

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012311.D
 Acq On : 29 Aug 2019 18:38
 Operator : SY/VA
 Sample : K4498-05RE
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BOTTOM-4RE

Quant Time: Aug 30 06:50:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	156523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	256372	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	186701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98628	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	96390	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
35) Dibromofluoromethane	7.88	113	77177	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	10.32	98	423922	68.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.64%	
62) 4-Bromofluorobenzene	12.62	95	163316	74.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	149.34%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.17	59	231	2.063	ug/l #	71
16) Acetone	4.12	43	42390	89.124	ug/l	97
17) Carbon Disulfide	4.38	76	5647	1.190	ug/l #	95
20) Methylene Chloride	4.92	84	9826	5.465	ug/l #	94
25) 2-Butanone	7.17	43	14287	22.105	ug/l	95
31) Cyclohexane	7.95	56	180133	53.748	ug/l	98
36) 1,1-Dichloropropene	7.94	75	13587	5.129	ug/l #	51
37) Ethyl Acetate	7.17	43	14287	9.841	ug/l #	74
38) Carbon Tetrachloride	7.94	117	15231	6.642	ug/l #	15
39) Methylcyclohexane	9.34	83	1306592	439.001	ug/l	99
43) Isopropyl Acetate	8.41	43	60984	22.678	ug/l #	56
45) 1,2-Dichloropropane	9.34	63	13292	6.827	ug/l #	1
47) Bromodichloromethane	9.61	83	16145	7.003	ug/l #	45
48) Methyl methacrylate	9.51	41	83143	64.960	ug/l #	57
51) 4-Methyl-2-Pentanone	10.25	43	20915	15.291	ug/l #	66
55) 1,1,2-Trichloroethane	10.76	97	381233	311.054	ug/l #	21
56) Ethyl methacrylate	10.66	69	178101	99.845	ug/l #	8
59) 2-Hexanone	10.93	43	1144169	1182.240	ug/l #	33
60) Dibromochloromethane	11.04	129	2114	1.549	ug/l #	31
65) Chlorobenzene	11.76	112	19286	5.246	ug/l #	42
67) Ethyl Benzene	11.73	91	185954	26.258	ug/l	99
68) m/p-Xylenes	11.84	106	92264	36.169	ug/l	94
69) o-Xylene	12.16	106	17171	7.273	ug/l	32
73) Isopropylbenzene	12.46	105	368315	49.837	ug/l	100
74) N-amyl acetate	12.25	43	1268245	568.000	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.69	83	54179	39.988	ug/l #	26
76) 1,2,3-Trichloropropane	12.80	75	3928	4.089	ug/l #	100
78) n-propylbenzene	12.80	91	540791	59.941	ug/l	99
79) 2-Chlorotoluene	12.94	91	49508	9.665	ug/l	91
80) 1,3,5-Trimethylbenzene	12.94	105	218821	35.435	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.46	75	4507	10.287	ug/l #	1
82) 4-Chlorotoluene	12.94	91	45433	8.471	ug/l	85
83) tert-Butylbenzene	13.21	119	50593	9.672	ug/l	83
84) 1,2,4-Trimethylbenzene	13.25	105	815009	131.383	ug/l	98

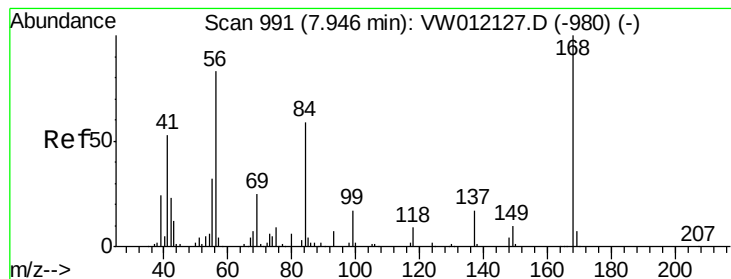
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.38	105	550674	73.478	ug/l	82
86) p-Isopropyltoluene	13.50	119	266103	39.759	ug/l	98
89) n-Butylbenzene	13.82	91	529813	79.603	ug/l #	75
90) Hexachloroethane	14.10	117	268582	228.726	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.50	75	6440	28.195	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.17	180	16345	8.621	ug/l #	1
95) Naphthalene	15.37	128	2255148	558.124	ug/l	97
96) 1,2,3-Trichlorobenzene	15.58	180	15643	9.457	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

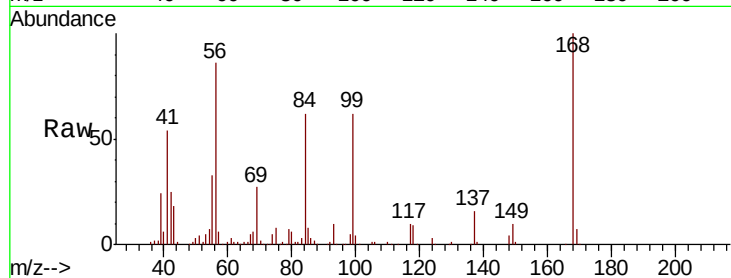
BOTTOM-4RE

Tgt Ion: 168 Resp: 156523

Ion Ratio Lower Upper

168 100

99 61.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

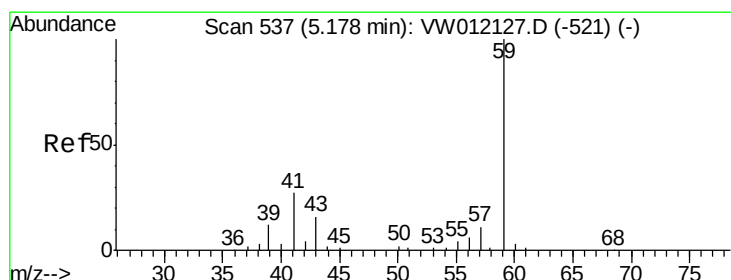
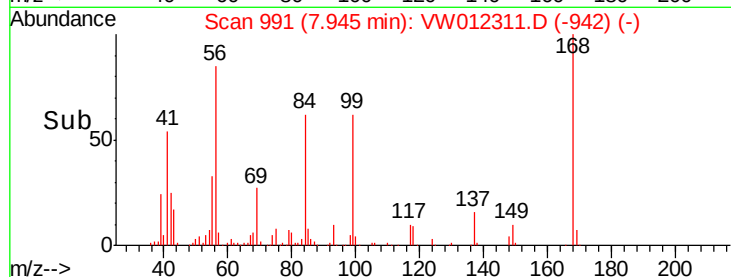
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.063 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW012311.D

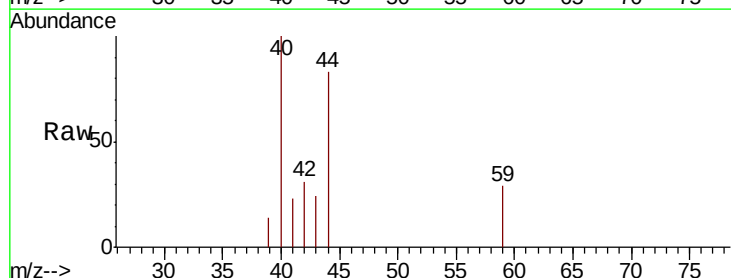
Acq: 29 Aug 2019 18:38

Tgt Ion: 59 Resp: 231

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

200

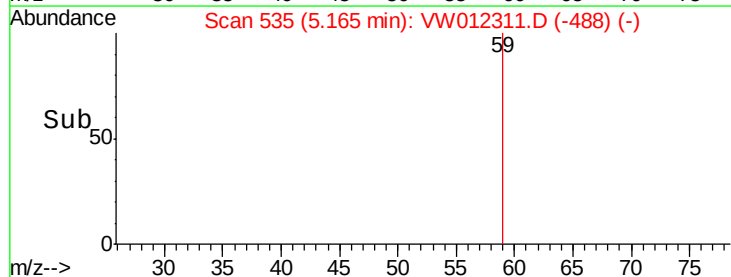
150

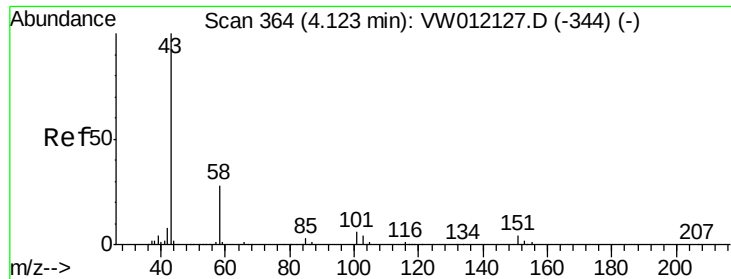
100

50

0

Time--> 5.12 5.14 5.16 5.18

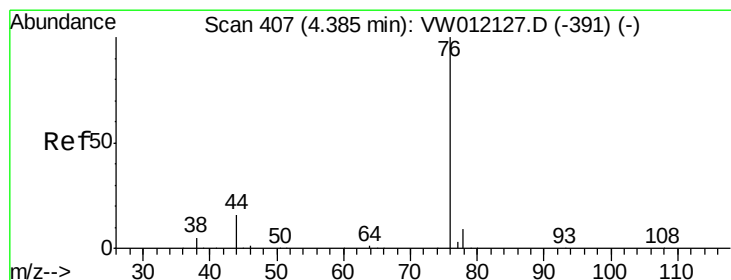
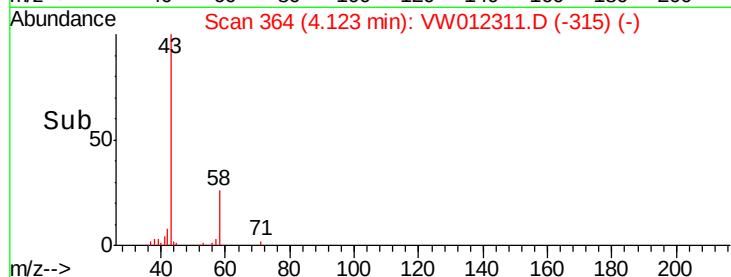
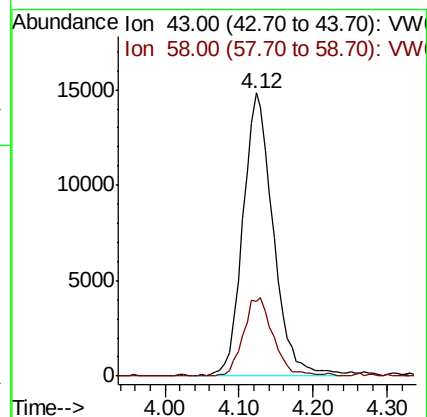
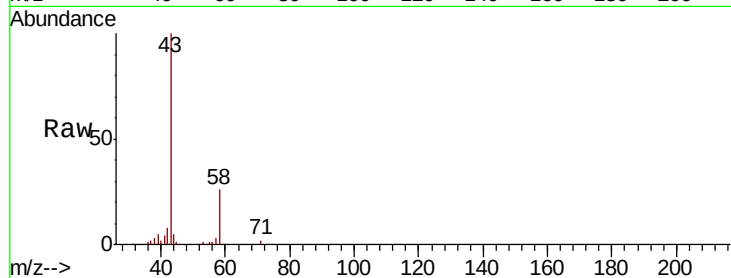




#16
Acetone
Concen: 89.124 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

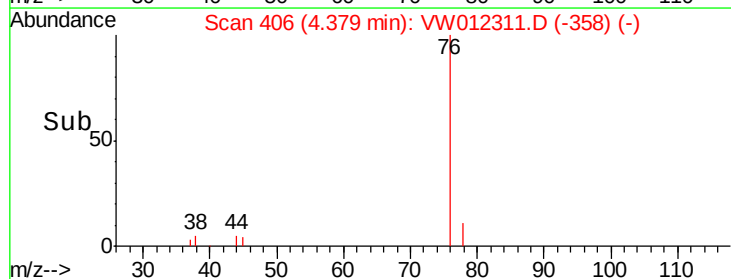
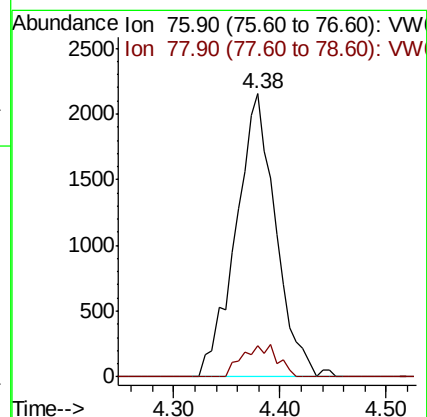
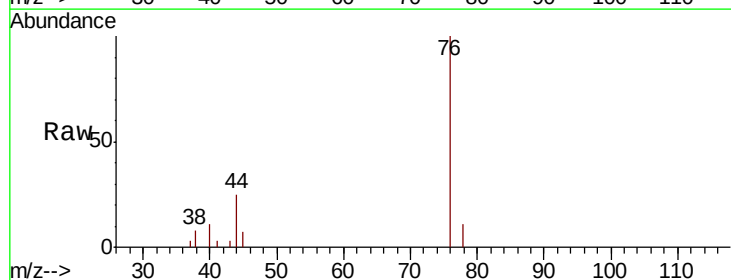
Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-4RE

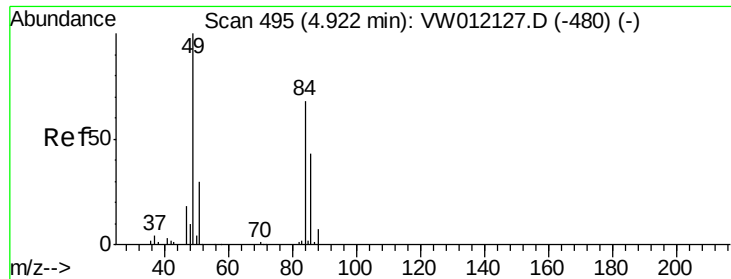
Tgt Ion: 43 Resp: 42390
Ion Ratio Lower Upper
43 100
58 26.4 22.4 33.6



#17
Carbon Disulfide
Concen: 1.190 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Tgt Ion: 76 Resp: 5647
Ion Ratio Lower Upper
76 100
78 11.0 7.3 10.9#

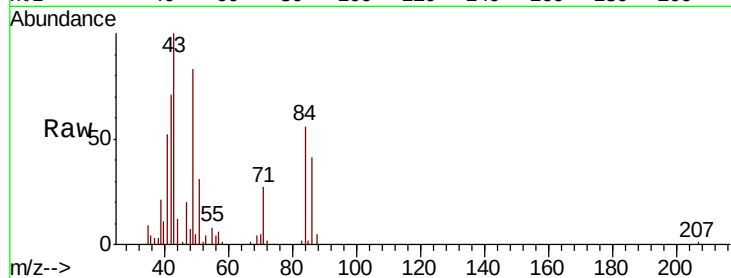




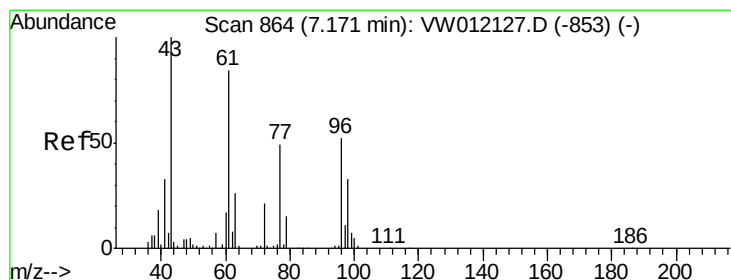
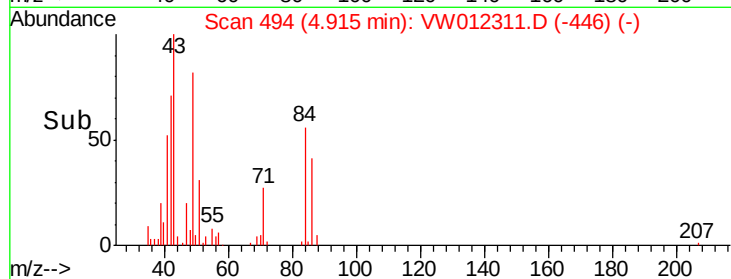
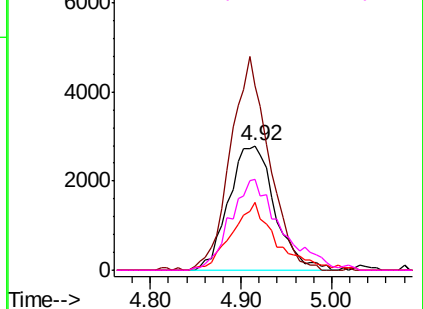
#20
Methylene Chloride
Concen: 5.465 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-4RE

Tgt Ion: 84 Resp: 9826
Ion Ratio Lower Upper
84 100
49 148.0 117.8 176.8
51 54.9 35.6 53.4#
86 72.9 51.2 76.8

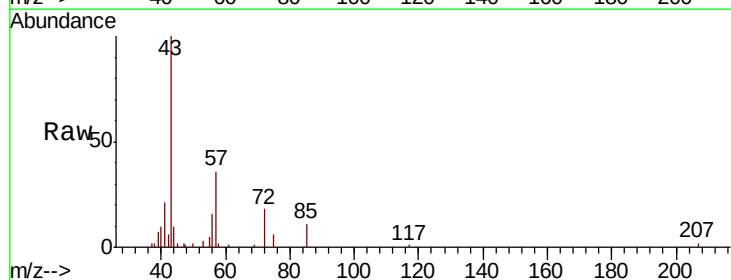


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

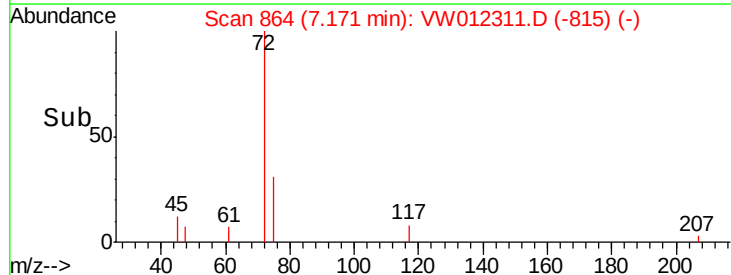
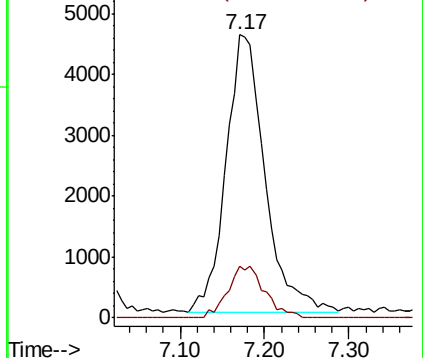


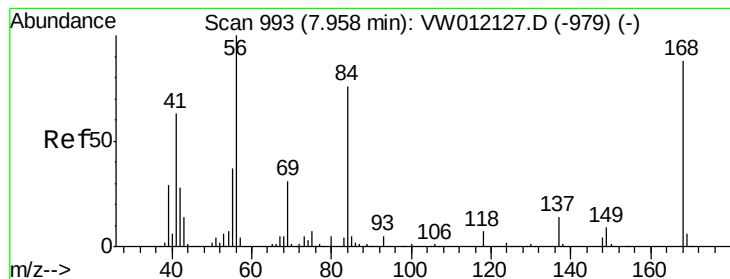
#25
2-Butanone
Concen: 22.105 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Tgt Ion: 43 Resp: 14287
Ion Ratio Lower Upper
43 100
72 18.5 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 53.748 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-4RE

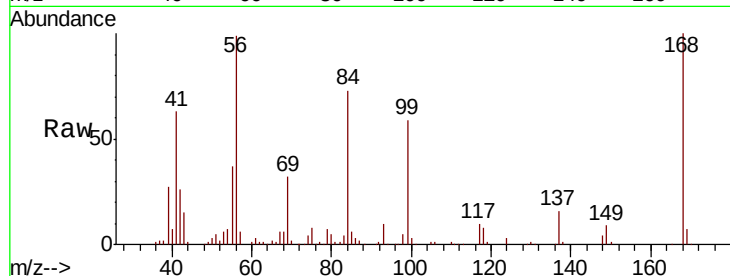
Tgt Ion: 56 Resp: 180133

Ion Ratio Lower Upper

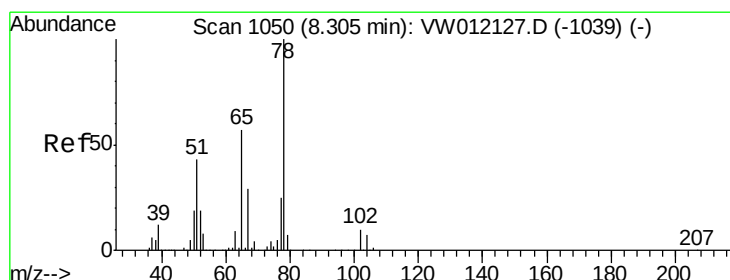
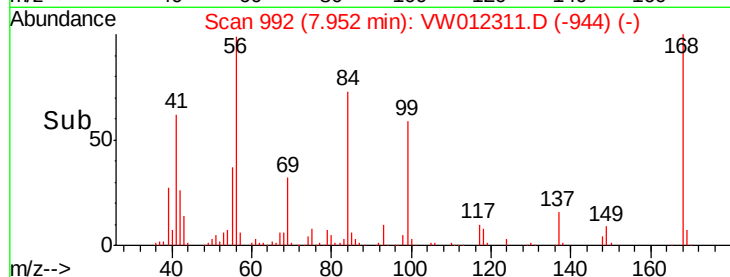
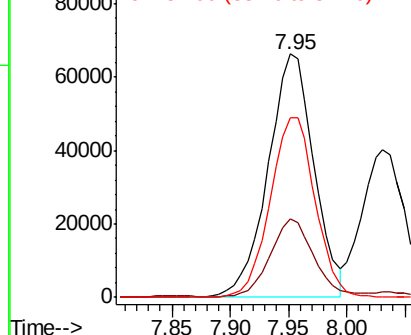
56 100

69 31.7 24.9 37.3

84 74.2 60.6 90.8



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: 51.804 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012311.D

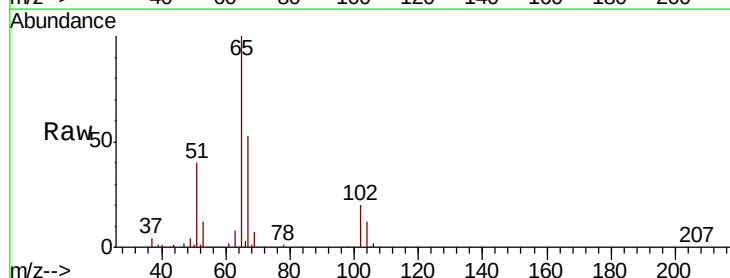
Acq: 29 Aug 2019 18:38

Tgt Ion: 65 Resp: 96390

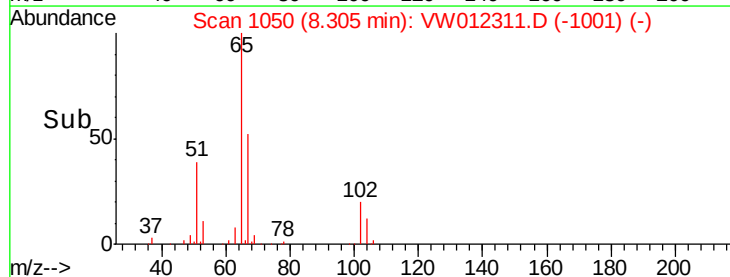
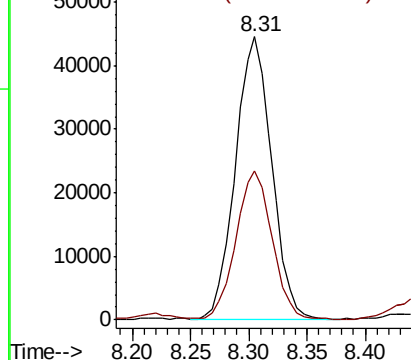
Ion Ratio Lower Upper

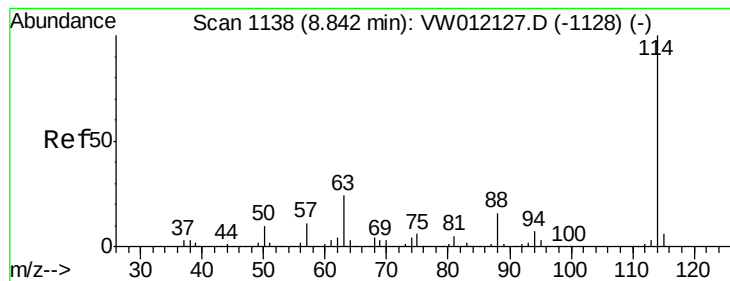
65 100

67 52.2 0.0 102.6



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: VW012311.D

Acq: 29 Aug 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-4RE

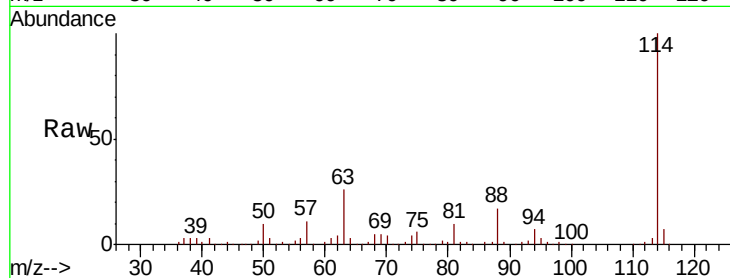
Tgt Ion:114 Resp: 256372

Ion Ratio Lower Upper

114 100

63 25.5 0.0 48.6

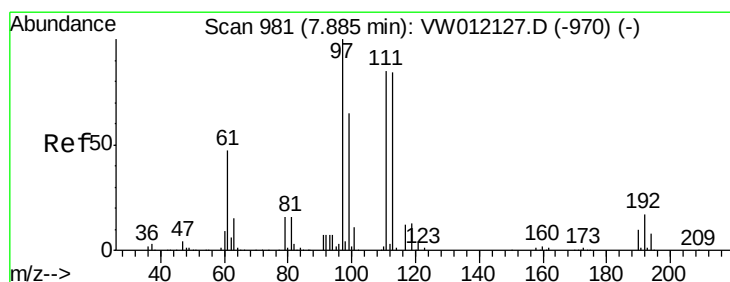
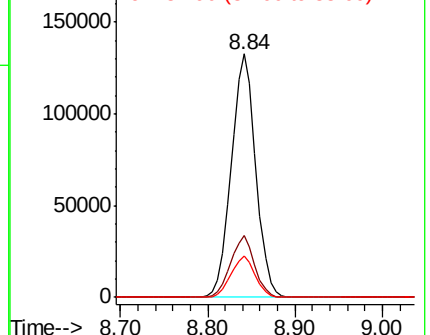
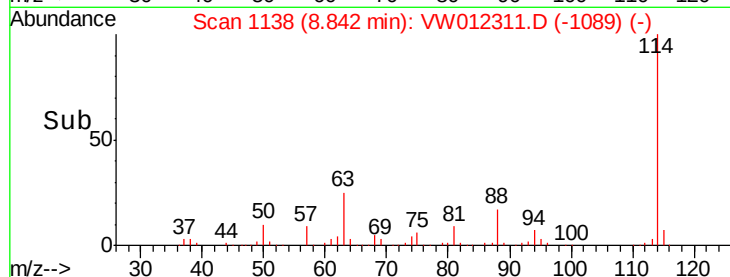
88 16.8 0.0 32.2



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: 50.433 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

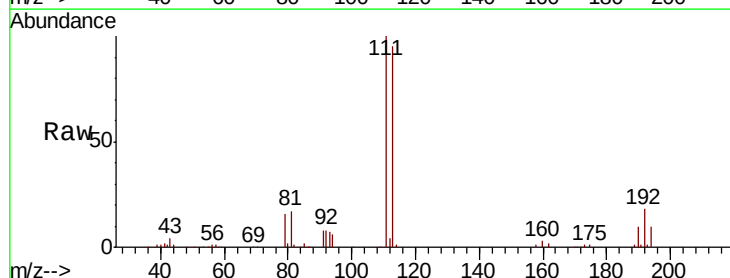
Tgt Ion:113 Resp: 77177

Ion Ratio Lower Upper

113 100

111 104.4 82.7 124.1

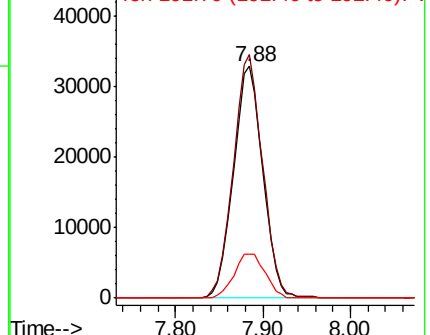
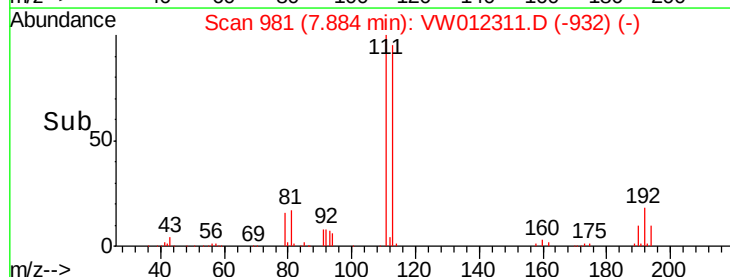
192 20.3 16.2 24.2

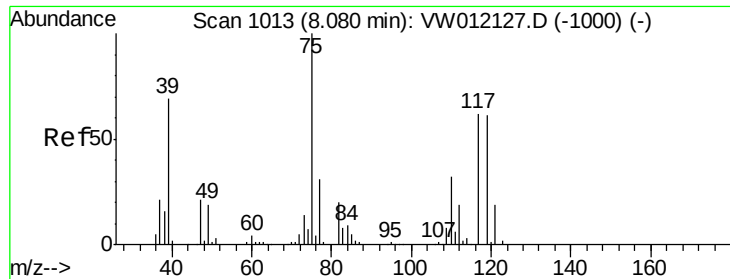


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

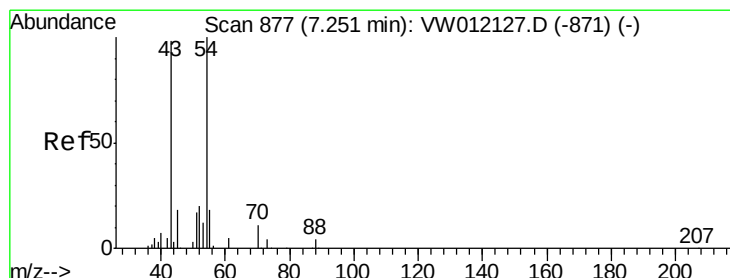
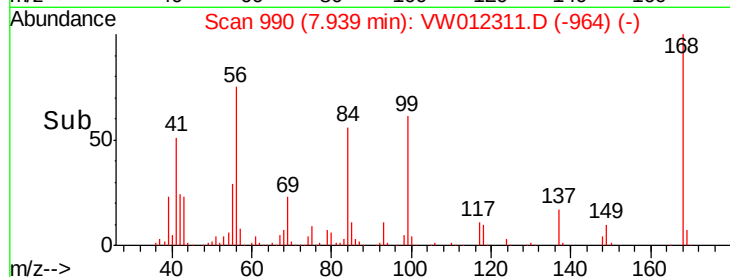
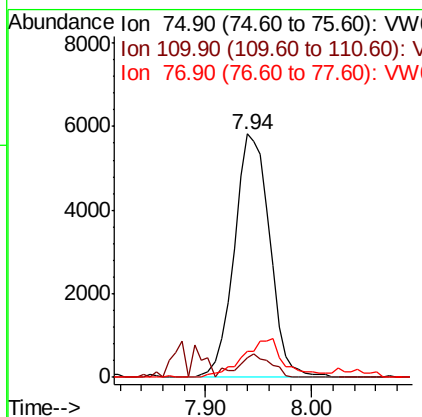
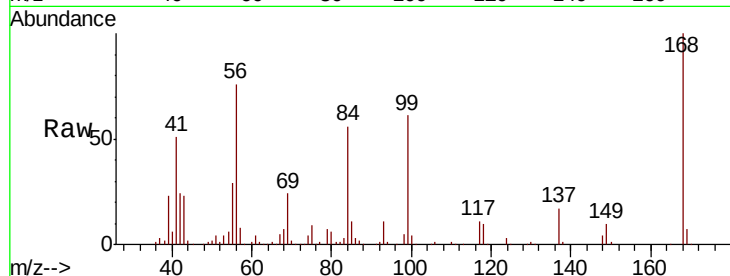




#36
 1,1-Dichloropropene
 Concen: 5.129 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012311.D
 Acq: 29 Aug 2019 18:38

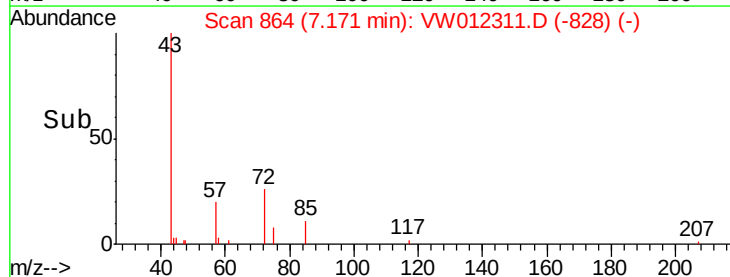
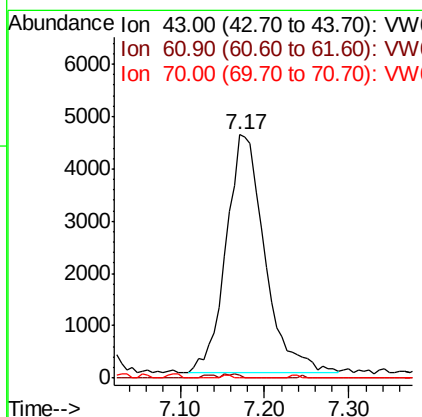
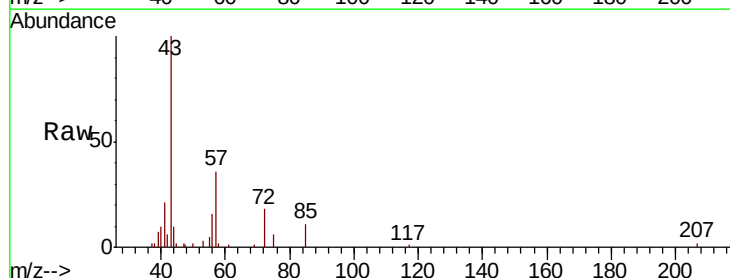
Instrument :
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 BOTTOM-4RE

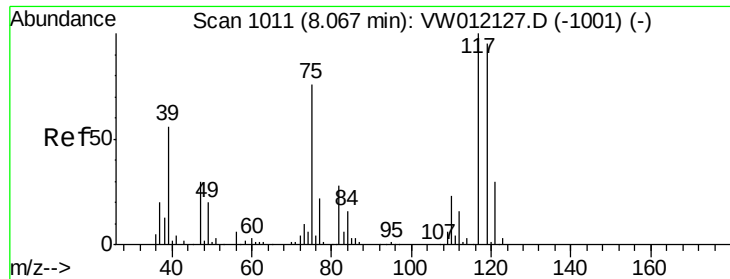
Tgt Ion: 75 Resp: 13587
 Ion Ratio Lower Upper
 75 100
 110 7.9 15.6 46.8#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 9.841 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW012311.D
 Acq: 29 Aug 2019 18:38

Tgt Ion: 43 Resp: 14287
 Ion Ratio Lower Upper
 43 100
 61 0.7 9.2 13.8#
 70 0.0 6.9 10.3#





#38

Carbon Tetrachloride

Concen: 6.642 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-4RE

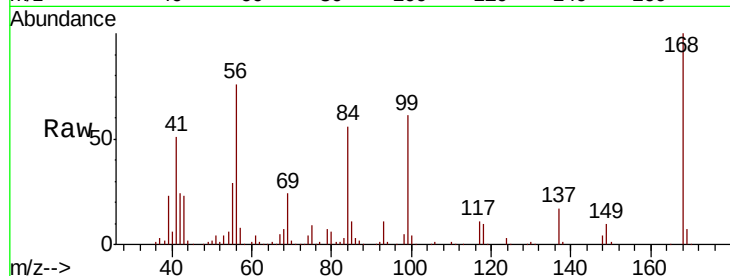
Tgt Ion:117 Resp: 15231

Ion Ratio Lower Upper

117 100

119 3.5 76.2 114.2#

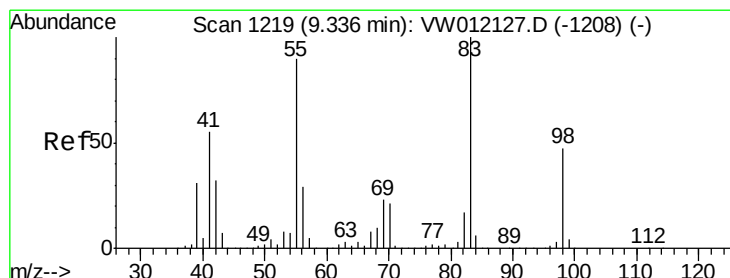
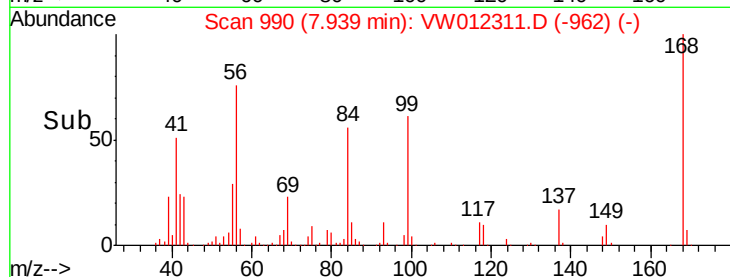
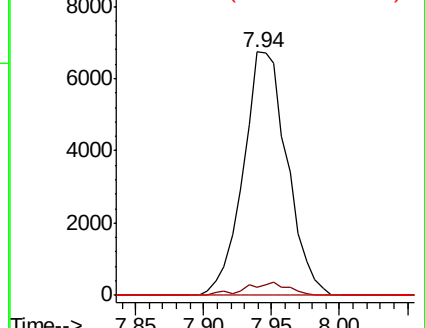
121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 439.001 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

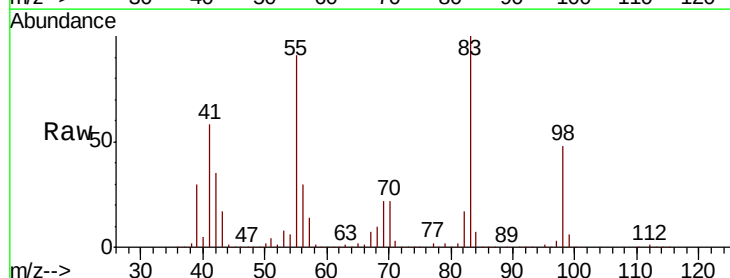
Tgt Ion: 83 Resp: 1306592

Ion Ratio Lower Upper

83 100

55 90.7 71.8 107.8

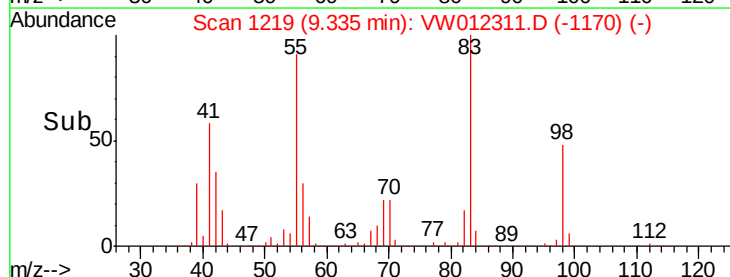
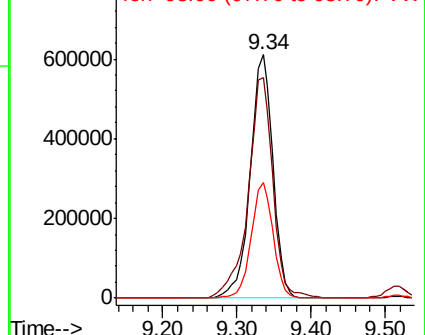
98 47.6 37.8 56.8

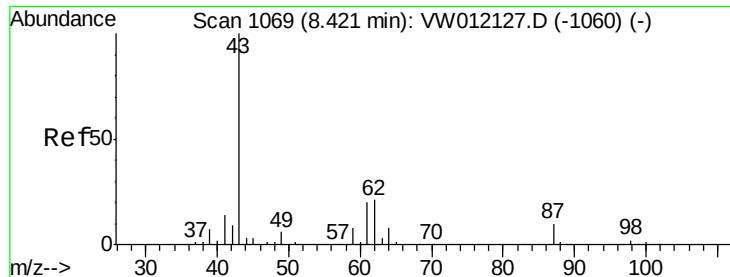


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#43

Isopropyl Acetate

Concen: 22.678 ug/l

RT: 8.41 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-4RE

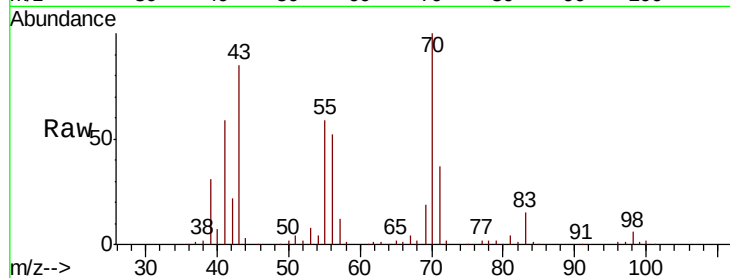
Tgt Ion: 43 Resp: 60984

Ion Ratio Lower Upper

43 100

61 0.6 21.1 31.7#

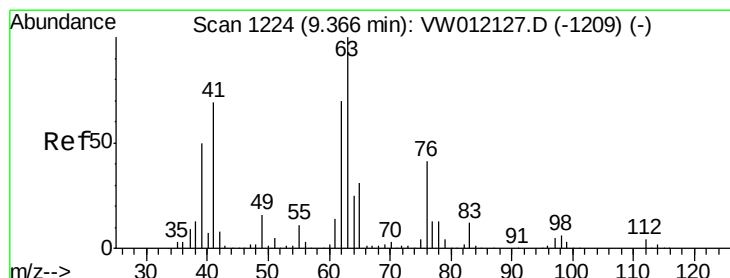
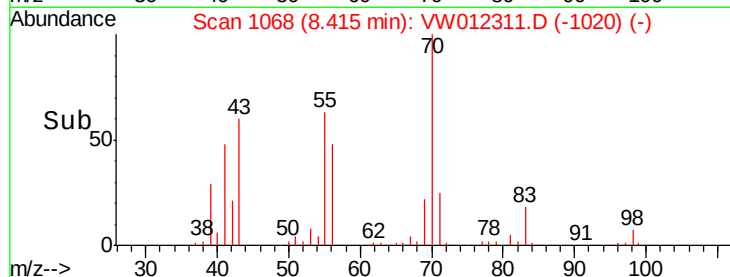
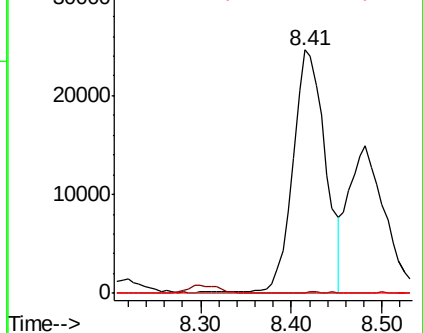
87 0.0 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#45

1,2-Dichloropropane

Concen: 6.827 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.03 min

Lab File: VW012311.D

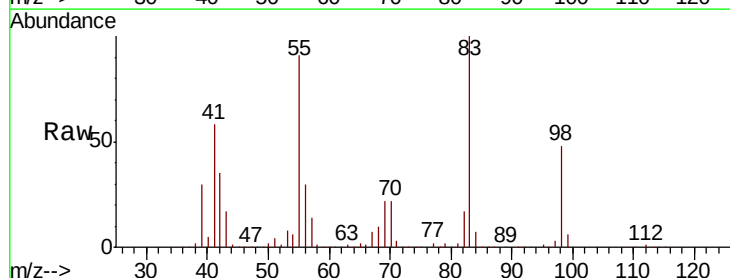
Acq: 29 Aug 2019 18:38

Tgt Ion: 63 Resp: 13292

Ion Ratio Lower Upper

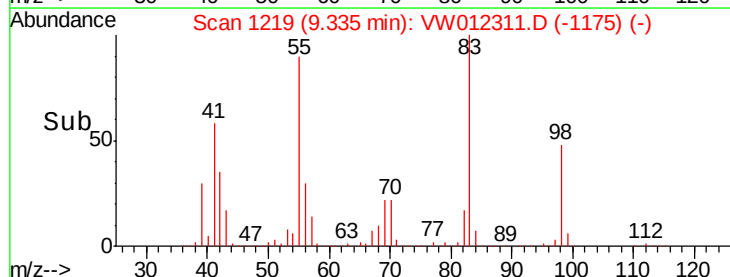
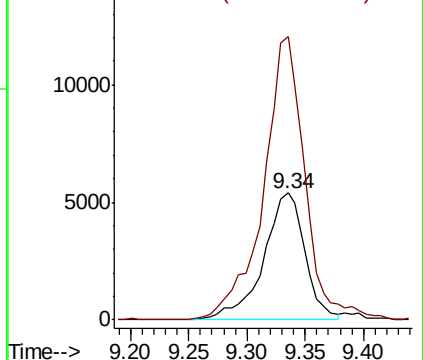
63 100

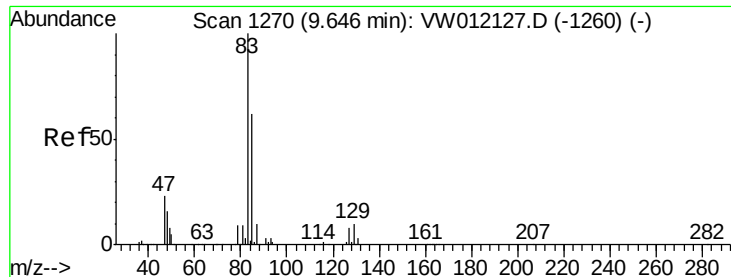
65 223.1 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW





#47

Bromodichloromethane

Concen: 7.003 ug/l

RT: 9.61 min Scan# 1264

Delta R.T. -0.04 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-4RE

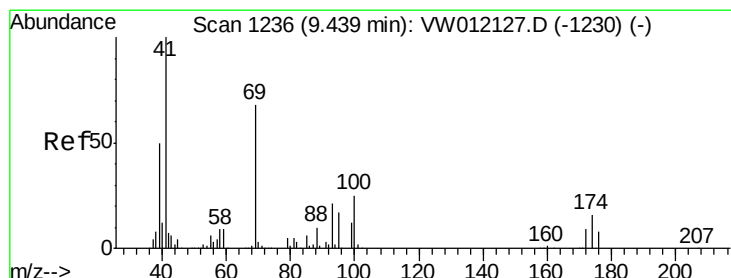
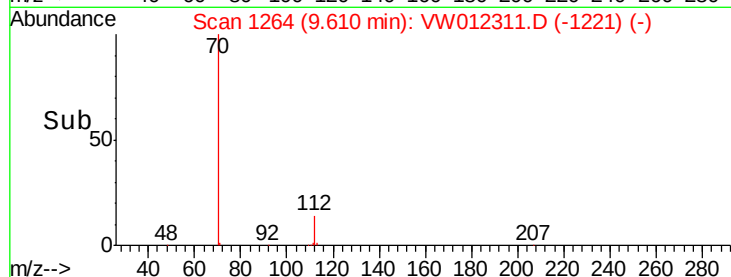
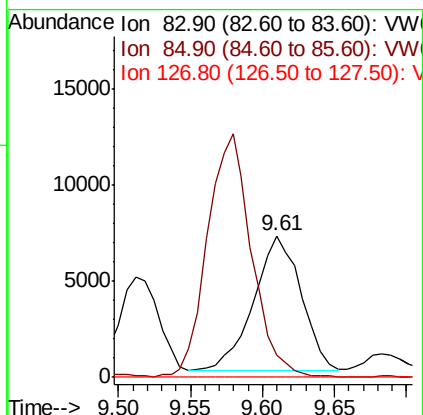
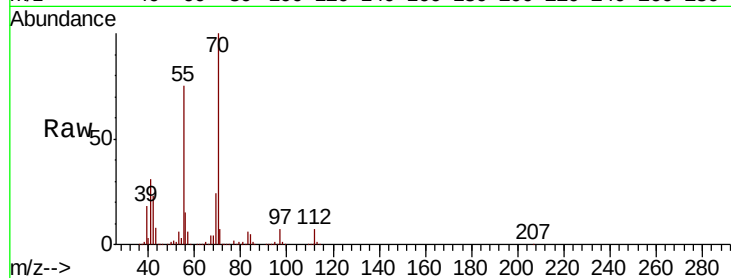
Tgt Ion: 83 Resp: 16145

Ion Ratio Lower Upper

83 100

85 16.1 49.4 74.2#

127 0.0 6.1 9.1#



#48

Methyl methacrylate

Concen: 64.960 ug/l

RT: 9.51 min Scan# 1248

Delta R.T. 0.07 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

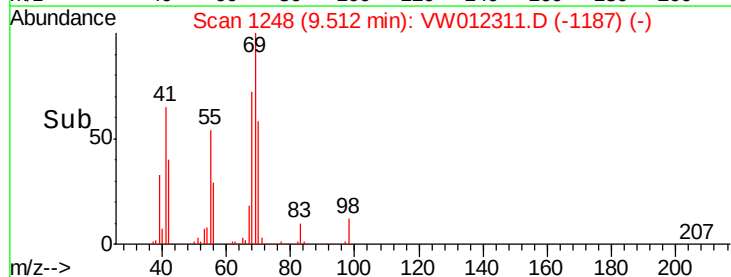
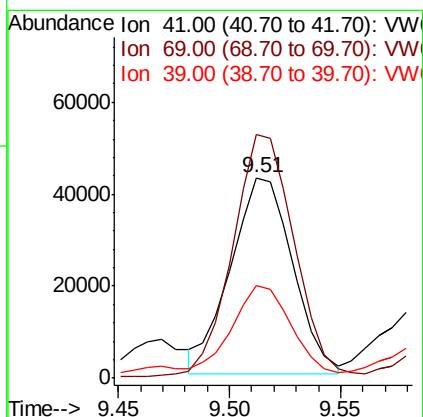
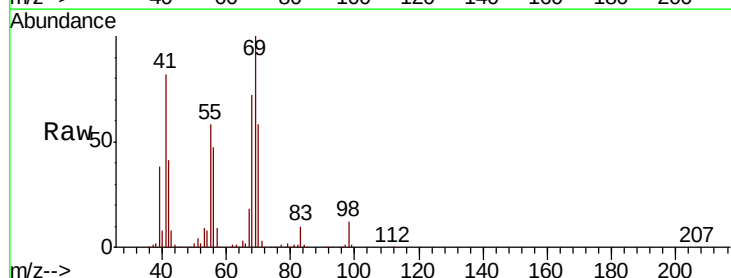
Tgt Ion: 41 Resp: 83143

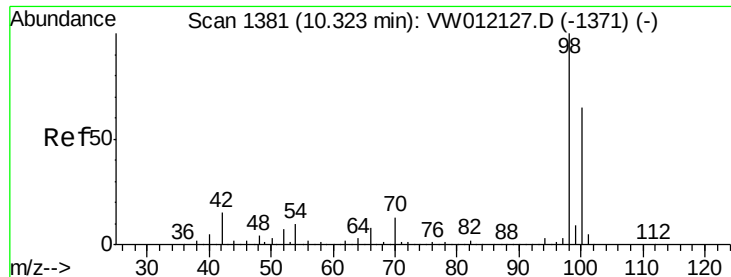
Ion Ratio Lower Upper

41 100

69 122.5 56.7 85.1#

39 40.6 42.0 63.0#





#50

Toluene-d8

Concen: 68.321 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

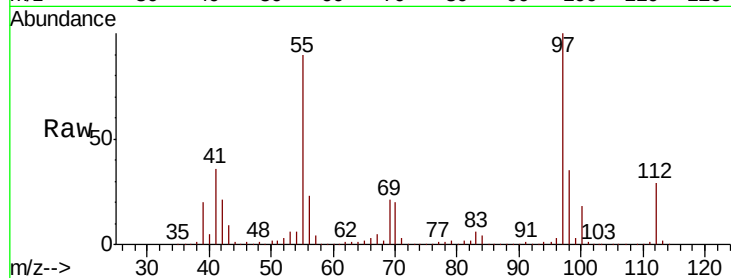
BOTTOM-4RE

Tgt Ion: 98 Resp: 423922

Ion Ratio Lower Upper

98 100

100 46.4 52.4 78.6#



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

200000

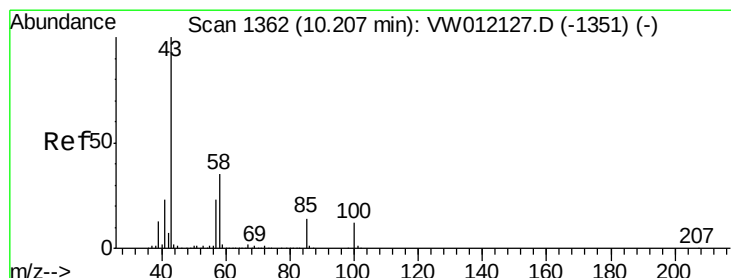
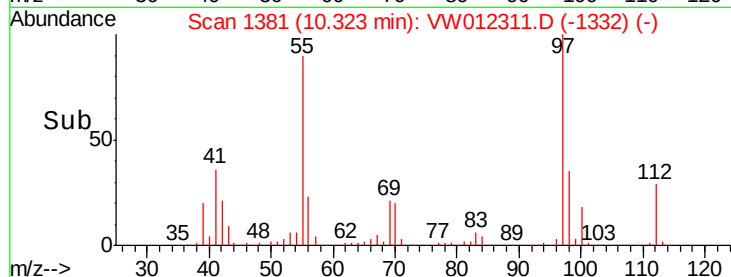
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 15.291 ug/l

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW012311.D

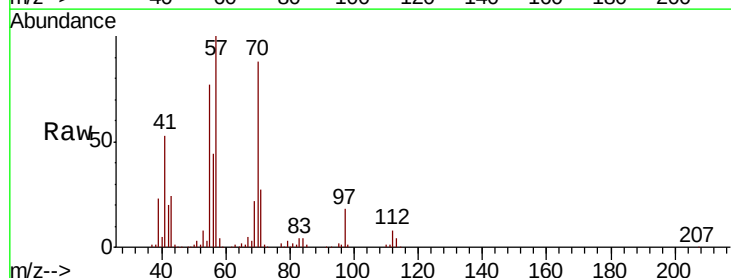
Acq: 29 Aug 2019 18:38

Tgt Ion: 43 Resp: 20915

Ion Ratio Lower Upper

43 100

58 15.3 28.2 42.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

120000

100000

80000

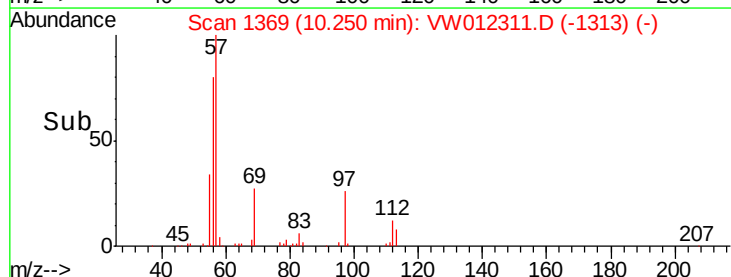
60000

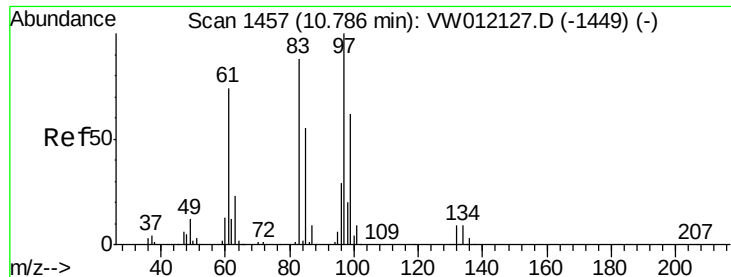
40000

20000

0

Time-->

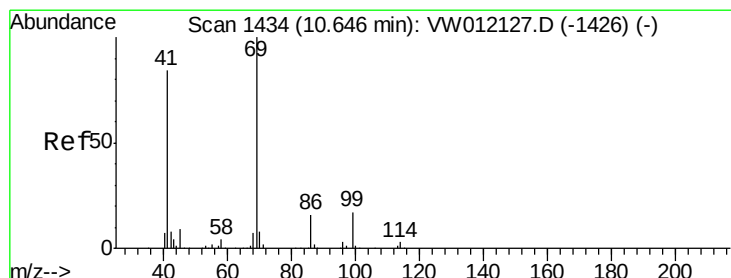
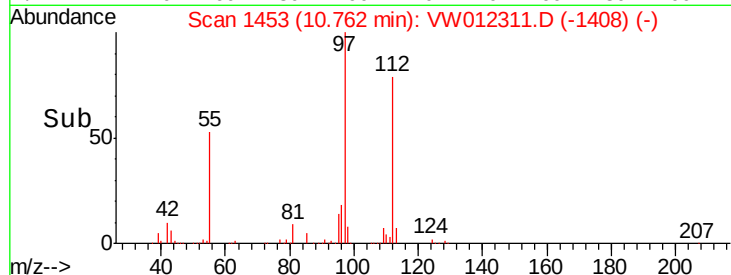
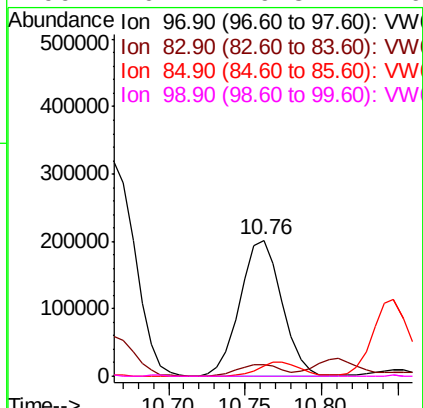
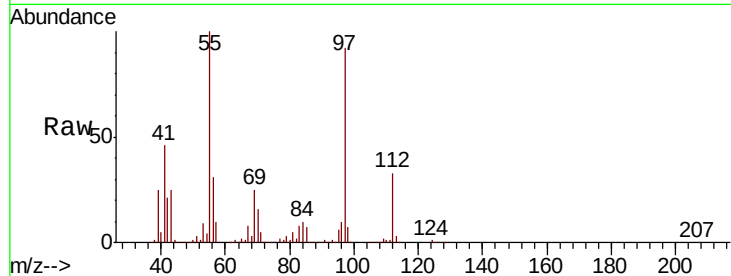




#55
 1,1,2-Trichloroethane
 Concen: 311.054 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW012311.D
 Acq: 29 Aug 2019 18:38

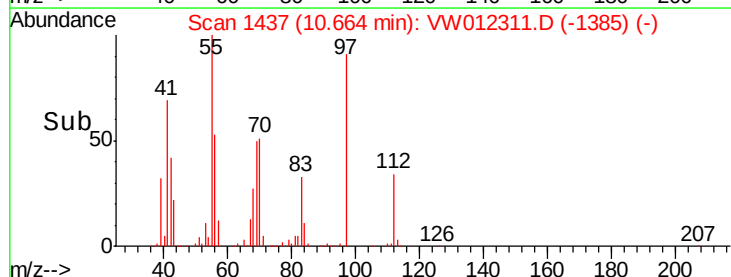
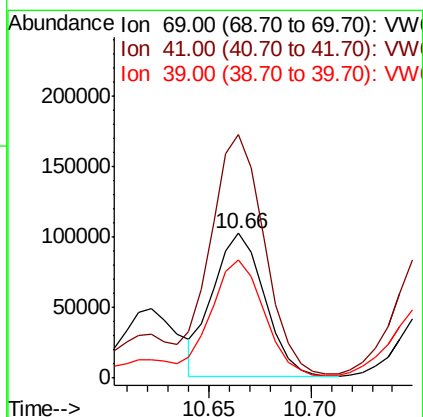
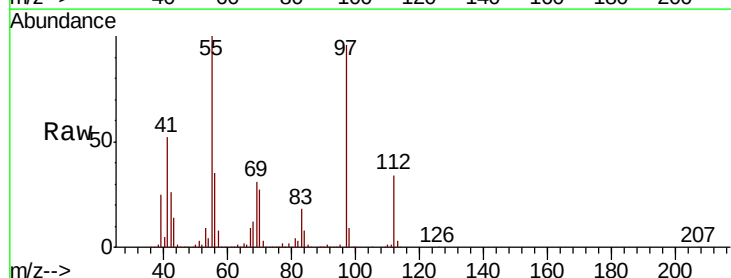
Instrument :
 MSVOA_W
 ClientSampleId :
 BOTTOM-4RE

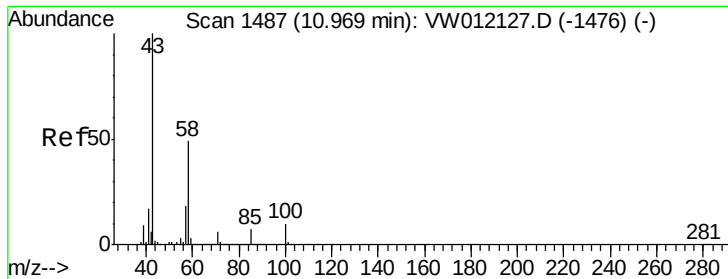
Tgt Ion	Resp	Lower	Upper
97	381233		
83	100	70.8	106.2#
85	7.3	43.8	65.8#
99	0.2	49.8	74.6#



#56
 Ethyl methacrylate
 Concen: 99.845 ug/l
 RT: 10.66 min Scan# 1437
 Delta R.T. 0.02 min
 Lab File: VW012311.D
 Acq: 29 Aug 2019 18:38

Tgt Ion	Resp	Lower	Upper
69	178101		
41	100	66.5	99.7#
39	82.7	31.0	46.4#

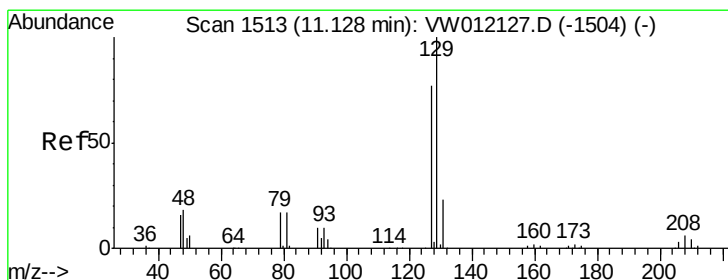
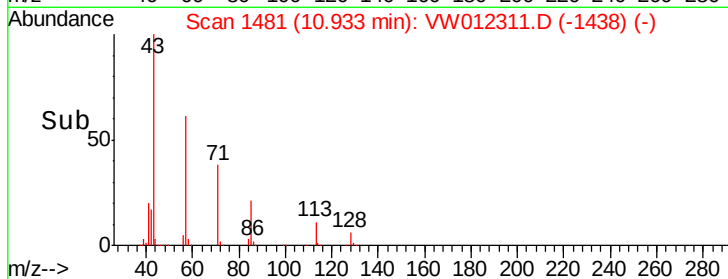
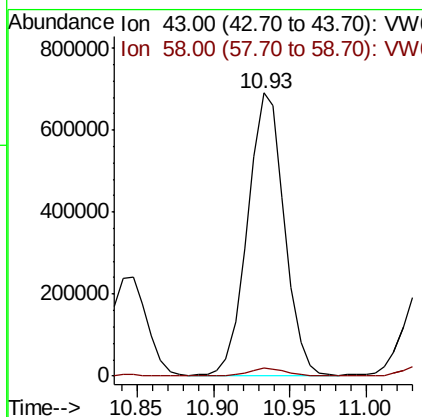
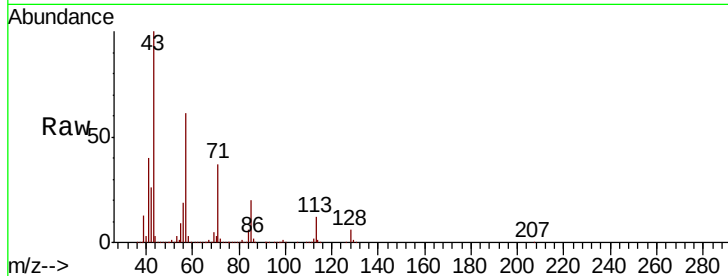




#59
2-Hexanone
Concen: 1182.240 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

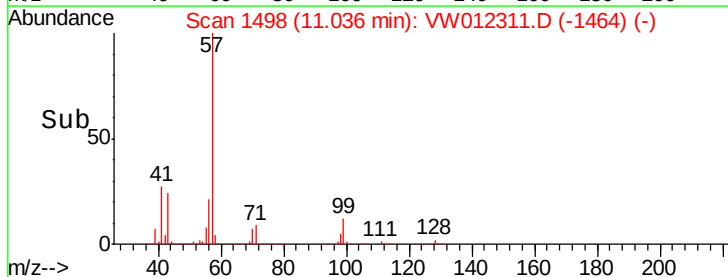
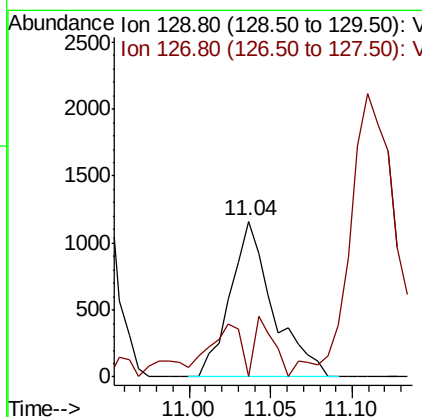
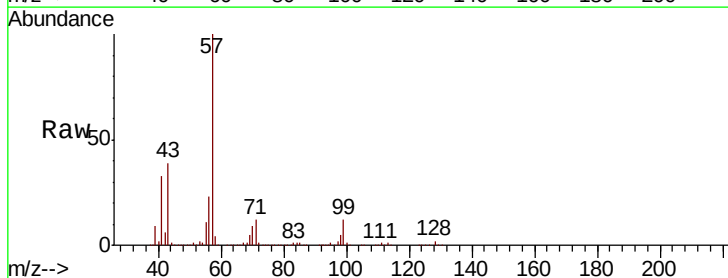
Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-4RE

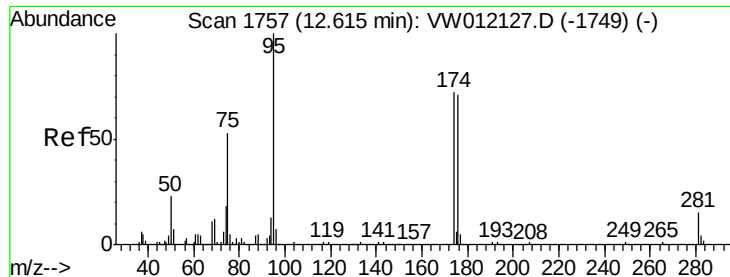
Tgt Ion: 43 Resp: 1144169
Ion Ratio Lower Upper
43 100
58 2.9 24.3 72.9#



#60
Dibromochloromethane
Concen: 1.549 ug/l
RT: 11.04 min Scan# 1498
Delta R.T. -0.09 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Tgt Ion: 129 Resp: 2114
Ion Ratio Lower Upper
129 100
127 17.3 38.6 115.8#

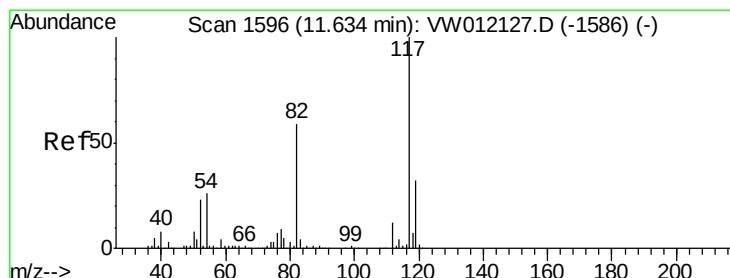
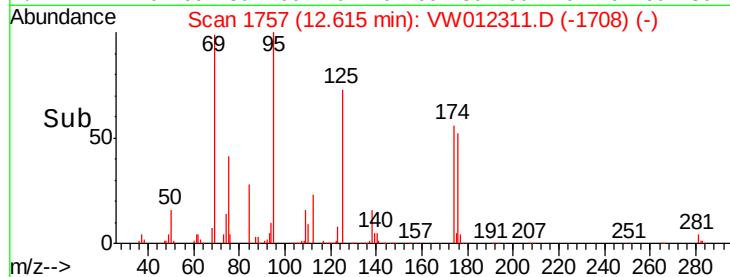
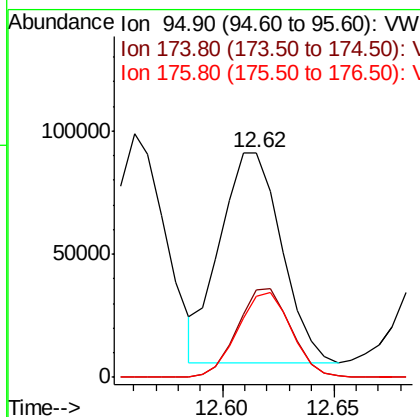
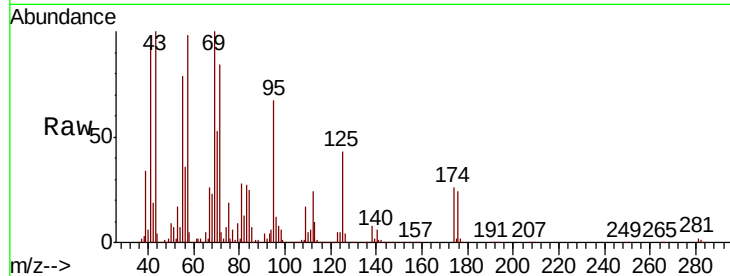




#62
4-Bromofluorobenzene
Concen: 74.668 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

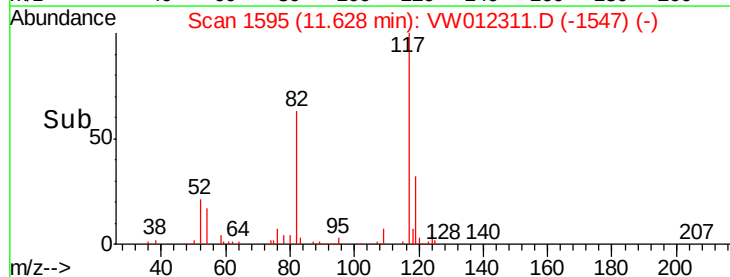
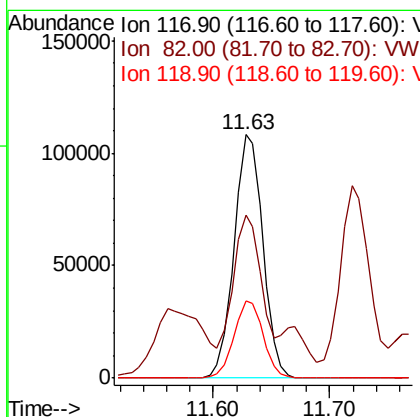
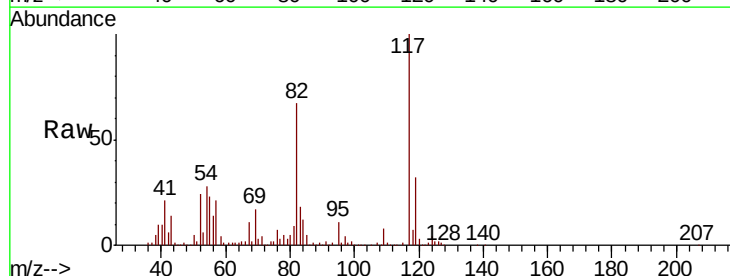
Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-4RE

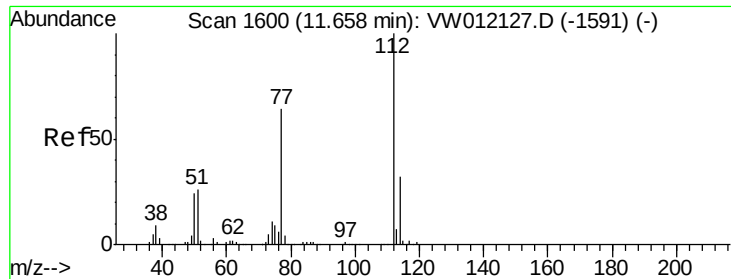
Tgt Ion	Resp	Lower	Upper
95	163316		
174	36.9	0.0	150.8
176	35.5	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Tgt Ion	Resp	Lower	Upper
117	186701		
82	41.3	47.4	71.2#
119	31.6	25.4	38.2

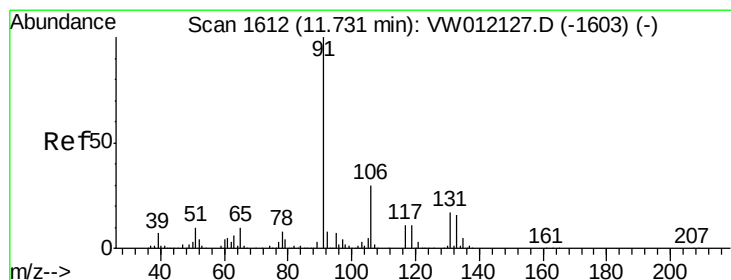
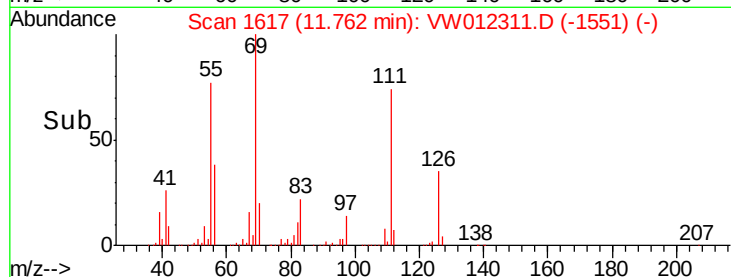
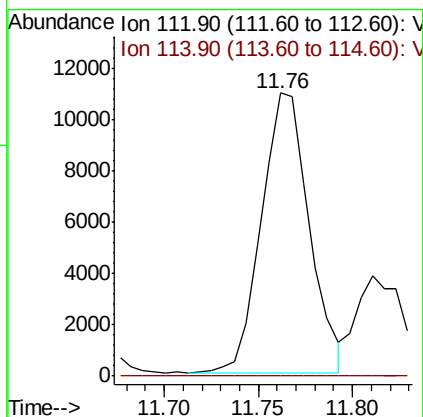
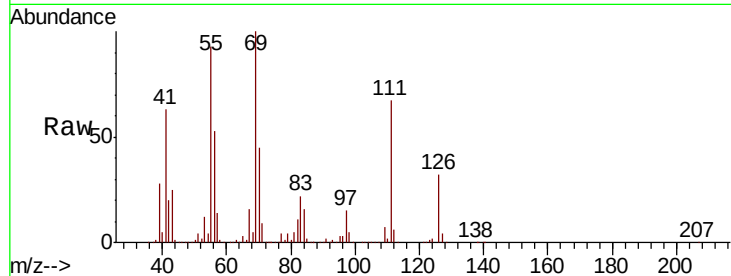




#65
Chlorobenzene
Concen: 5.246 ug/l
RT: 11.76 min Scan# 1617
Delta R.T. 0.10 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

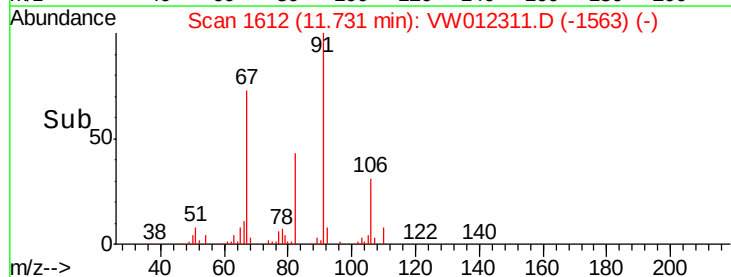
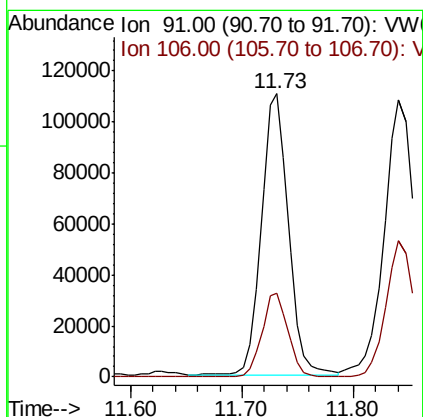
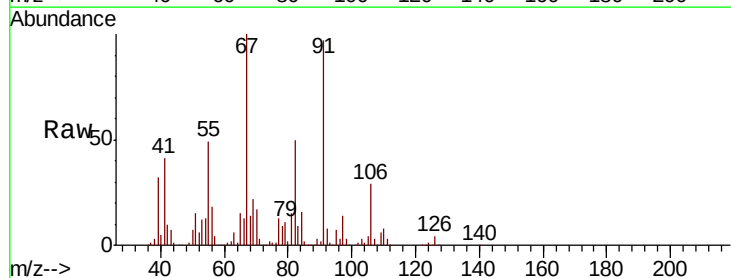
Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-4RE

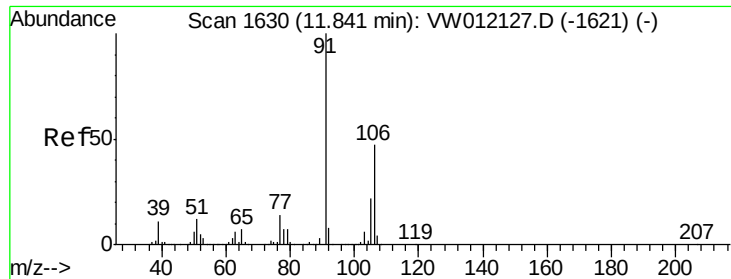
Tgt Ion: 112 Resp: 19286
Ion Ratio Lower Upper
112 100
114 0.0 25.8 38.6#



#67
Ethyl Benzene
Concen: 26.258 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Tgt Ion: 91 Resp: 185954
Ion Ratio Lower Upper
91 100
106 29.8 24.3 36.5

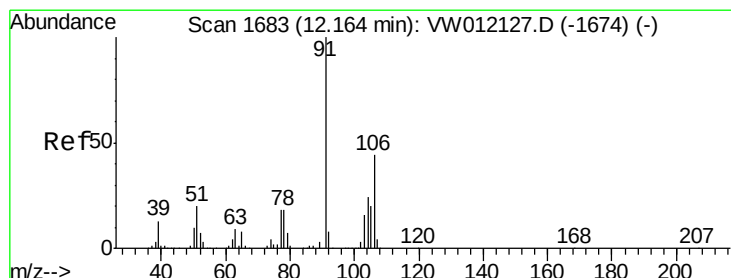
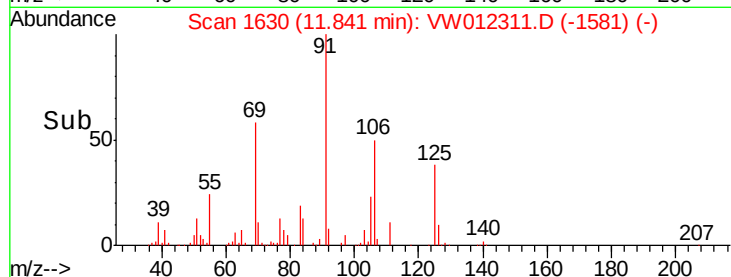
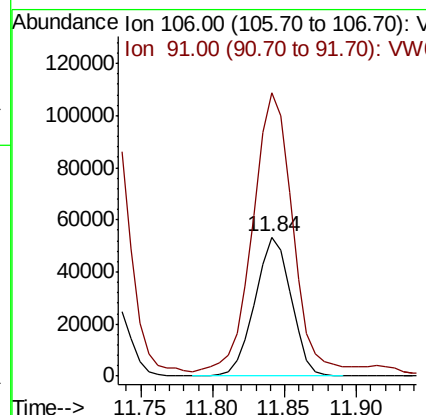
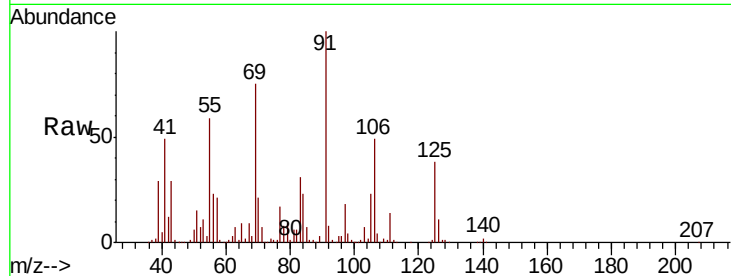




#68
m/p-Xylenes
Concen: 36.169 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

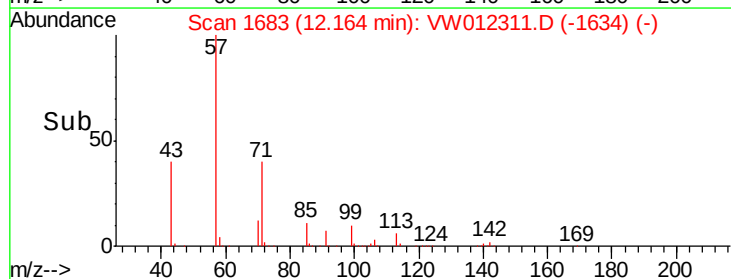
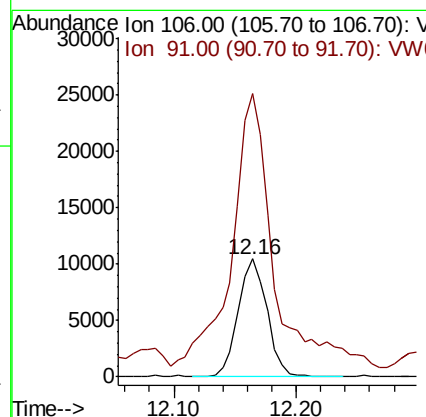
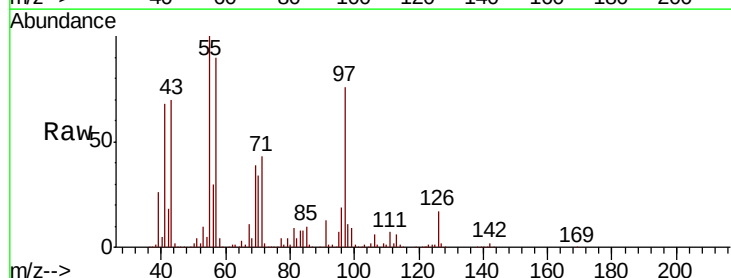
Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-4RE

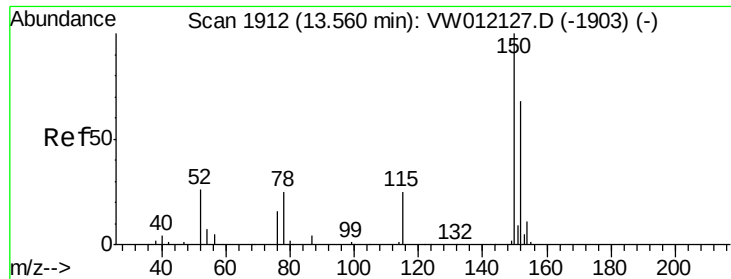
Tgt Ion:106 Resp: 92264
Ion Ratio Lower Upper
106 100
91 220.7 169.5 254.3



#69
o-Xylene
Concen: 7.273 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Tgt Ion:106 Resp: 17171
Ion Ratio Lower Upper
106 100
91 333.3 111.6 334.6

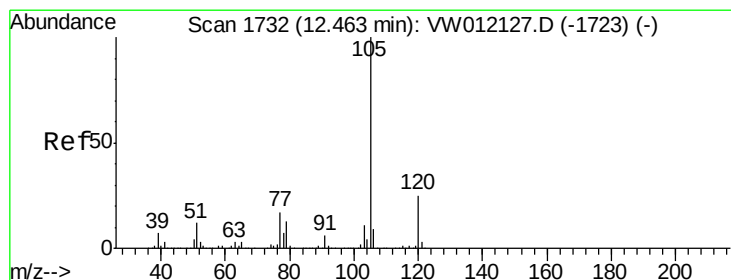
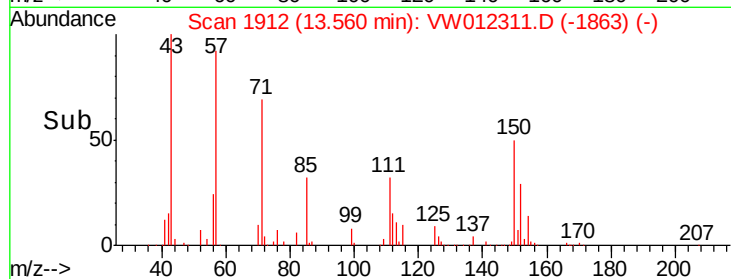
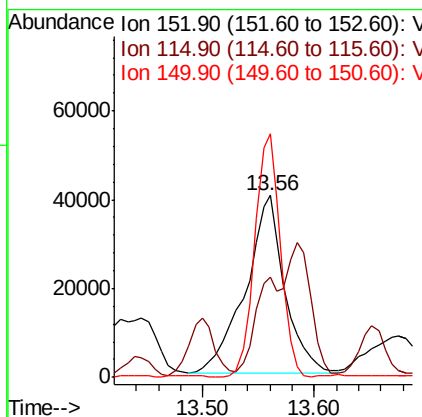
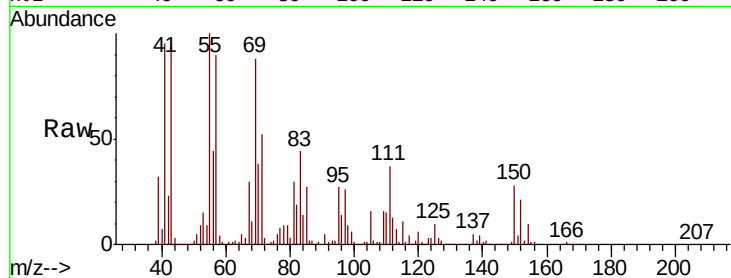




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW012311.D
 Acq: 29 Aug 2019 18:38

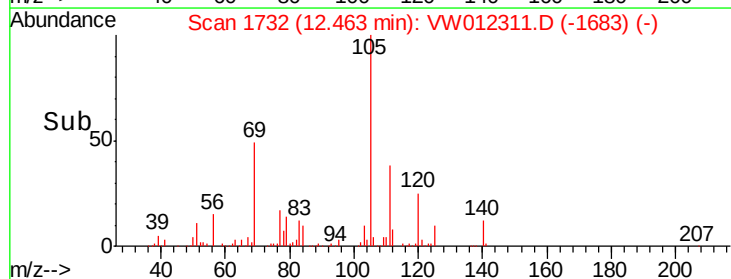
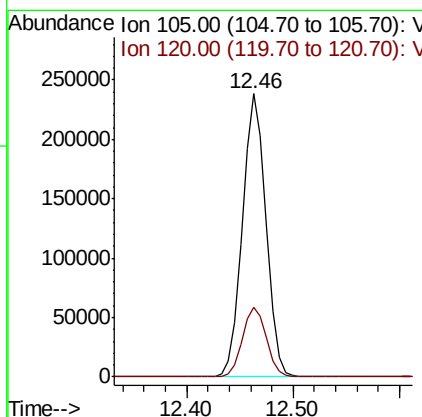
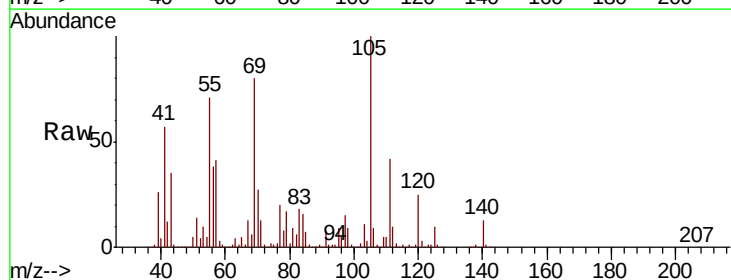
Instrument :
 MSVOA_W
 ClientSampleId :
 BOTTOM-4RE

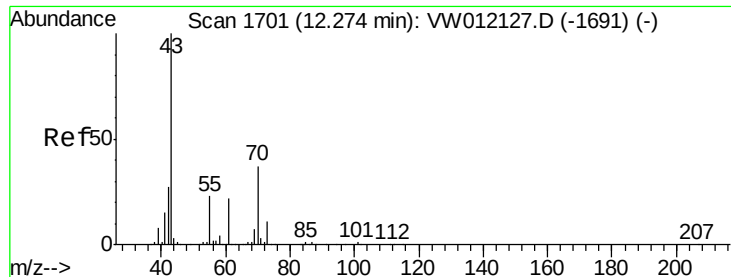
Tgt Ion:152 Resp: 98628
 Ion Ratio Lower Upper
 152 100
 115 30.1 30.1 90.3#
 150 88.4 0.0 345.8



#73
 Isopropylbenzene
 Concen: 49.837 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW012311.D
 Acq: 29 Aug 2019 18:38

Tgt Ion:105 Resp: 368315
 Ion Ratio Lower Upper
 105 100
 120 25.1 12.5 37.5





#74

N-amyI acetate

Concen: 568.000 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-4RE

Tgt Ion: 43 Resp: 1268245

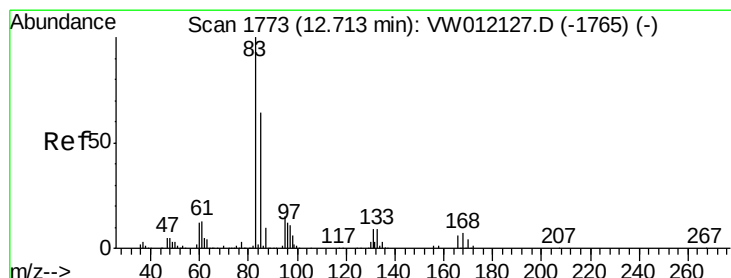
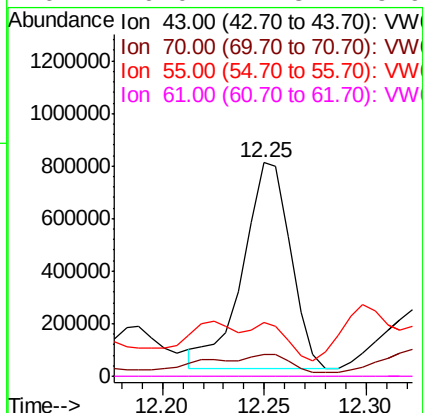
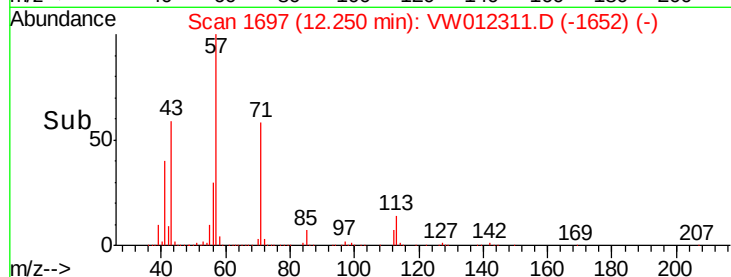
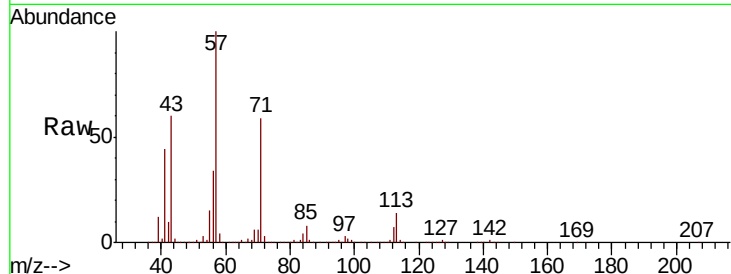
Ion Ratio Lower Upper

43 100

70 14.9 28.6 43.0#

55 0.0 17.8 26.6#

61 0.0 17.3 25.9#



#75

1,1,2,2-Tetrachloroethane

Concen: 39.988 ug/l

RT: 12.69 min Scan# 1769

Delta R.T. -0.02 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

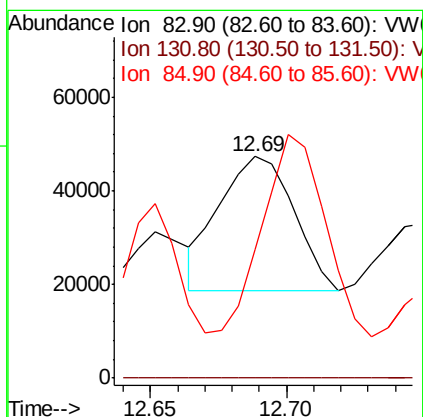
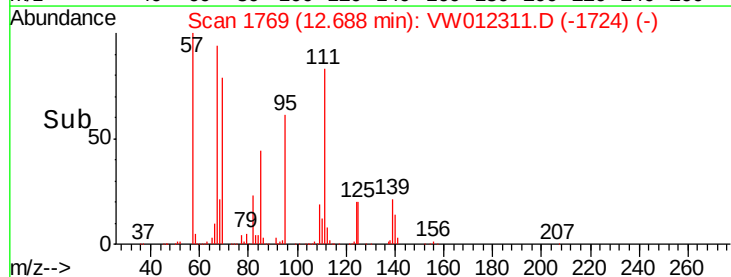
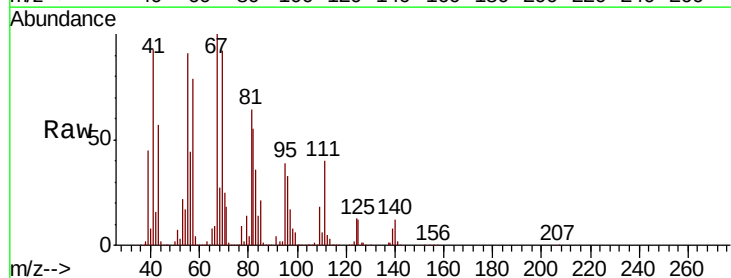
Tgt Ion: 83 Resp: 54179

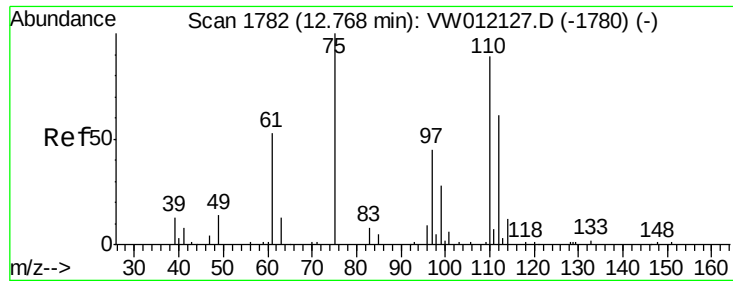
Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 127.1 31.9 95.7#

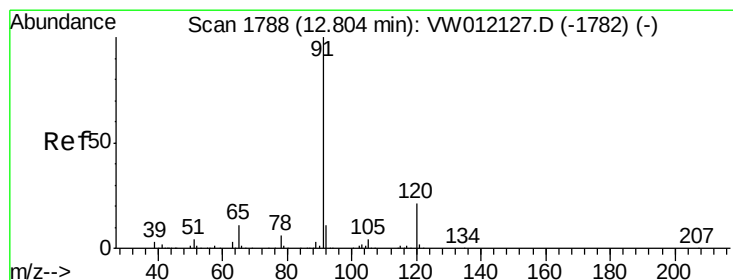
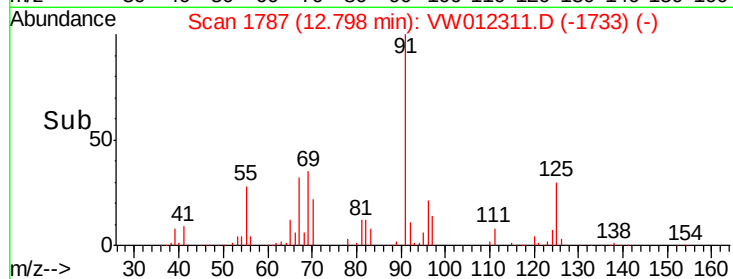
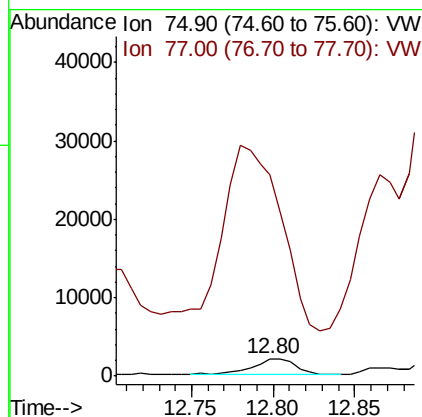
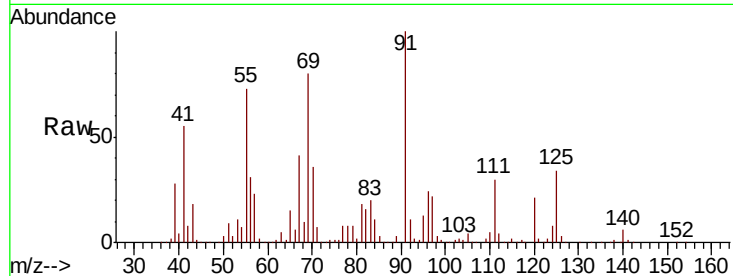




#76
 1,2,3-Trichloropropane
 Concen: 4.089 ug/l
 RT: 12.80 min Scan# 1787
 Delta R.T. 0.03 min
 Lab File: VW012311.D
 Acq: 29 Aug 2019 18:38

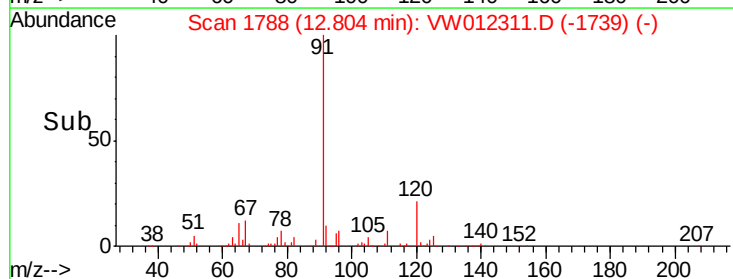
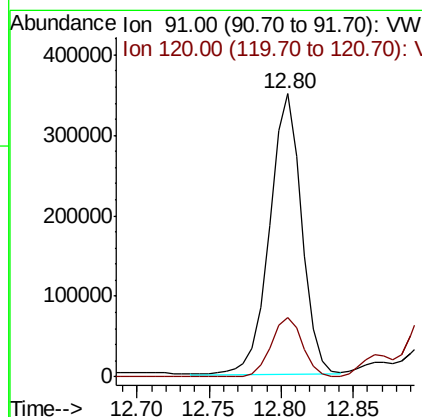
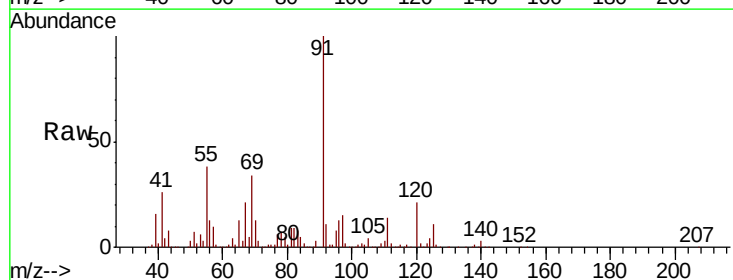
Instrument :
 MSVOA_W
 ClientSampleId :
 BOTTOM-4RE

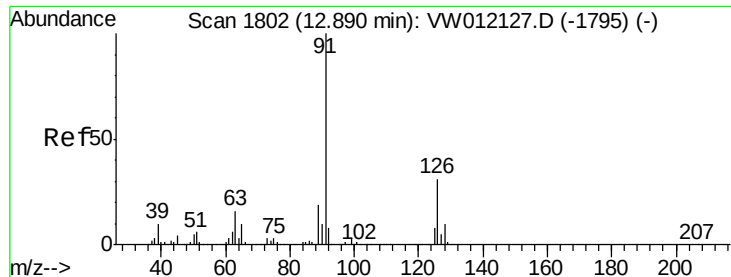
Tgt Ion: 75 Resp: 3928
 Ion Ratio Lower Upper
 75 100
 77 1493.8 0.0 0.0#



#78
 n-propylbenzene
 Concen: 59.941 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW012311.D
 Acq: 29 Aug 2019 18:38

Tgt Ion: 91 Resp: 540791
 Ion Ratio Lower Upper
 91 100
 120 20.9 10.5 31.6

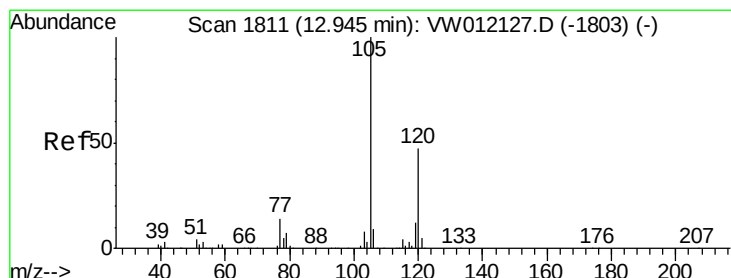
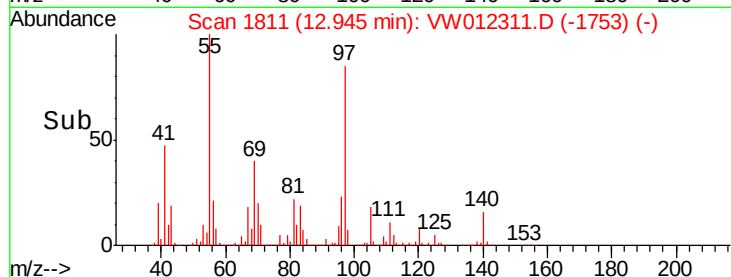
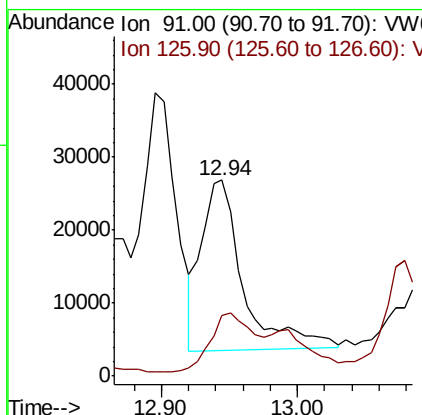
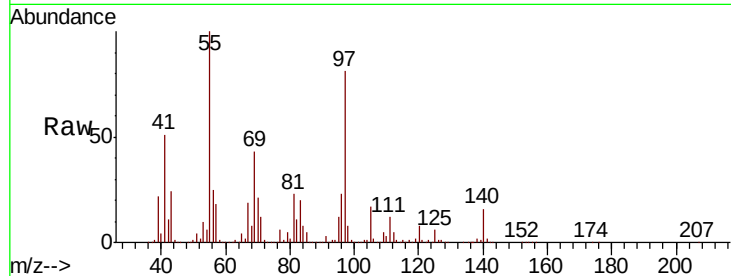




#79
 2-Chlorotoluene
 Concen: 9.665 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.05 min
 Lab File: VW012311.D
 Acq: 29 Aug 2019 18:38

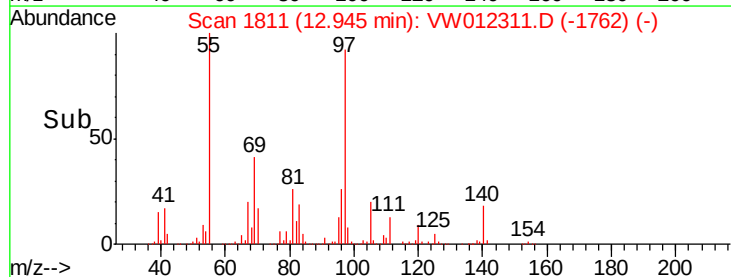
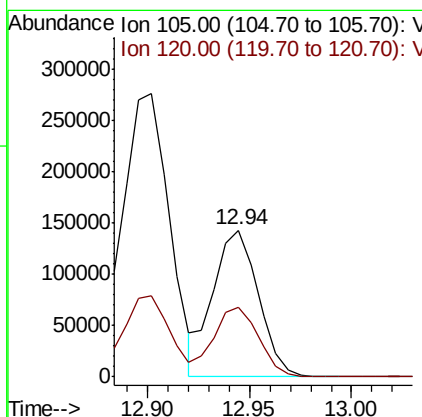
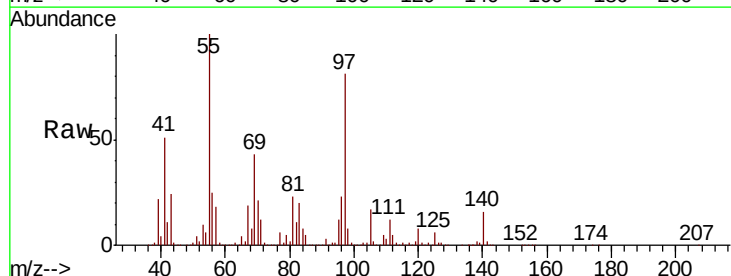
Instrument :
 MSVOA_W
 ClientSampleId :
 BOTTOM-4RE

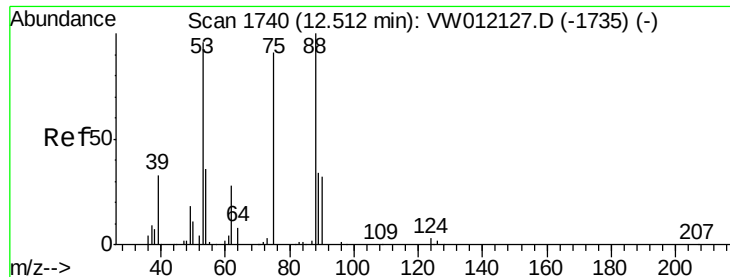
Tgt Ion: 91 Resp: 49508
 Ion Ratio Lower Upper
 91 100
 126 36.0 15.7 47.0



#80
 1,3,5-Trimethylbenzene
 Concen: 35.435 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012311.D
 Acq: 29 Aug 2019 18:38

Tgt Ion: 105 Resp: 218821
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 10.287 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.05 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-4RE

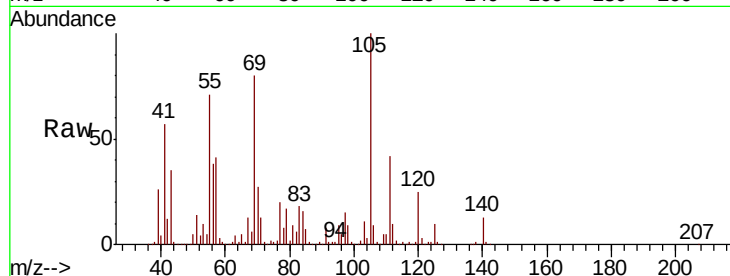
Tgt Ion: 75 Resp: 4507

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

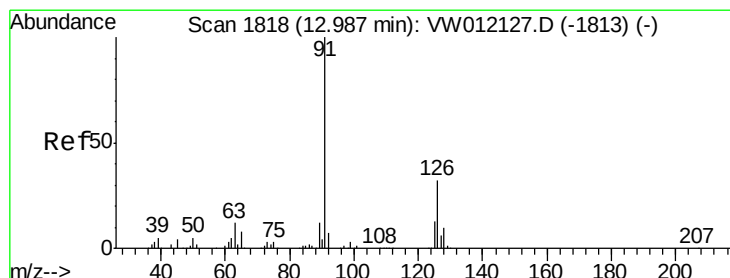
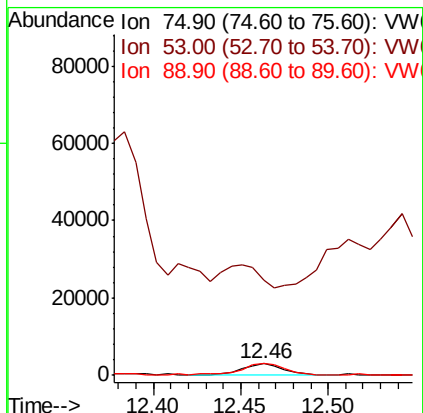
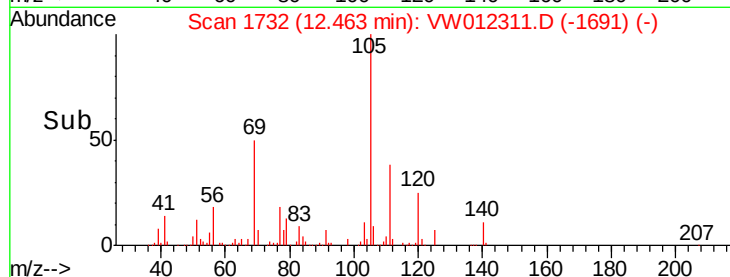
89 112.4 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 8.471 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.04 min

Lab File: VW012311.D

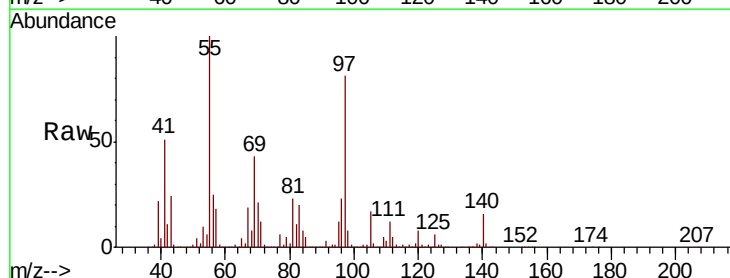
Acq: 29 Aug 2019 18:38

Tgt Ion: 91 Resp: 45433

Ion Ratio Lower Upper

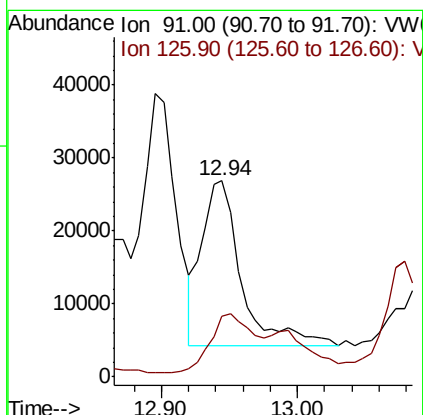
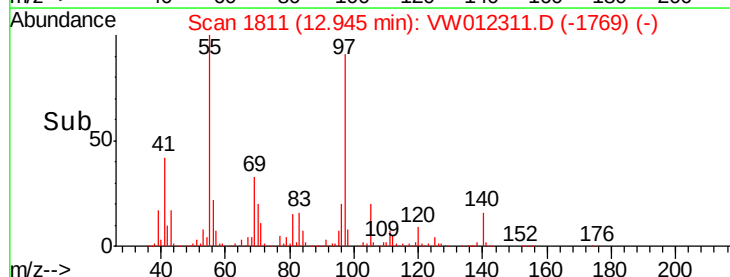
91 100

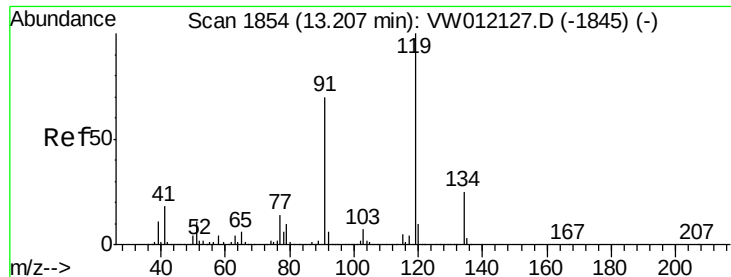
126 39.2 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

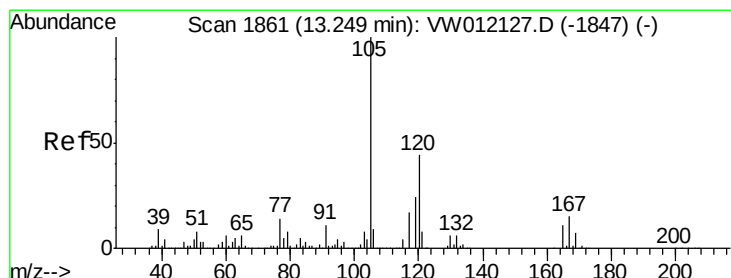
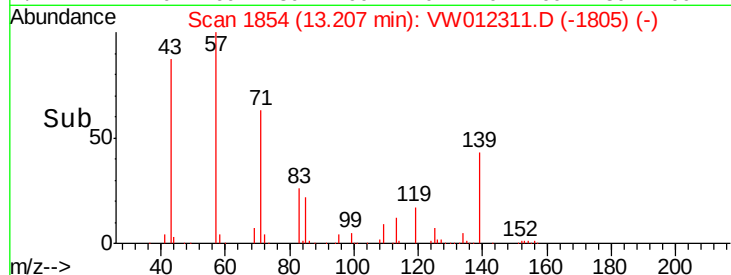
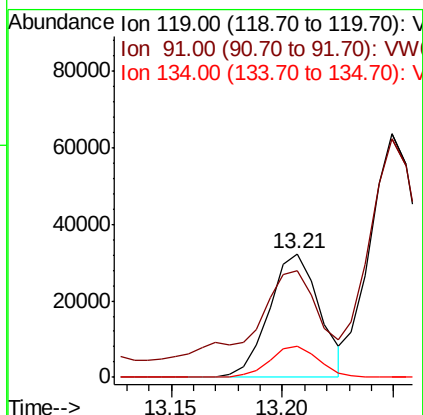
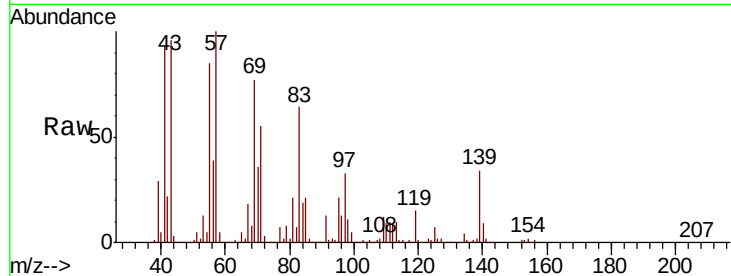




#83
 tert-Butylbenzene
 Concen: 9.672 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012311.D
 Acq: 29 Aug 2019 18:38

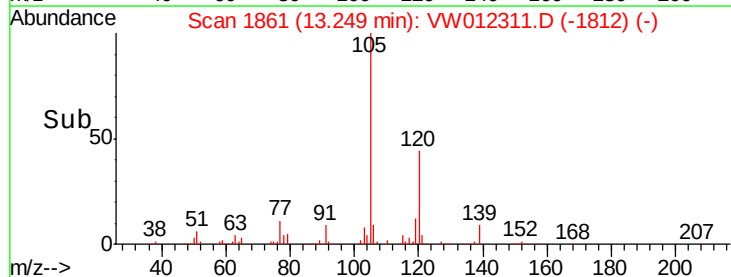
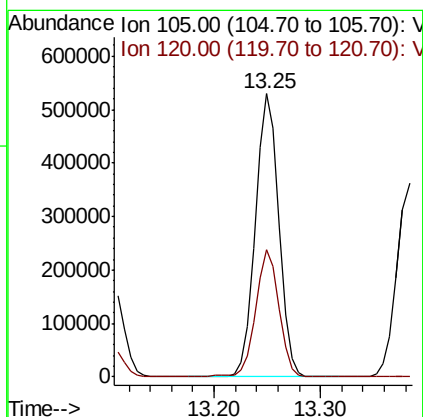
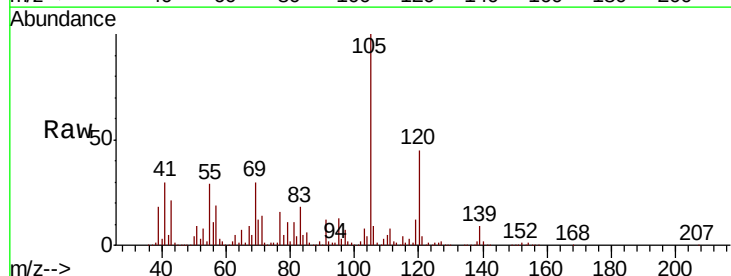
Instrument :
 MSVOA_W
 ClientSampleId :
 BOTTOM-4RE

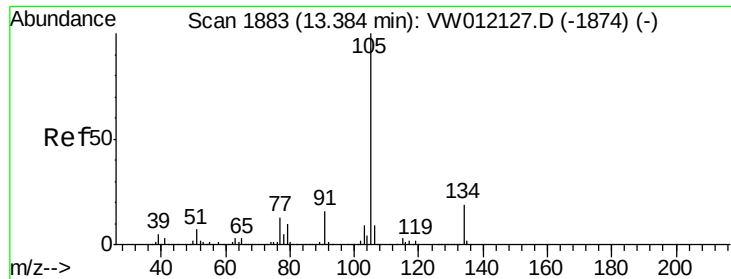
Tgt Ion:119 Resp: 50593
 Ion Ratio Lower Upper
 119 100
 91 88.0 34.8 104.3
 134 25.1 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 131.383 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012311.D
 Acq: 29 Aug 2019 18:38

Tgt Ion:105 Resp: 815009
 Ion Ratio Lower Upper
 105 100
 120 44.8 21.9 65.7

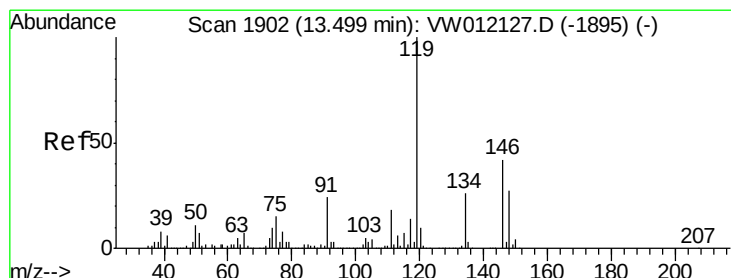
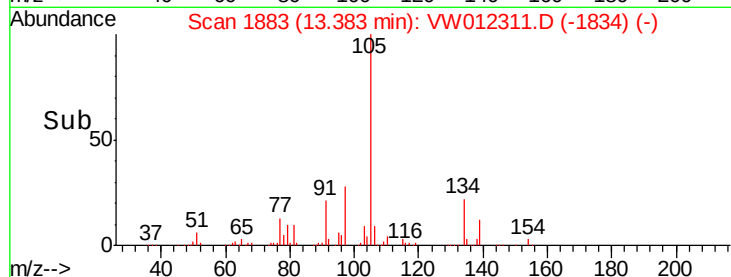
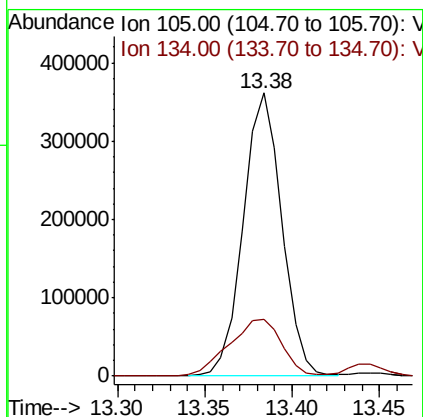
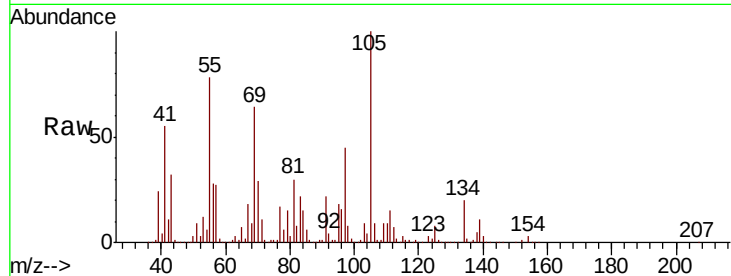




#85
 sec-Butylbenzene
 Concen: 73.478 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012311.D
 Acq: 29 Aug 2019 18:38

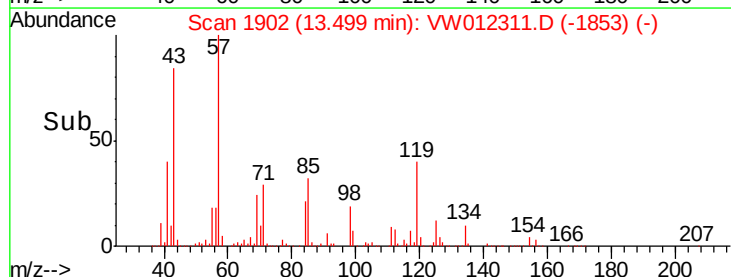
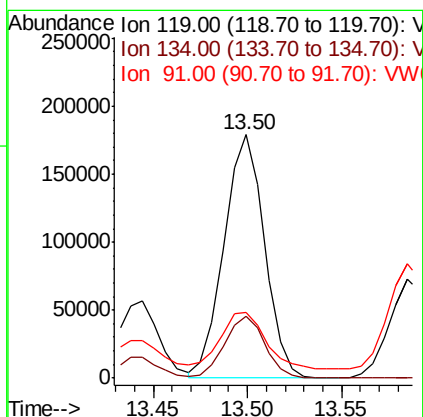
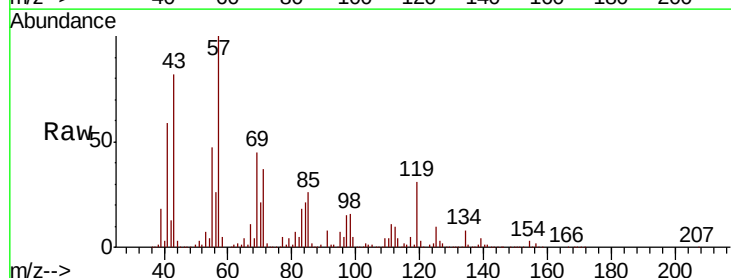
Instrument :
 MSVOA_W
 ClientSampleId :
 BOTTOM-4RE

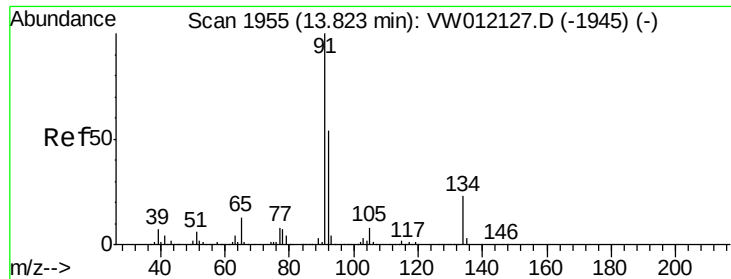
Tgt Ion:105 Resp: 550674
 Ion Ratio Lower Upper
 105 100
 134 27.6 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 39.759 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012311.D
 Acq: 29 Aug 2019 18:38

Tgt Ion:119 Resp: 266103
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.8 38.3
 91 26.4 12.3 36.9

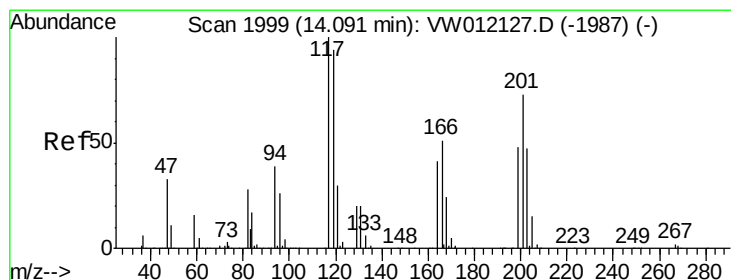
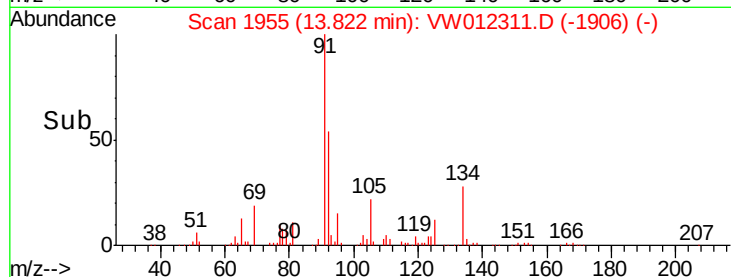
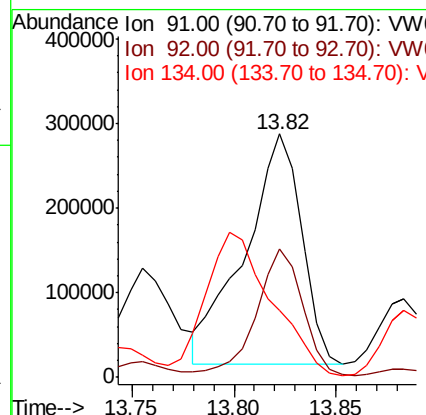
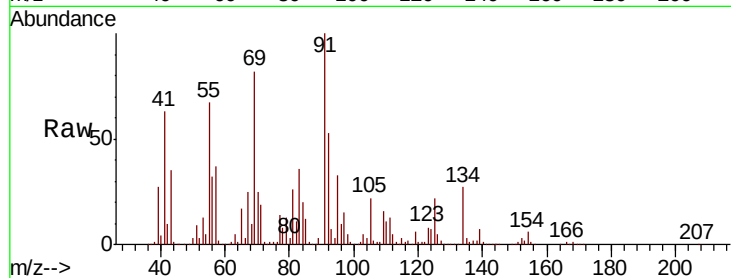




#89
n-Butylbenzene
Concen: 79.603 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

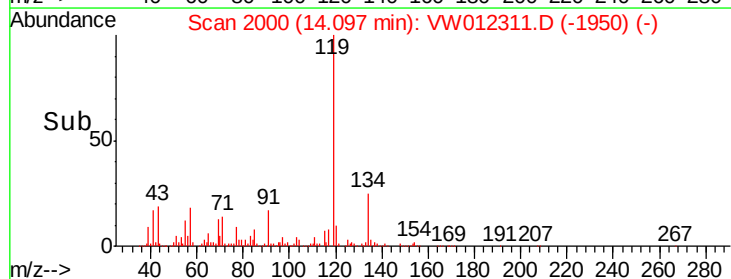
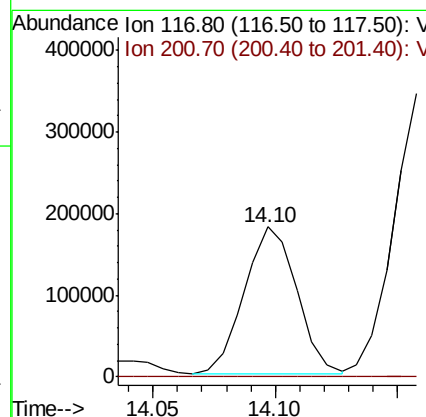
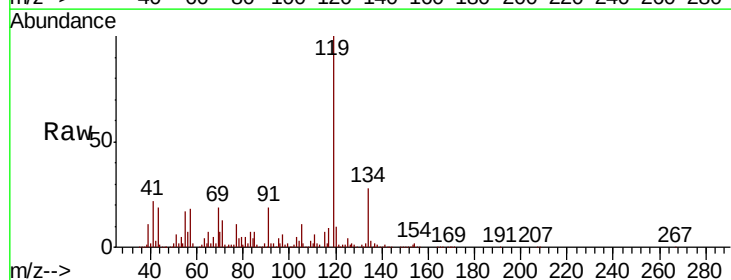
Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-4RE

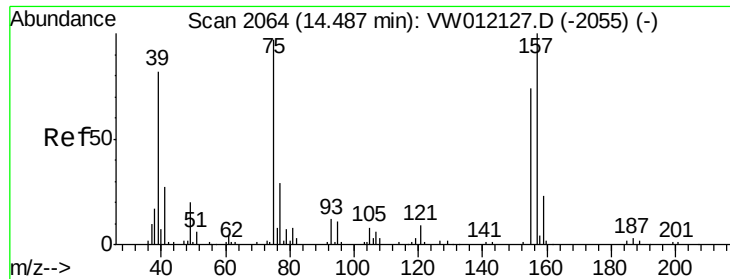
Tgt Ion: 91 Resp: 529813
Ion Ratio Lower Upper
91 100
92 43.9 27.1 81.2
134 0.0 12.2 36.4#



#90
Hexachloroethane
Concen: 228.726 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Tgt Ion: 117 Resp: 268582
Ion Ratio Lower Upper
117 100
201 0.0 38.6 115.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 28.195 ug/l

RT: 14.50 min Scan# 2066

Delta R.T. 0.01 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-4RE

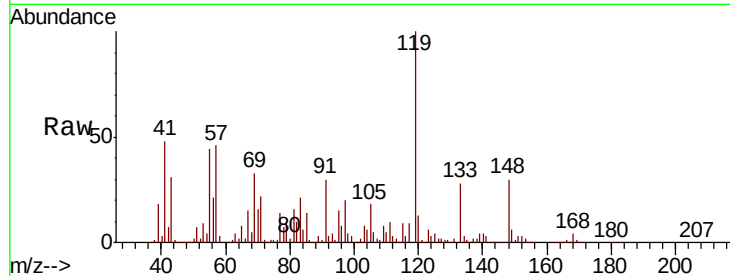
Tgt Ion: 75 Resp: 6440

Ion Ratio Lower Upper

75 100

155 0.0 37.5 112.3#

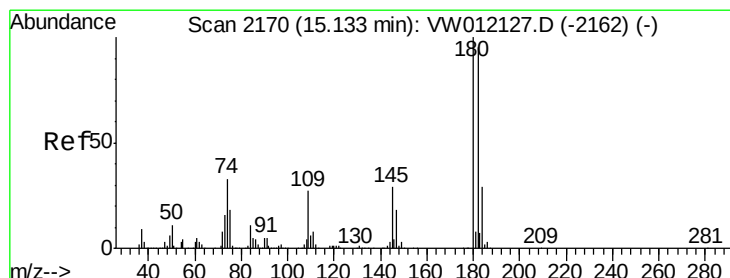
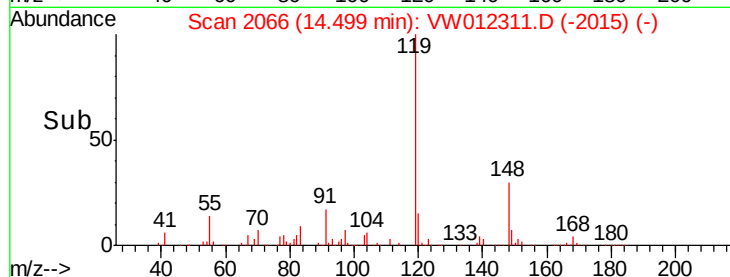
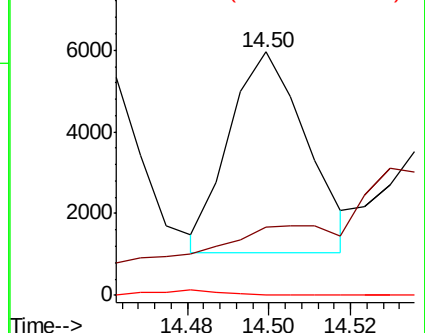
157 2.2 50.5 151.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 8.621 ug/l

RT: 15.17 min Scan# 2176

Delta R.T. 0.04 min

Lab File: VW012311.D

Acq: 29 Aug 2019 18:38

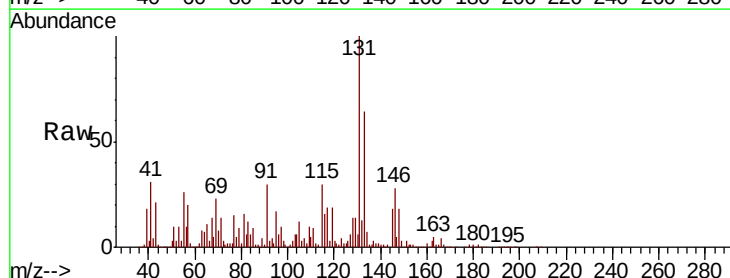
Tgt Ion: 180 Resp: 16345

Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.4#

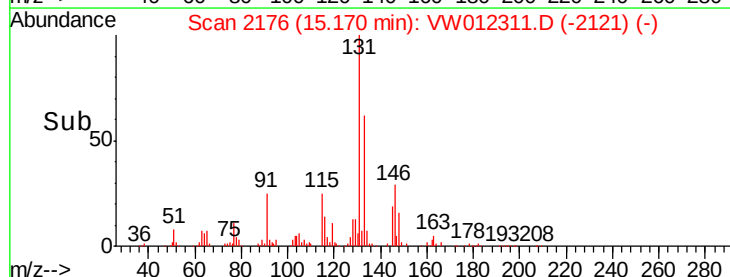
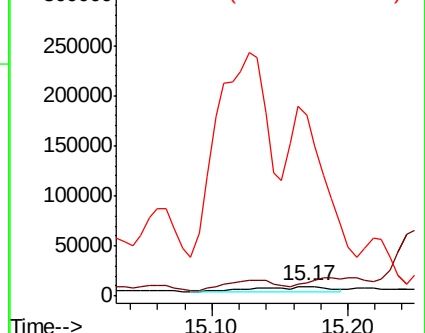
145 2220.6 15.0 45.1#

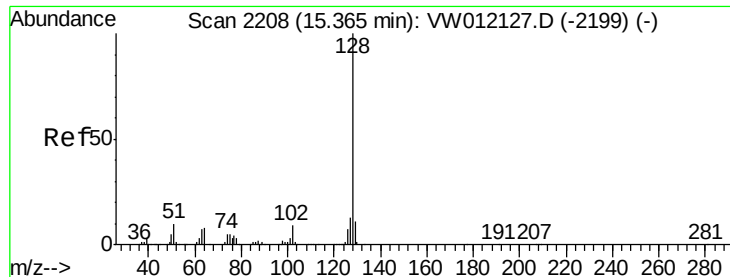


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

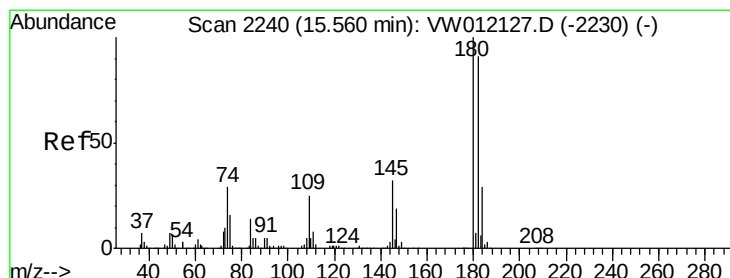
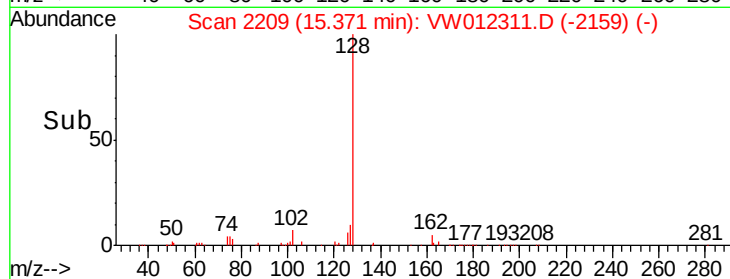
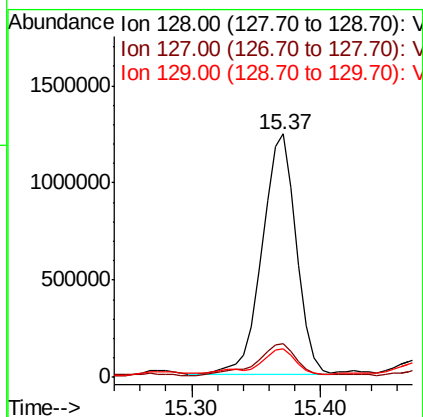
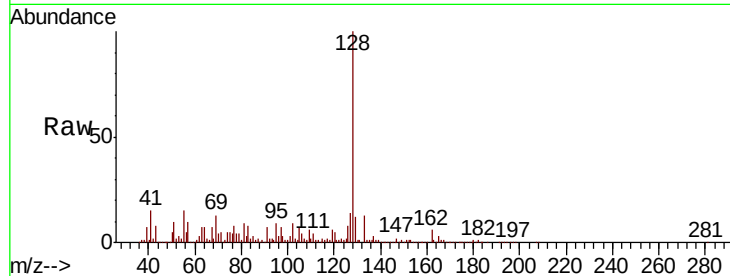




#95
Naphthalene
Concen: 558.124 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-4RE

Tgt Ion:128 Resp: 2255148
Ion Ratio Lower Upper
128 100
127 15.1 10.7 16.1
129 11.6 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 9.457 ug/l
RT: 15.58 min Scan# 2243
Delta R.T. 0.02 min
Lab File: VW012311.D
Acq: 29 Aug 2019 18:38

Tgt Ion:180 Resp: 15643
Ion Ratio Lower Upper
180 100
182 0.0 47.1 141.3#
145 3558.9 16.2 48.5#

