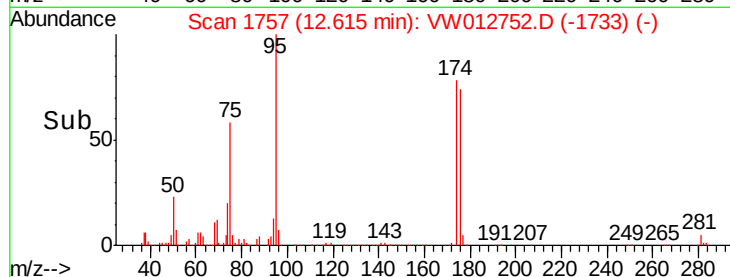
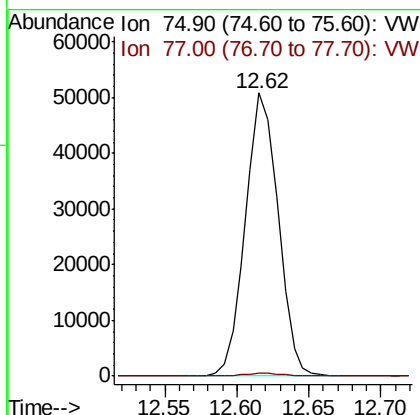
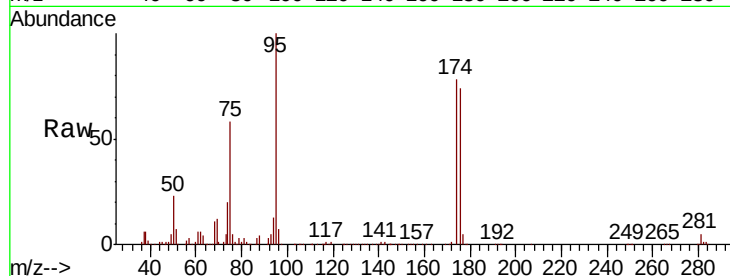




#76
 1,2,3-Trichloropropane
 Concen: 62.954 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012752.D
 Acq: 08 Sep 2019 07:07

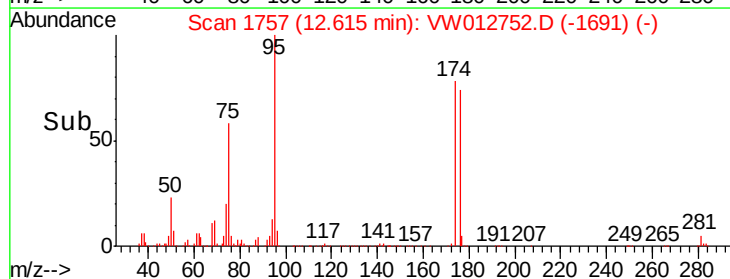
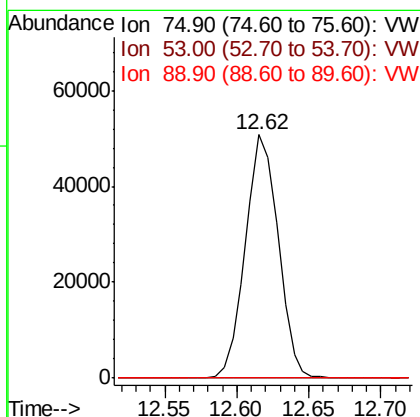
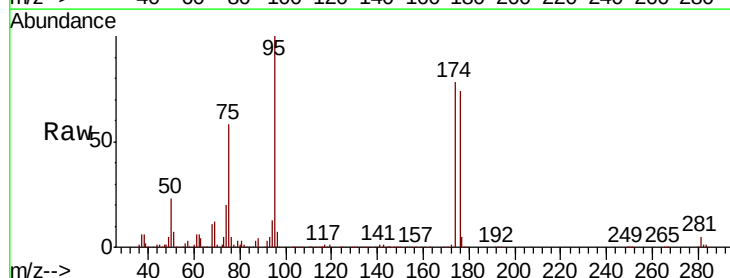
Instrument :
 MSVOA_W
 ClientSampled :
 SB-21-7.5-8.0

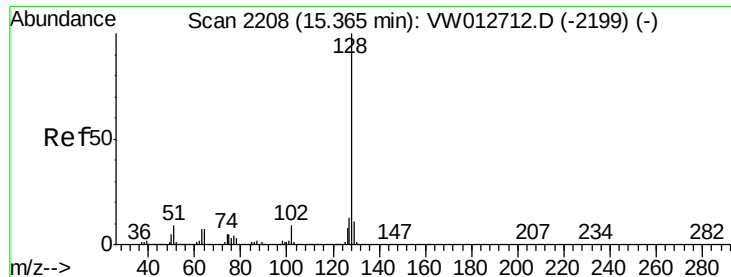
Tgt Ion: 75 Resp: 80181
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.152 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012752.D
 Acq: 08 Sep 2019 07:07

Tgt Ion: 75 Resp: 80181
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 35.5 53.3#





#95
Naphthalene
Concen: 9.582 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012752.D
Acq: 08 Sep 2019 07:07

Instrument :
MSVOA_W
ClientSampleId :
SB-21-7.5-8.0

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	11.3	8.7	13.1

