

Data File : VW012003.D
Acq On : 19 Aug 2019 21:20
Operator : SY/VA
Sample : K4391-08
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-CORNER-2

Quant Time: Aug 20 05:14:21 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	264375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	445654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	382635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	167586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	170534	56.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.36%	
35) Dibromofluoromethane	7.88	113	135743	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
50) Toluene-d8	10.32	98	548370	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	
62) 4-Bromofluorobenzene	12.62	95	194632	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	

Target Compounds

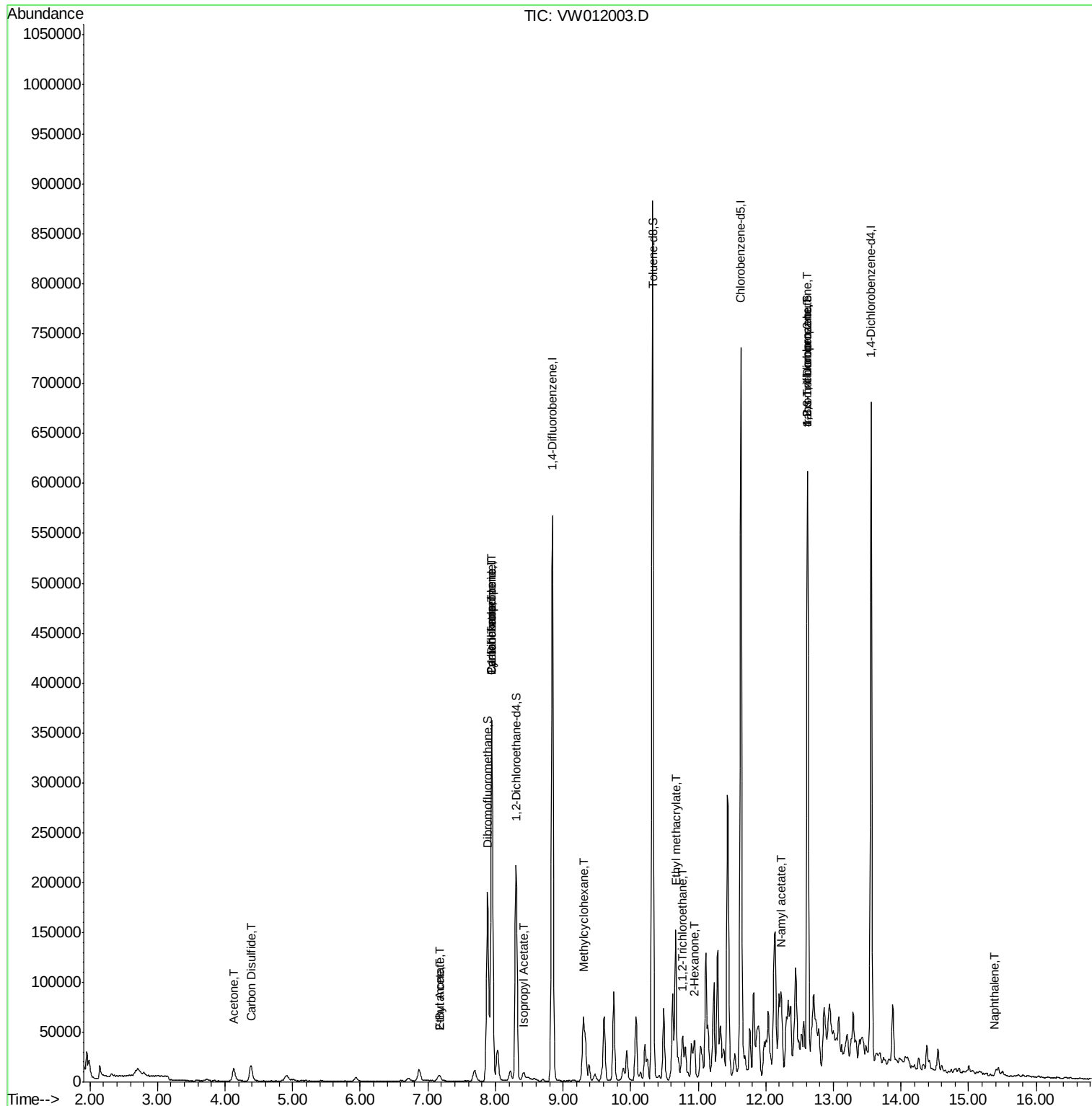
						Qvalue
11) Tert butyl alcohol	5.15	59	132	Below Cal	#	90
16) Acetone	4.12	43	24799	25.681	ug/l	96
17) Carbon Disulfide	4.39	76	33767	3.918	ug/l	100
25) 2-Butanone	7.18	43	4789	3.790	ug/l #	85
31) Cyclohexane	7.95	56	6508	1.147	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22183	4.787	ug/l #	52
37) Ethyl Acetate	7.18	43	4789	1.796	ug/l #	73
38) Carbon Tetrachloride	7.95	117	26252	6.618	ug/l #	17
39) Methylcyclohexane	9.30	83	12738	2.496	ug/l #	28
43) Isopropyl Acetate	8.41	43	5723	1.167	ug/l #	55
55) 1,1,2-Trichloroethane	10.76	97	6610	2.939	ug/l #	38
56) Ethyl methacrylate	10.66	69	12928	3.928	ug/l #	1
59) 2-Hexanone	10.94	43	18072	10.036	ug/l #	39
74) N-amyl acetate	12.23	43	12256	3.131	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	100591	56.727	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	100591	130.736	ug/l #	7
95) Naphthalene	15.37	128	723	2.171	ug/l #	81

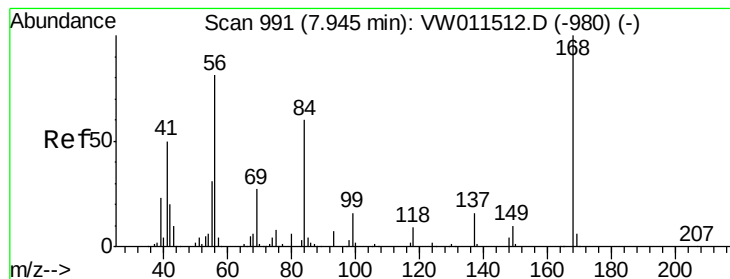
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012003.D

Acq: 19 Aug 2019 21:20

Instrument :

MSVOA_W

ClientSampled :

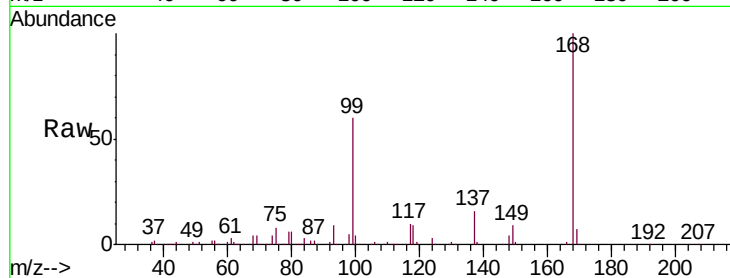
S-CORNER-2

Tgt Ion:168 Resp: 264375

Ion Ratio Lower Upper

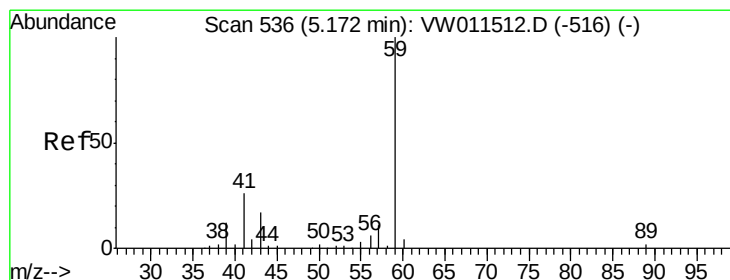
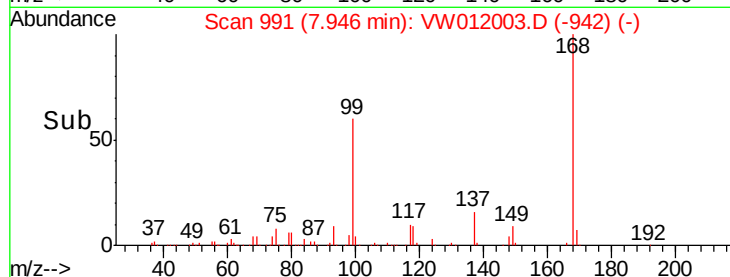
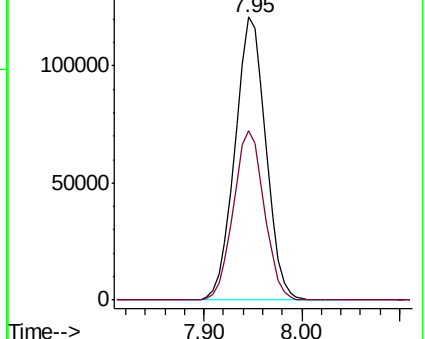
168 100

99 60.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 533

Delta R.T. -0.02 min

Lab File: VW012003.D

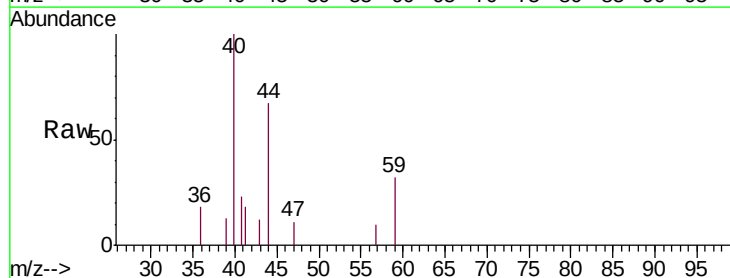
Acq: 19 Aug 2019 21:20

Tgt Ion: 59 Resp: 132

Ion Ratio Lower Upper

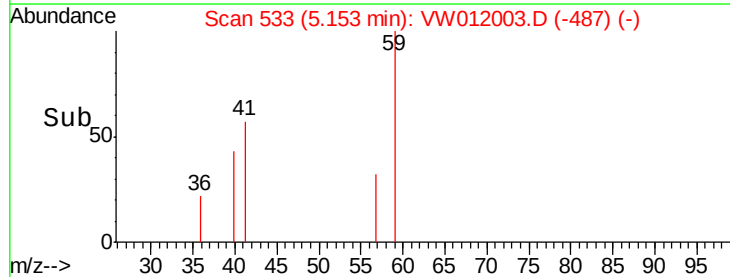
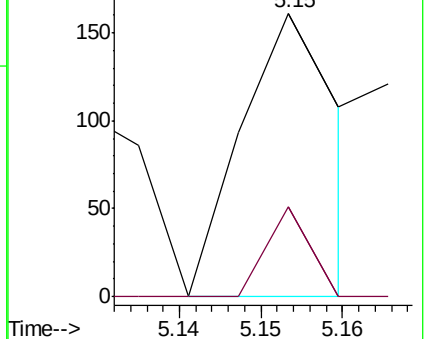
59 100

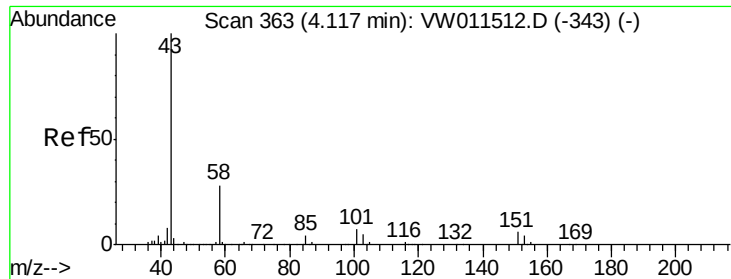
57 14.4 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

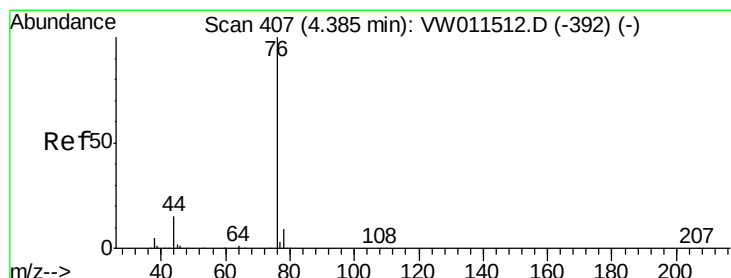
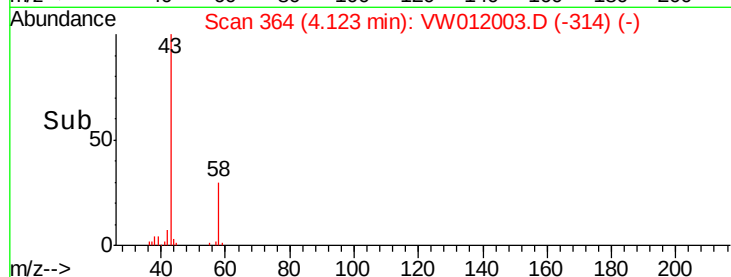
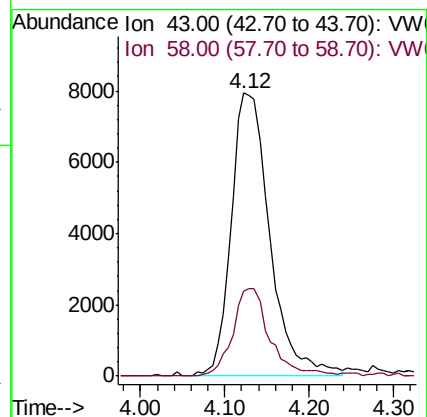
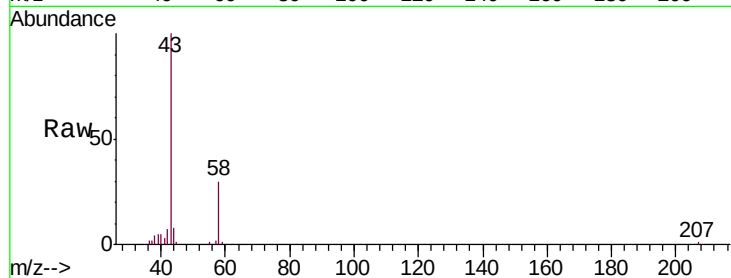




#16
Acetone
Concen: 25.681 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW012003.D
Acq: 19 Aug 2019 21:20

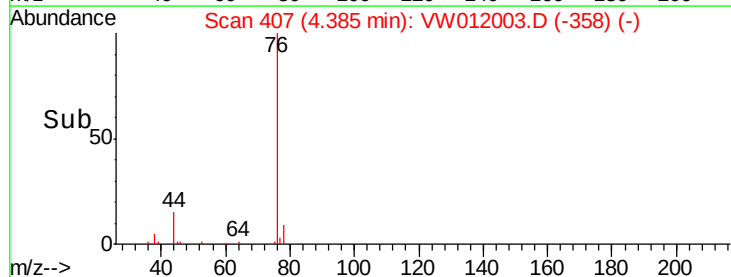
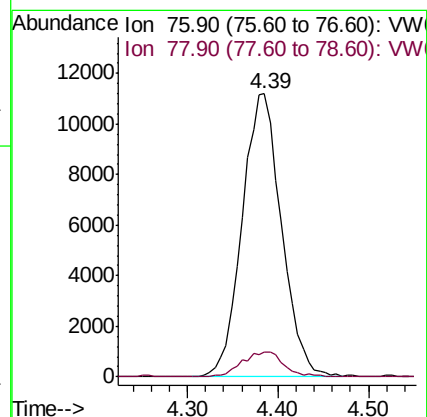
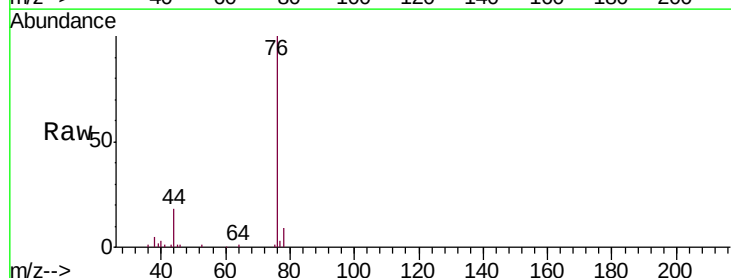
Instrument :
MSVOA_W
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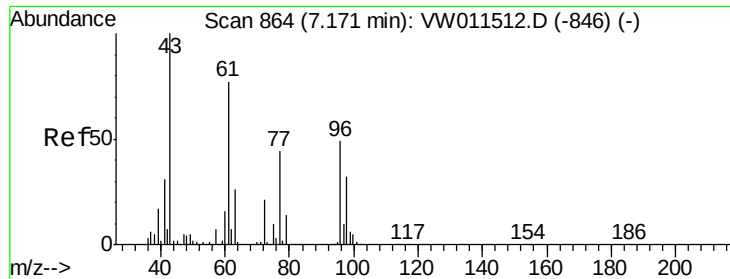
Tgt Ion: 43 Resp: 24799
Ion Ratio Lower Upper
43 100
58 29.9 22.3 33.5



#17
Carbon Disulfide
Concen: 3.918 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW012003.D
Acq: 19 Aug 2019 21:20

Tgt Ion: 76 Resp: 33767
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7

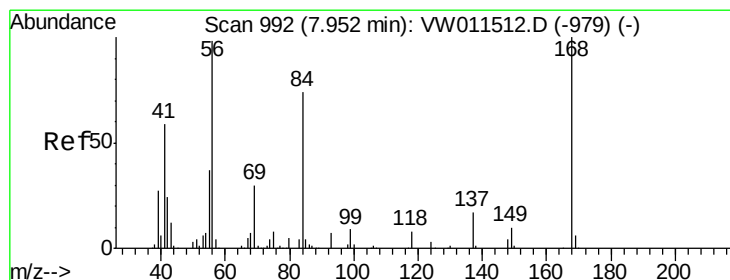
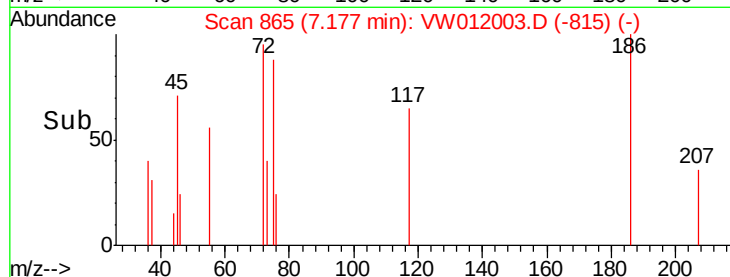
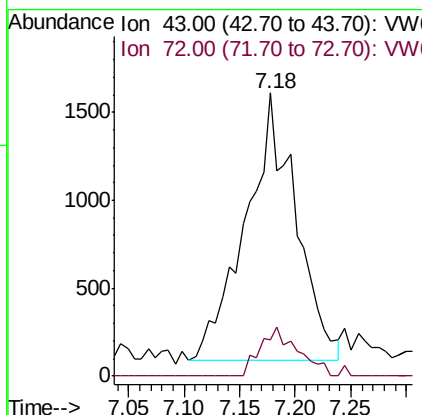
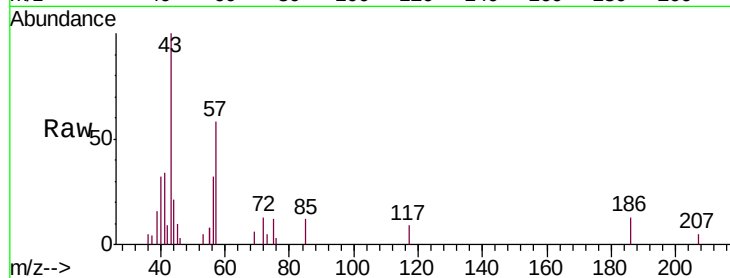




#25
2-Butanone
Concen: 3.790 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW012003.D
Acq: 19 Aug 2019 21:20

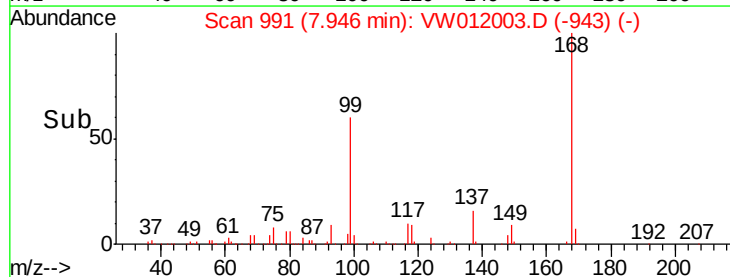
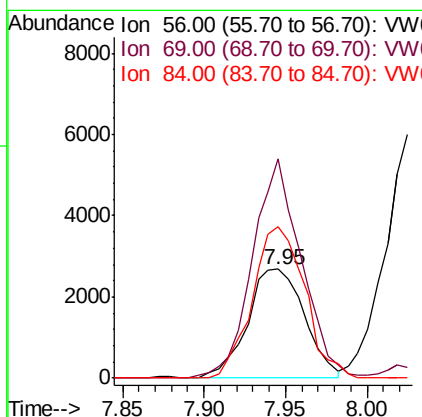
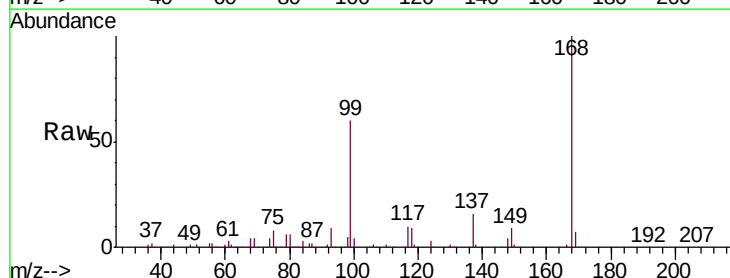
Instrument :
MSVOA_W
ClientSampleId :
S-CORNER-2

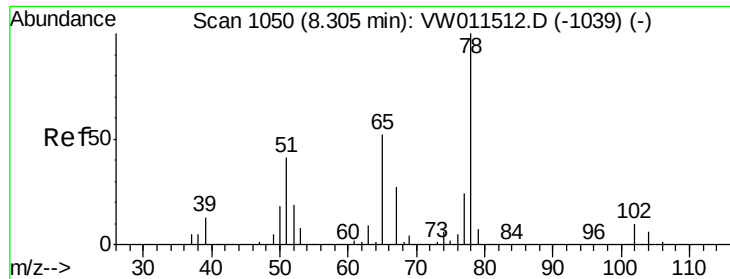
Tgt Ion: 43 Resp: 4789
Ion Ratio Lower Upper
43 100
72 13.6 16.6 24.8#



#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012003.D
Acq: 19 Aug 2019 21:20

Tgt Ion: 56 Resp: 6508
Ion Ratio Lower Upper
56 100
69 201.6 24.3 36.5#
84 138.6 60.4 90.6#

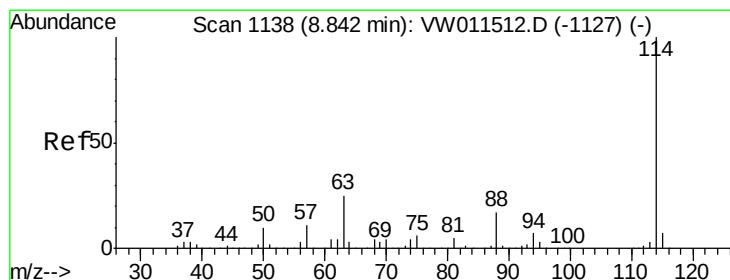
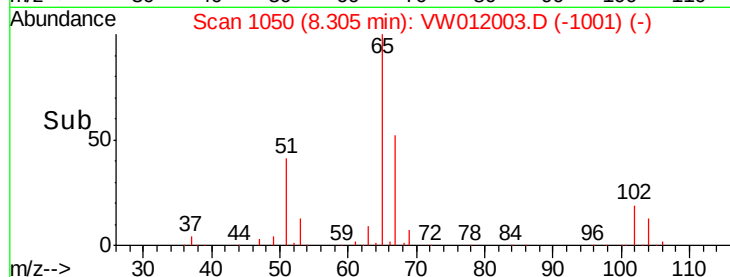
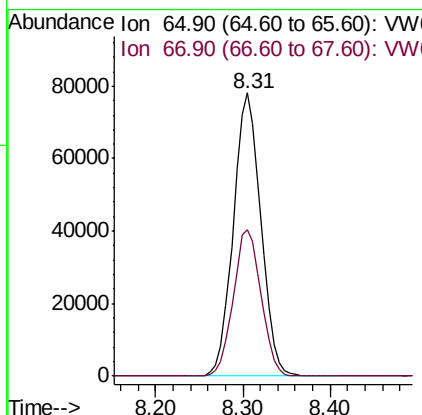
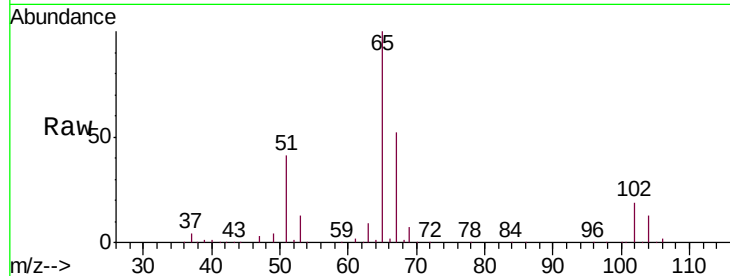




#33
 1,2-Dichloroethane-d4
 Concen: 56.175 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012003.D
 Acq: 19 Aug 2019 21:20

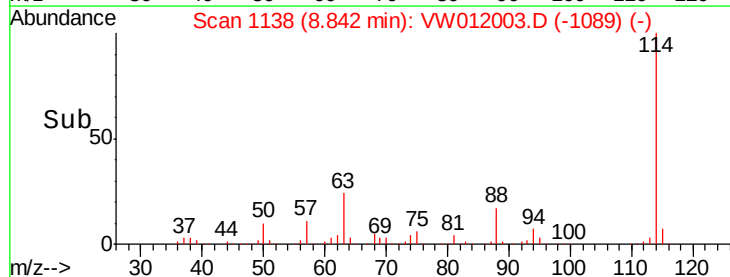
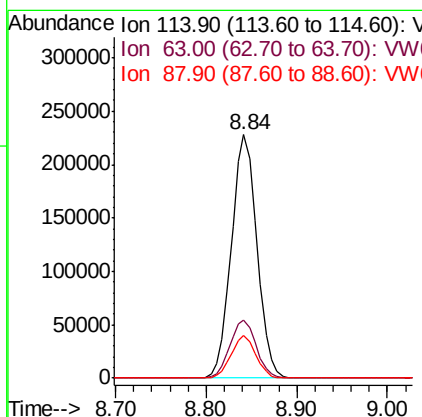
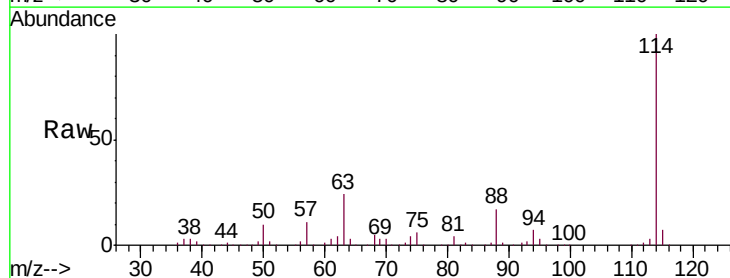
Instrument :
 MSVOA_W
 ClientSampleId :
 S-CORNER-2

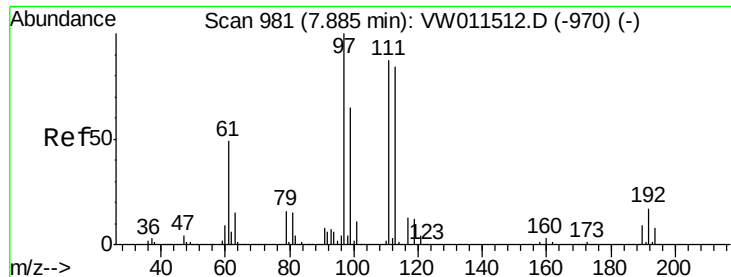
Tgt Ion: 65 Resp: 170534
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012003.D
 Acq: 19 Aug 2019 21:20

Tgt Ion: 114 Resp: 445654
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 49.2
 88 17.3 0.0 33.8

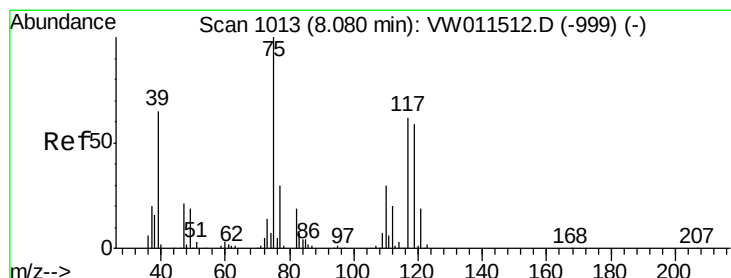
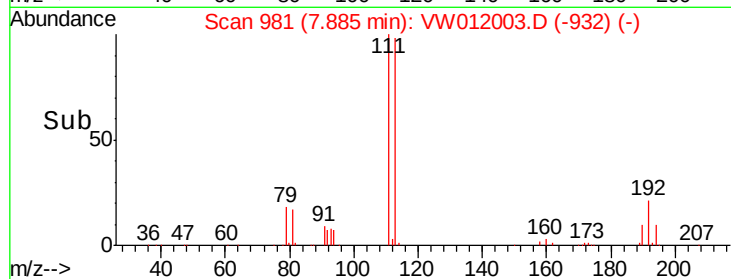
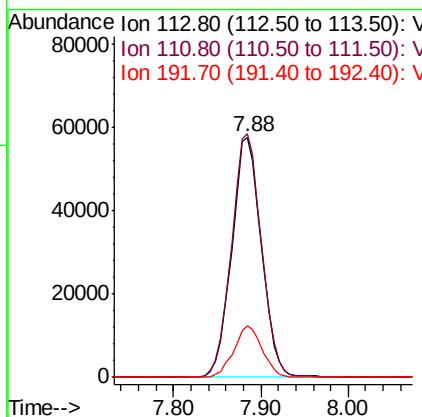
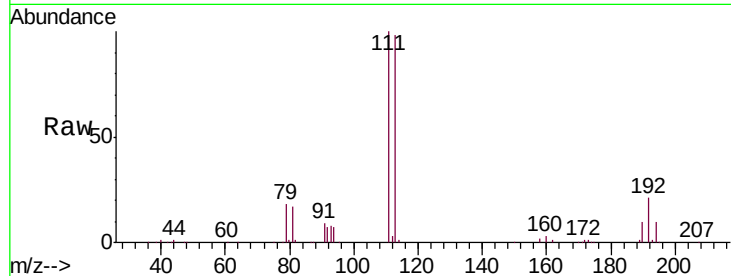




#35
 Dibromofluoromethane
 Concen: 54.293 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012003.D
 Acq: 19 Aug 2019 21:20

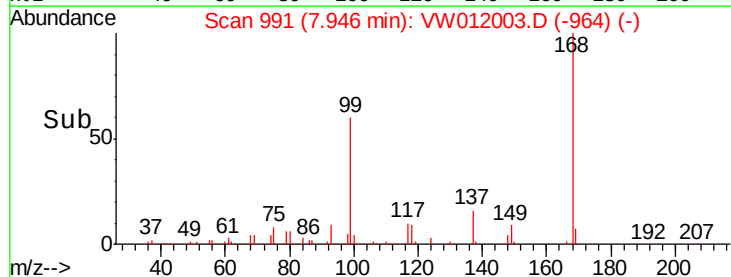
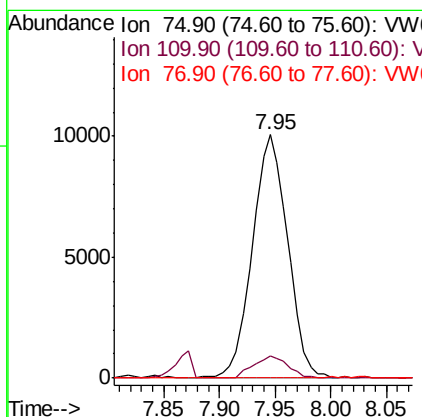
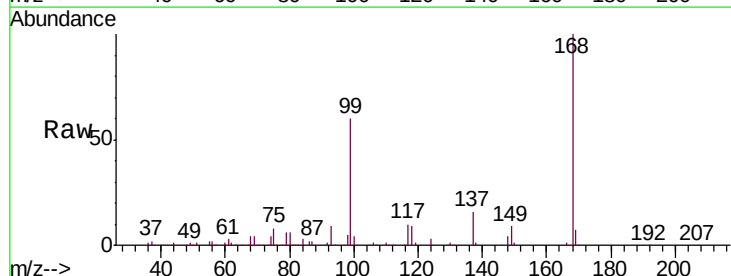
Instrument :
 MSVOA_W
 ClientSampleId :
 S-CORNER-2

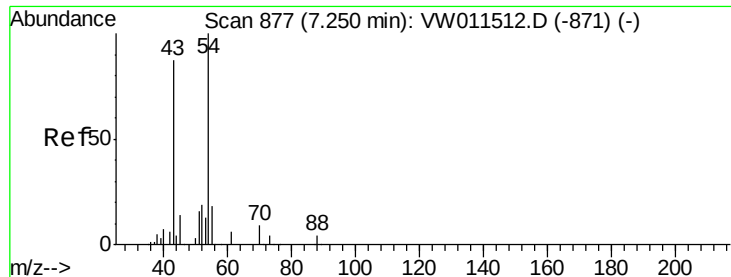
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.7	124.1
192	20.6	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 4.787 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012003.D
 Acq: 19 Aug 2019 21:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	15.6	46.8#
77	0.0	24.3	36.5#

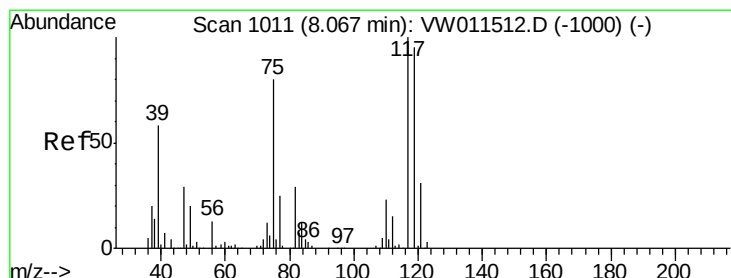
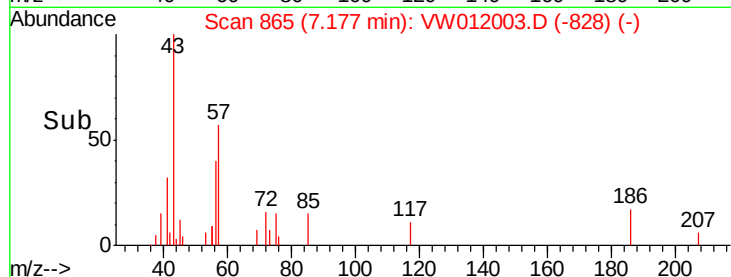
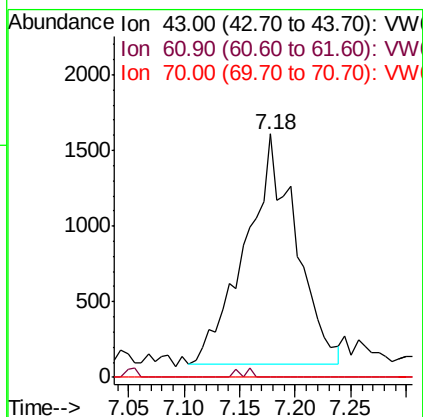
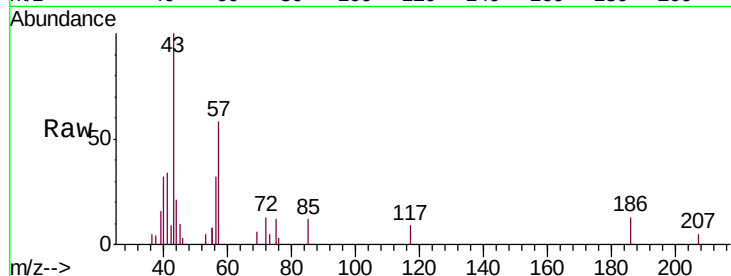




#37
Ethyl Acetate
Concen: 1.796 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.07 min
Lab File: VW012003.D
Acq: 19 Aug 2019 21:20

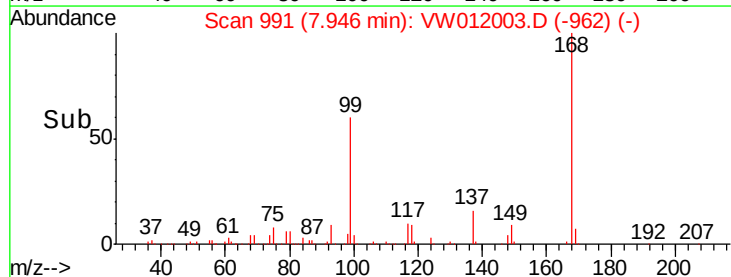
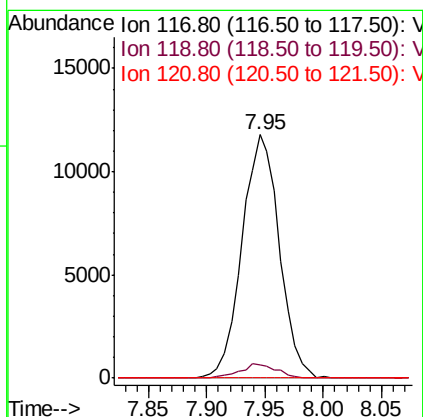
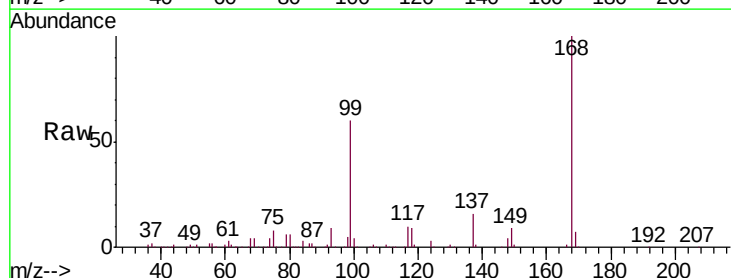
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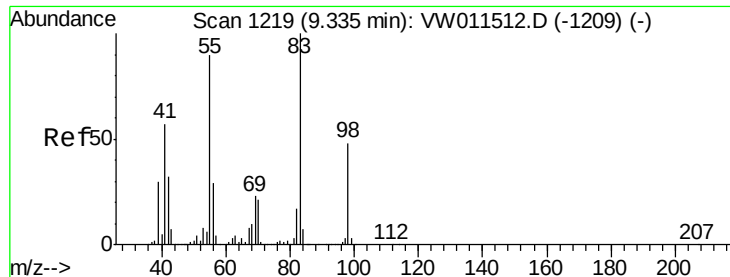
Tgt Ion: 43 Resp: 4789
Ion Ratio Lower Upper
43 100
61 0.0 8.8 13.2#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.618 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012003.D
Acq: 19 Aug 2019 21:20

Tgt Ion: 117 Resp: 26252
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.6#
121 0.0 24.7 37.1#

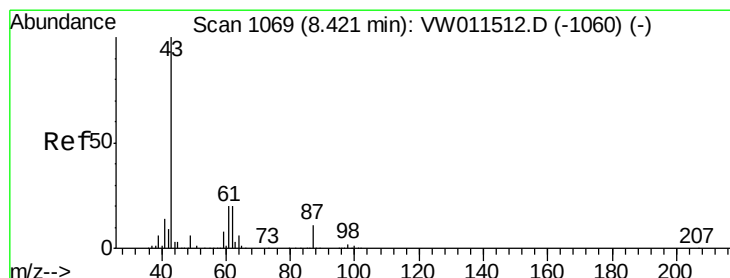
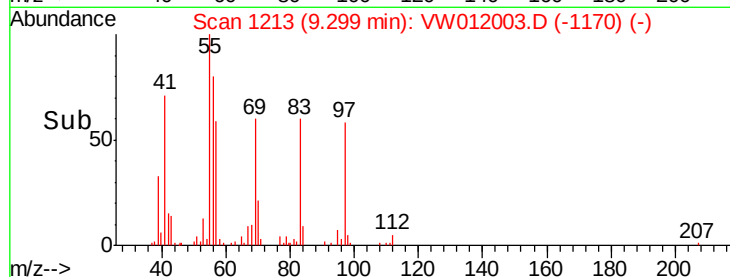
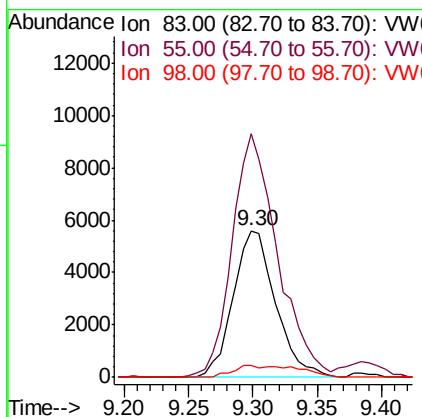
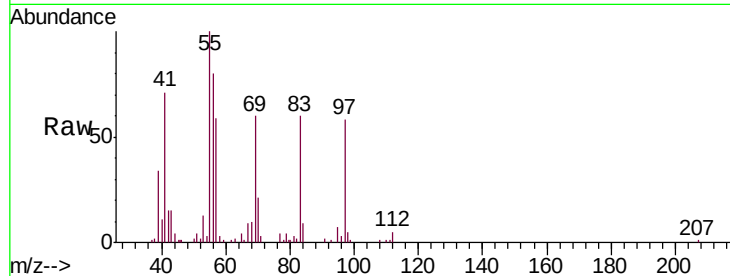




#39
Methylcyclohexane
Concen: 2.496 ug/l
RT: 9.30 min Scan# 1213
Delta R.T. -0.04 min
Lab File: VW012003.D
Acq: 19 Aug 2019 21:20

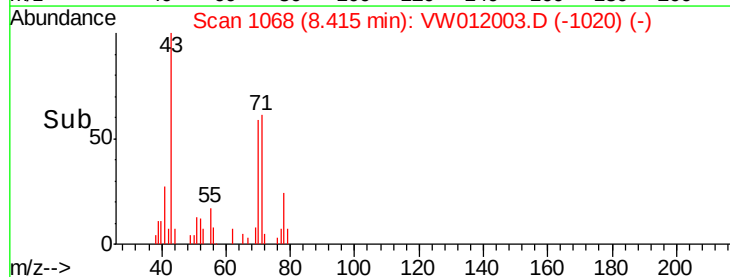
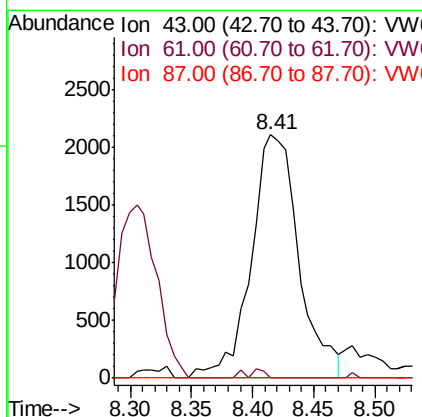
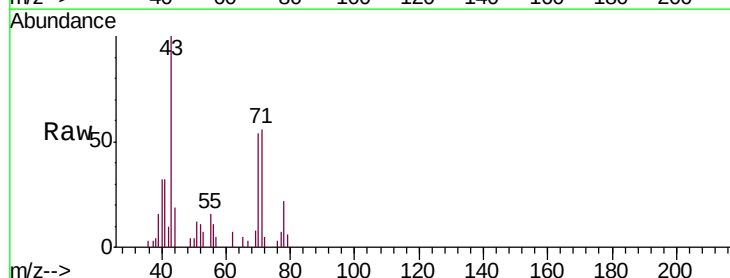
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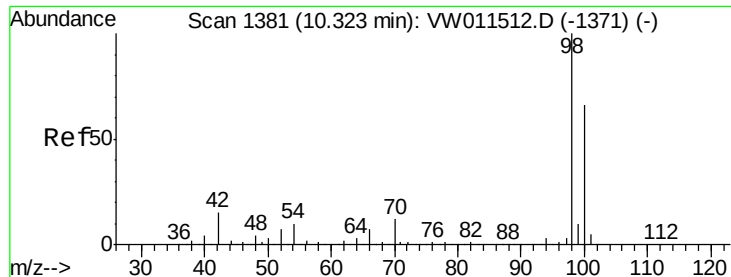
Tgt Ion: 83 Resp: 12738
Ion Ratio Lower Upper
83 100
55 164.9 72.1 108.1#
98 8.2 38.6 57.8#



#43
Isopropyl Acetate
Concen: 1.167 ug/l
RT: 8.41 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VW012003.D
Acq: 19 Aug 2019 21:20

Tgt Ion: 43 Resp: 5723
Ion Ratio Lower Upper
43 100
61 0.0 21.5 32.3#
87 0.0 8.4 12.6#

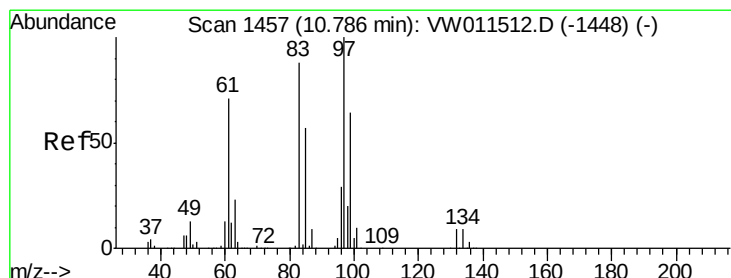
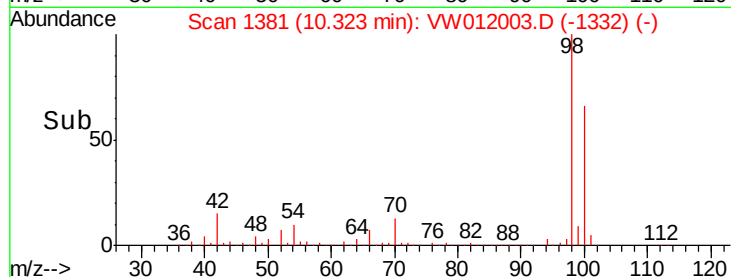
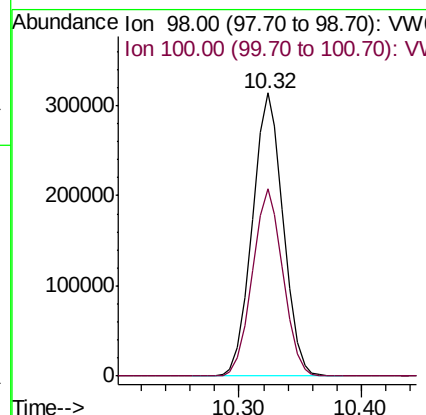
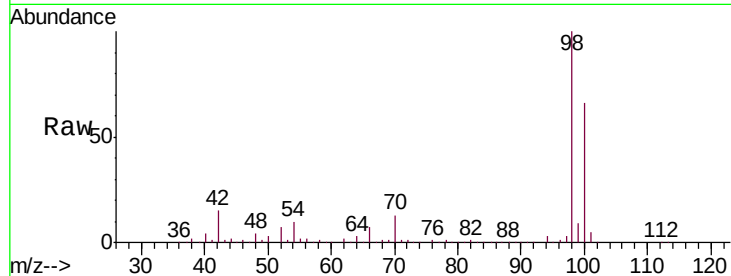




#50
Toluene-d8
Concen: 53.570 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012003.D
Acq: 19 Aug 2019 21:20

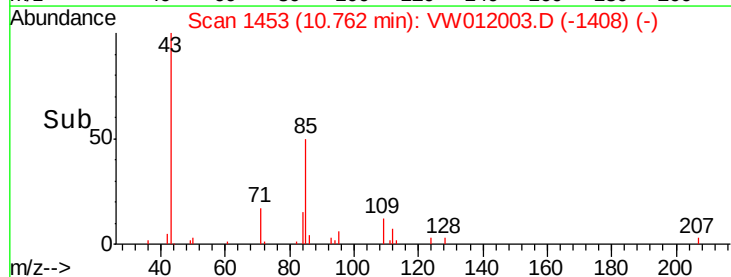
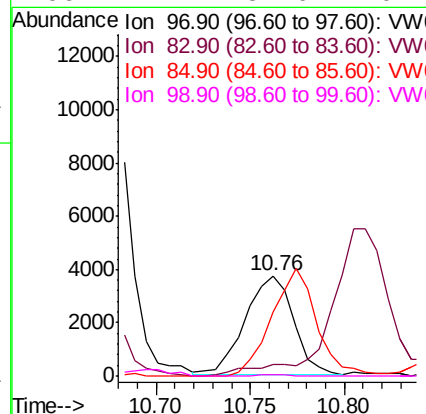
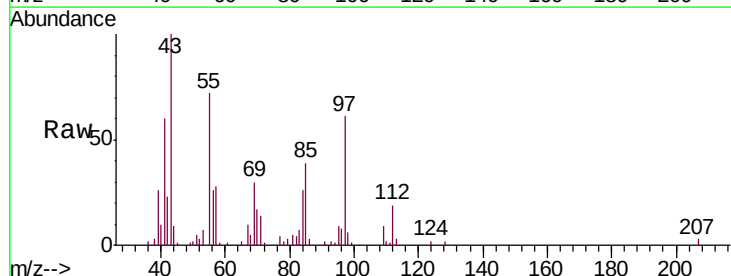
Instrument :
MSVOA_W
ClientSampleId :
S-CORNER-2

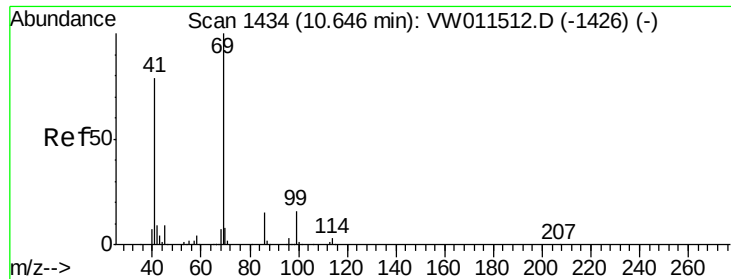
Tgt Ion: 98 Resp: 548370
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1



#55
1,1,2-Trichloroethane
Concen: 2.939 ug/l
RT: 10.76 min Scan# 1453
Delta R.T. -0.02 min
Lab File: VW012003.D
Acq: 19 Aug 2019 21:20

Tgt Ion: 97 Resp: 6610
Ion Ratio Lower Upper
97 100
83 12.0 70.5 105.7#
85 64.6 45.8 68.6
99 1.4 51.0 76.4#

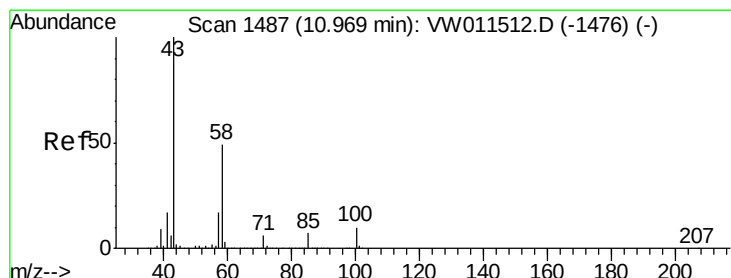
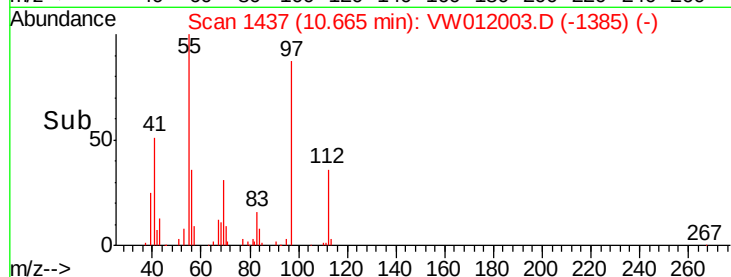
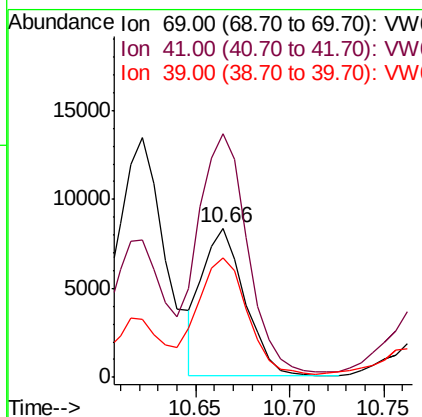
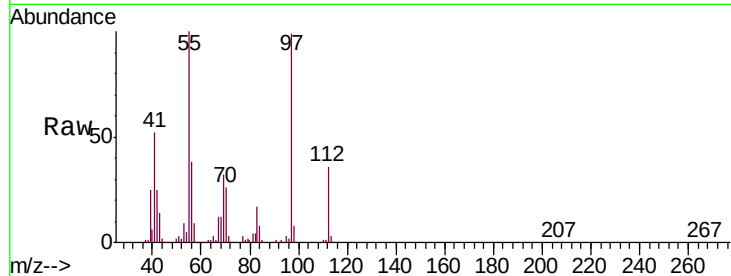




#56
Ethyl methacrylate
Concen: 3.928 ug/l
RT: 10.66 min Scan# 1437
Delta R.T. 0.02 min
Lab File: VW012003.D
Acq: 19 Aug 2019 21:20

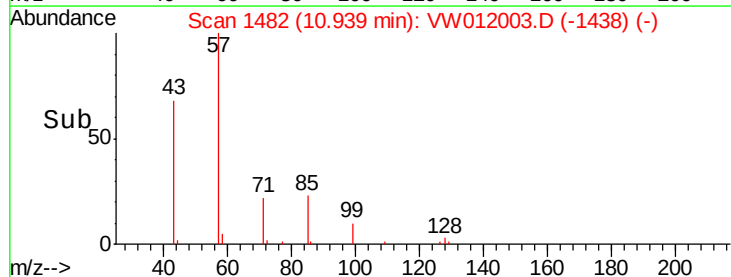
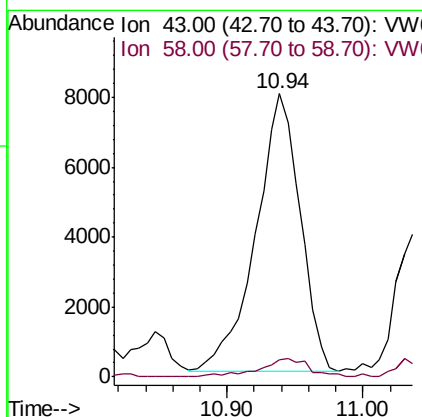
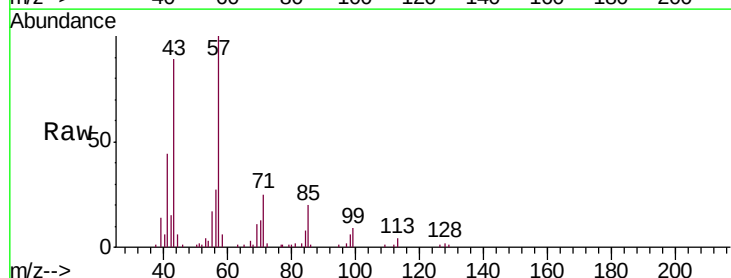
Instrument :
MSVOA_W
ClientSampleId :
S-CORNER-2

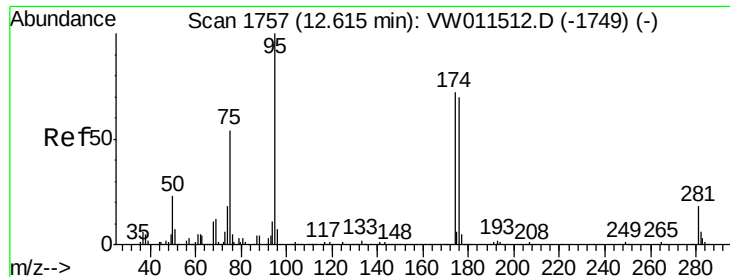
Tgt Ion: 69 Resp: 12928
Ion Ratio Lower Upper
69 100
41 185.9 66.6 99.8#
39 90.4 30.3 45.5#



#59
2-Hexanone
Concen: 10.036 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW012003.D
Acq: 19 Aug 2019 21:20

Tgt Ion: 43 Resp: 18072
Ion Ratio Lower Upper
43 100
58 7.4 24.3 72.9#





#62

4-Bromofluorobenzene

Concen: 53.331 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012003.D

Acq: 19 Aug 2019 21:20

Instrument :

MSVOA_W

ClientSampleId :

S-CORNER-2

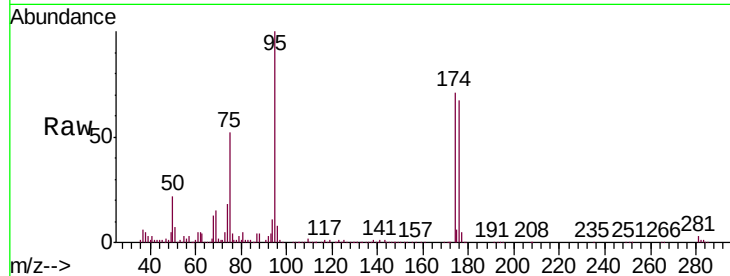
Tgt Ion: 95 Resp: 194632

Ion Ratio Lower Upper

95 100

174 73.7 0.0 150.2

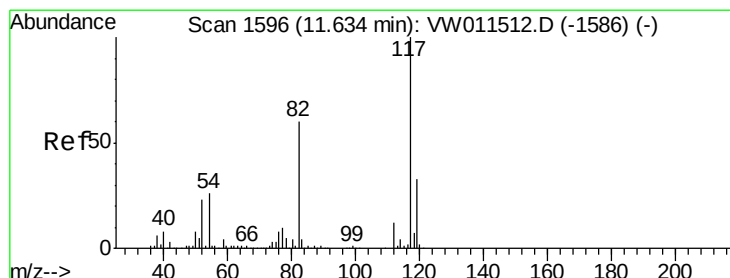
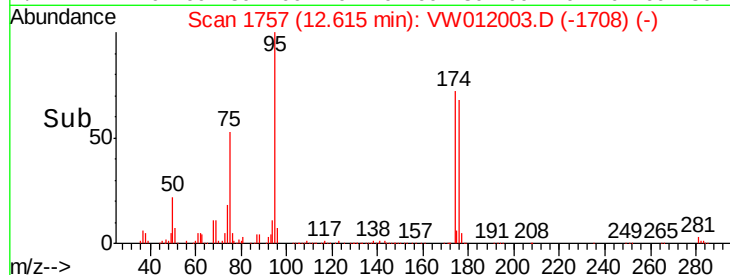
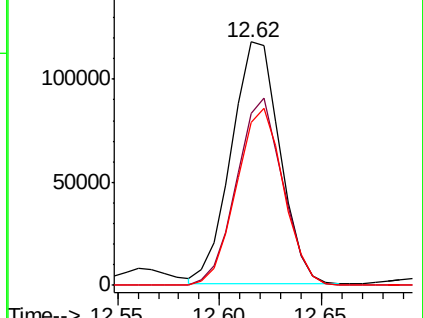
176 71.1 0.0 144.4



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: VW012003.D

Acq: 19 Aug 2019 21:20

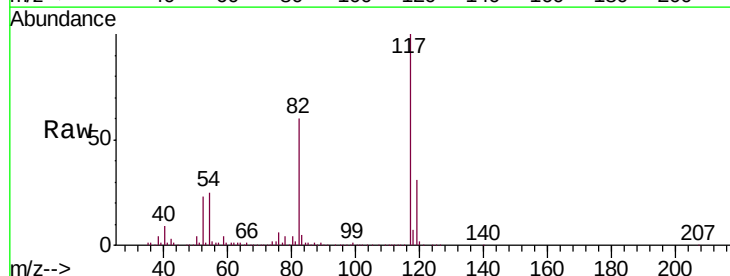
Tgt Ion: 117 Resp: 382635

Ion Ratio Lower Upper

117 100

82 59.5 47.9 71.9

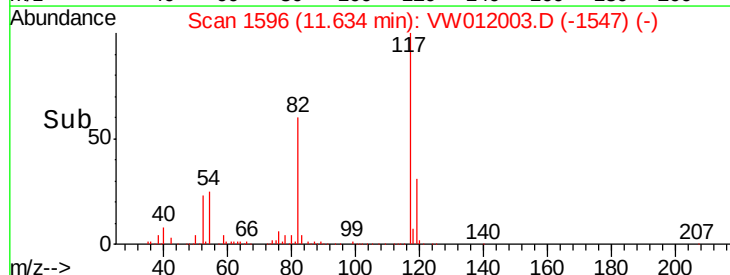
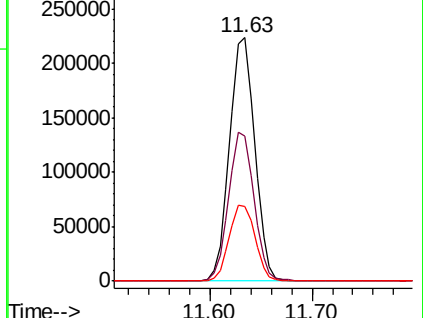
119 30.8 26.2 39.2

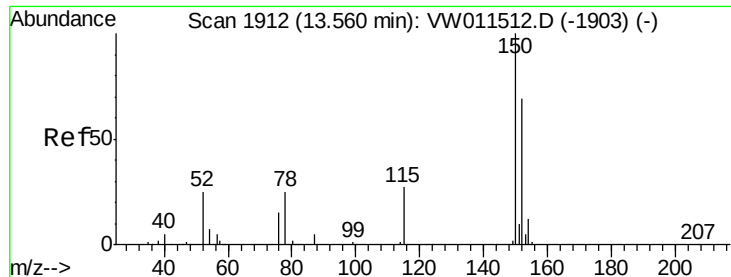


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012003.D

Acq: 19 Aug 2019 21:20

Instrument :

MSVOA_W

ClientSampleId :

S-CORNER-2

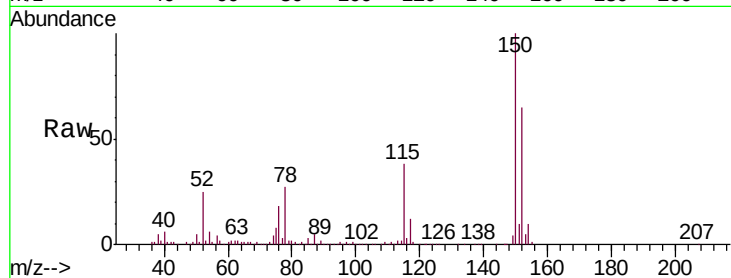
Tgt Ion:152 Resp: 167586

Ion Ratio Lower Upper

152 100

115 59.8 30.5 91.5

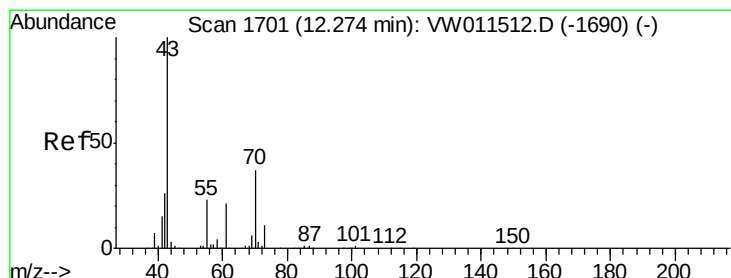
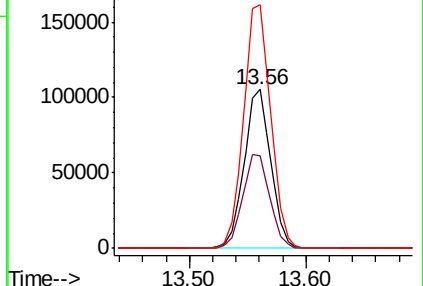
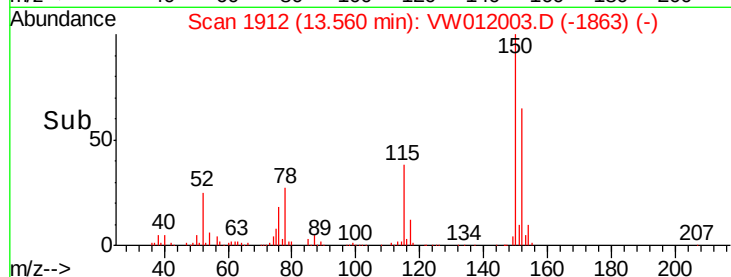
150 156.7 0.0 352.6



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



#74

N-ethyl acetate

Concen: 3.131 ug/l

RT: 12.23 min Scan# 1693

Delta R.T. -0.05 min

Lab File: VW012003.D

Acq: 19 Aug 2019 21:20

Tgt Ion: 43 Resp: 12256

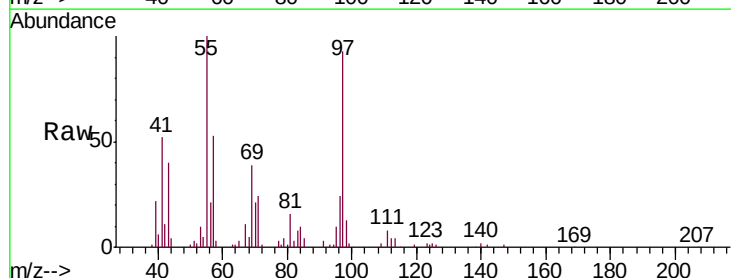
Ion Ratio Lower Upper

43 100

70 42.2 28.6 43.0

55 208.1 17.8 26.8#

61 0.0 17.0 25.6#

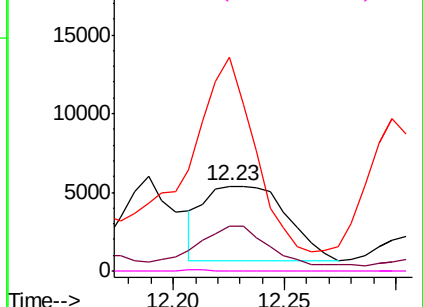
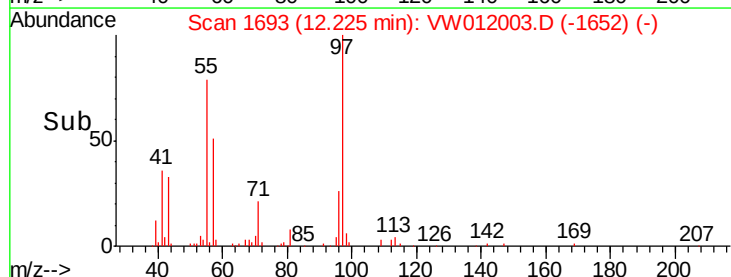


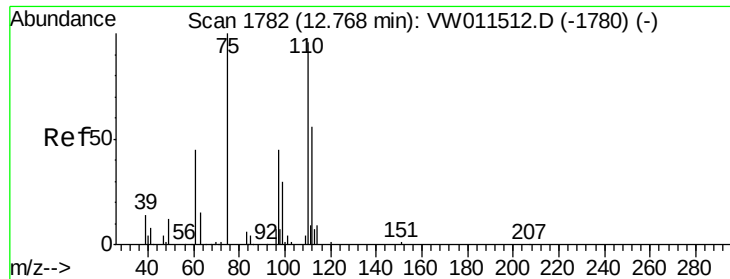
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

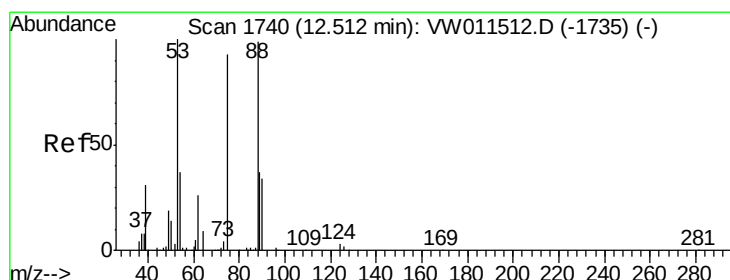
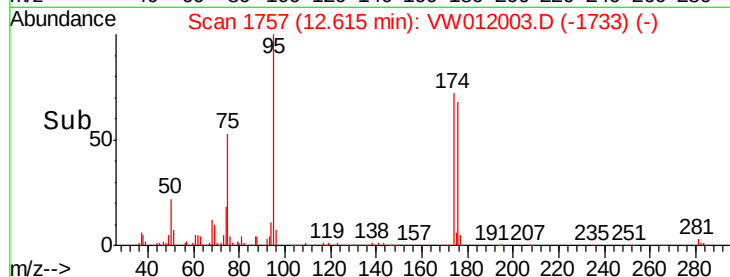
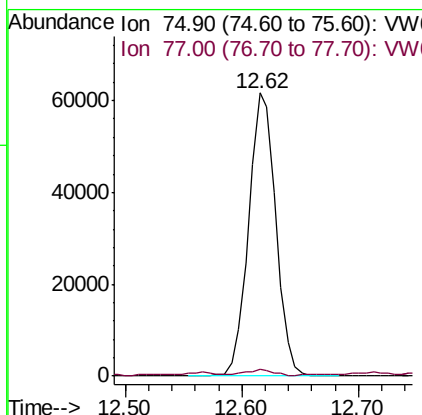
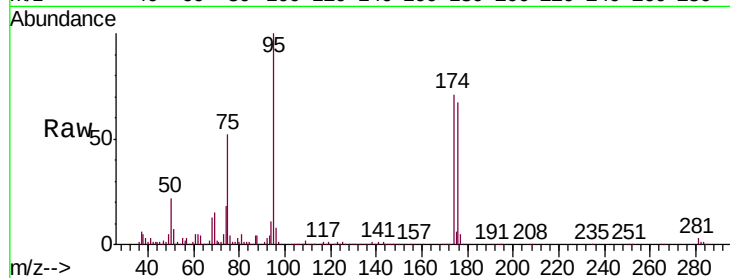




#76
 1,2,3-Trichloropropane
 Concen: 56.727 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012003.D
 Acq: 19 Aug 2019 21:20

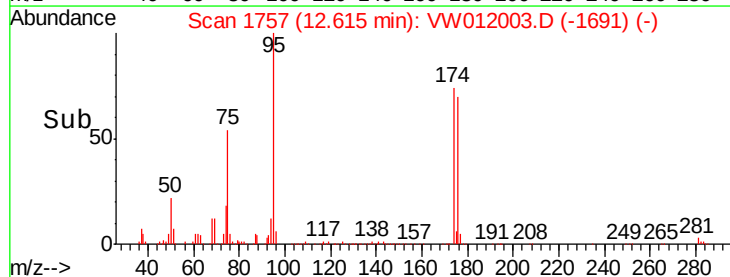
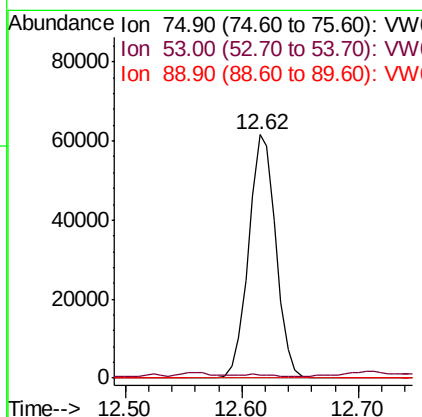
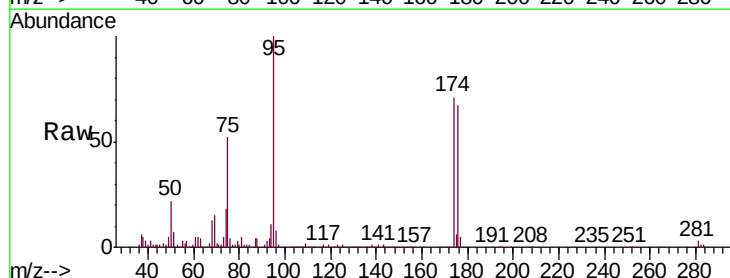
Instrument :
 MSVOA_W
 ClientSampled :
 S-CORNER-2

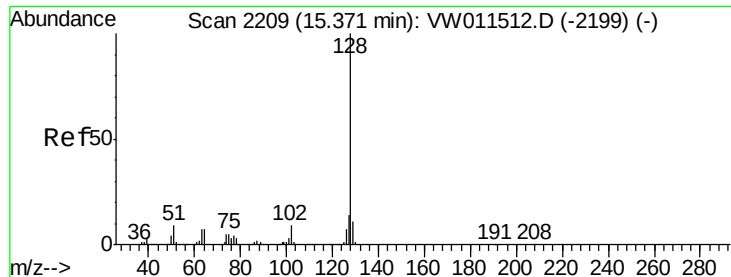
Tgt Ion: 75 Resp: 100591
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.736 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012003.D
 Acq: 19 Aug 2019 21:20

Tgt Ion: 75 Resp: 100591
 Ion Ratio Lower Upper
 75 100
 53 1.1 88.0 132.0#
 89 0.1 35.3 52.9#





#95
Naphthalene
Concen: 2.171 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW012003.D
Acq: 19 Aug 2019 21:20

Instrument :
MSVOA_W
ClientSampleId :
S-CORNER-2

Tgt Ion:128 Resp: 723
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 9.8 8.6 13.0

