

Data File : VW012112.D
Acq On : 22 Aug 2019 15:51
Operator : SY/VA
Sample : K4461-05
Misc : 4.98G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-03-10.5-11.0

Quant Time: Aug 23 08:00:47 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	247920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	413447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	345110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	141385	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	155416	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
35) Dibromofluoromethane	7.88	113	124703	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	
50) Toluene-d8	10.32	98	503648	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.62	95	164108	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	

Target Compounds

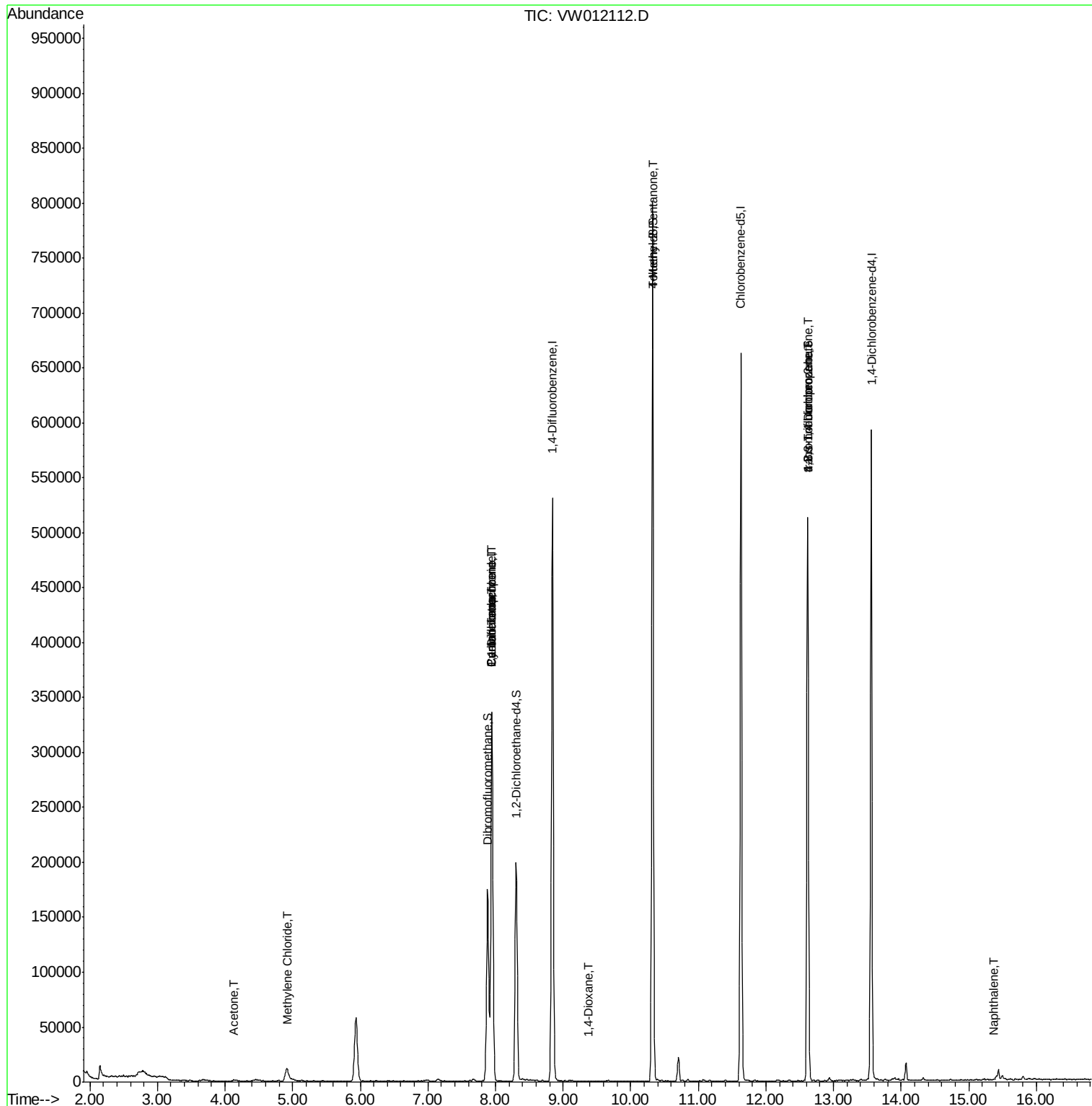
					Qvalue	
11) Tert butyl alcohol	5.15	59	185	Below Cal	#	72
16) Acetone	4.14	43	2505	2.766	ug/l	90
20) Methylene Chloride	4.92	84	8423	2.697	ug/l	92
31) Cyclohexane	7.95	56	6404	1.203	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	21681	5.043	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24700	6.711	ug/l #	16
49) 1,4-Dioxane	9.38	88	26	1.221	ug/l #	1
51) 4-Methyl-2-Pentanone	10.32	43	2911	1.230	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	87721	58.636	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	87721	135.137	ug/l #	6
95) Naphthalene	15.37	128	194	2.099	ug/l #	69

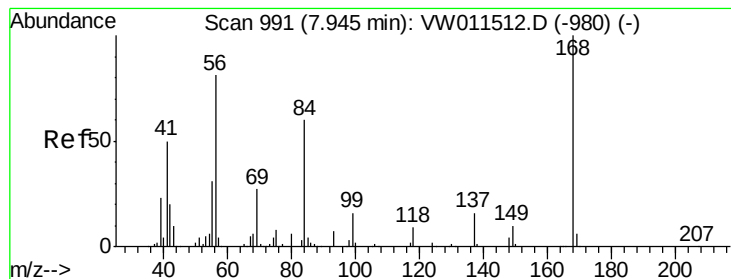
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012112.D

Acq: 22 Aug 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

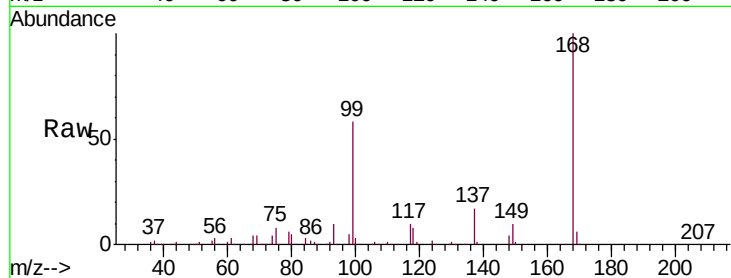
SB-03-10.5-11.0

Tgt Ion:168 Resp: 247920

Ion Ratio Lower Upper

168 100

99 57.8 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

120000

100000

80000

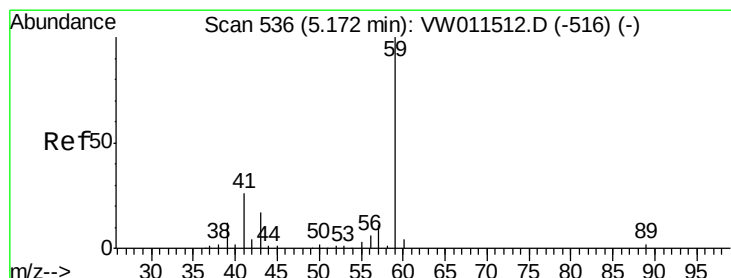
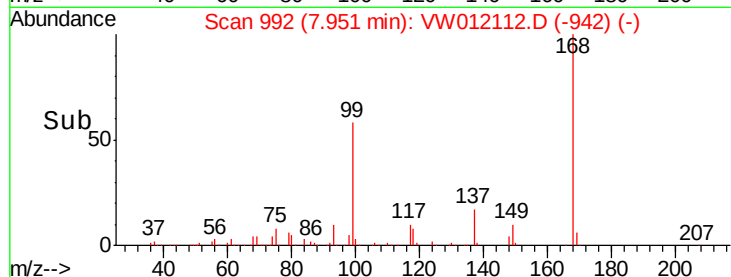
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 533

Delta R.T. -0.02 min

Lab File: VW012112.D

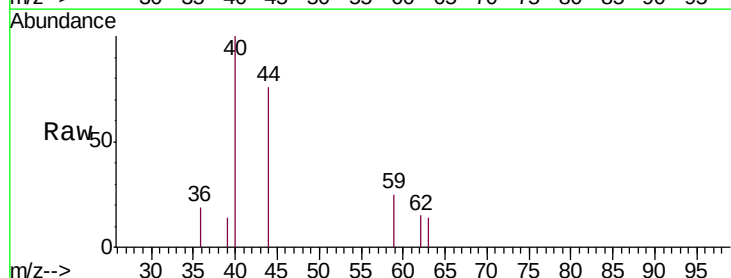
Acq: 22 Aug 2019 15:51

Tgt Ion: 59 Resp: 185

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

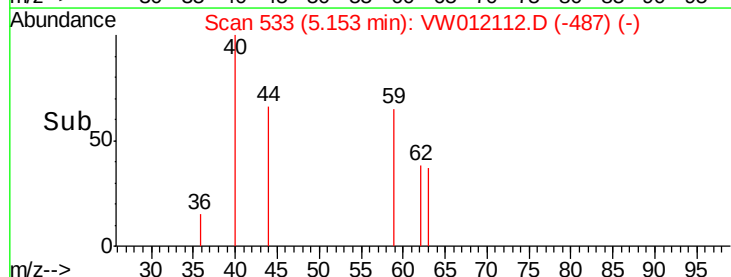
150

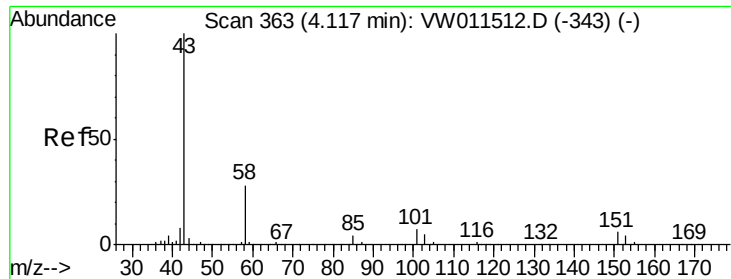
100

50

0

Time--> 5.12 5.14 5.16 5.18

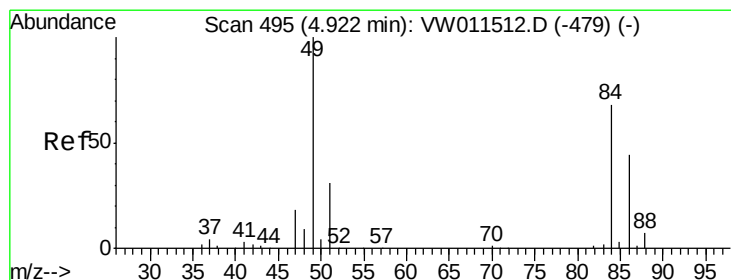
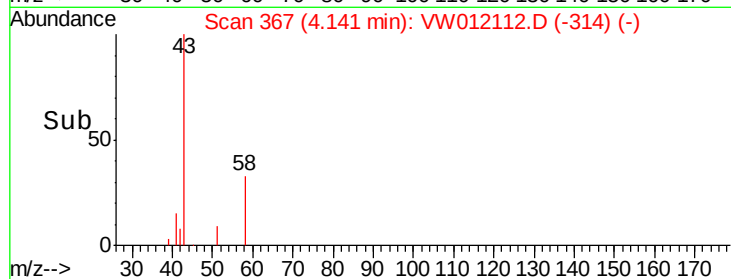
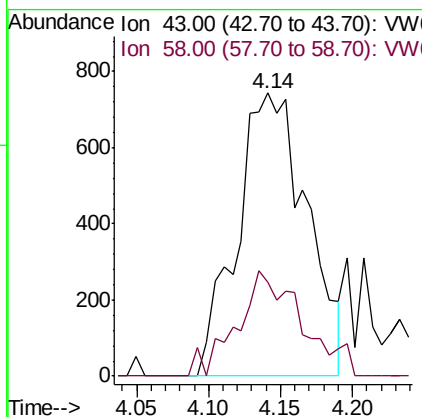
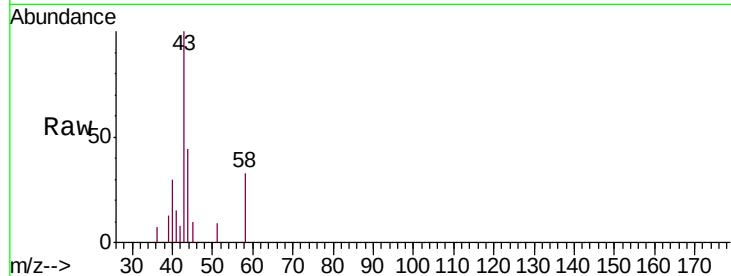




#16
Acetone
Concen: 2.766 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012112.D
Acq: 22 Aug 2019 15:51

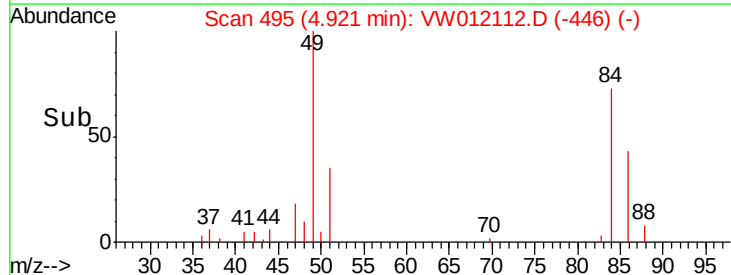
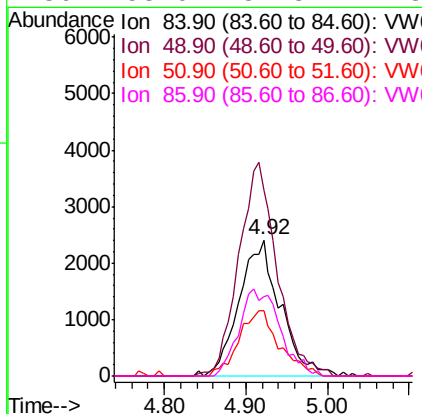
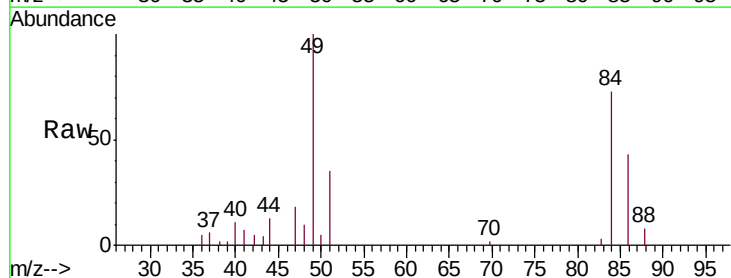
Instrument :
MSVOA_W
ClientSampleId :
SB-03-10.5-11.0

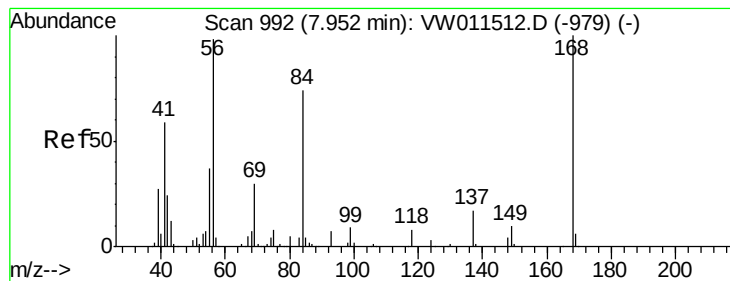
Tgt Ion: 43 Resp: 2505
Ion Ratio Lower Upper
43 100
58 33.1 22.3 33.5



#20
Methylene Chloride
Concen: 2.697 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW012112.D
Acq: 22 Aug 2019 15:51

Tgt Ion: 84 Resp: 8423
Ion Ratio Lower Upper
84 100
49 136.3 117.8 176.6
51 48.1 37.0 55.4
86 58.0 51.8 77.8





#31

Cyclohexane

Concen: 1.203 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012112.D

Acq: 22 Aug 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

SB-03-10.5-11.0

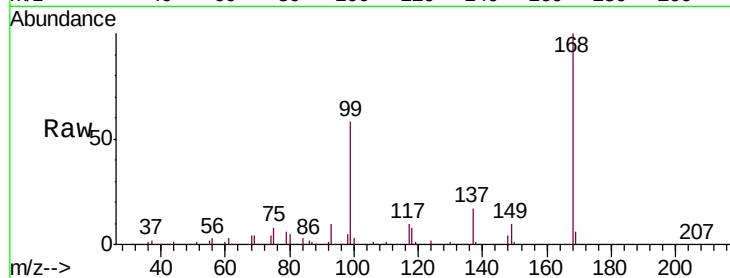
Tgt Ion: 56 Resp: 6404

Ion Ratio Lower Upper

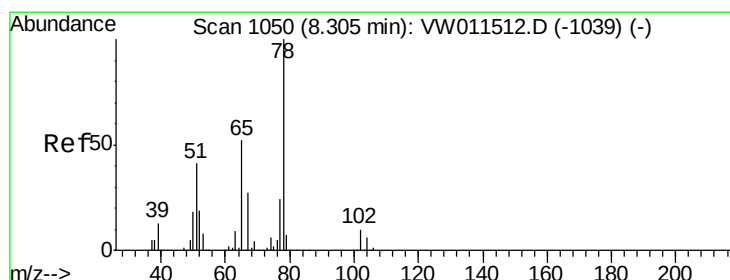
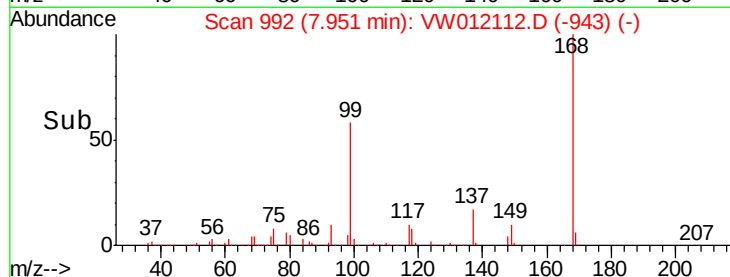
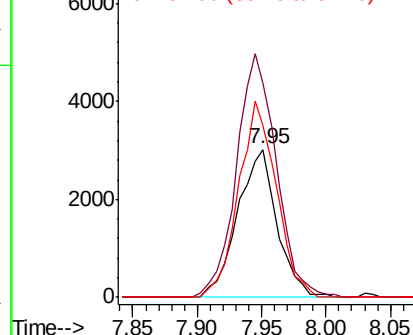
56 100

69 144.9 24.3 36.5#

84 116.6 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: 54.593 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012112.D

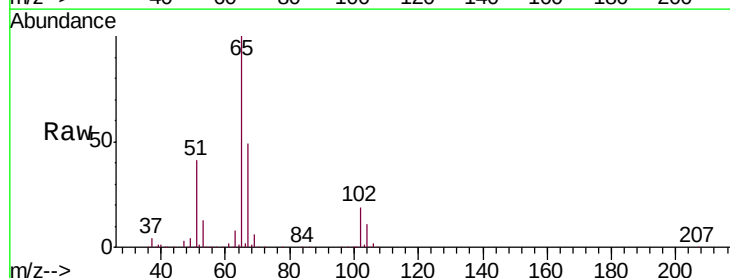
Acq: 22 Aug 2019 15:51

Tgt Ion: 65 Resp: 155416

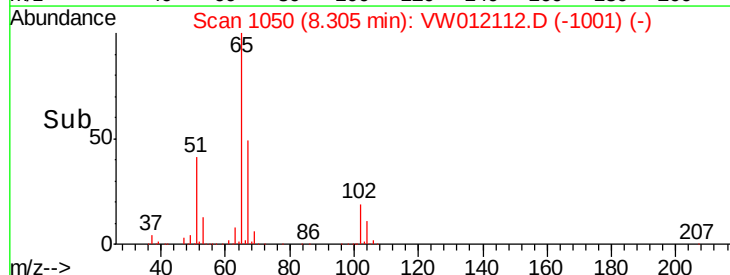
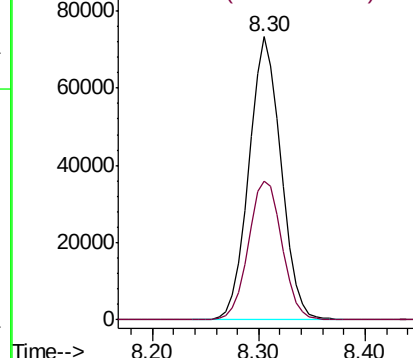
Ion Ratio Lower Upper

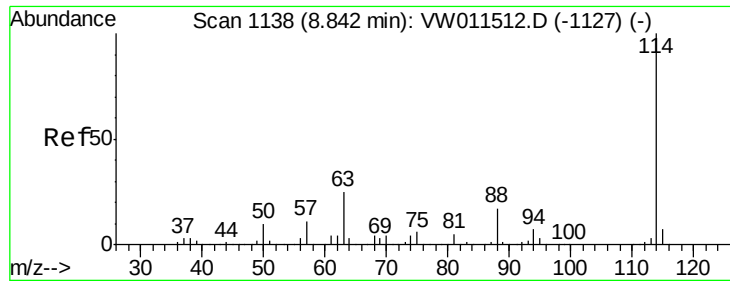
65 100

67 51.3 0.0 105.2



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

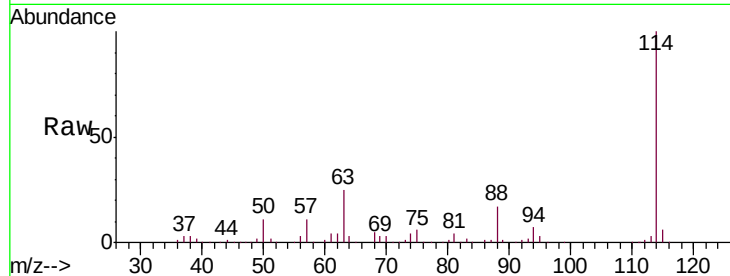




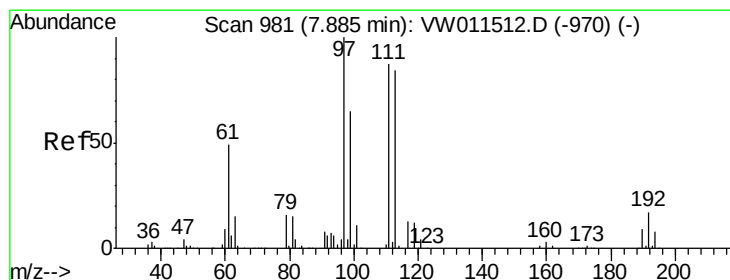
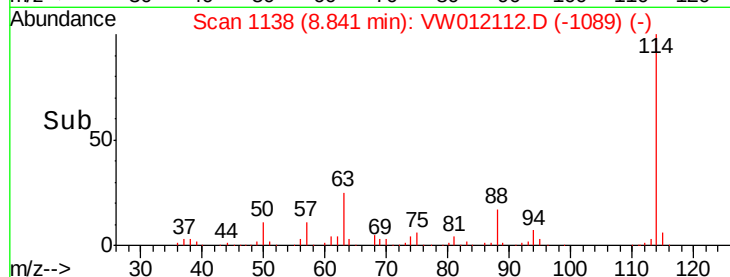
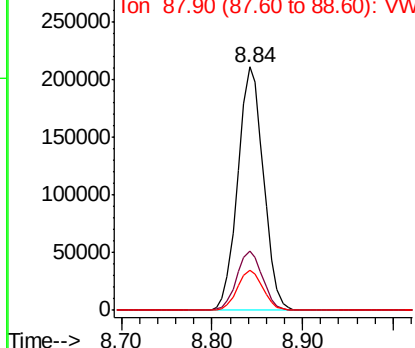
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012112.D
 Acq: 22 Aug 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-03-10.5-11.0

Tgt Ion:114 Resp: 413447
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 16.7 0.0 33.8

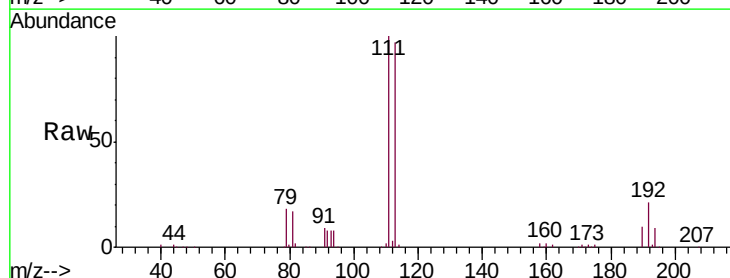


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

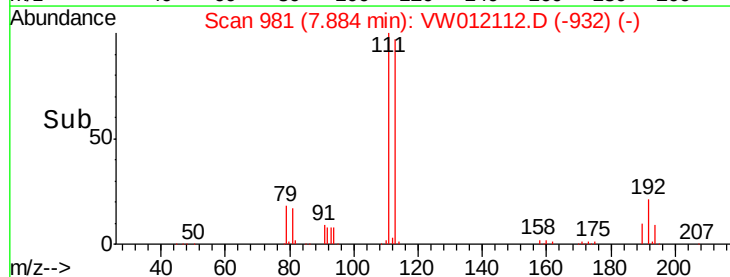
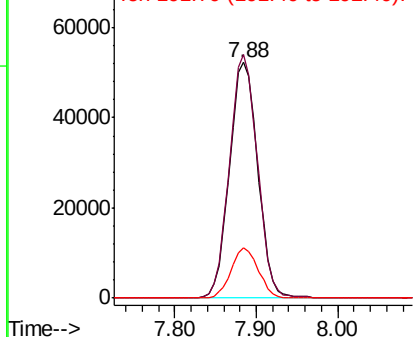


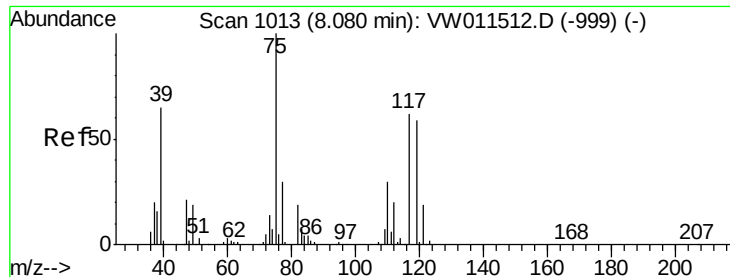
#35
 Dibromofluoromethane
 Concen: 53.763 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012112.D
 Acq: 22 Aug 2019 15:51

Tgt Ion:113 Resp: 124703
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.7 124.1
 192 20.6 16.1 24.1



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

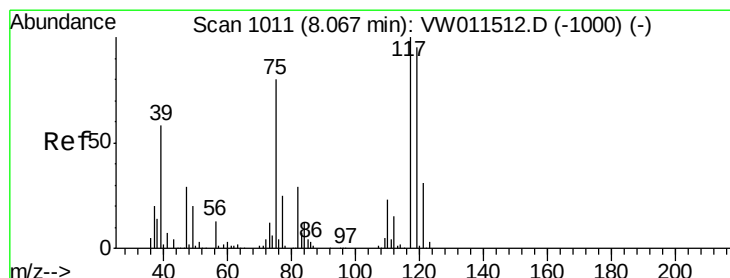
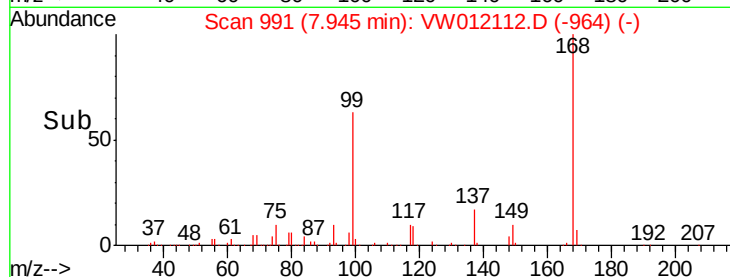
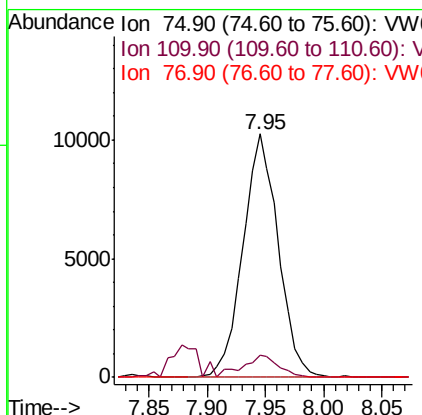
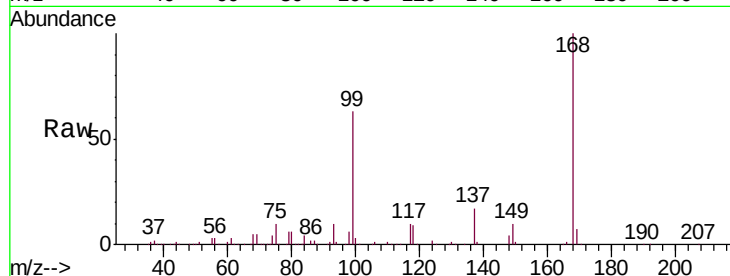




#36
 1,1-Dichloropropene
 Concen: 5.043 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012112.D
 Acq: 22 Aug 2019 15:51

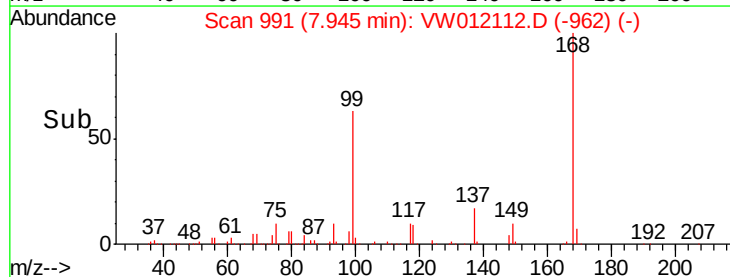
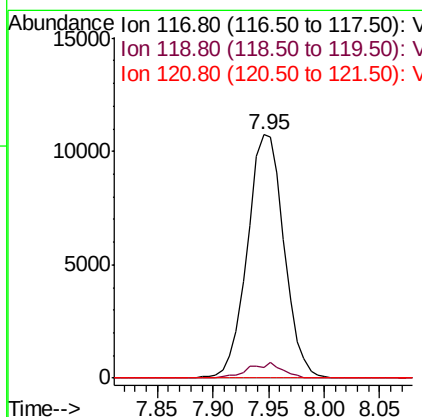
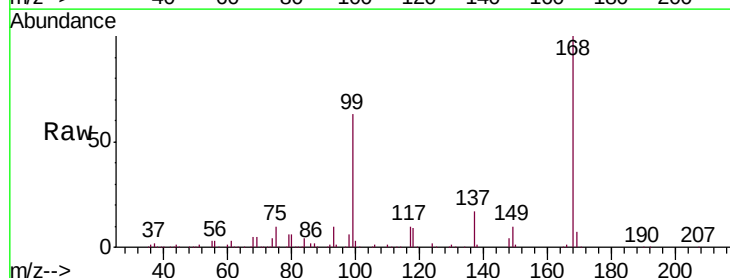
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-03-10.5-11.0

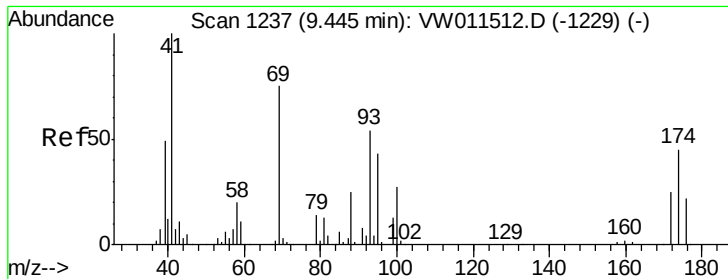
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.711 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012112.D
 Acq: 22 Aug 2019 15:51

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

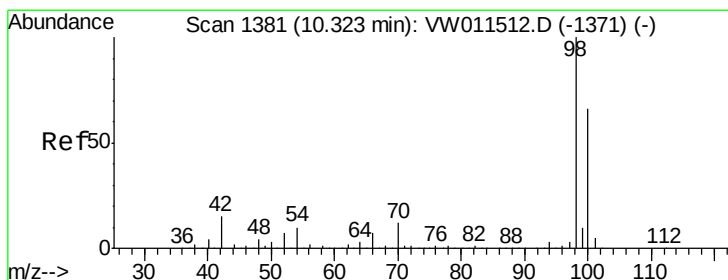
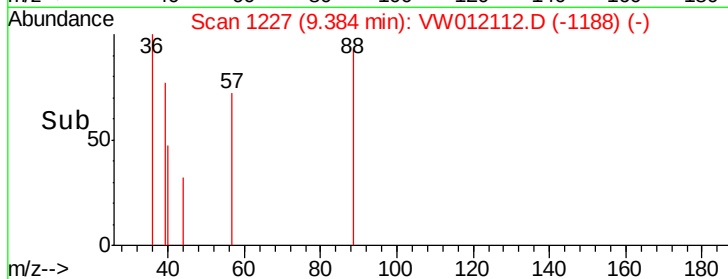
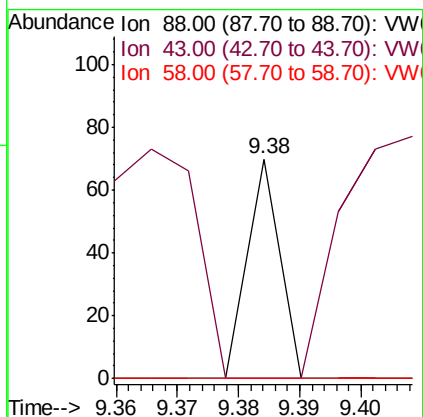
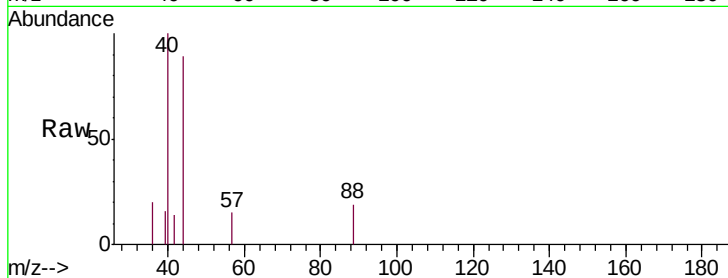




#49
1,4-Dioxane
Concen: 1.221 ug/l
RT: 9.38 min Scan# 1227
Delta R.T. -0.06 min
Lab File: VW012112.D
Acq: 22 Aug 2019 15:51

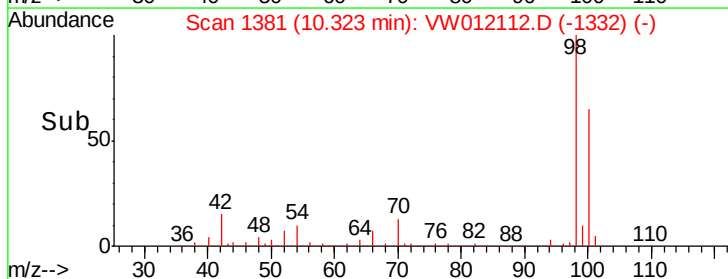
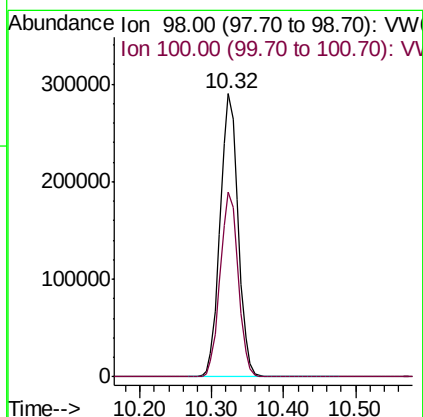
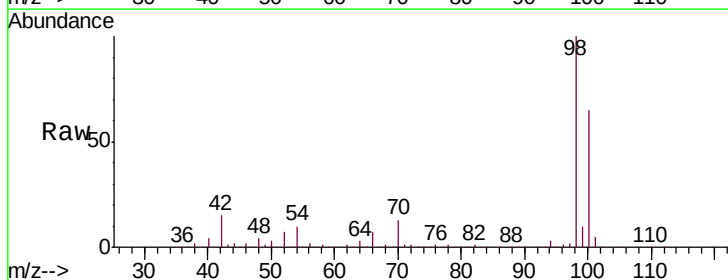
Instrument :
MSVOA_W
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SB-03-10.5-11.0

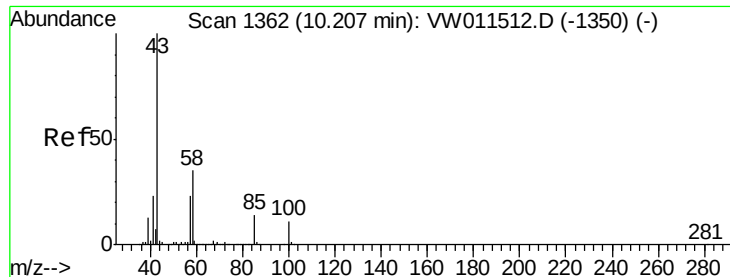
Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 365.4 34.0 51.0#
58 0.0 69.7 104.5#



#50
Toluene-d8
Concen: 53.034 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012112.D
Acq: 22 Aug 2019 15:51

Tgt Ion: 98 Resp: 503648
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 1.230 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW012112.D

Acq: 22 Aug 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

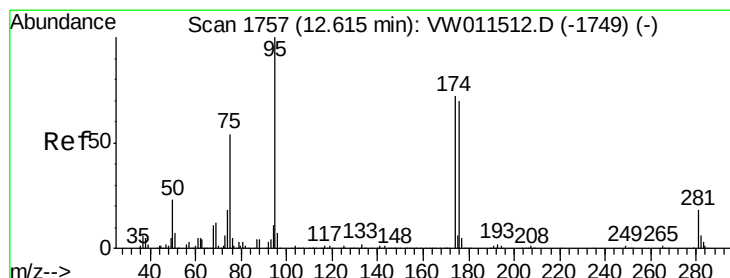
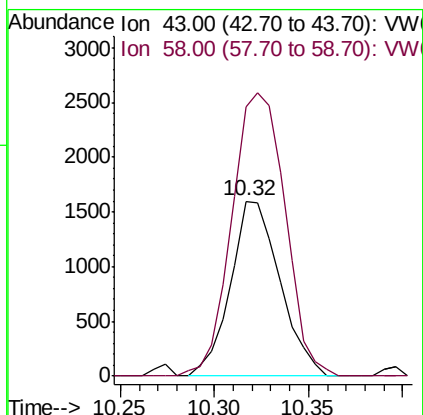
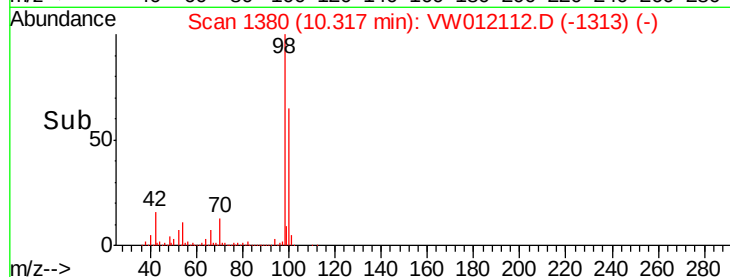
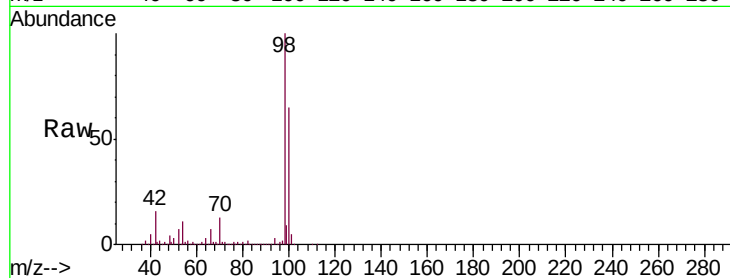
SB-03-10.5-11.0

Tgt Ion: 43 Resp: 2911

Ion Ratio Lower Upper

43 100

58 174.1 28.2 42.2#



#62

4-Bromofluorobenzene

Concen: 48.470 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012112.D

Acq: 22 Aug 2019 15:51

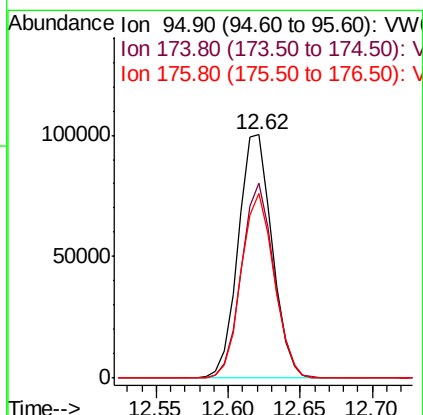
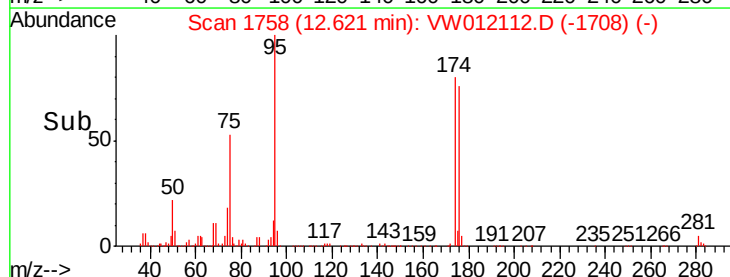
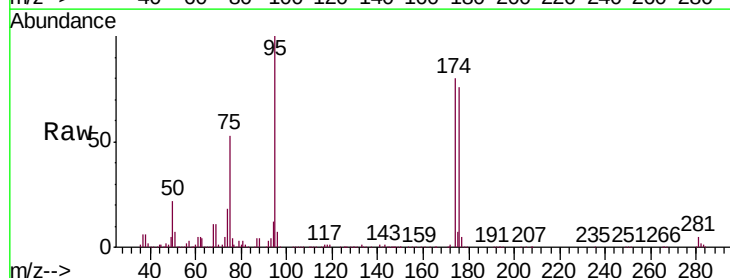
Tgt Ion: 95 Resp: 164108

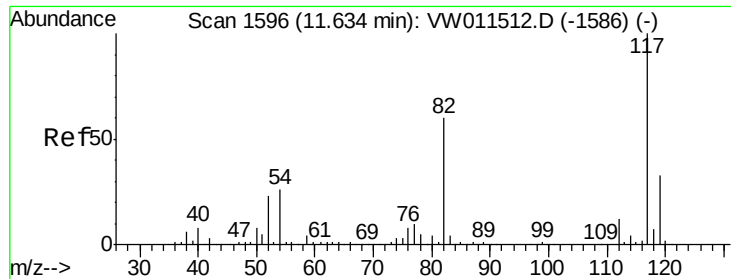
Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.2

176 73.5 0.0 144.4

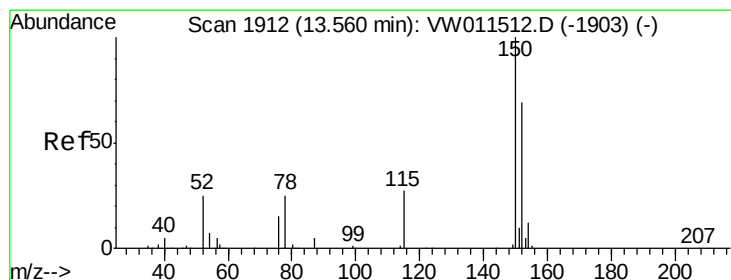
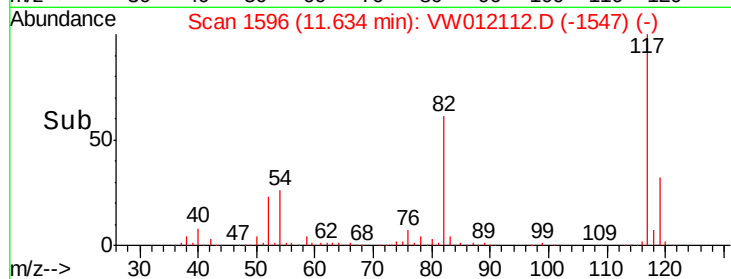
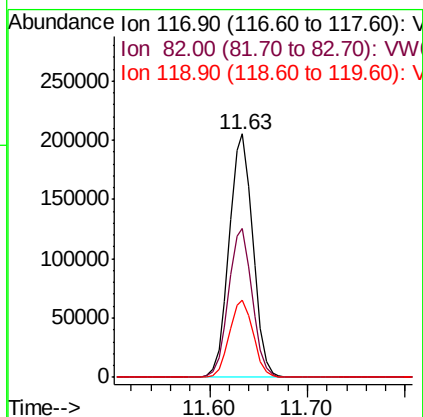
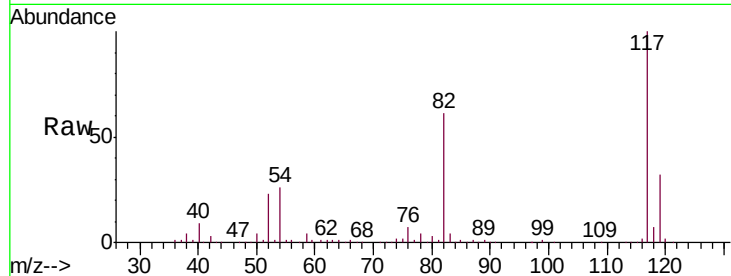




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012112.D
Acq: 22 Aug 2019 15:51

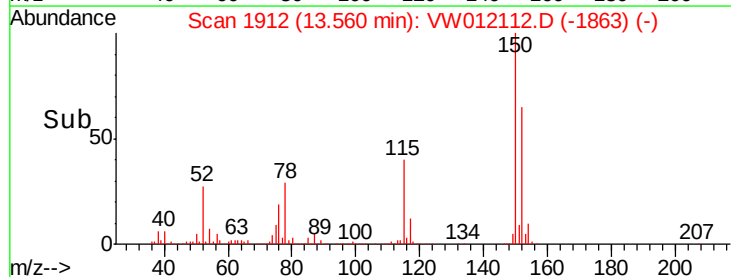
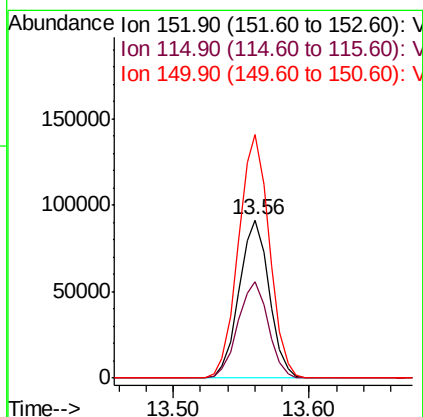
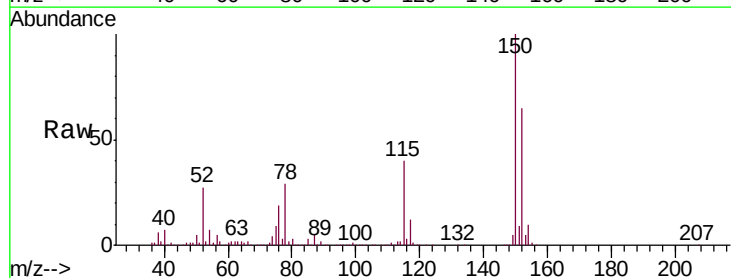
Instrument :
MSVOA_W
ClientSampleId :
SB-03-10.5-11.0

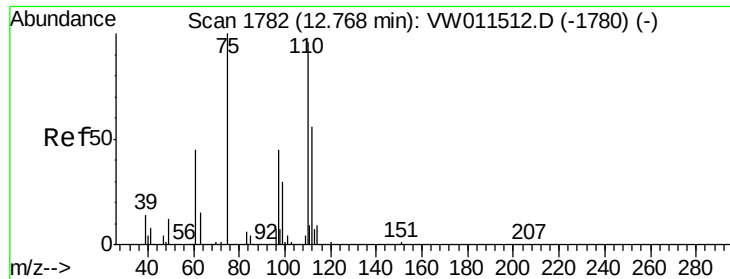
Tgt Ion:117 Resp: 345110
Ion Ratio Lower Upper
117 100
82 61.4 47.9 71.9
119 31.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012112.D
Acq: 22 Aug 2019 15:51

Tgt Ion:152 Resp: 141385
Ion Ratio Lower Upper
152 100
115 61.5 30.5 91.5
150 157.9 0.0 352.6

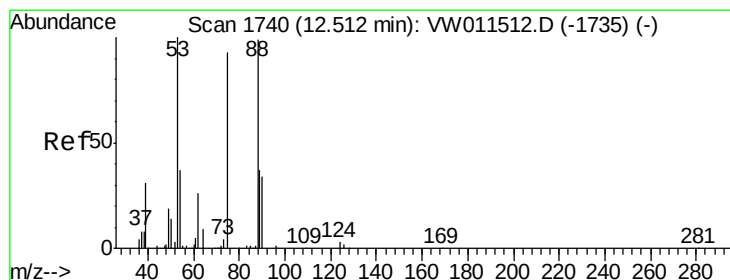
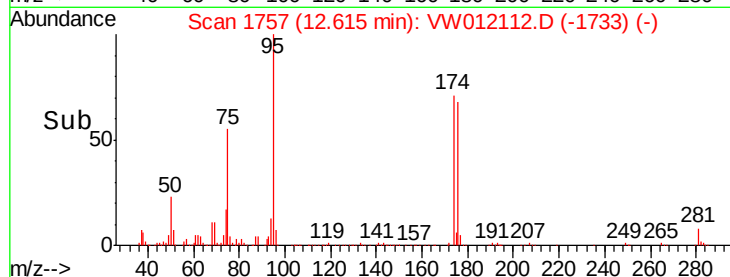
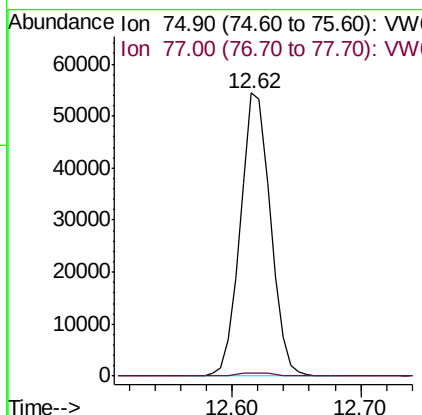
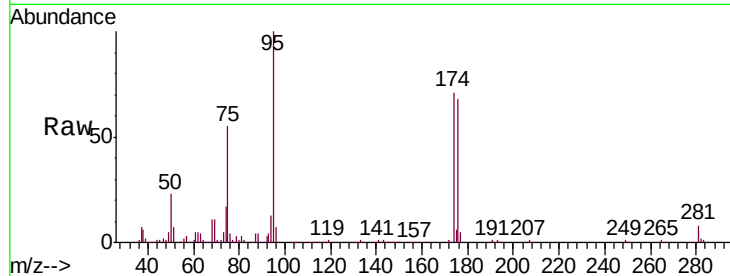




#76
 1,2,3-Trichloropropane
 Concen: 58.636 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012112.D
 Acq: 22 Aug 2019 15:51

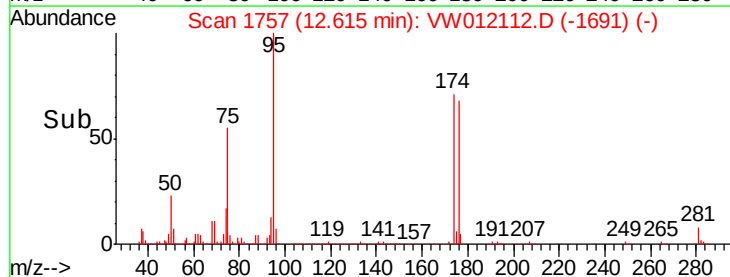
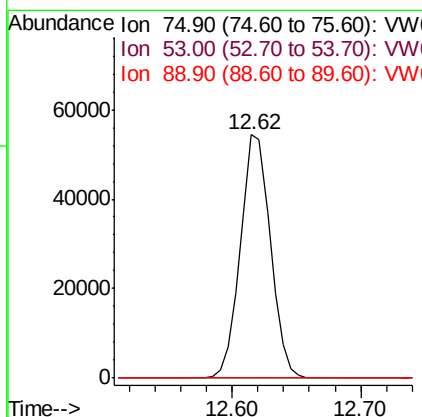
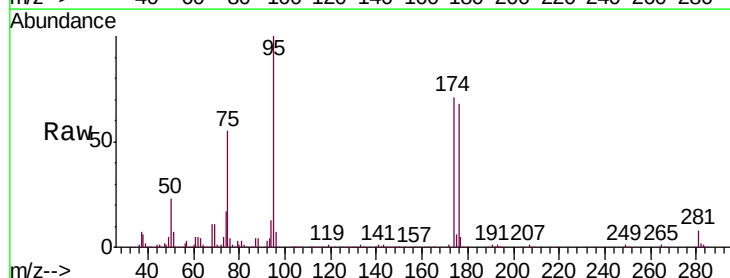
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-03-10.5-11.0

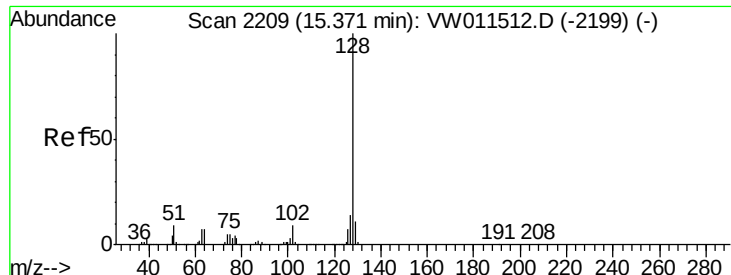
Tgt Ion: 75 Resp: 87721
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.137 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012112.D
 Acq: 22 Aug 2019 15:51

Tgt Ion: 75 Resp: 87721
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.0 132.0#
 89 0.0 35.3 52.9#

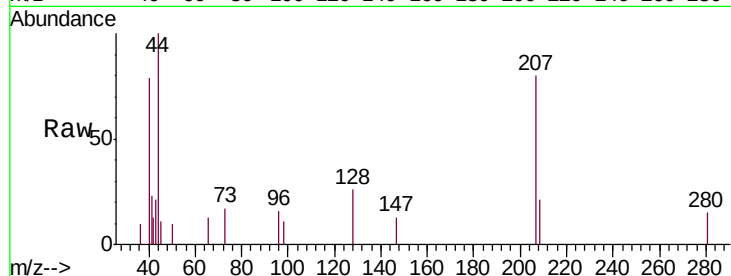




#95
Naphthalene
Concen: 2.099 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW012112.D
Acq: 22 Aug 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
SB-03-10.5-11.0

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



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

