

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090719\
 Data File : VW012756.D
 Acq On : 08 Sep 2019 08:50
 Operator : SY/VA
 Sample : K4636-13
 Misc : 5.10G/5ML/MSVOA_W/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-33-9.5-10.0

Quant Time: Sep 09 04:07:22 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	234060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	351302	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	267993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	84032	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	135071	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
35) Dibromofluoromethane	7.88	113	105551	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	10.32	98	416619	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.62	95	111838	37.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.30%	

Target Compounds

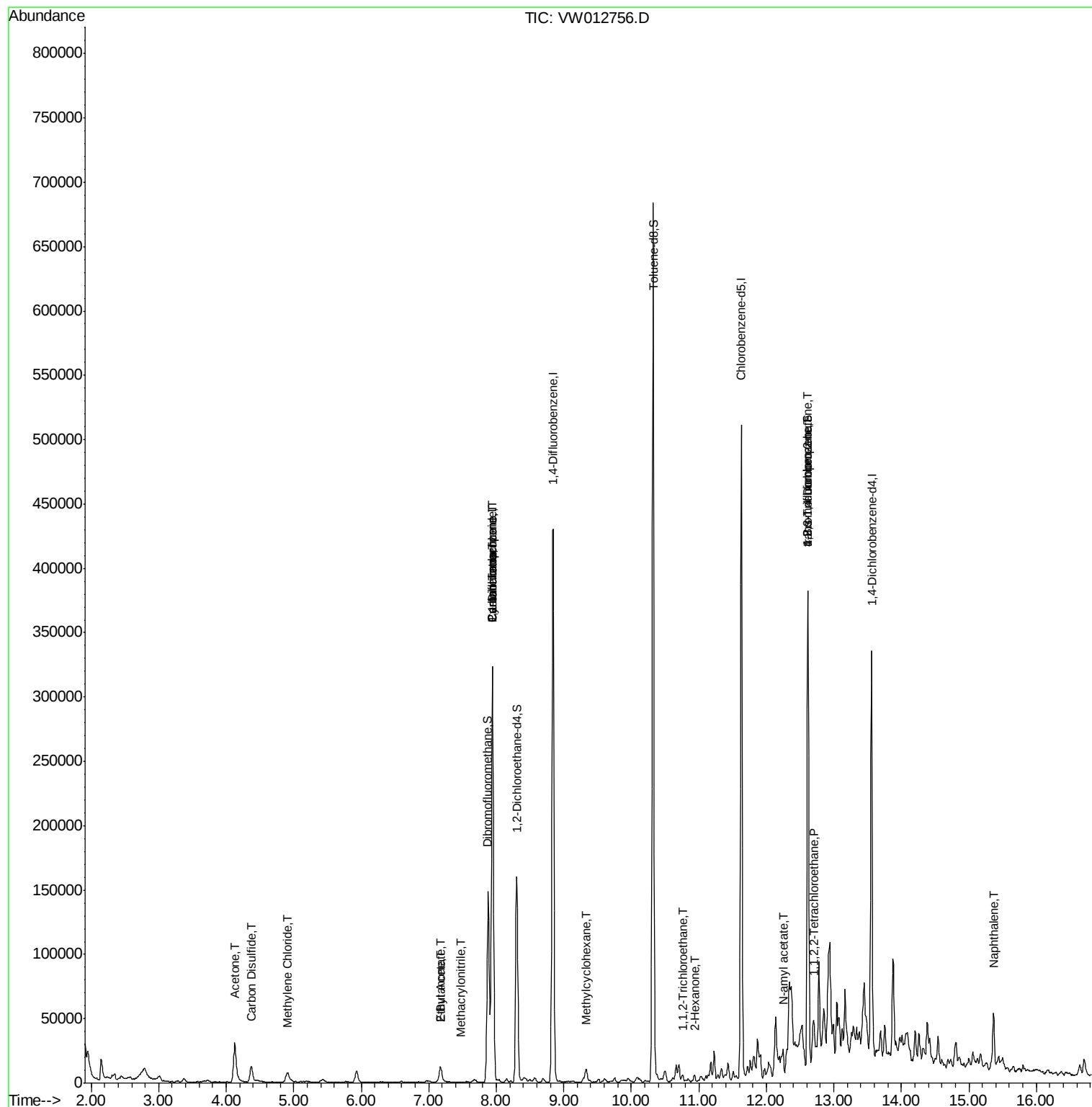
						Qvalue
16) Acetone	4.13	43	57906	81.219	ug/l	92
17) Carbon Disulfide	4.37	76	26408	6.436	ug/l	95
20) Methylene Chloride	4.92	84	5230	2.345	ug/l #	82
25) 2-Butanone	7.17	43	19115	36.456	ug/l	99
31) Cyclohexane	7.94	56	6665	1.734	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	19152	6.136	ug/l #	51
37) Ethyl Acetate	7.17	43	19115	9.606	ug/l #	73
38) Carbon Tetrachloride	7.95	117	23526	7.646	ug/l #	16
39) Methylcyclohexane	9.34	83	3614	1.031	ug/l	95
41) Methacrylonitrile	7.47	41	71	3.887	ug/l #	27
55) 1,1,2-Trichloroethane	10.76	97	2009	1.180	ug/l #	20
59) 2-Hexanone	10.94	43	2322	1.607	ug/l #	30
74) N-amyl acetate	12.25	43	5002	2.615	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.69	83	1558	1.287	ug/l #	67
76) 1,2,3-Trichloropropane	12.62	75	61557	71.639	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61557	151.522	ug/l #	7
95) Naphthalene	15.36	128	37404	14.107	ug/l	99

(#) = 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: VW012756.D

Acq: 08 Sep 2019 08:50

Instrument :

MSVOA_W

ClientSampleId :

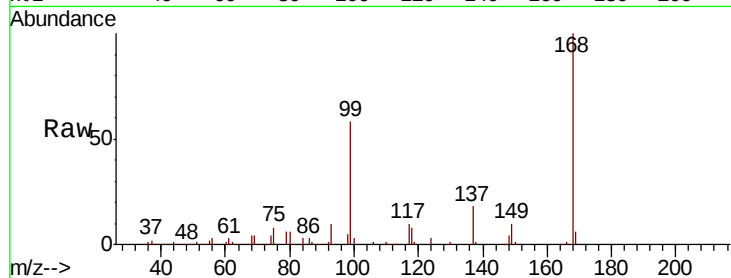
SB-33-9.5-10.0

Tgt Ion:168 Resp: 234060

Ion Ratio Lower Upper

168 100

99 58.4 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

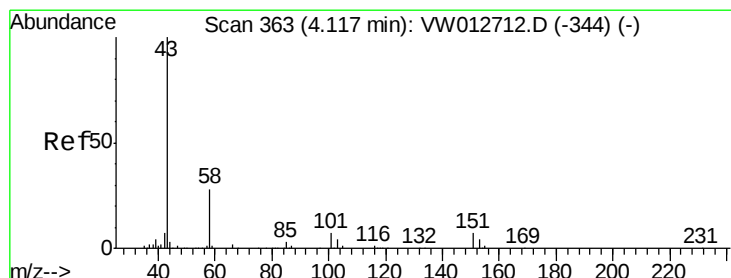
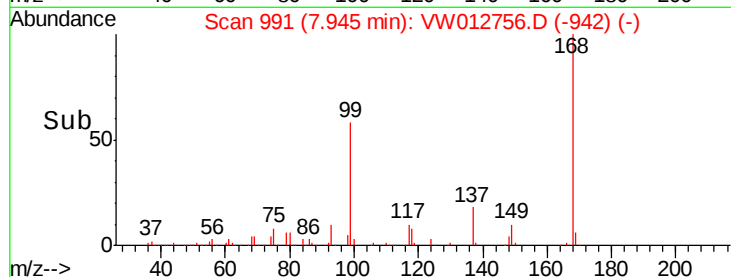
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 81.219 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012756.D

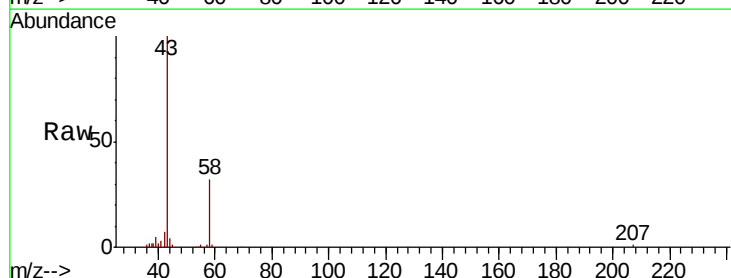
Acq: 08 Sep 2019 08:50

Tgt Ion: 43 Resp: 57906

Ion Ratio Lower Upper

43 100

58 32.2 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

20000

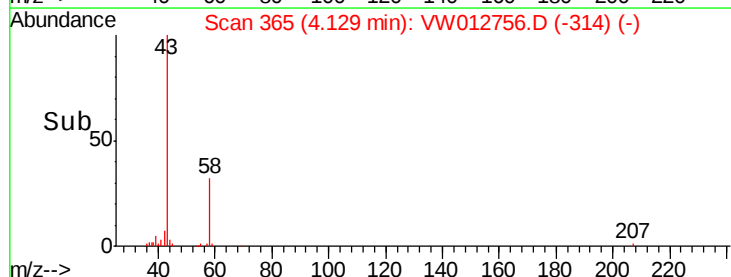
15000

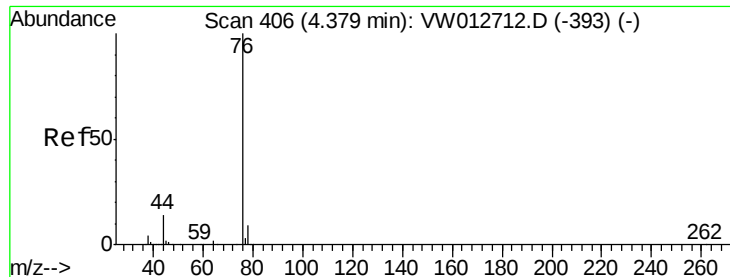
10000

5000

0

Time--> 4.00 4.10 4.20 4.30





#17

Carbon Disulfide

Concen: 6.436 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012756.D

Acq: 08 Sep 2019 08:50

Instrument :

MSVOA_W

ClientSampleId :

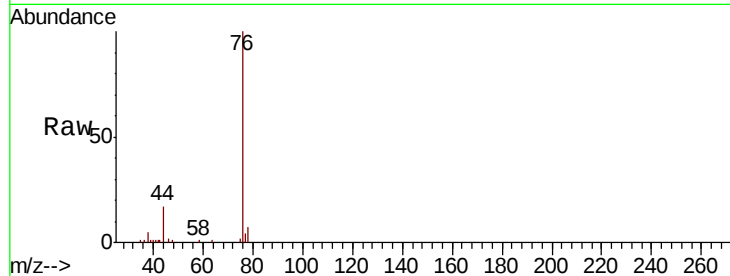
SB-33-9.5-10.0

Tgt Ion: 76 Resp: 26408

Ion Ratio Lower Upper

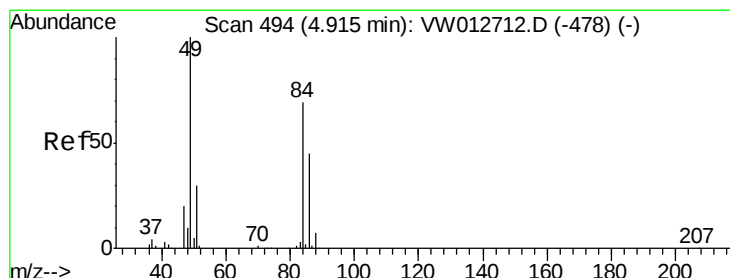
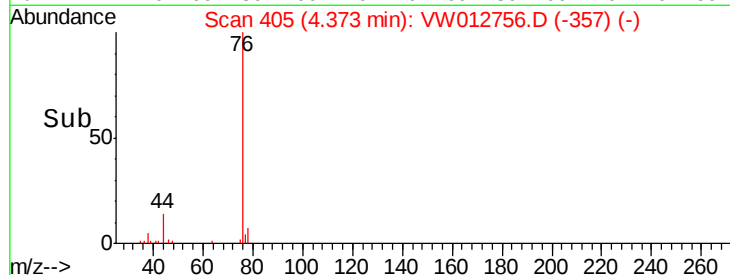
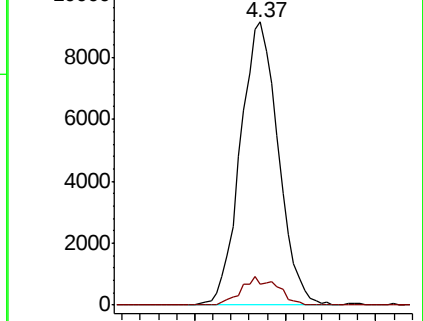
76 100

78 7.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 2.345 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW012756.D

Acq: 08 Sep 2019 08:50

Tgt Ion: 84 Resp: 5230

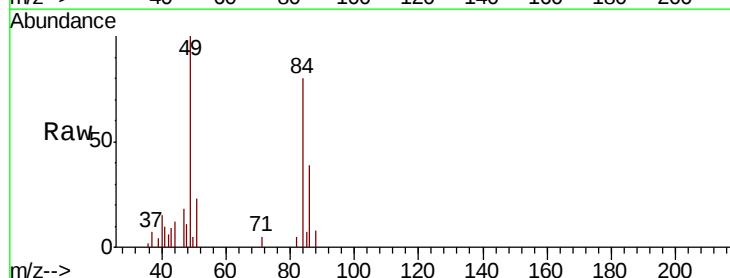
Ion Ratio Lower Upper

84 100

49 125.3 115.4 173.0

51 28.6 34.9 52.3#

86 49.4 52.2 78.4#

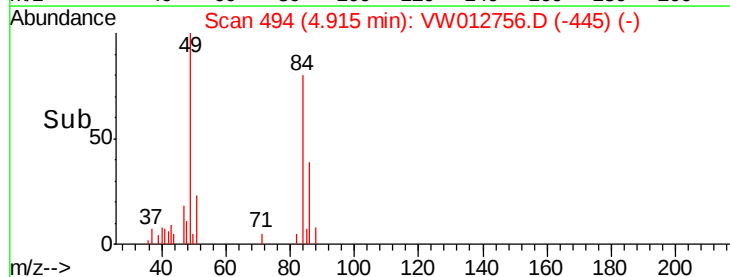
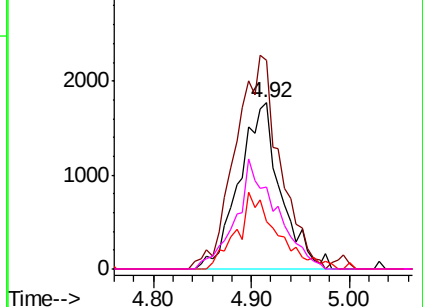


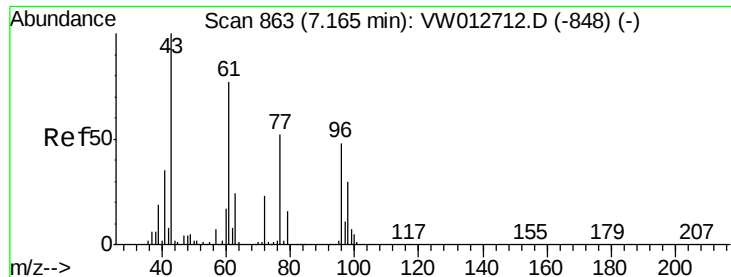
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 36.456 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012756.D

Acq: 08 Sep 2019 08:50

Instrument :

MSVOA_W

ClientSampleId :

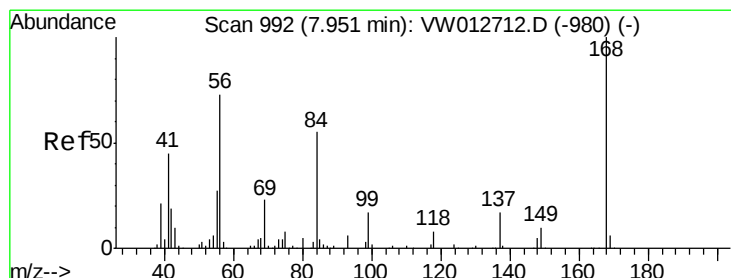
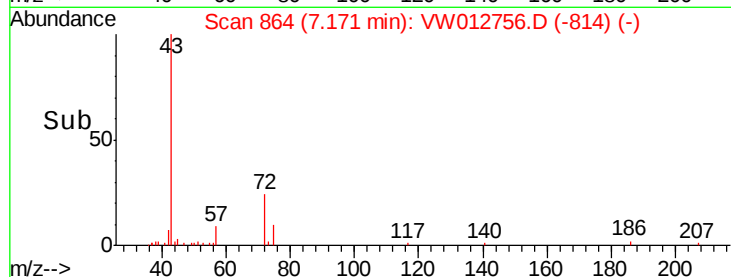
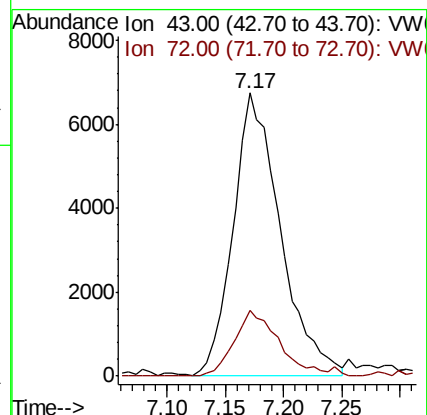
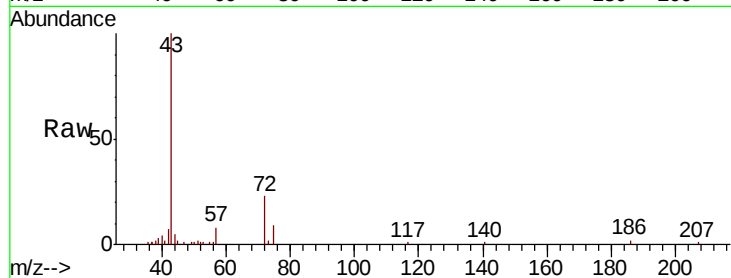
SB-33-9.5-10.0

Tgt Ion: 43 Resp: 19115

Ion Ratio Lower Upper

43 100

72 23.2 18.0 27.0



#31

Cyclohexane

Concen: 1.734 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012756.D

Acq: 08 Sep 2019 08:50

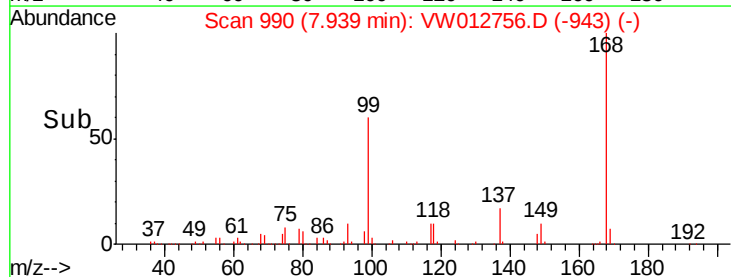
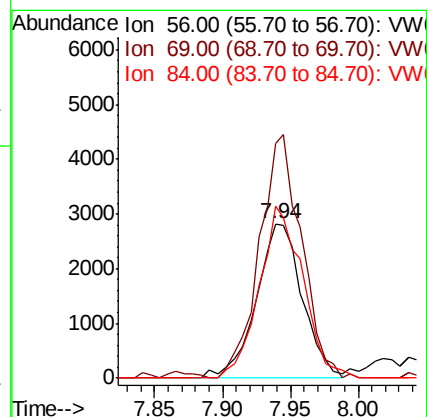
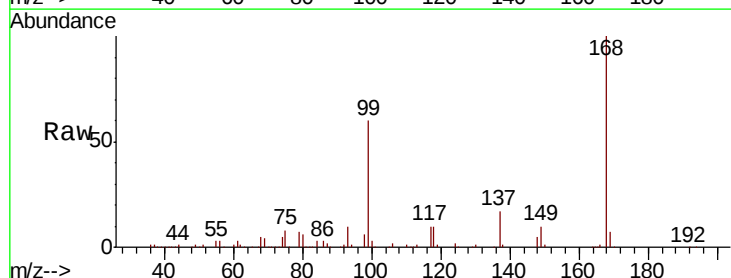
Tgt Ion: 56 Resp: 6665

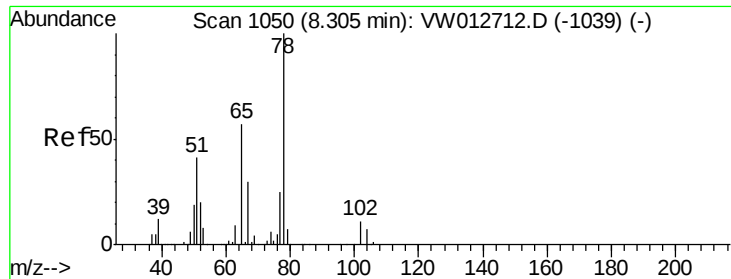
Ion Ratio Lower Upper

56 100

69 152.5 25.7 38.5#

84 111.4 60.4 90.6#

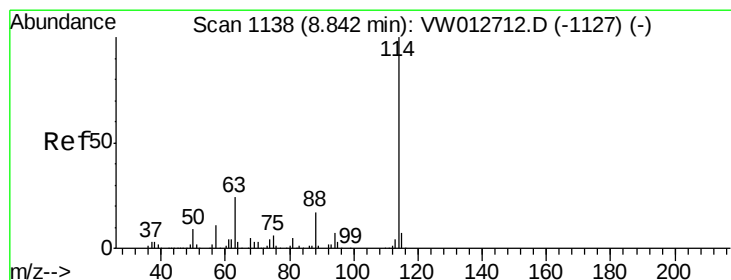
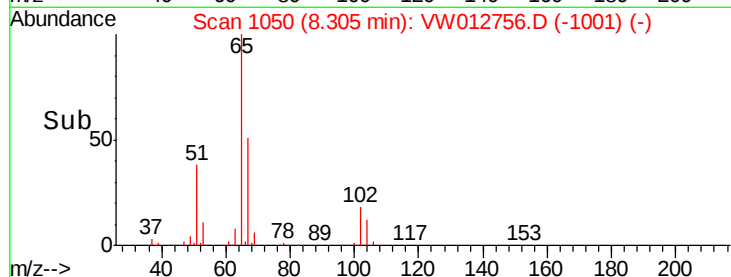
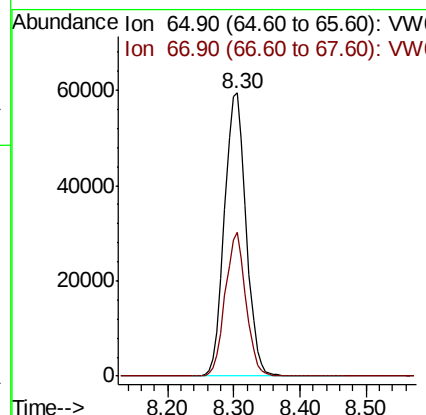
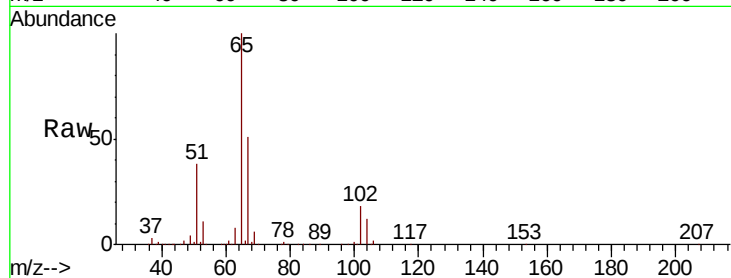




#33
 1,2-Dichloroethane-d4
 Concen: 51.648 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012756.D
 Acq: 08 Sep 2019 08:50

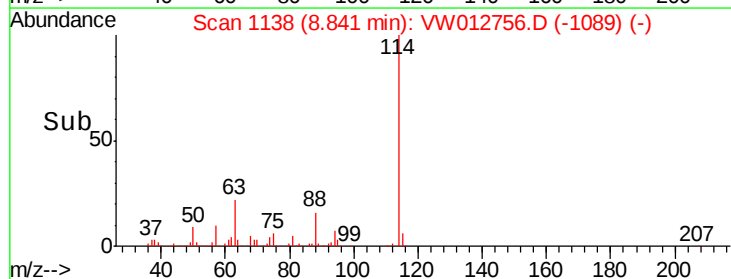
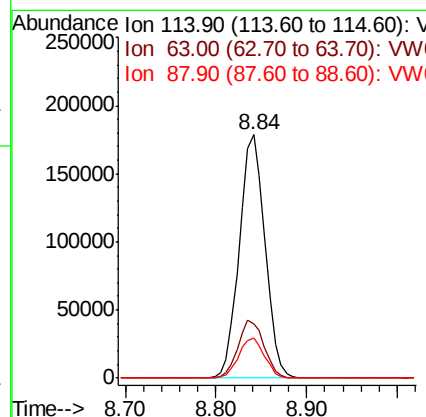
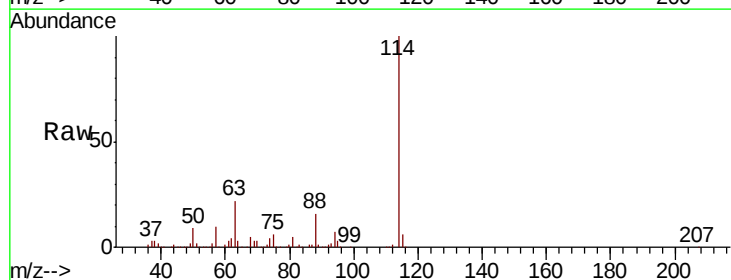
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-33-9.5-10.0

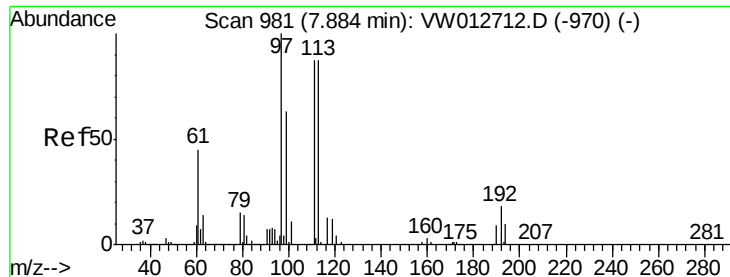
Tgt Ion: 65 Resp: 135071
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012756.D
 Acq: 08 Sep 2019 08:50

Tgt Ion: 114 Resp: 351302
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 47.2
 88 16.3 0.0 34.0

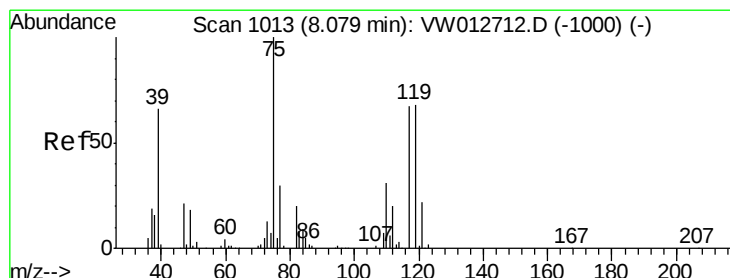
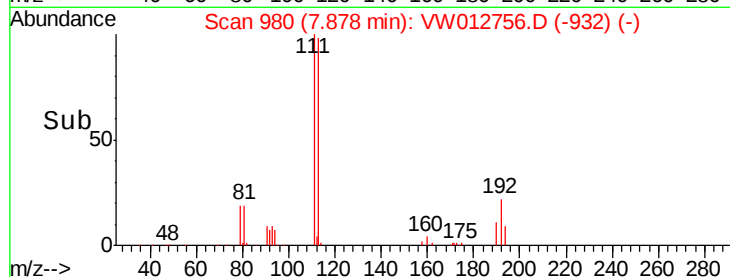
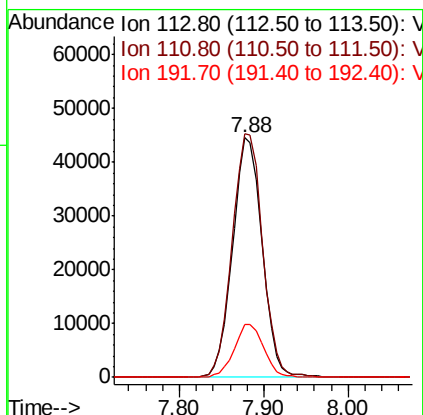
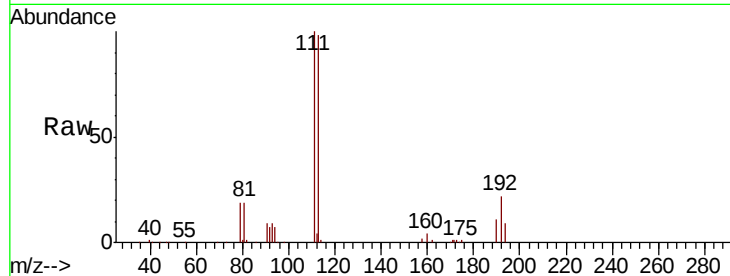




#35
 Dibromofluoromethane
 Concen: 50.537 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012756.D
 Acq: 08 Sep 2019 08:50

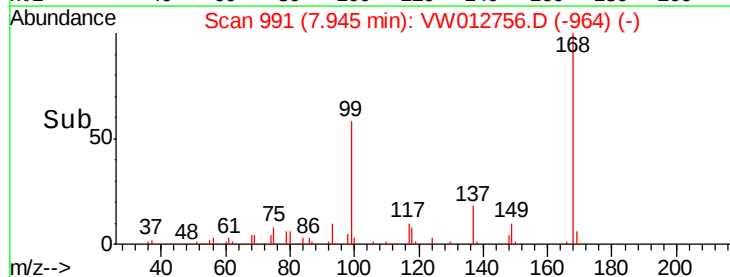
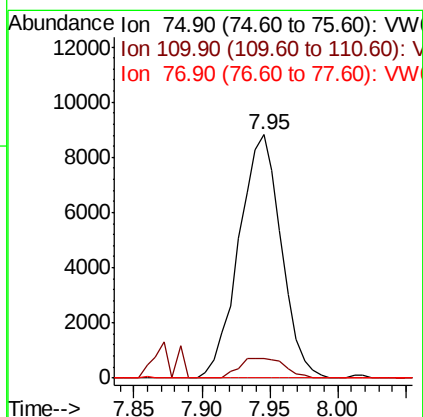
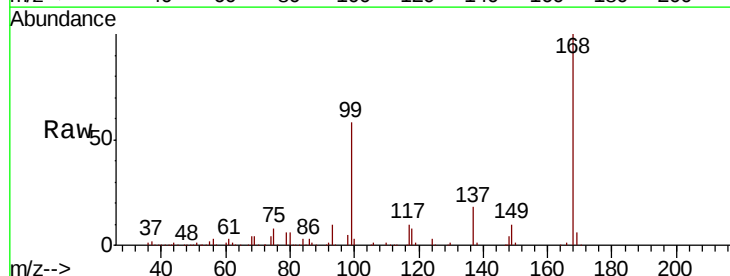
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-33-9.5-10.0

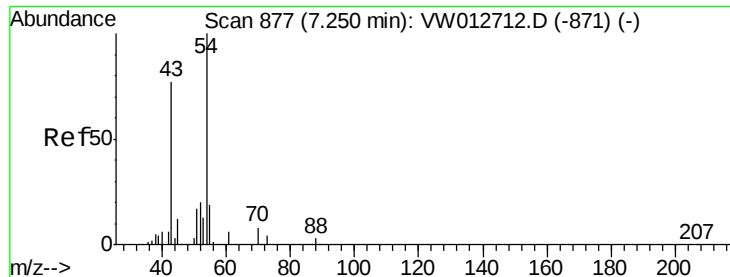
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	80.2	120.4
192	22.0	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 6.136 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012756.D
 Acq: 08 Sep 2019 08:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	15.9	47.7#
77	0.0	25.0	37.4#

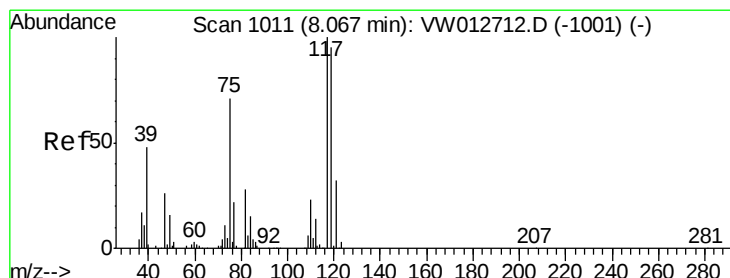
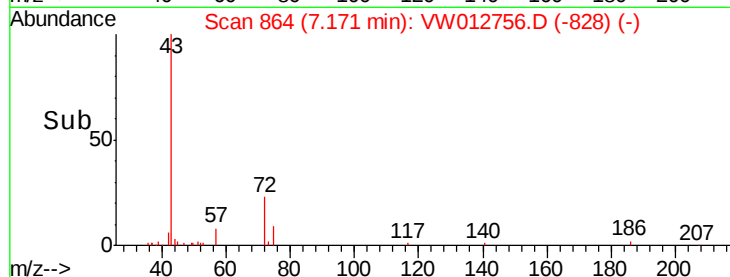
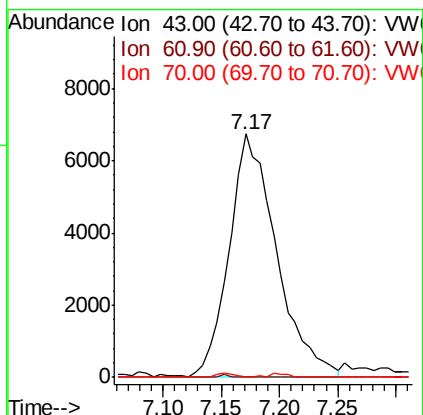
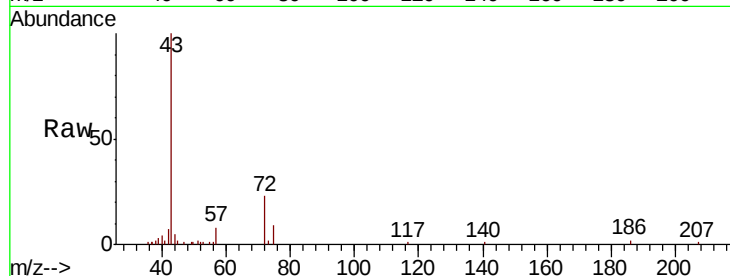




#37
 Ethyl Acetate
 Concen: 9.606 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW012756.D
 Acq: 08 Sep 2019 08:50

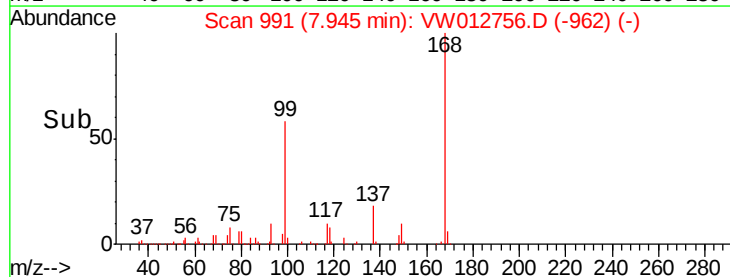
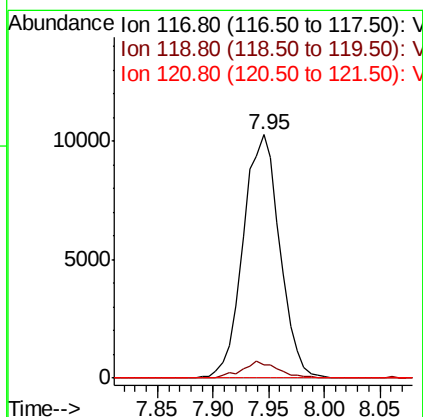
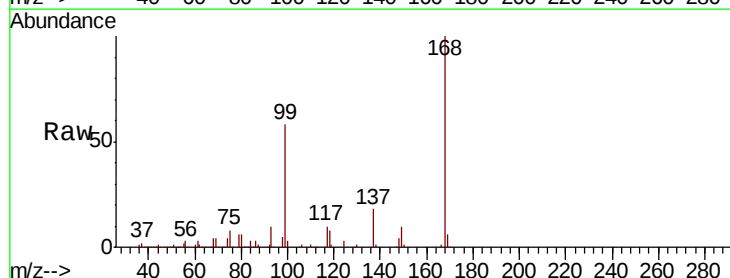
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 MSVOA_W
 ClientSampleId :
 SB-33-9.5-10.0

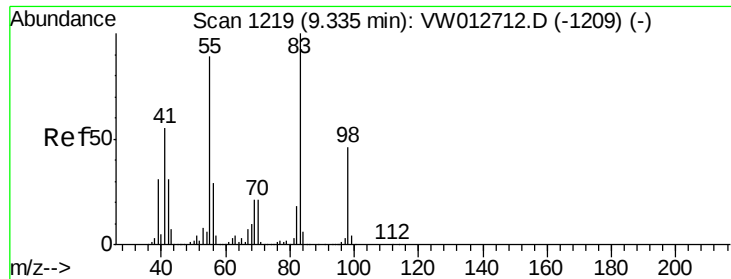
Tgt Ion: 43 Resp: 19115
 Ion Ratio Lower Upper
 43 100
 61 0.2 9.5 14.3#
 70 0.7 7.0 10.6#



#38
 Carbon Tetrachloride
 Concen: 7.646 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012756.D
 Acq: 08 Sep 2019 08:50

Tgt Ion: 117 Resp: 23526
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.2 114.2#
 121 0.0 25.4 38.2#

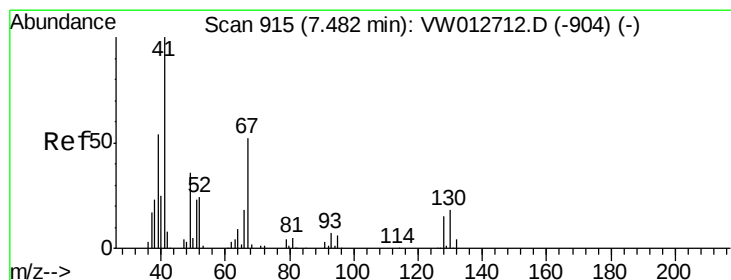
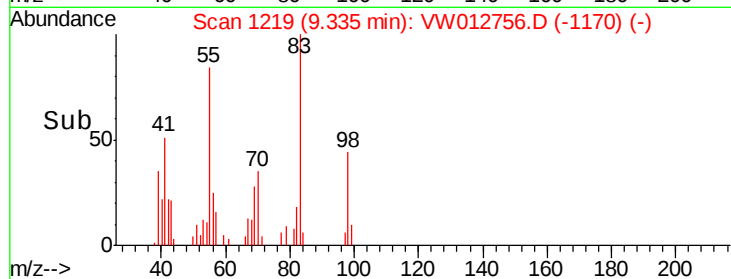
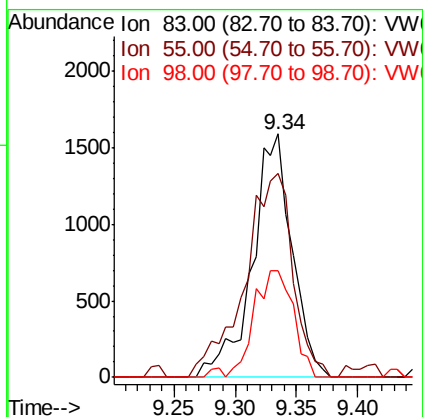
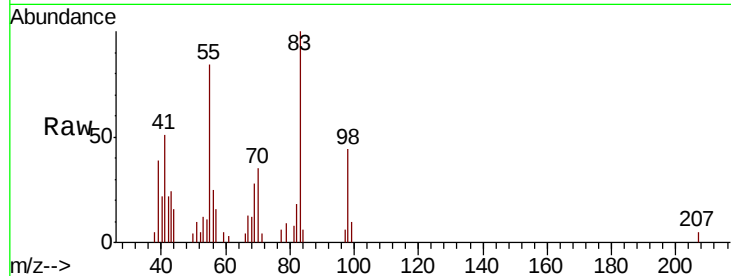




#39
Methylcyclohexane
Concen: 1.031 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012756.D
Acq: 08 Sep 2019 08:50

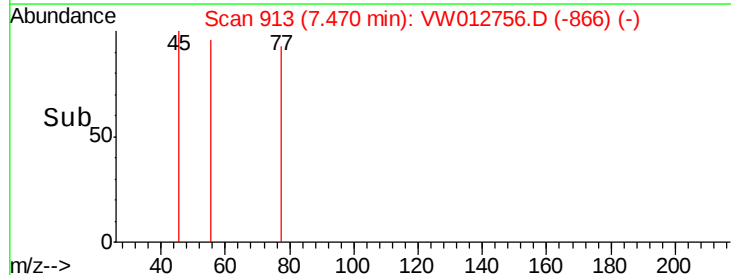
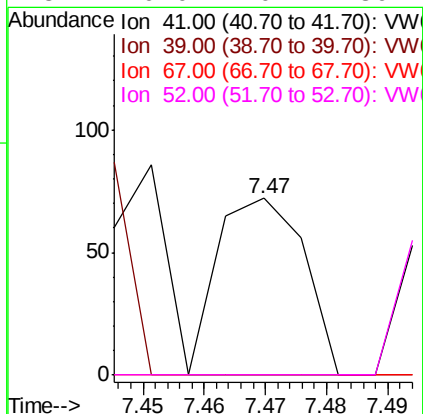
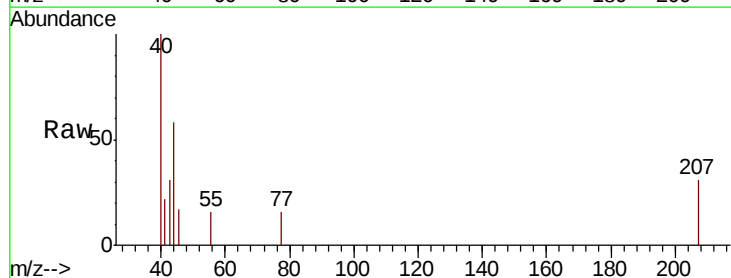
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MSVOA_W
ClientSampled :
SB-33-9.5-10.0

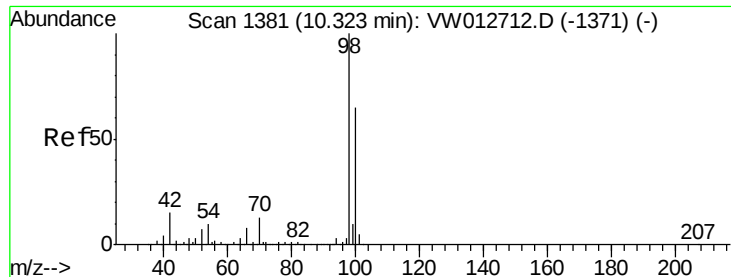
Tgt Ion: 83 Resp: 3614
Ion Ratio Lower Upper
83 100
55 83.8 71.0 106.4
98 43.7 36.9 55.3



#41
Methacrylonitrile
Concen: 3.887 ug/l
RT: 7.47 min Scan# 913
Delta R.T. -0.01 min
Lab File: VW012756.D
Acq: 08 Sep 2019 08:50

Tgt Ion: 41 Resp: 71
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#

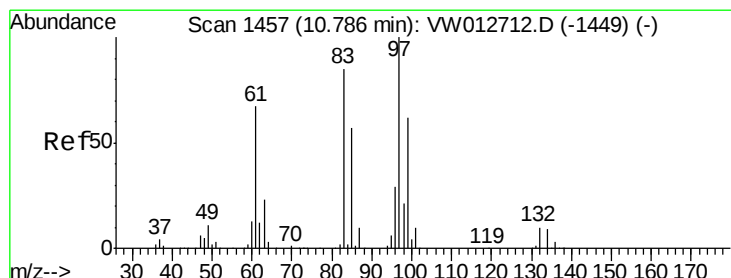
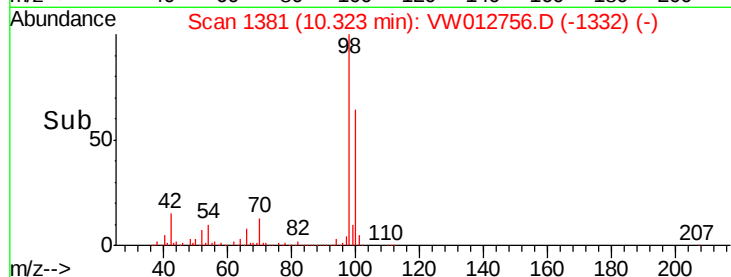
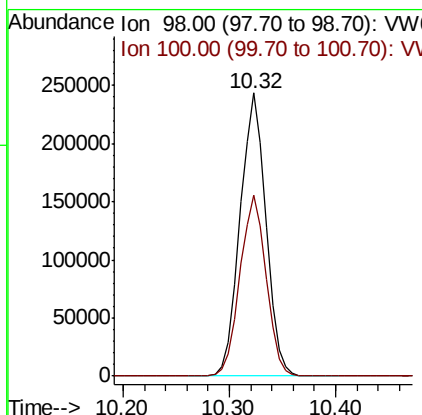
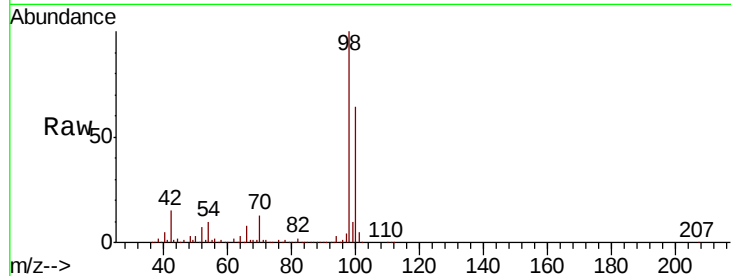




#50
Toluene-d8
Concen: 50.915 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012756.D
Acq: 08 Sep 2019 08:50

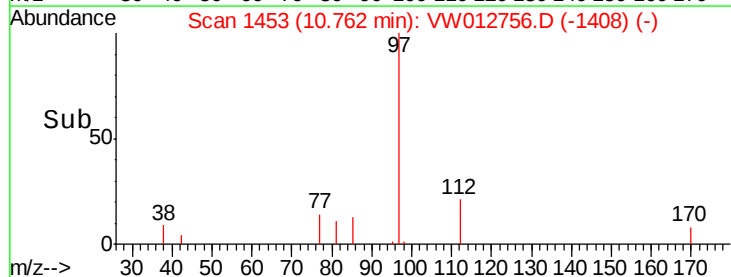
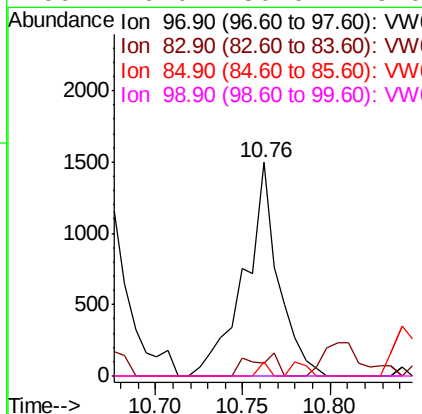
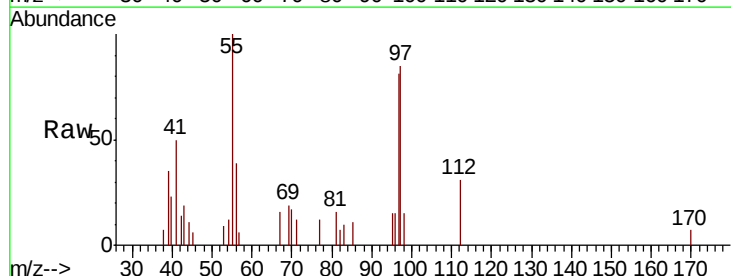
Instrument :
MSVOA_W
ClientSampled :
SB-33-9.5-10.0

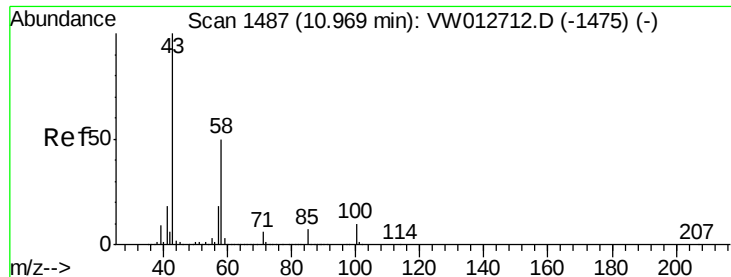
Tgt Ion: 98 Resp: 416619
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4



#55
1,1,2-Trichloroethane
Concen: 1.180 ug/l
RT: 10.76 min Scan# 1453
Delta R.T. -0.02 min
Lab File: VW012756.D
Acq: 08 Sep 2019 08:50

Tgt Ion: 97 Resp: 2009
Ion Ratio Lower Upper
97 100
83 6.1 68.1 102.1#
85 6.5 45.3 67.9#
99 0.0 50.0 75.0#

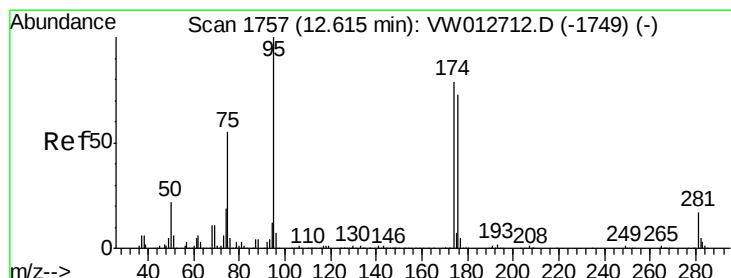
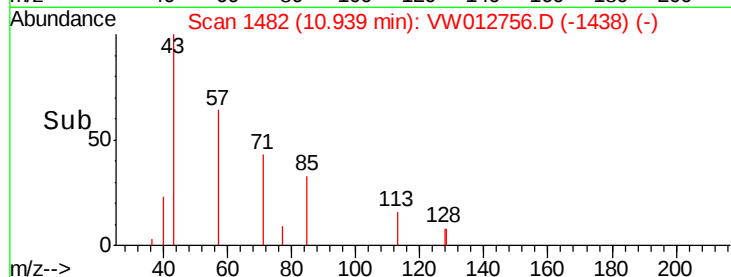
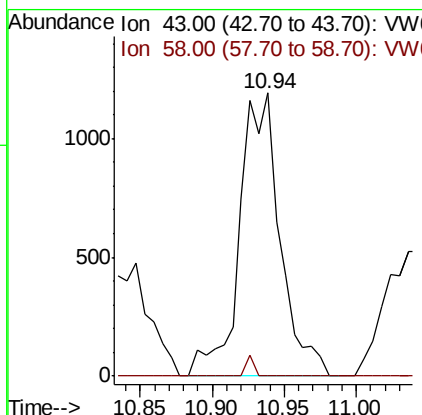
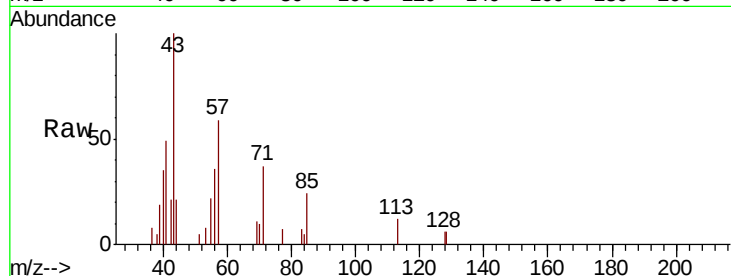




#59
2-Hexanone
Concen: 1.607 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW012756.D
Acq: 08 Sep 2019 08:50

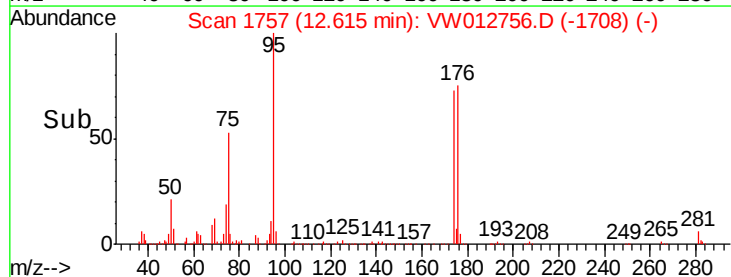
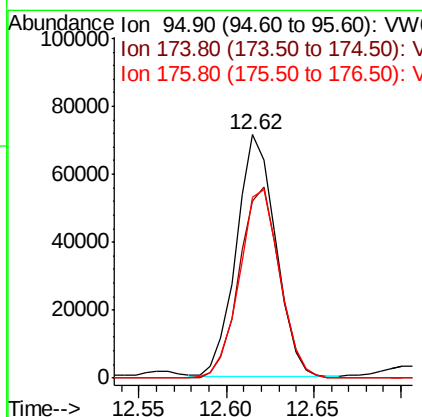
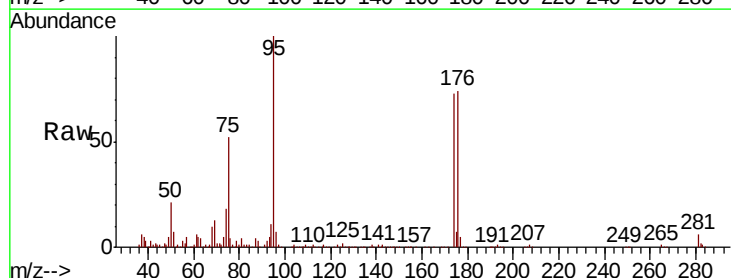
Instrument :
MSVOA_W
ClientSampled :
SB-33-9.5-10.0

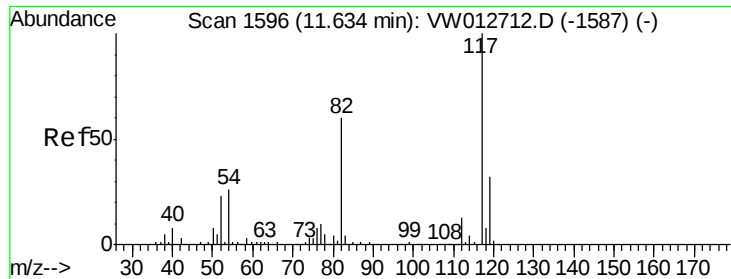
Tgt Ion: 43 Resp: 2322
Ion Ratio Lower Upper
43 100
58 1.3 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 37.649 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012756.D
Acq: 08 Sep 2019 08:50

Tgt Ion: 95 Resp: 111838
Ion Ratio Lower Upper
95 100
174 80.4 0.0 161.0
176 80.2 0.0 156.4

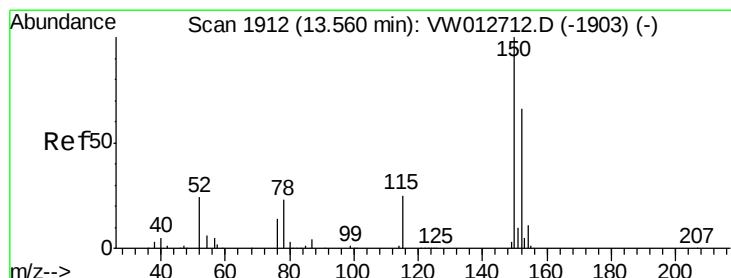
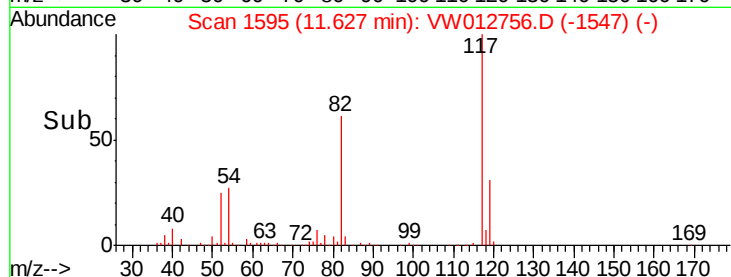
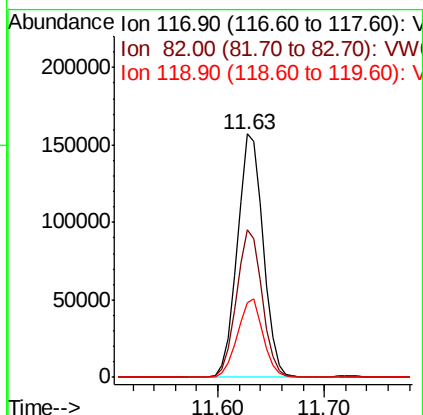
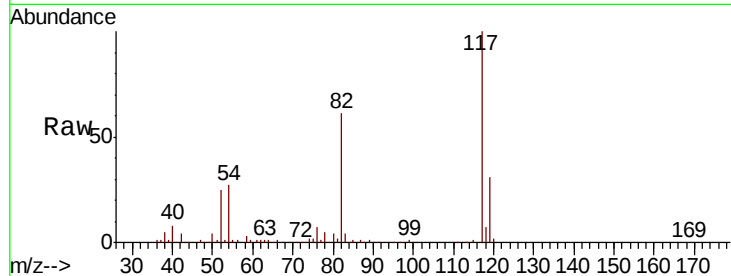




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012756.D
Acq: 08 Sep 2019 08:50

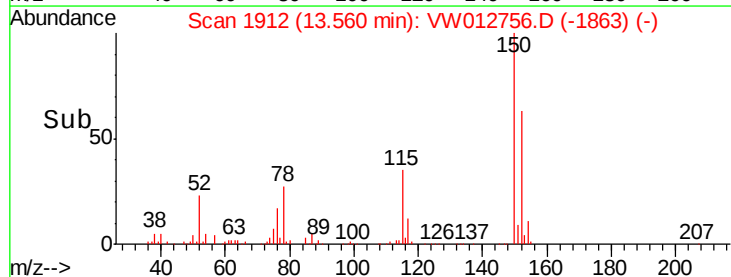
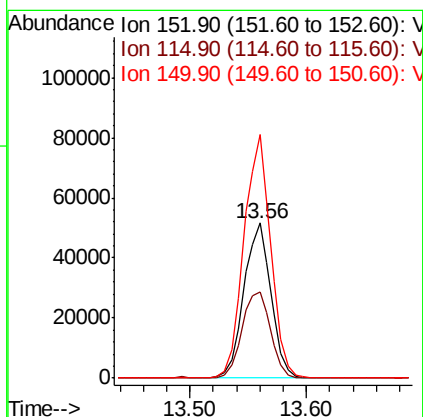
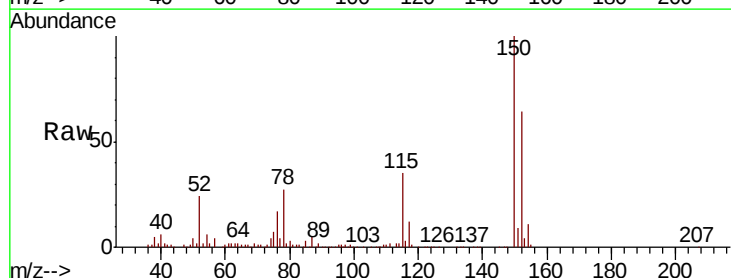
Instrument :
MSVOA_W
ClientSampleId :
SB-33-9.5-10.0

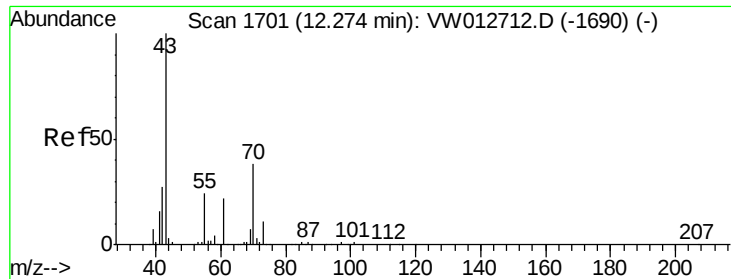
Tgt Ion:117 Resp: 267993
Ion Ratio Lower Upper
117 100
82 60.5 48.2 72.4
119 30.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012756.D
Acq: 08 Sep 2019 08:50

Tgt Ion:152 Resp: 84032
Ion Ratio Lower Upper
152 100
115 58.4 30.0 90.1
150 153.9 0.0 349.0

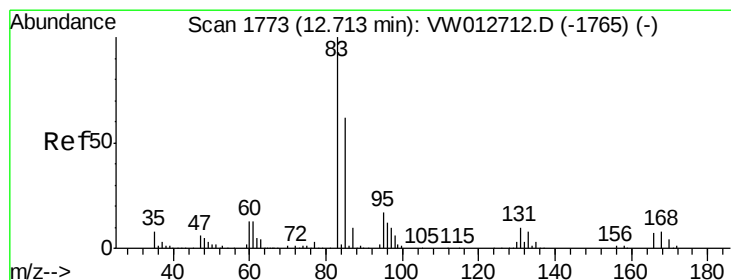
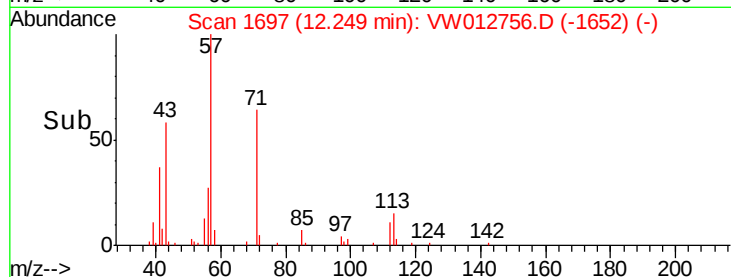
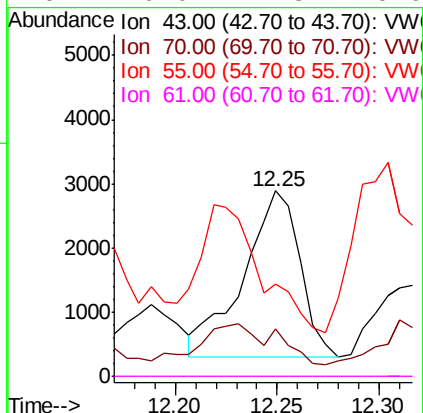
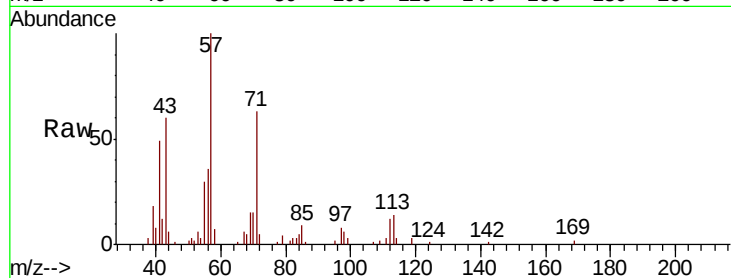




#74
N-ethyl acetate
Concen: 2.615 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW012756.D
Acq: 08 Sep 2019 08:50

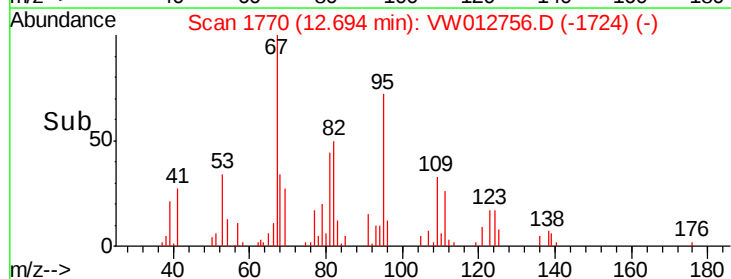
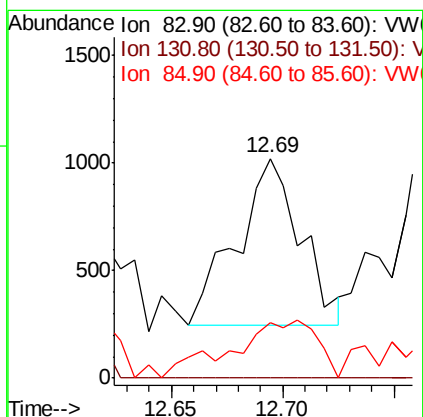
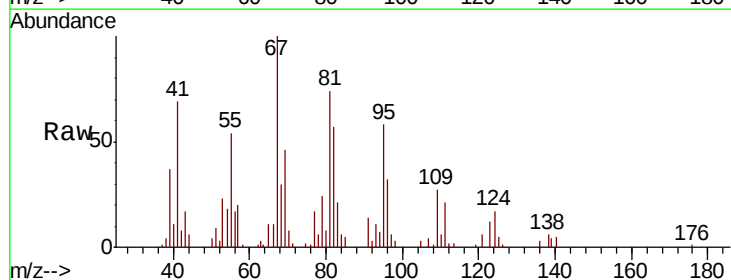
Instrument :
MSVOA_W
ClientSampleId :
SB-33-9.5-10.0

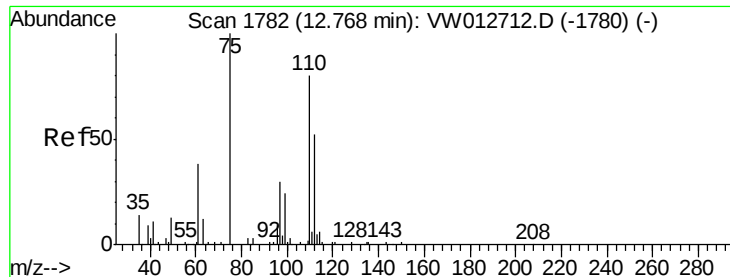
Tgt Ion:	43	Resp:	5002
Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.4	44.0#
55	0.0	18.6	27.8#
61	0.0	17.8	26.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.287 ug/l
RT: 12.69 min Scan# 1770
Delta R.T. -0.02 min
Lab File: VW012756.D
Acq: 08 Sep 2019 08:50

Tgt Ion:	83	Resp:	1558
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.1	15.4#
85	37.0	31.4	94.2

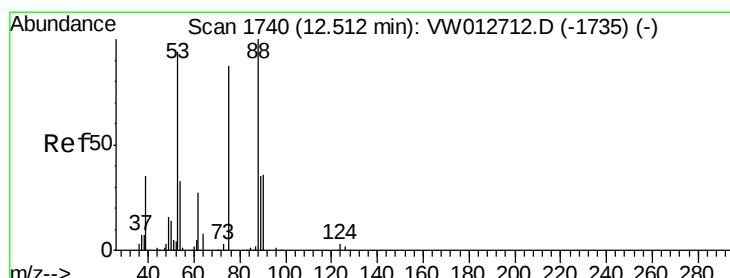
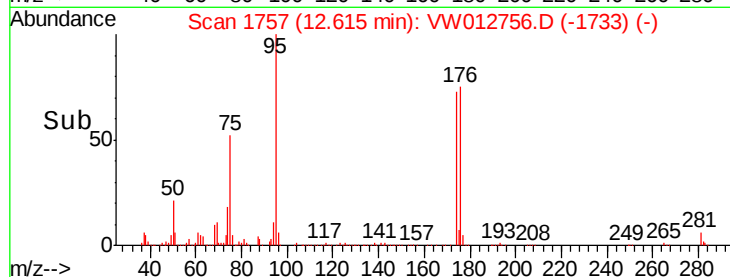
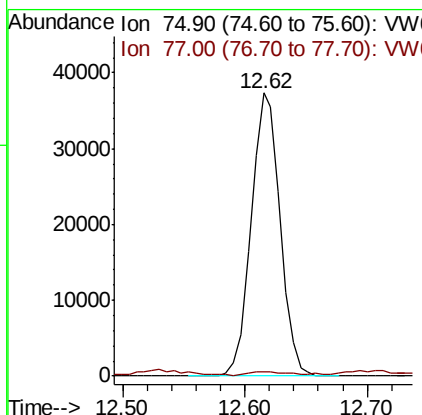
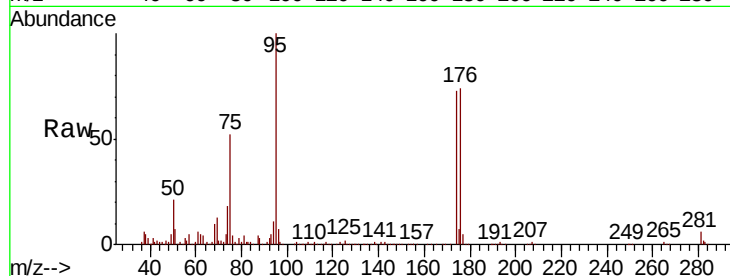




#76
 1,2,3-Trichloropropane
 Concen: 71.639 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012756.D
 Acq: 08 Sep 2019 08:50

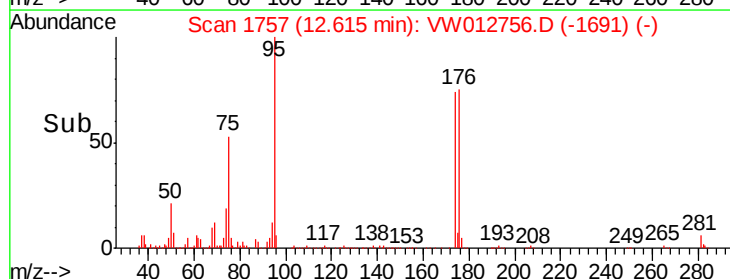
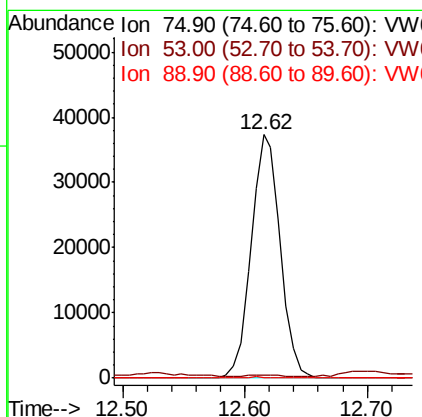
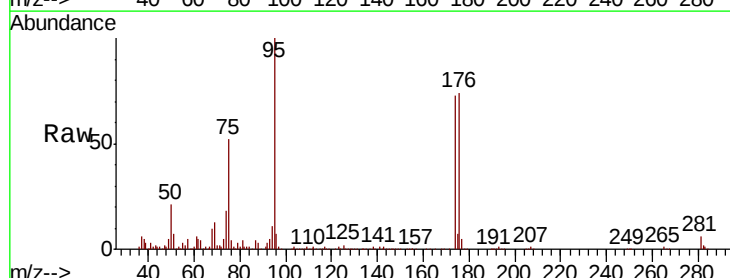
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-33-9.5-10.0

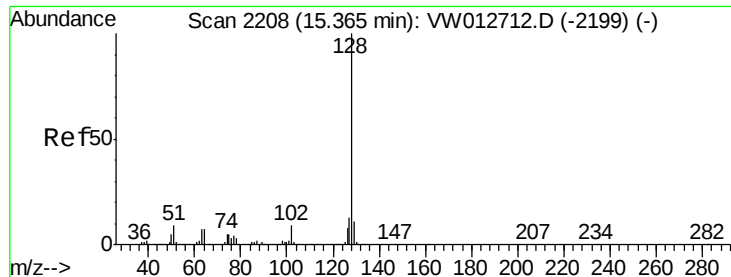
Tgt Ion: 75 Resp: 61557
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 151.522 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012756.D
 Acq: 08 Sep 2019 08:50

Tgt Ion: 75 Resp: 61557
 Ion Ratio Lower Upper
 75 100
 53 0.8 87.6 131.4#
 89 0.1 35.5 53.3#





#95
Naphthalene
Concen: 14.107 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012756.D
Acq: 08 Sep 2019 08:50

Instrument :
MSVOA_W
ClientSampleId :
SB-33-9.5-10.0

Tgt Ion:128 Resp: 37404
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 11.5 8.7 13.1

