

Data File : VW012004.D
Acq On : 19 Aug 2019 21:45
Operator : SY/VA
Sample : K4391-09
Misc : 4.99G/5ML/MSVOA_W/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-2

Quant Time: Aug 20 05:14:39 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	271800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	438556	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	348080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	154897	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	164971	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
35) Dibromofluoromethane	7.88	113	133238	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
50) Toluene-d8	10.32	98	819058	81.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	162.62%	
62) 4-Bromofluorobenzene	12.62	95	254579	70.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.78%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.16	59	58	Below Cal	#	72
13) Acrolein	4.11	56	976	4.358	ug/l	85
15) Acrylonitrile	5.42	53	3042	3.803	ug/l #	24
16) Acetone	4.14	43	8111	8.170	ug/l	98
17) Carbon Disulfide	4.38	76	9028	1.019	ug/l	96
20) Methylene Chloride	4.91	84	3573	1.044	ug/l #	79
25) 2-Butanone	7.17	43	8416	6.478	ug/l #	56
31) Cyclohexane	7.96	56	272914	46.768	ug/l	99
36) 1,1-Dichloropropene	7.95	75	22571	4.950	ug/l #	65
37) Ethyl Acetate	7.17	43	8416	3.208	ug/l #	76
38) Carbon Tetrachloride	7.95	117	26807	6.867	ug/l #	16
39) Methylcyclohexane	9.34	83	2704055	538.517	ug/l	99
43) Isopropyl Acetate	8.42	43	114919	23.817	ug/l #	55
45) 1,2-Dichloropropane	9.34	63	27530	8.055	ug/l #	1
47) Bromodichloromethane	9.75	83	40548	9.909	ug/l #	46
48) Methyl methacrylate	9.52	41	121796	52.549	ug/l #	62
51) 4-Methyl-2-Pentanone	10.32	43	276111	110.017	ug/l #	45
55) 1,1,2-Trichloroethane	10.76	97	861129	389.073	ug/l #	20
56) Ethyl methacrylate	10.66	69	376381	116.212	ug/l #	7
59) 2-Hexanone	10.94	43	1553235	876.533	ug/l #	33
60) Dibromochloromethane	11.04	129	4101	1.669	ug/l #	29
65) Chlorobenzene	11.55	112	8506	1.215	ug/l #	43
67) Ethyl Benzene	11.73	91	32191	2.415	ug/l	98
68) m/p-Xylenes	11.84	106	157659	32.527	ug/l	96
69) o-Xylene	12.16	106	12423	2.758	ug/l	39
73) Isopropylbenzene	12.46	105	125009	10.818	ug/l	99
74) N-amyl acetate	12.26	43	1207241	333.694	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.69	83	29462	13.554	ug/l #	1
76) 1,2,3-Trichloropropane	12.87	75	4149	2.531	ug/l #	100
78) n-propylbenzene	12.80	91	174385	12.400	ug/l	99
79) 2-Chlorotoluene	12.90	91	25746	3.178	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.94	105	1152909	119.022	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.62	75	85399	120.083	ug/l #	22
82) 4-Chlorotoluene	12.94	91	133802	15.740	ug/l #	55

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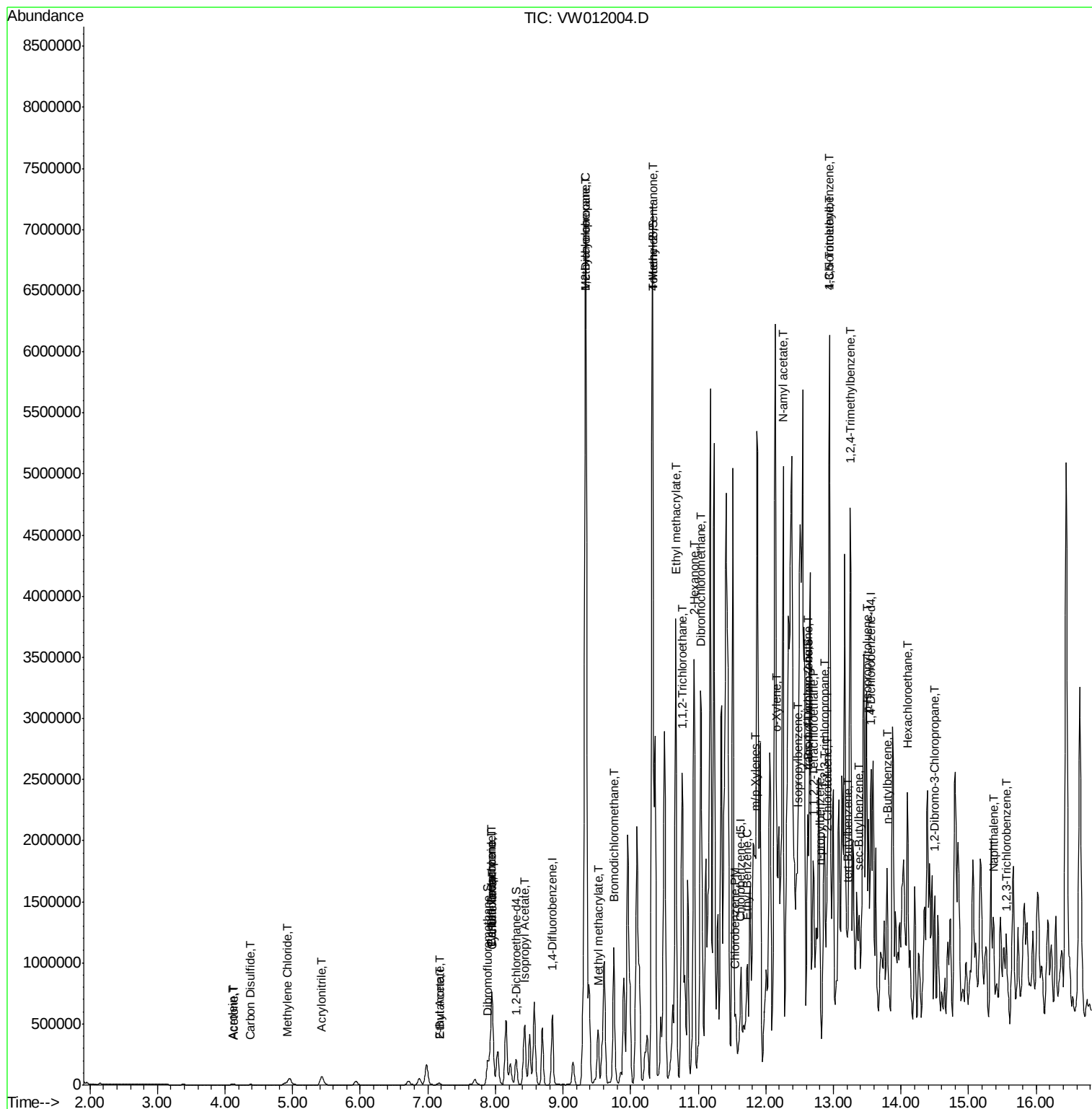
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	13.21	119	58948	7.277	ug/l	95
84) 1,2,4-Trimethylbenzene	13.25	105	2063404	211.462	ug/l	99
85) sec-Butylbenzene	13.38	105	166609	14.415	ug/l #	67
86) p-Isopropyltoluene	13.50	119	137649	13.126	ug/l	97
89) n-Butylbenzene	13.79	91	86374	8.253	ug/l #	1
90) Hexachloroethane	14.10	117	69506	37.482	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.50	75	1601	4.319	ug/l #	29
95) Naphthalene	15.36	128	605435	96.983	ug/l	97
96) 1,2,3-Trichlorobenzene	15.57	180	2761	1.009	ug/l #	12

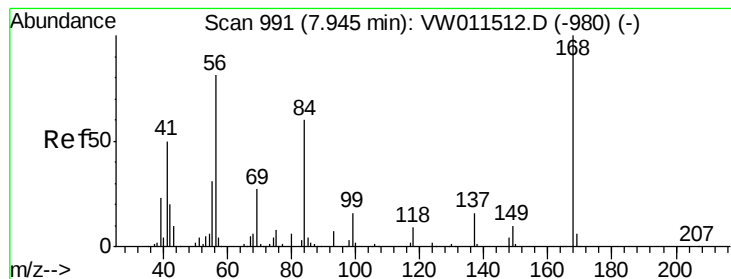
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012004.D

Acq: 19 Aug 2019 21:45

Instrument :

MSVOA_W

ClientSampleId :

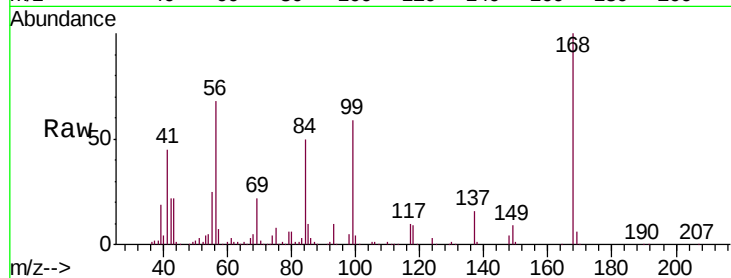
BOTTOM-2

Tgt Ion:168 Resp: 271800

Ion Ratio Lower Upper

168 100

99 59.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

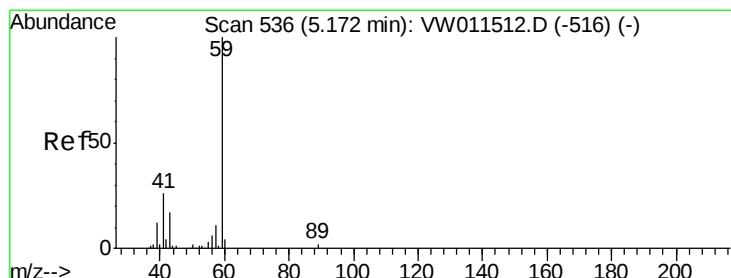
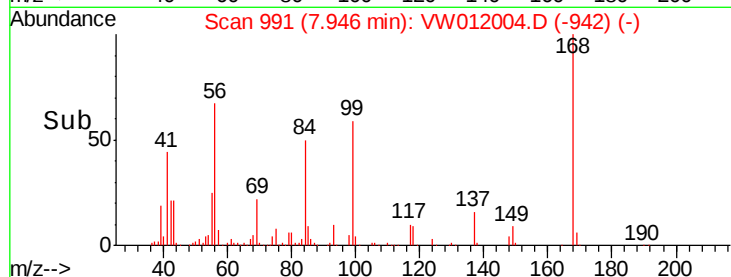
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW012004.D

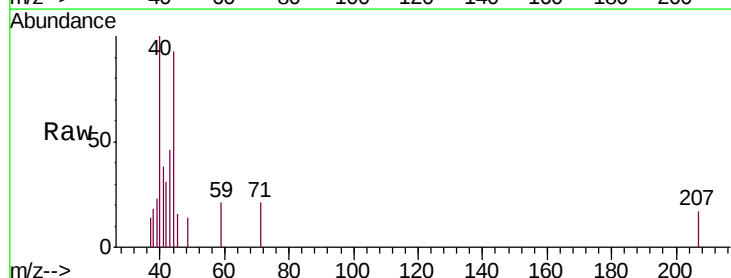
Acq: 19 Aug 2019 21:45

Tgt Ion: 59 Resp: 58

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

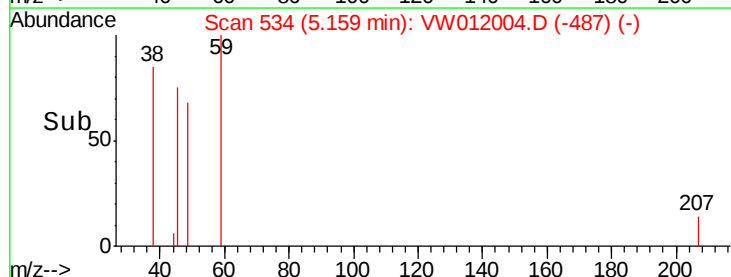
5.16

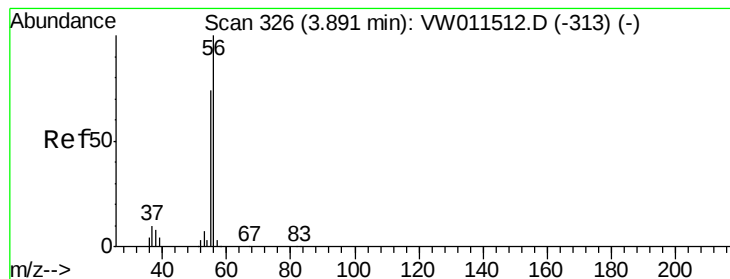
100

50

0

Time-->





#13

Acrolein

Concen: 4.358 ug/l

RT: 4.11 min Scan# 362

Delta R.T. 0.22 min

Lab File: VW012004.D

Acq: 19 Aug 2019 21:45

Instrument :

MSVOA_W

ClientSampleId :

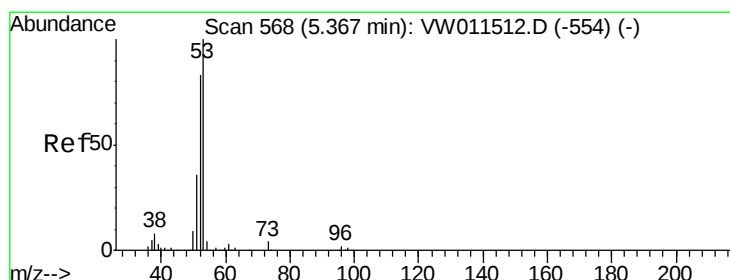
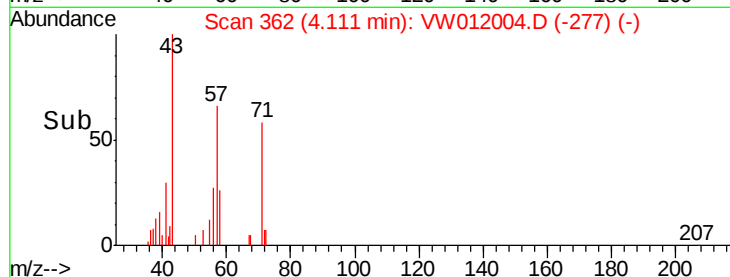
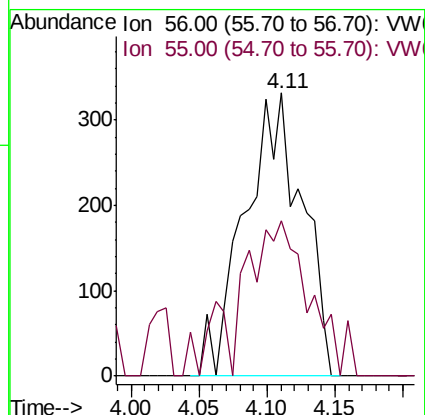
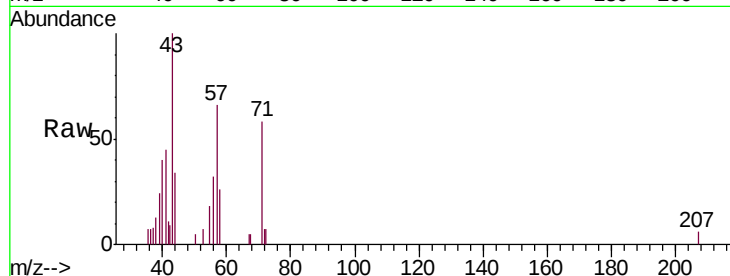
BOTTOM-2

Tgt Ion: 56 Resp: 976

Ion Ratio Lower Upper

56 100

55 57.9 56.0 84.0



#15

Acrylonitrile

Concen: 3.803 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.05 min

Lab File: VW012004.D

Acq: 19 Aug 2019 21:45

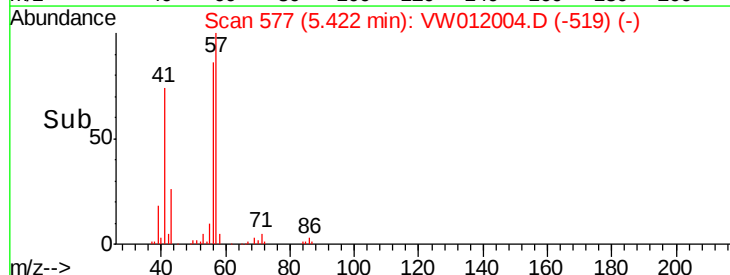
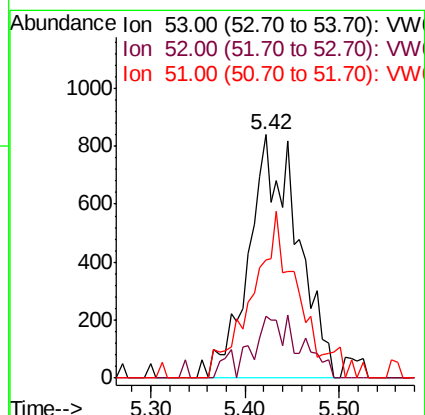
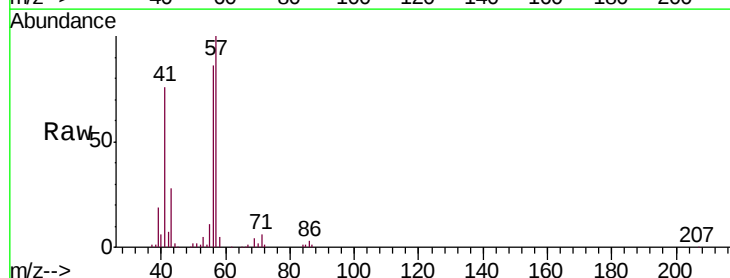
Tgt Ion: 53 Resp: 3042

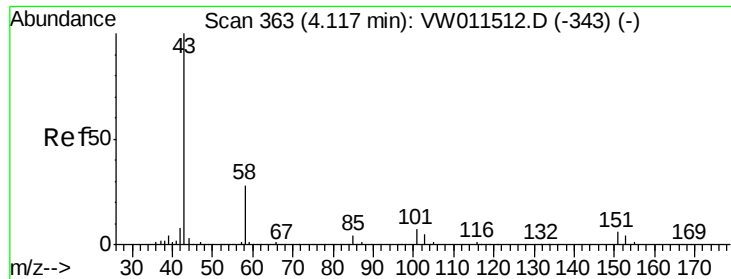
Ion Ratio Lower Upper

53 100

52 0.0 67.2 100.8#

51 60.7 30.0 45.0#

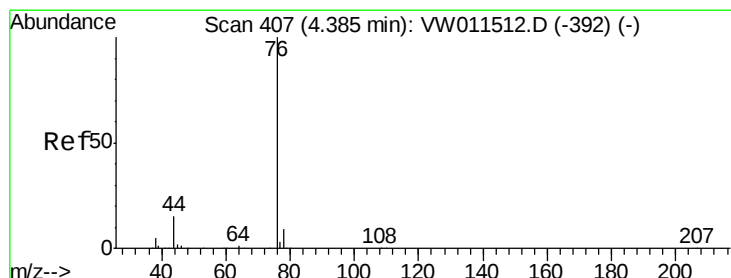
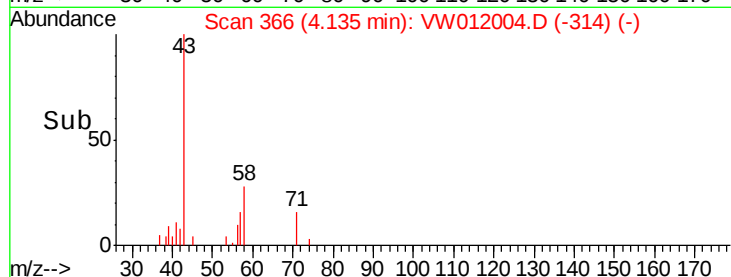
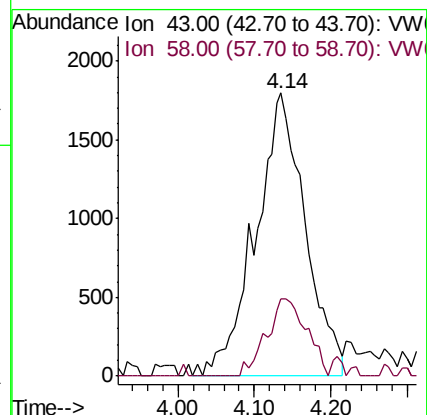
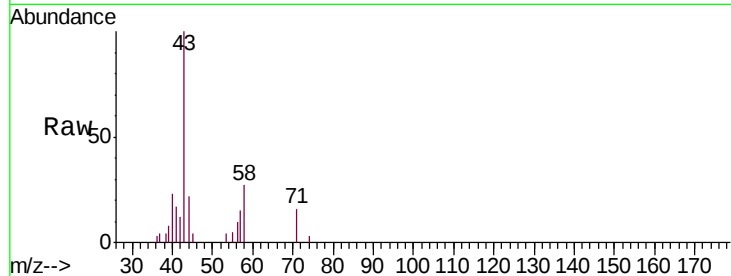




#16
Acetone
Concen: 8.170 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW012004.D
Acq: 19 Aug 2019 21:45

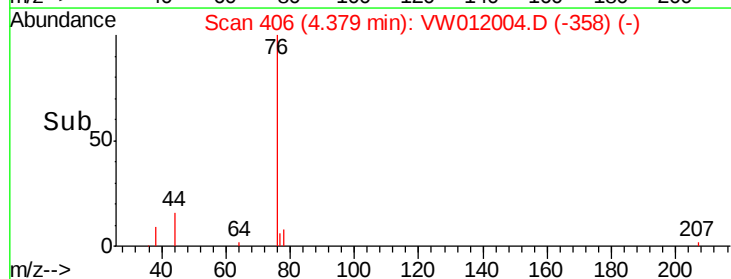
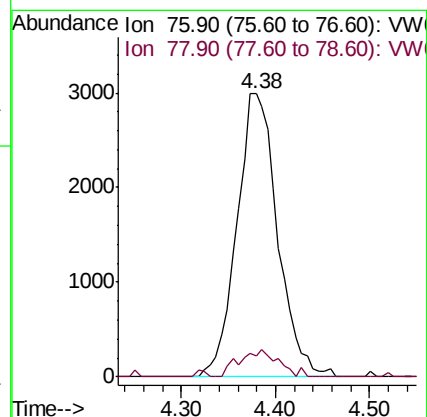
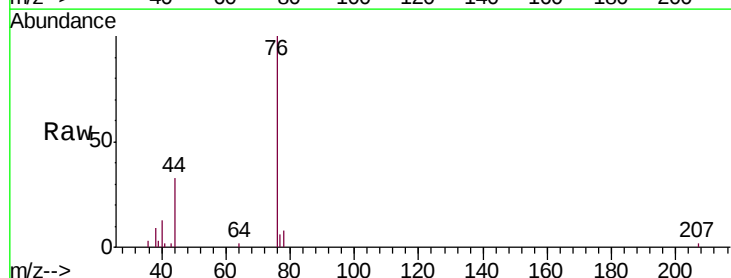
Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-2

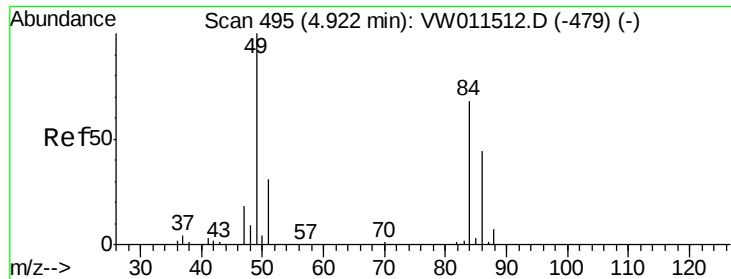
Tgt Ion: 43 Resp: 8111
Ion Ratio Lower Upper
43 100
58 27.1 22.3 33.5



#17
Carbon Disulfide
Concen: 1.019 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012004.D
Acq: 19 Aug 2019 21:45

Tgt Ion: 76 Resp: 9028
Ion Ratio Lower Upper
76 100
78 7.6 7.1 10.7

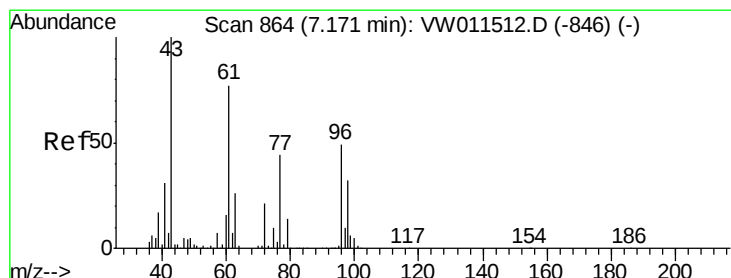
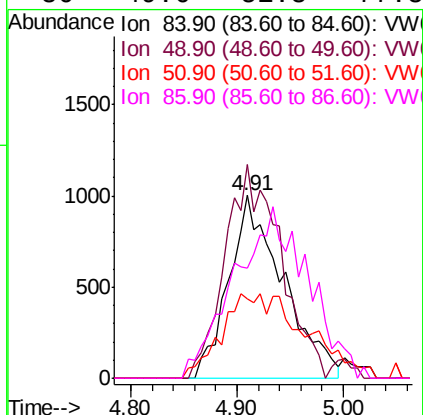
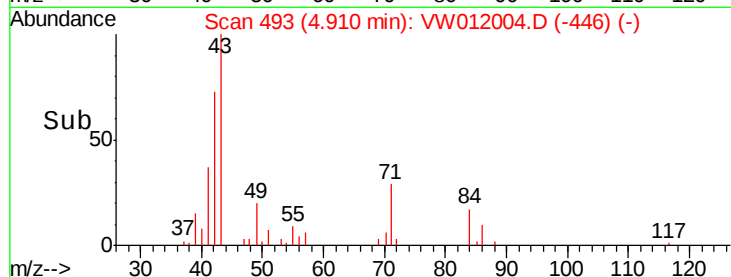
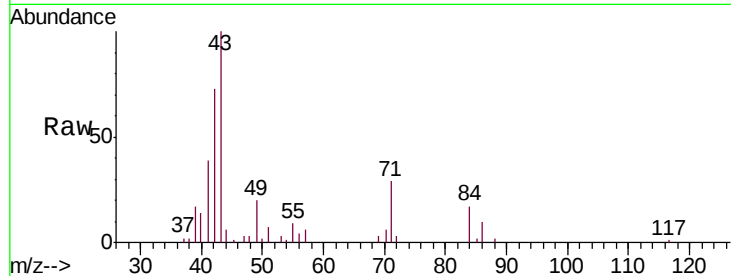




#20
Methylene Chloride
Concen: 1.044 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012004.D
Acq: 19 Aug 2019 21:45

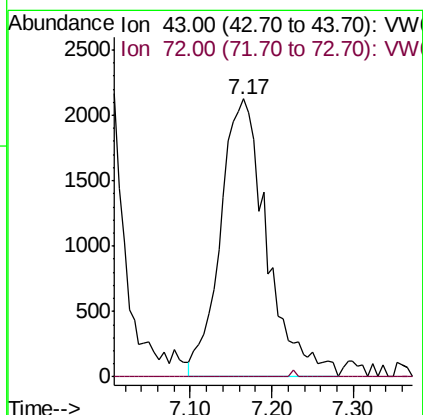
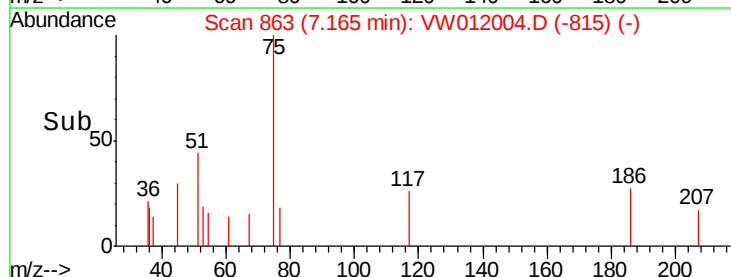
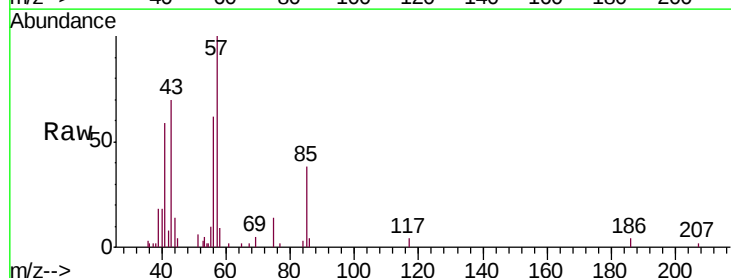
Instrument :
MSVOA_W
ClientSampled :
BOTTOM-2

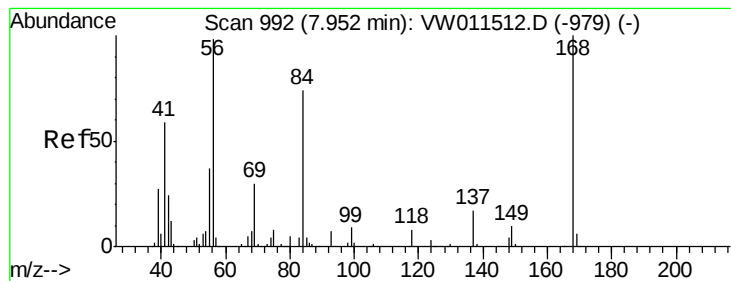
Tgt Ion: 84 Resp: 3573
Ion Ratio Lower Upper
84 100
49 116.9 117.8 176.6#
51 37.5 37.0 55.4
86 49.6 51.8 77.8#



#25
2-Butanone
Concen: 6.478 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012004.D
Acq: 19 Aug 2019 21:45

Tgt Ion: 43 Resp: 8416
Ion Ratio Lower Upper
43 100
72 0.0 16.6 24.8#





#31

Cyclohexane

Concen: 46.768 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW012004.D

Acq: 19 Aug 2019 21:45

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-2

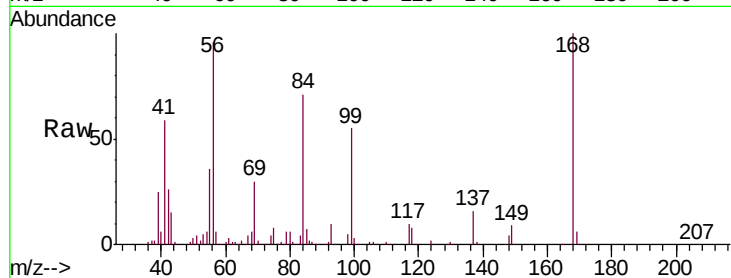
Tgt Ion: 56 Resp: 272914

Ion Ratio Lower Upper

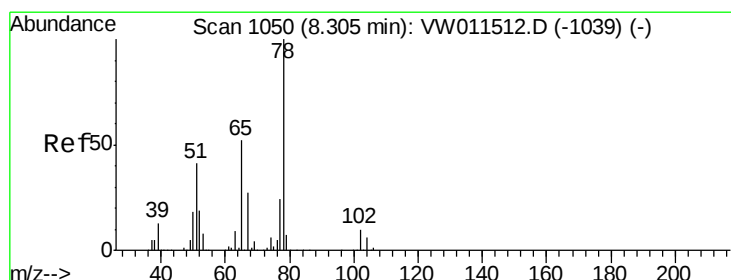
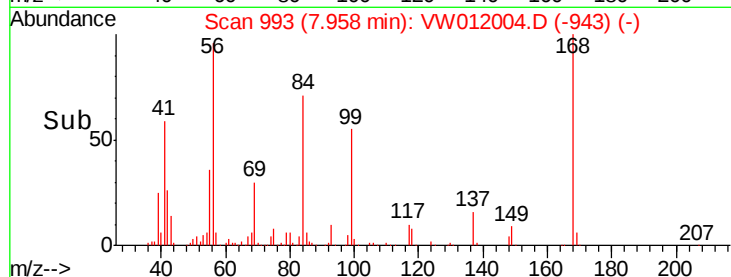
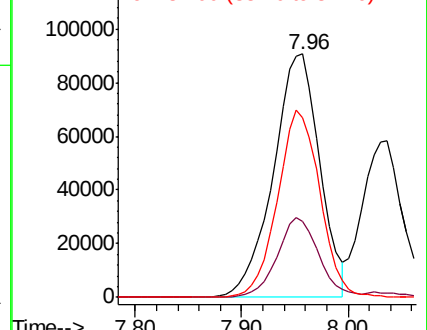
56 100

69 30.8 24.3 36.5

84 74.0 60.4 90.6



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



#33

1,2-Dichloroethane-d4

Concen: 52.858 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012004.D

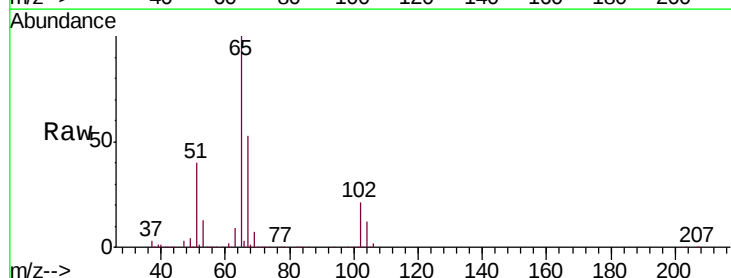
Acq: 19 Aug 2019 21:45

Tgt Ion: 65 Resp: 164971

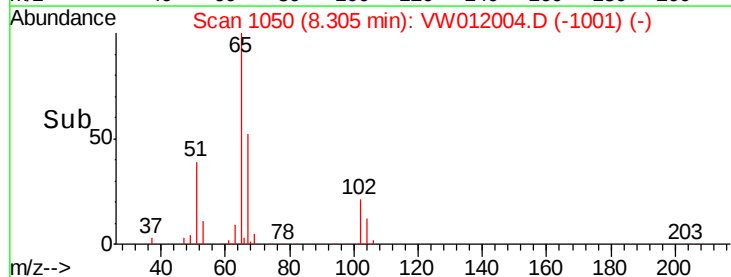
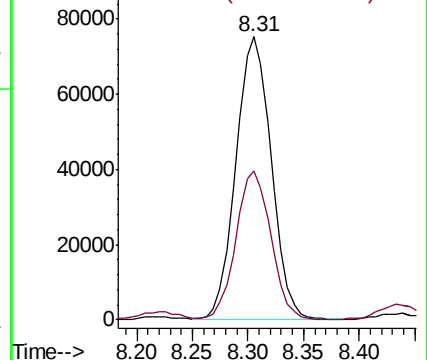
Ion Ratio Lower Upper

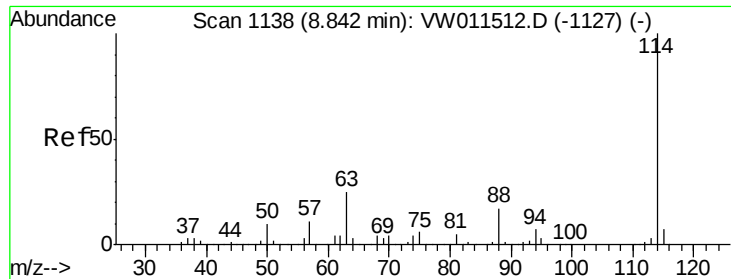
65 100

67 52.0 0.0 105.2



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

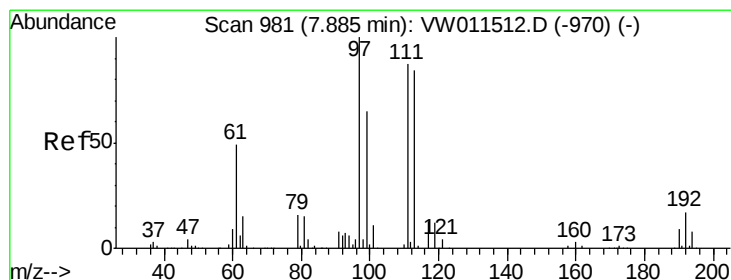
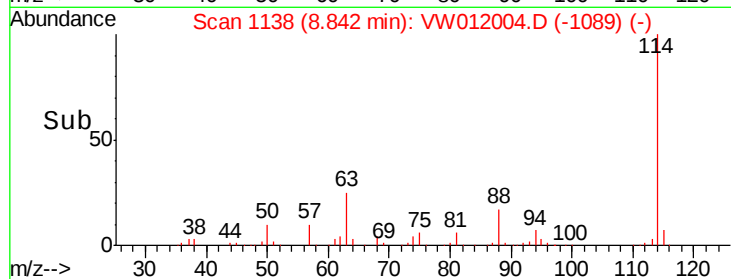
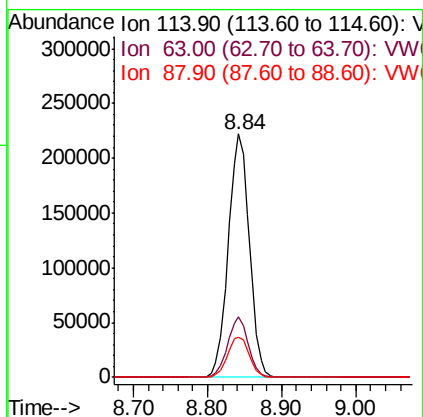
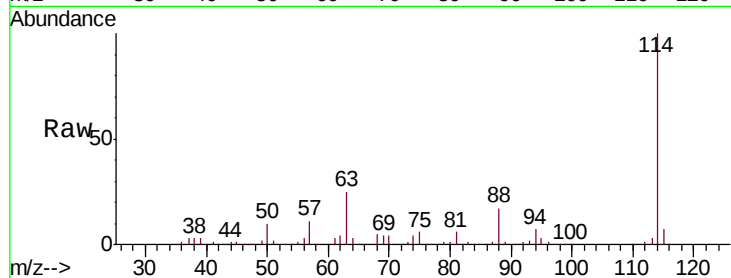




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012004.D
 Acq: 19 Aug 2019 21:45

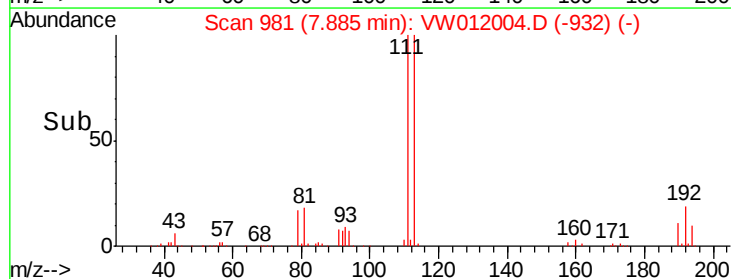
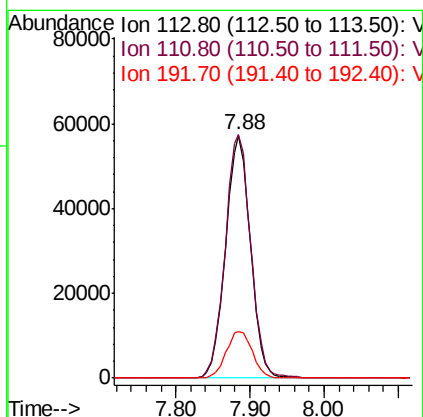
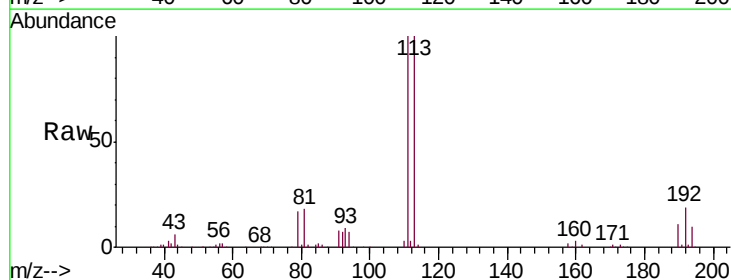
Instrument :
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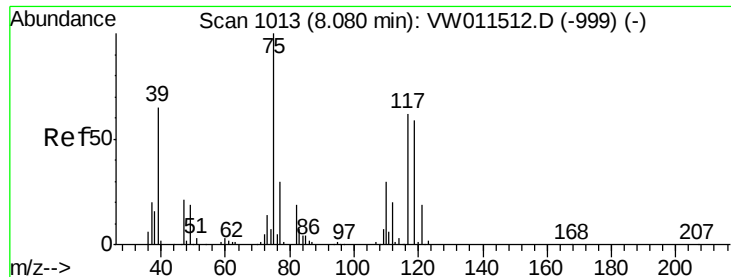
Tgt Ion:114 Resp: 438556
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 49.2
 88 16.7 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 54.153 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012004.D
 Acq: 19 Aug 2019 21:45

Tgt Ion:113 Resp: 133238
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.7 124.1
 192 20.3 16.1 24.1

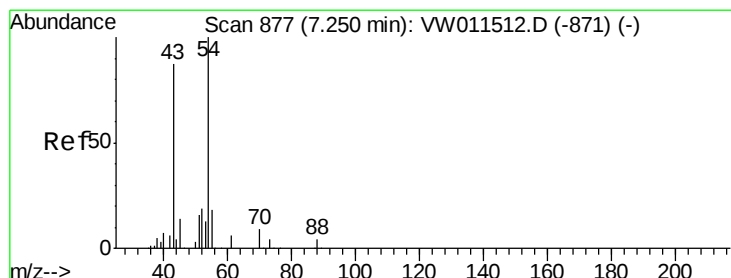
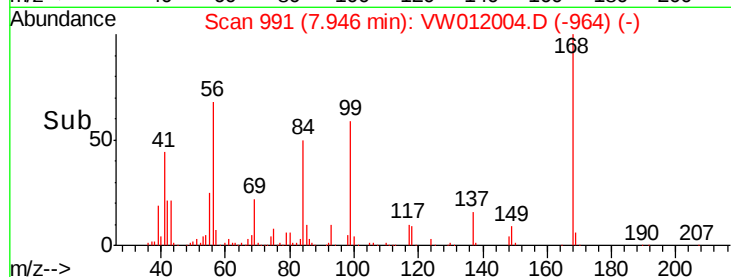
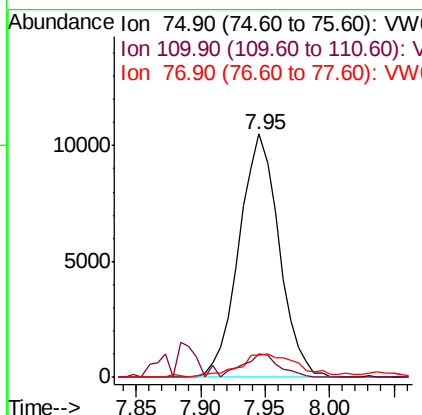
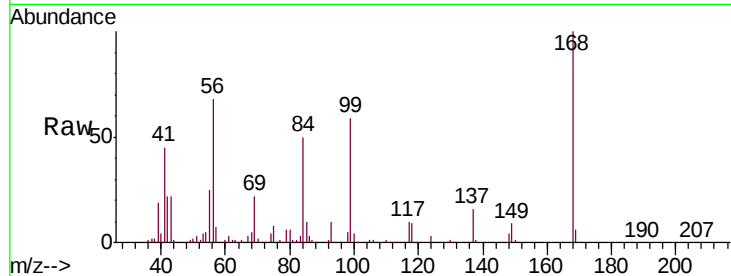




#36
 1,1-Dichloropropene
 Concen: 4.950 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012004.D
 Acq: 19 Aug 2019 21:45

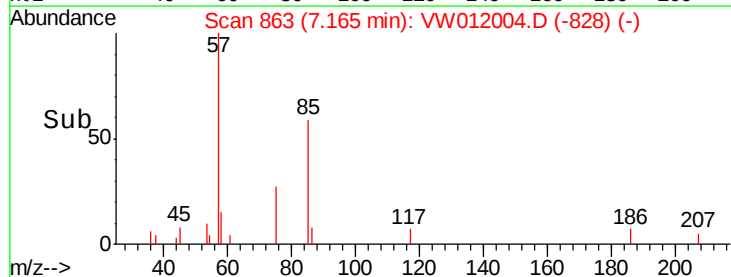
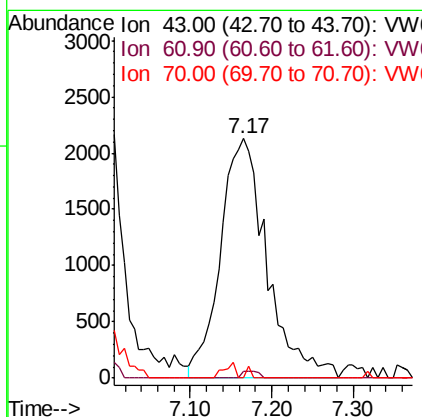
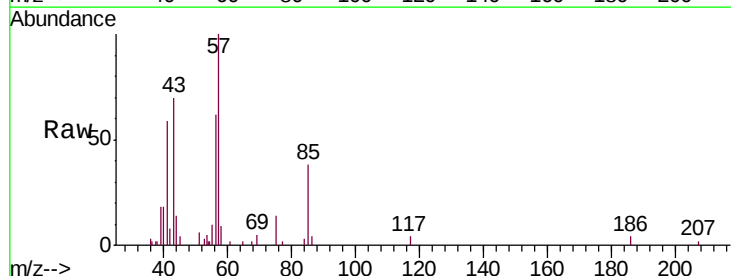
Instrument :
 MSVOA_W
 ClientSampled :
 BOTTOM-2

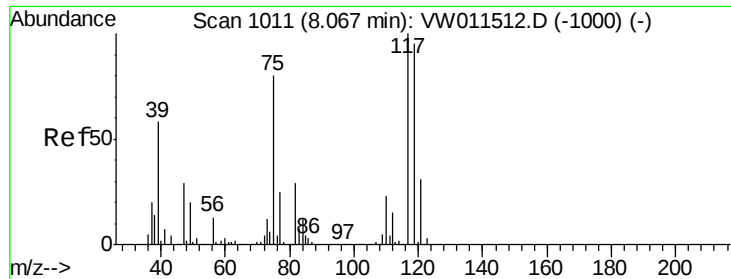
Tgt Ion: 75 Resp: 22571
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.6 46.8#
 77 14.4 24.3 36.5#



#37
 Ethyl Acetate
 Concen: 3.208 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.09 min
 Lab File: VW012004.D
 Acq: 19 Aug 2019 21:45

Tgt Ion: 43 Resp: 8416
 Ion Ratio Lower Upper
 43 100
 61 1.0 8.8 13.2#
 70 1.6 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 6.867 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012004.D

Acq: 19 Aug 2019 21:45

Instrument :

MSVOA_W

ClientSampled :

BOTTOM-2

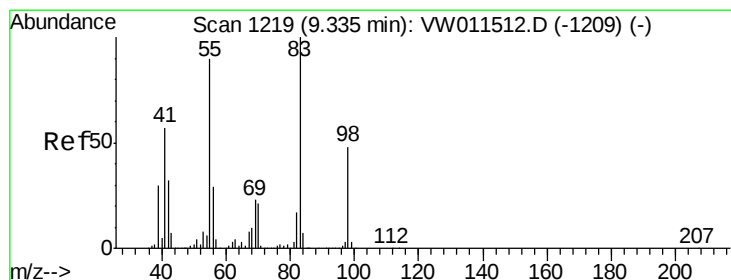
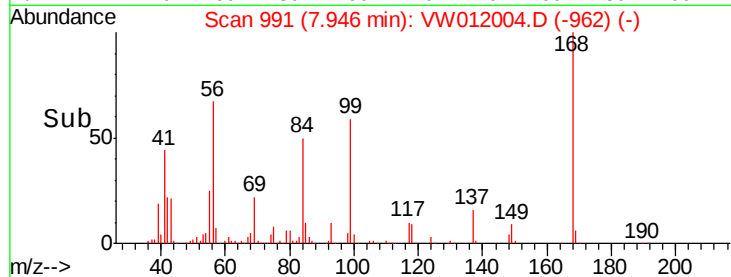
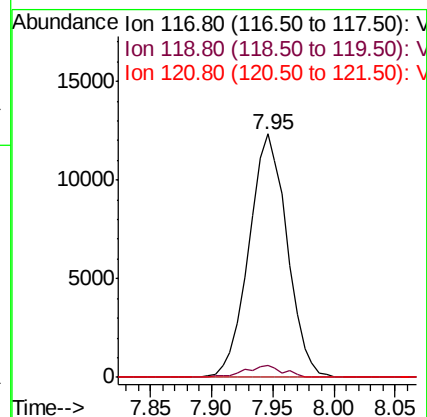
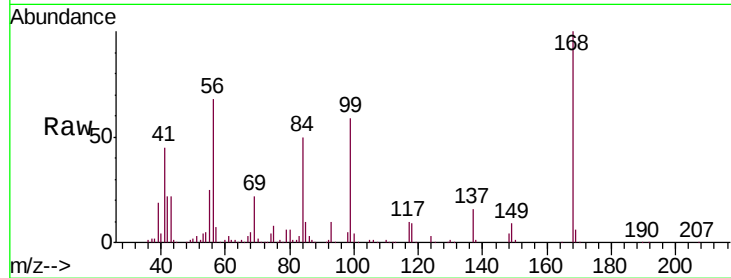
Tgt Ion:117 Resp: 26807

Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.6#

121 0.0 24.7 37.1#



#39

Methylcyclohexane

Concen: 538.517 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW012004.D

Acq: 19 Aug 2019 21:45

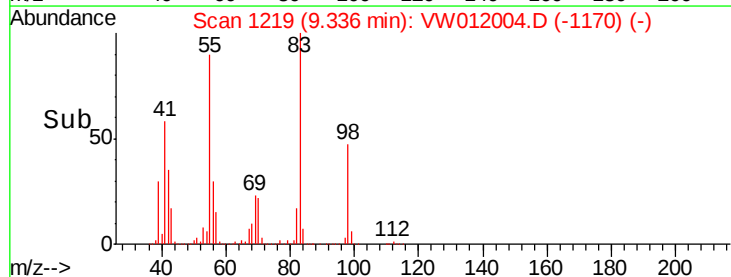
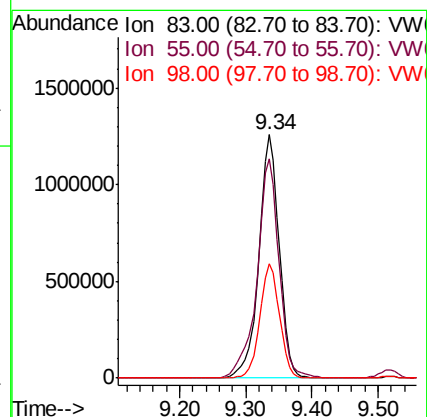
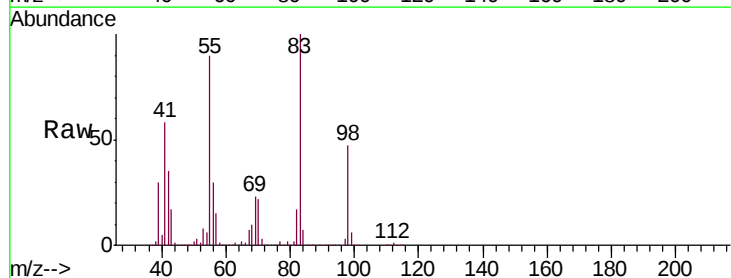
Tgt Ion: 83 Resp: 2704055

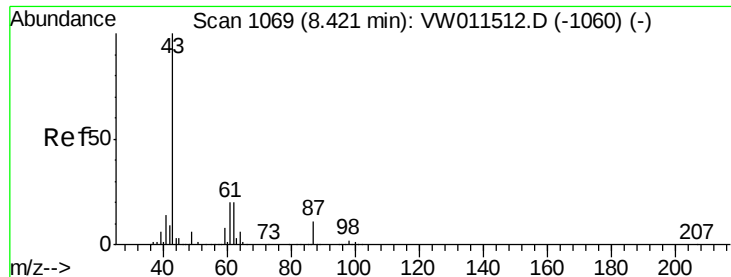
Ion Ratio Lower Upper

83 100

55 90.2 72.1 108.1

98 46.8 38.6 57.8





#43

Isopropyl Acetate

Concen: 23.817 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012004.D

Acq: 19 Aug 2019 21:45

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-2

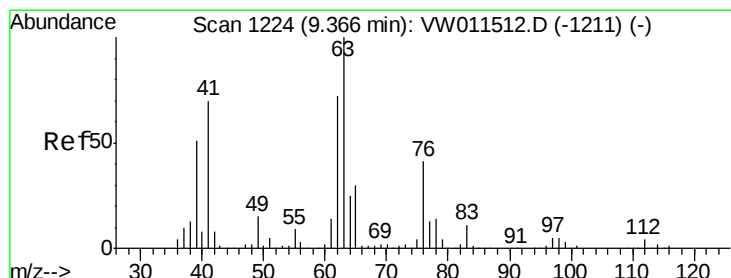
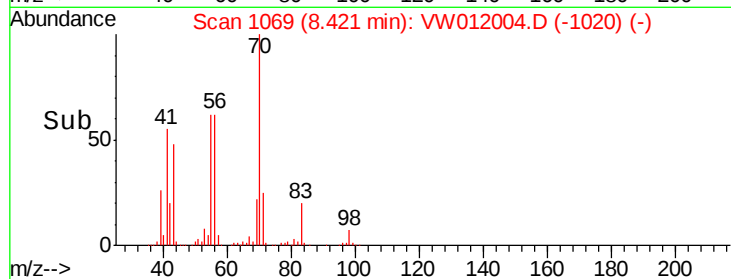
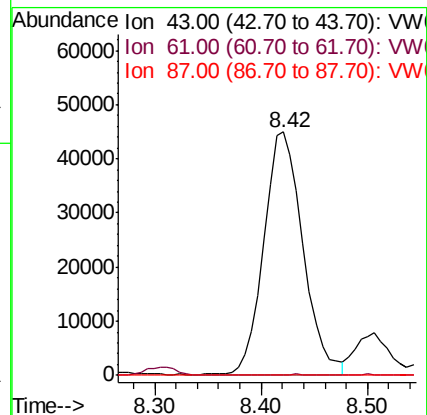
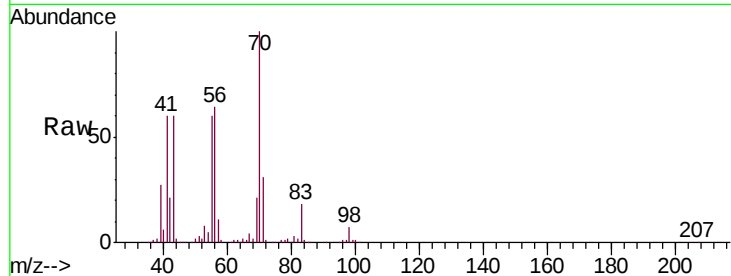
Tgt Ion: 43 Resp: 114919

Ion Ratio Lower Upper

43 100

61 0.3 21.5 32.3#

87 0.0 8.4 12.6#



#45

1,2-Dichloropropane

Concen: 8.055 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.03 min

Lab File: VW012004.D

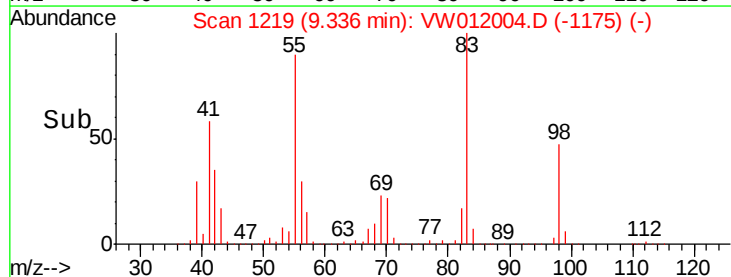
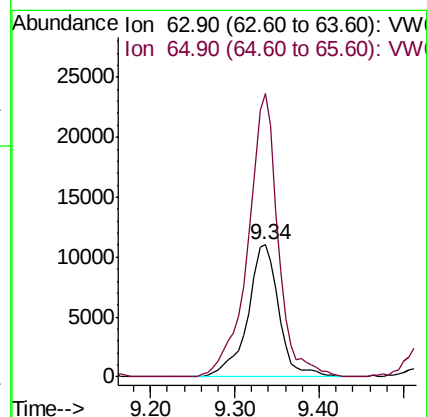
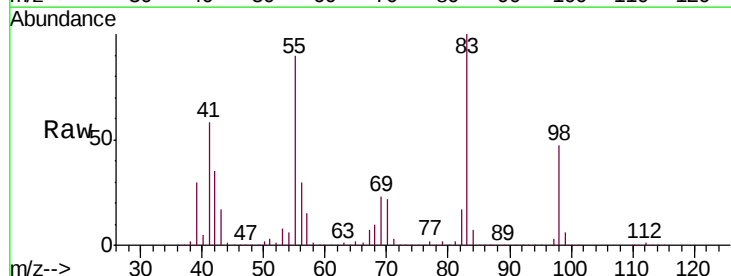
Acq: 19 Aug 2019 21:45

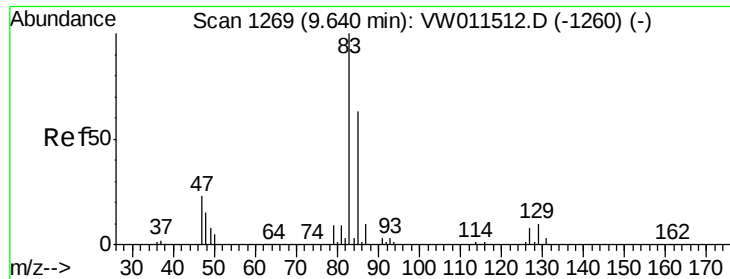
Tgt Ion: 63 Resp: 27530

Ion Ratio Lower Upper

63 100

65 214.0 24.2 36.4#





#47

Bromodichloromethane

Concen: 9.909 ug/l

RT: 9.75 min Scan# 1287

Delta R.T. 0.11 min

Lab File: VW012004.D

Acq: 19 Aug 2019 21:45

Instrument :

MSVOA_W

ClientSampled :

BOTTOM-2

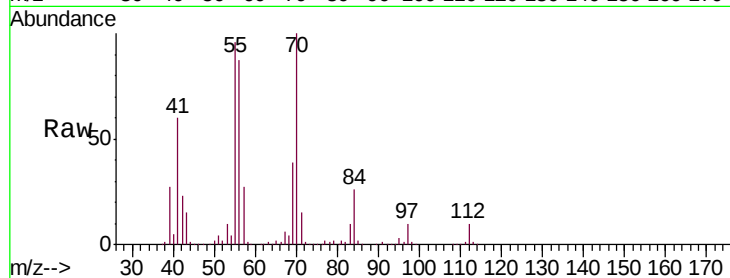
Tgt Ion: 83 Resp: 40548

Ion Ratio Lower Upper

83 100

85 17.7 50.5 75.7#

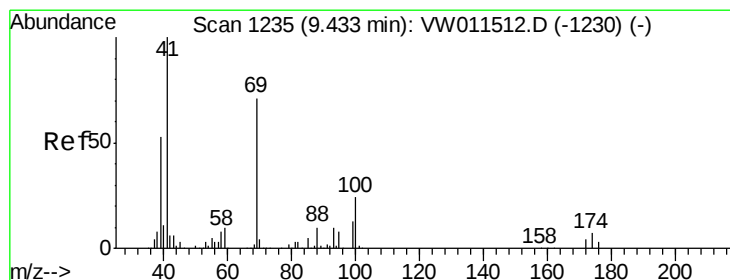
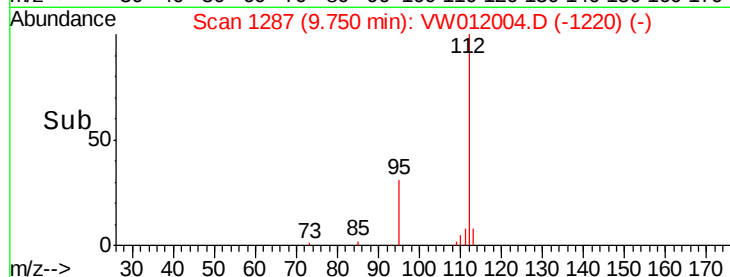
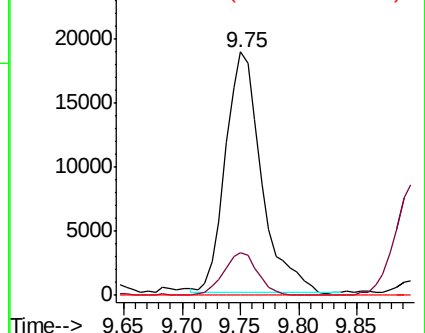
127 0.0 6.4 9.6#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.549 ug/l

RT: 9.52 min Scan# 1249

Delta R.T. 0.09 min

Lab File: VW012004.D

Acq: 19 Aug 2019 21:45

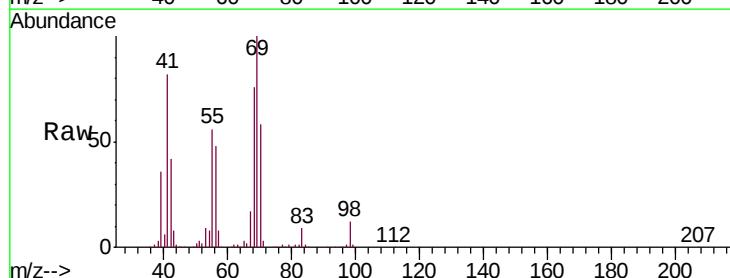
Tgt Ion: 41 Resp: 121796

Ion Ratio Lower Upper

41 100

69 117.9 57.1 85.7#

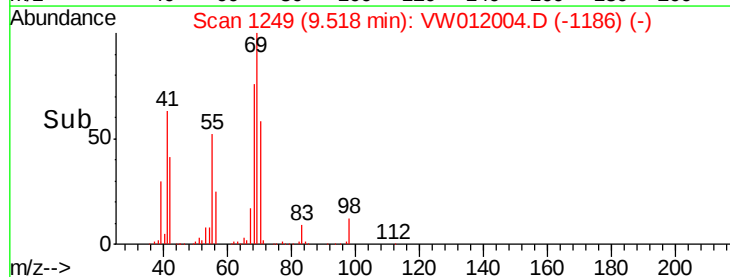
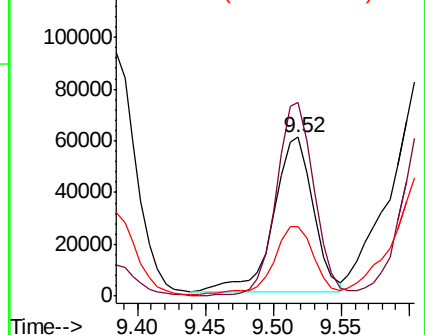
39 44.9 45.4 68.2#

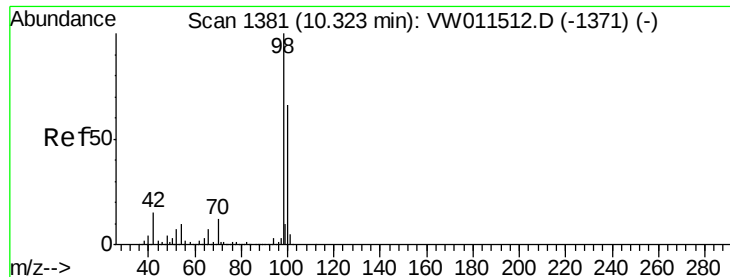


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 81.308 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012004.D

Acq: 19 Aug 2019 21:45

Instrument :

MSVOA_W

ClientSampleId :

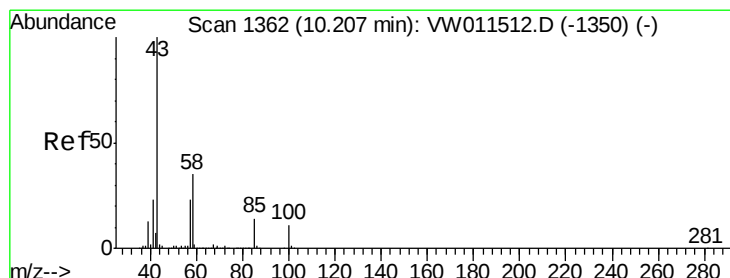
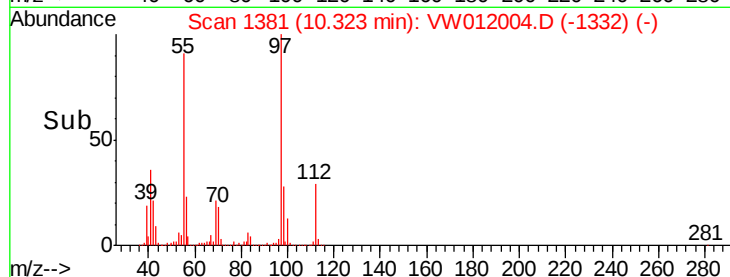
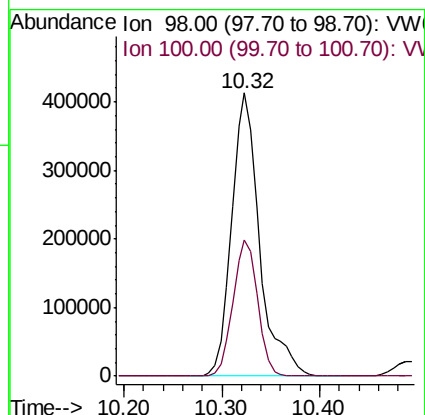
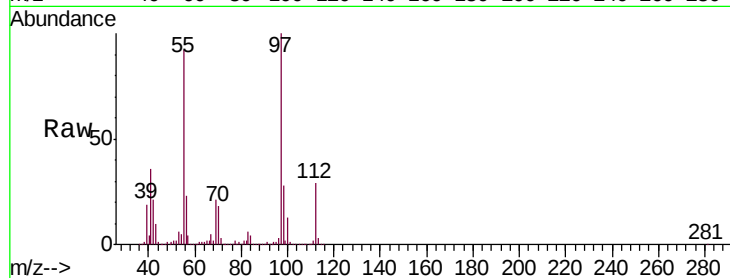
BOTTOM-2

Tgt Ion: 98 Resp: 819058

Ion Ratio Lower Upper

98 100

100 42.3 52.7 79.1#



#51

4-Methyl-2-Pentanone

Concen: 110.017 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW012004.D

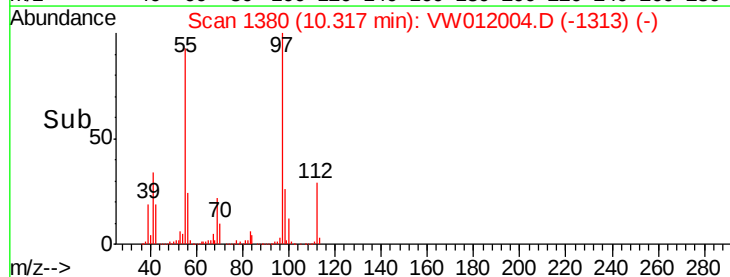
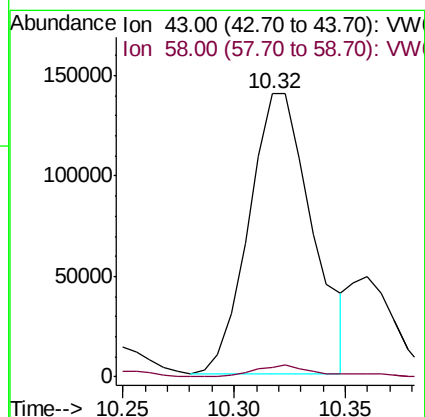
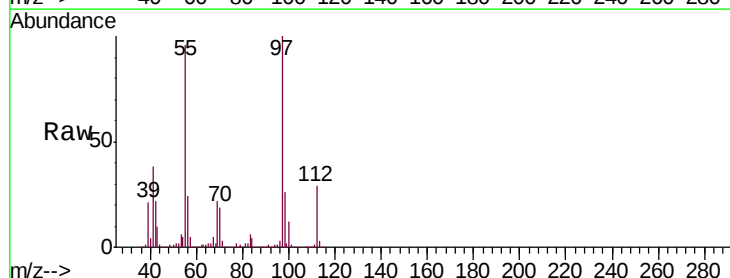
Acq: 19 Aug 2019 21:45

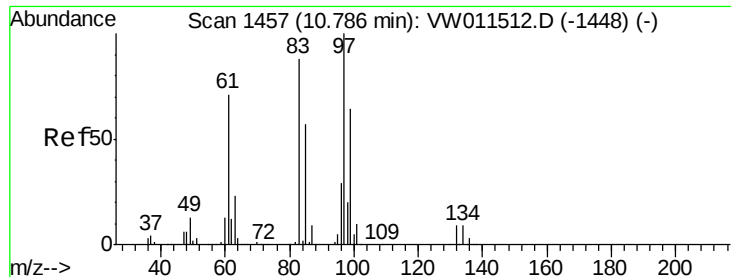
Tgt Ion: 43 Resp: 276111

Ion Ratio Lower Upper

43 100

58 3.4 28.2 42.2#

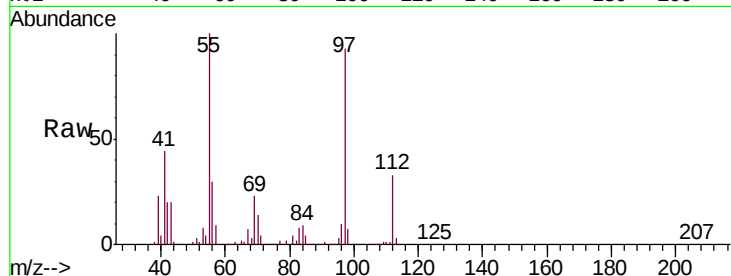




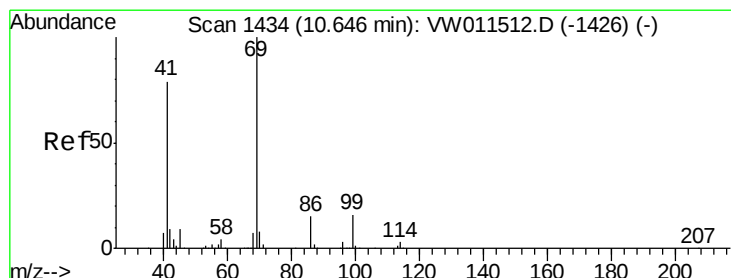
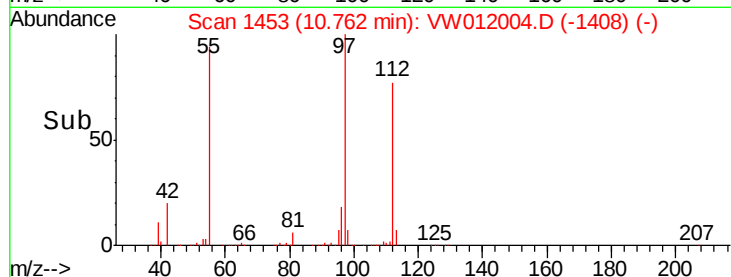
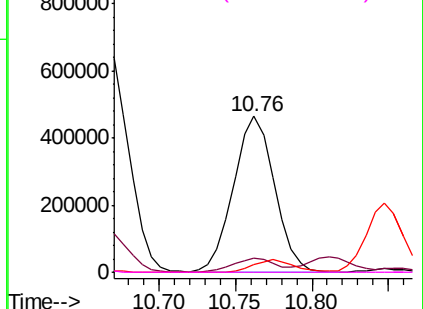
#55
 1,1,2-Trichloroethane
 Concen: 389.073 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW012004.D
 Acq: 19 Aug 2019 21:45

Instrument :
 MSVOA_W
 ClientSampleId :
 BOTTOM-2

Tgt Ion: 97 Resp: 861129
 Ion Ratio Lower Upper
 97 100
 83 8.7 70.5 105.7#
 85 4.6 45.8 68.6#
 99 0.3 51.0 76.4#

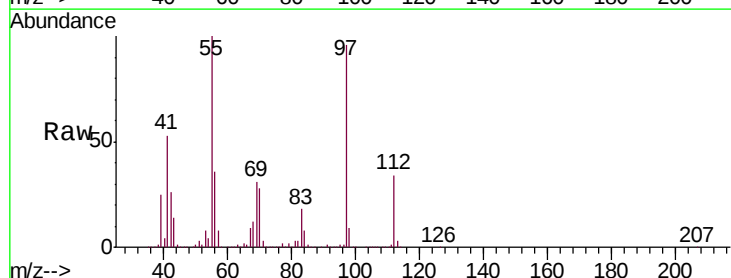


Abundance Ion 96.90 (96.60 to 97.60): VW
 1000000 Ion 82.90 (82.60 to 83.60): VW
 800000 Ion 84.90 (84.60 to 85.60): VW
 600000 Ion 98.90 (98.60 to 99.60): VW
 400000
 200000
 0

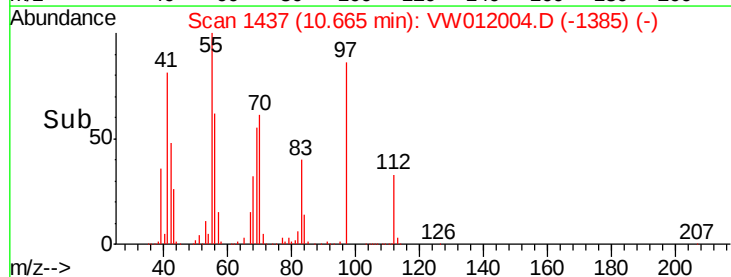
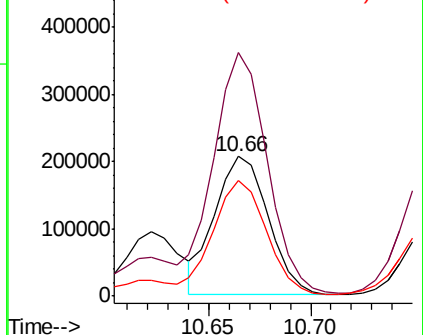


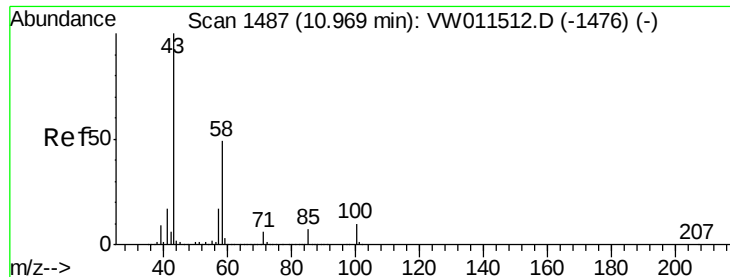
#56
 Ethyl methacrylate
 Concen: 116.212 ug/l
 RT: 10.66 min Scan# 1437
 Delta R.T. 0.02 min
 Lab File: VW012004.D
 Acq: 19 Aug 2019 21:45

Tgt Ion: 69 Resp: 376381
 Ion Ratio Lower Upper
 69 100
 41 175.0 66.6 99.8#
 39 82.2 30.3 45.5#



Abundance Ion 69.00 (68.70 to 69.70): VW
 500000 Ion 41.00 (40.70 to 41.70): VW
 400000 Ion 39.00 (38.70 to 39.70): VW
 300000
 200000
 100000
 0

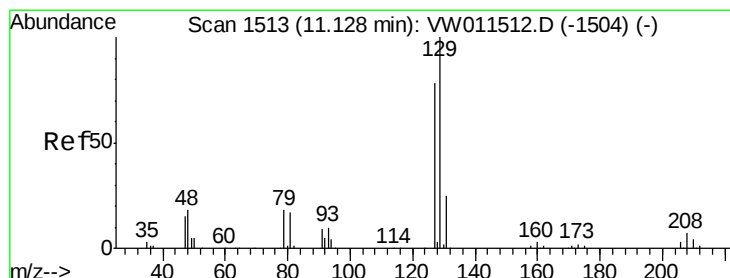
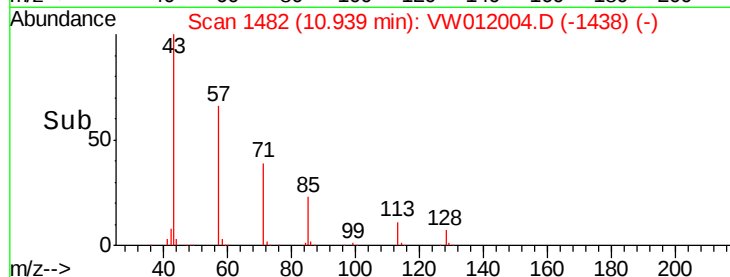
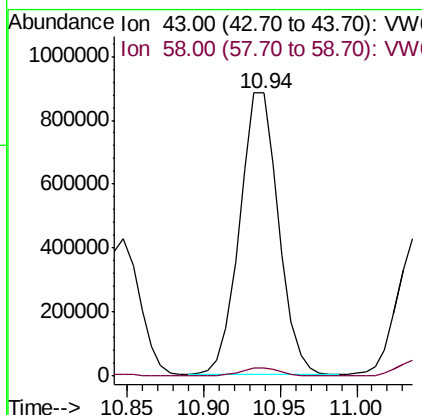
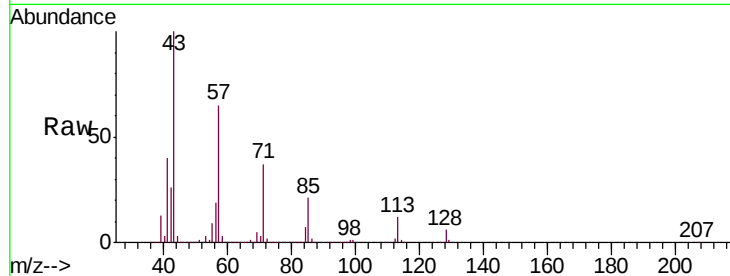




#59
2-Hexanone
Concen: 876.533 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW012004.D
Acq: 19 Aug 2019 21:45

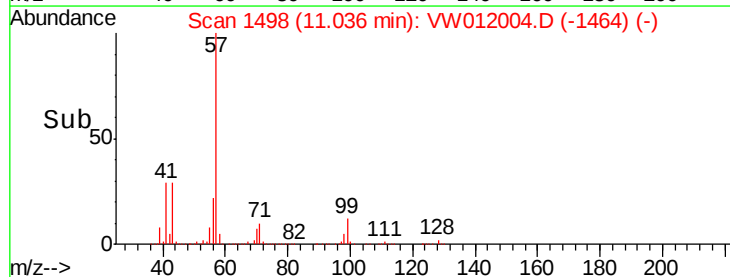
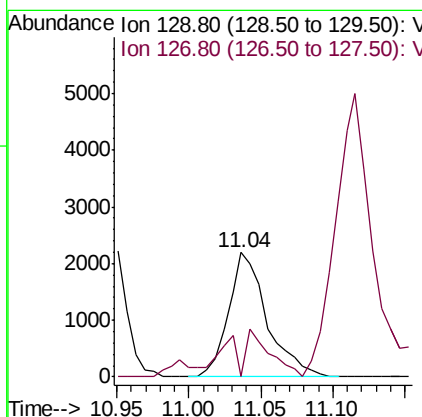
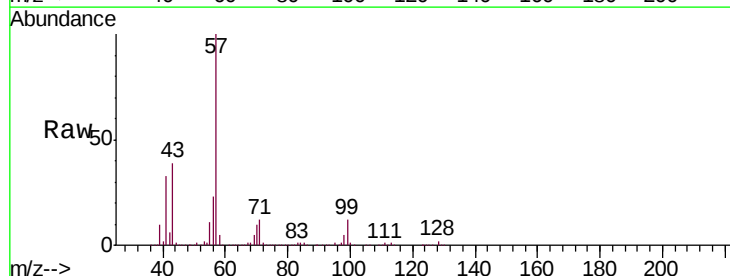
Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-2

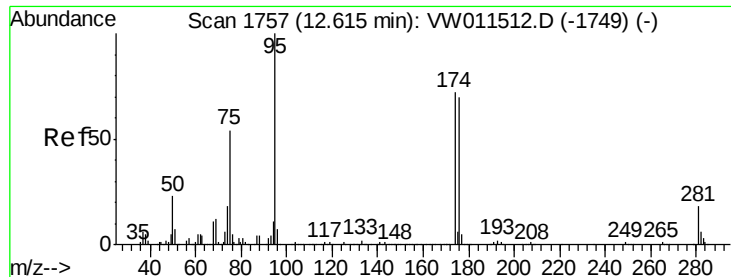
Tgt Ion: 43 Resp: 1553235
Ion Ratio Lower Upper
43 100
58 2.9 24.3 72.9#



#60
Dibromochloromethane
Concen: 1.669 ug/l
RT: 11.04 min Scan# 1498
Delta R.T. -0.09 min
Lab File: VW012004.D
Acq: 19 Aug 2019 21:45

Tgt Ion: 129 Resp: 4101
Ion Ratio Lower Upper
129 100
127 16.0 38.9 116.7#





#62

4-Bromofluorobenzene

Concen: 70.886 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012004.D

Acq: 19 Aug 2019 21:45

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-2

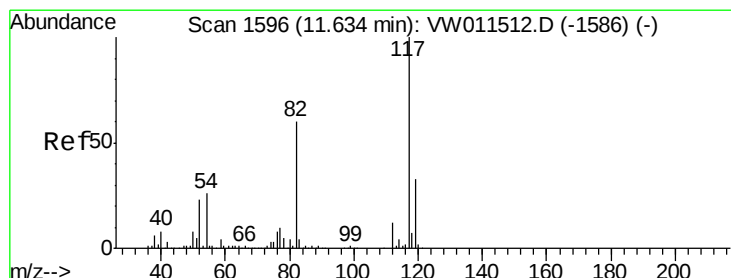
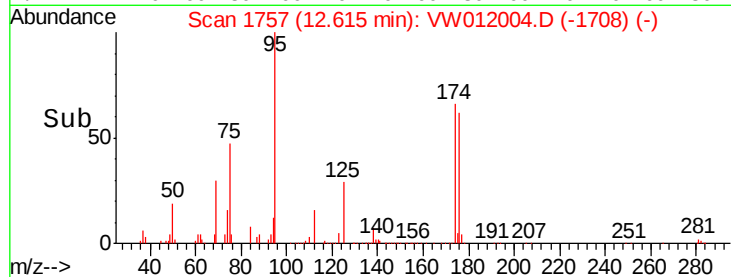
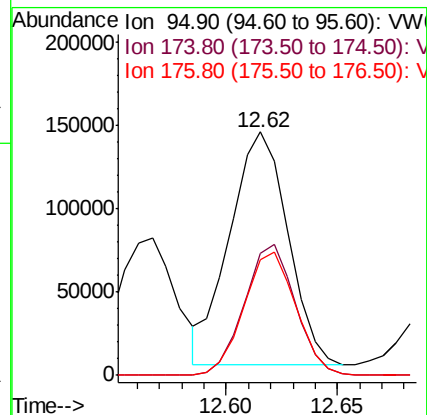
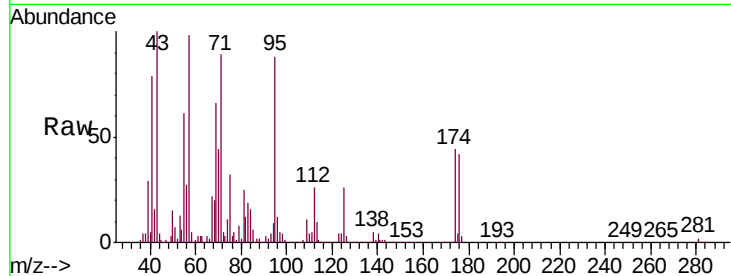
Tgt Ion: 95 Resp: 254579

Ion Ratio Lower Upper

95 100

174 49.4 0.0 150.2

176 47.4 0.0 144.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW012004.D

Acq: 19 Aug 2019 21:45

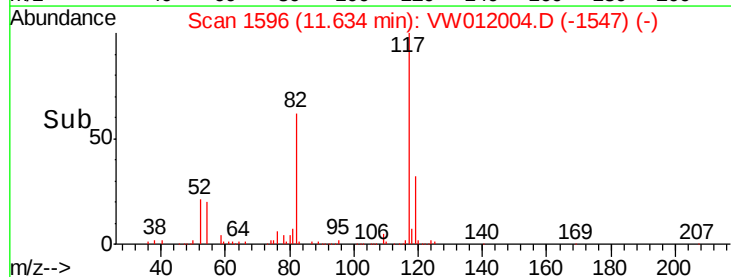
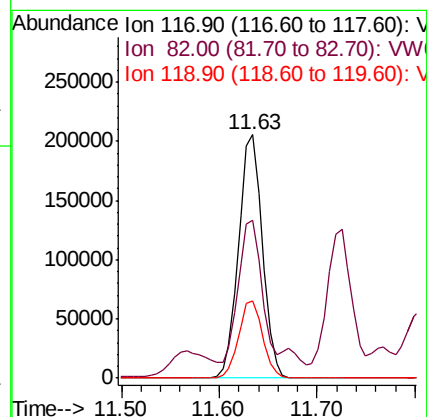
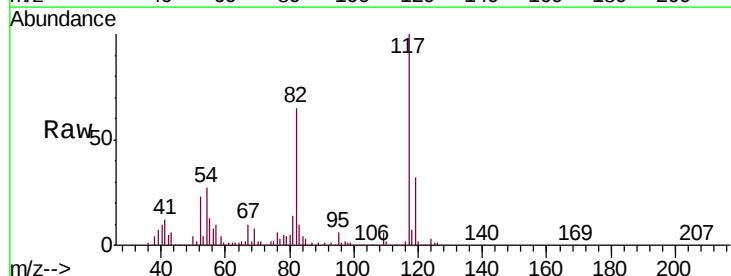
Tgt Ion: 117 Resp: 348080

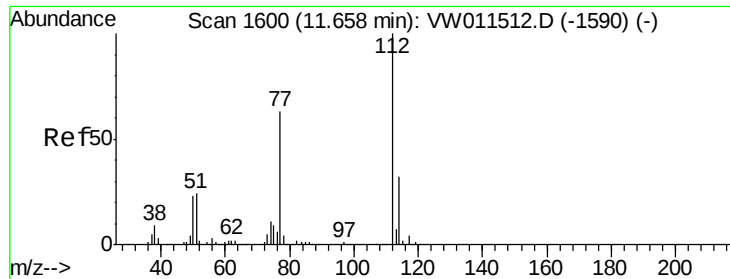
Ion Ratio Lower Upper

117 100

82 54.8 47.9 71.9

119 31.8 26.2 39.2

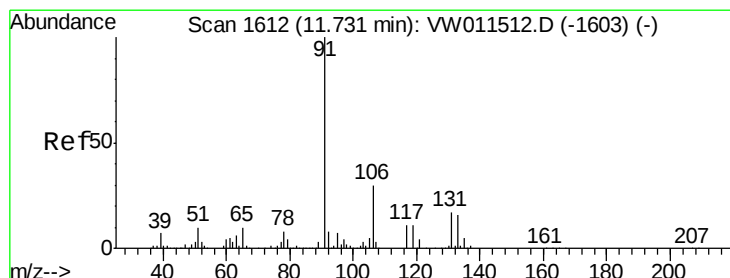
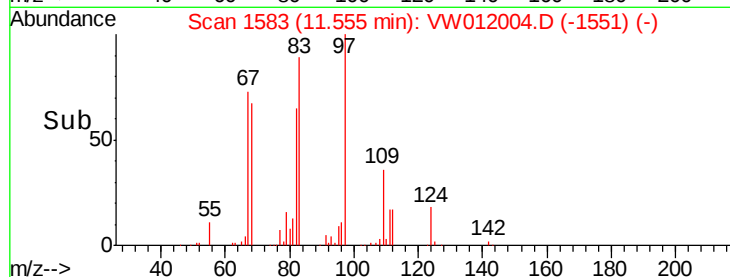
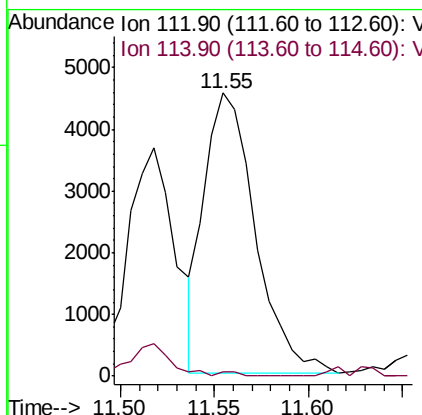
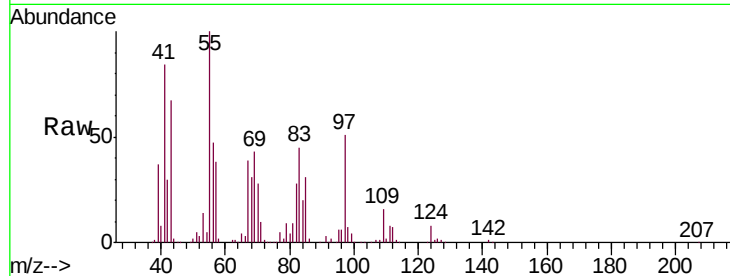




#65
Chlorobenzene
Concen: 1.215 ug/l
RT: 11.55 min Scan# 1583
Delta R.T. -0.10 min
Lab File: VW012004.D
Acq: 19 Aug 2019 21:45

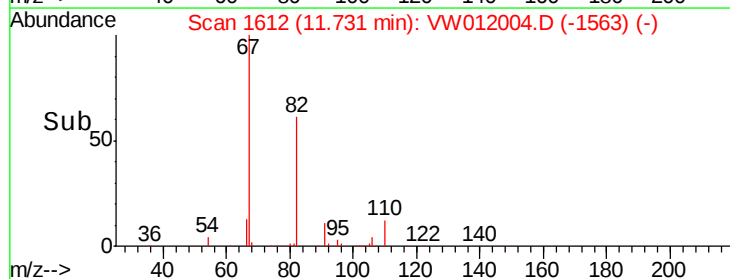
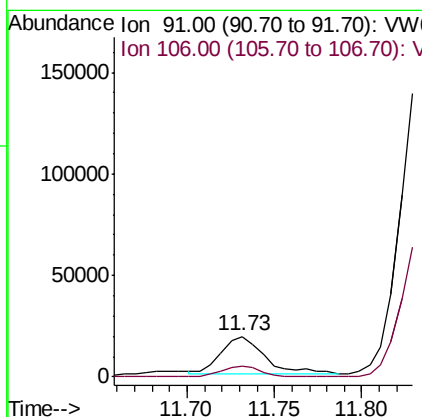
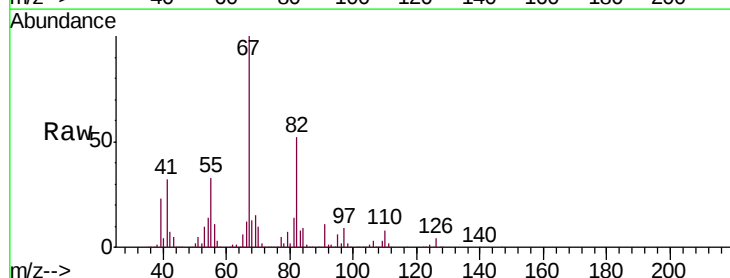
Instrument :
MSVOA_W
ClientSampled :
BOTTOM-2

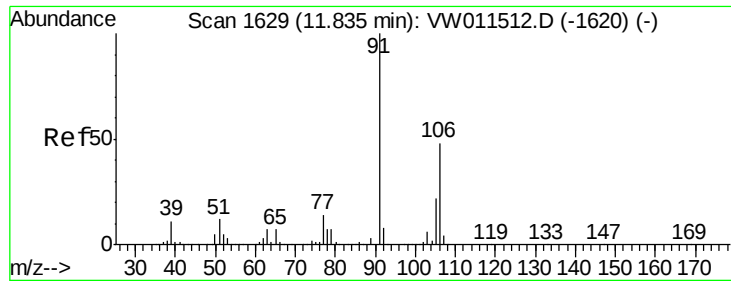
Tgt Ion: 112 Resp: 8506
Ion Ratio Lower Upper
112 100
114 0.1 25.6 38.4#



#67
Ethyl Benzene
Concen: 2.415 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012004.D
Acq: 19 Aug 2019 21:45

Tgt Ion: 91 Resp: 32191
Ion Ratio Lower Upper
91 100
106 28.5 23.8 35.6

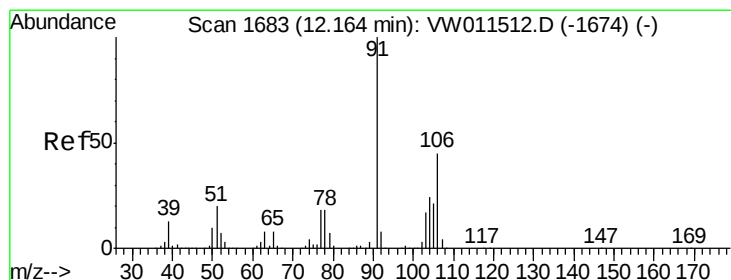
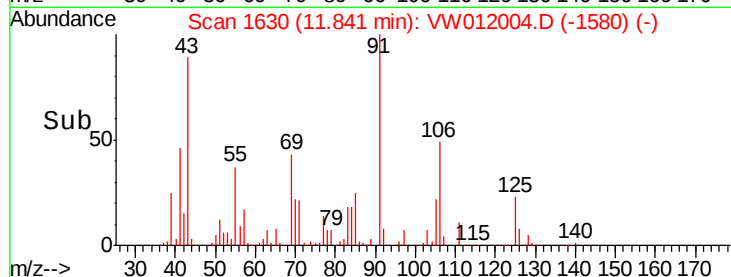
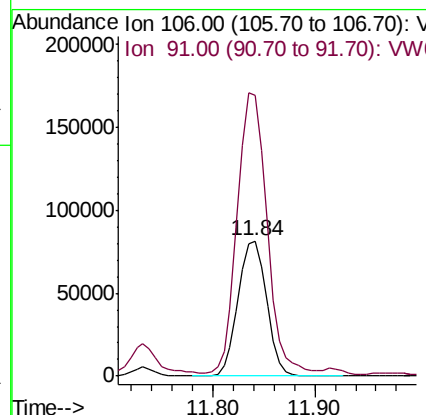
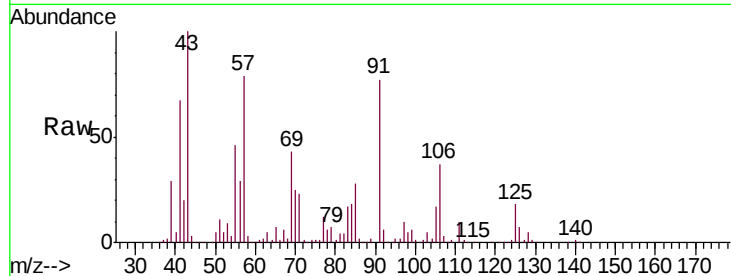




#68
m/p-Xylenes
Concen: 32.527 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012004.D
Acq: 19 Aug 2019 21:45

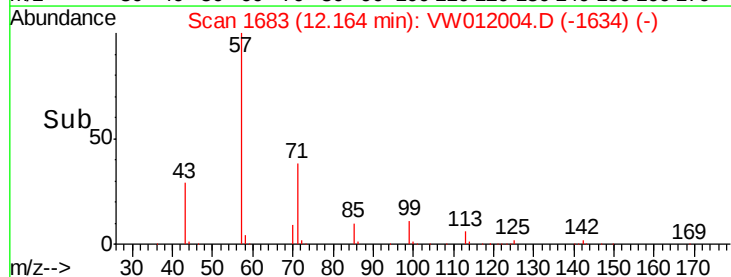
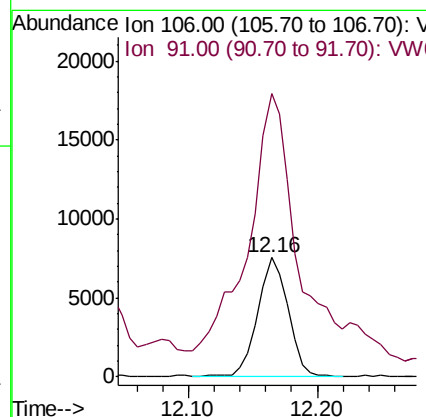
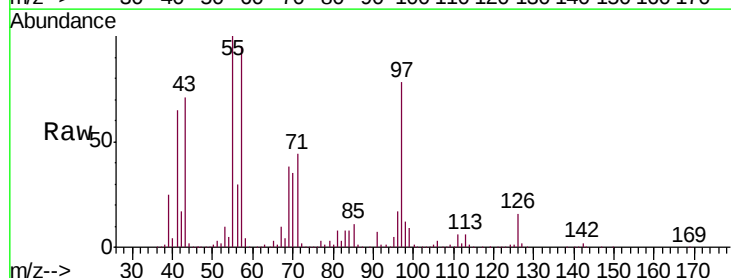
Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-2

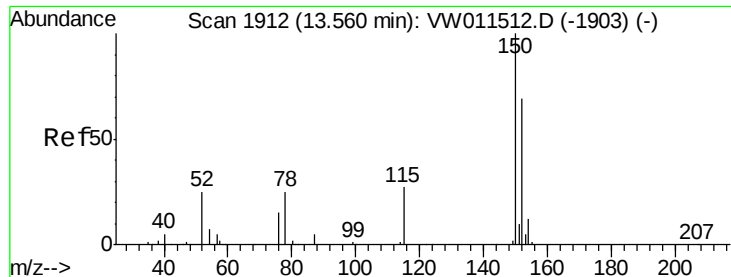
Tgt Ion:106 Resp: 157659
Ion Ratio Lower Upper
106 100
91 216.7 168.2 252.2



#69
o-Xylene
Concen: 2.758 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012004.D
Acq: 19 Aug 2019 21:45

Tgt Ion:106 Resp: 12423
Ion Ratio Lower Upper
106 100
91 319.3 110.5 331.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012004.D

Acq: 19 Aug 2019 21:45

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-2

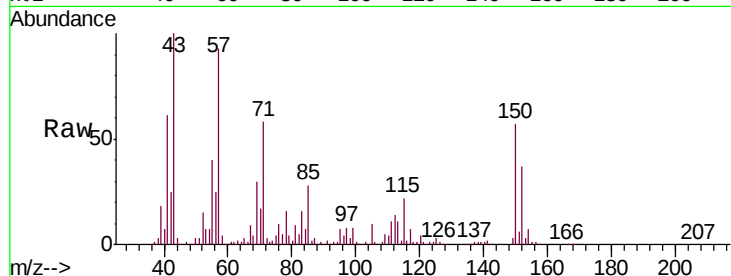
Tgt Ion:152 Resp: 154897

Ion Ratio Lower Upper

152 100

115 78.0 30.5 91.5

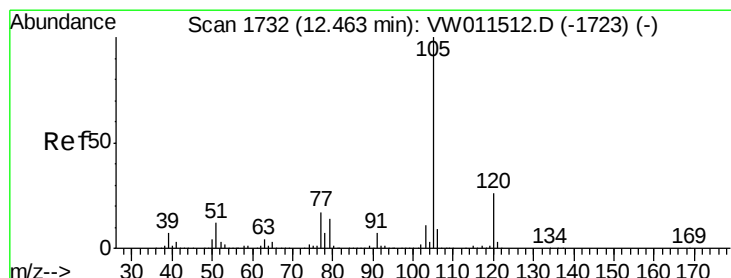
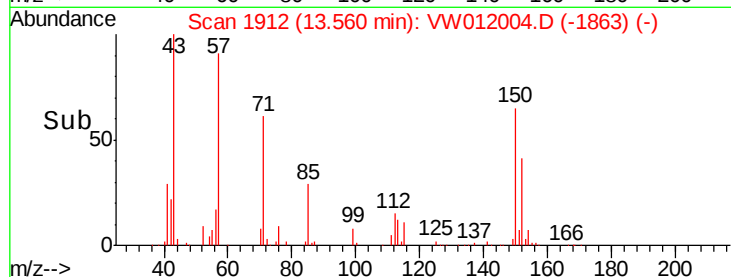
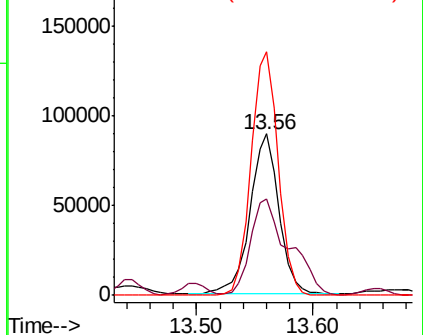
150 141.3 0.0 352.6



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



#73

Isopropylbenzene

Concen: 10.818 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012004.D

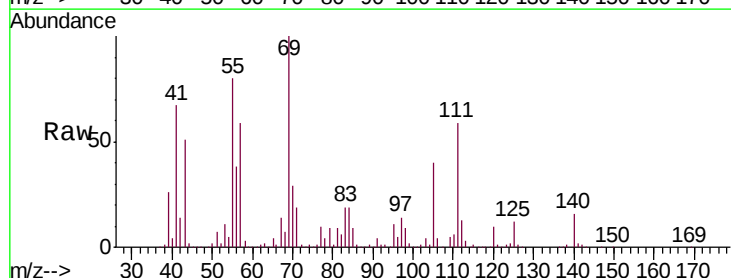
Acq: 19 Aug 2019 21:45

Tgt Ion:105 Resp: 125009

Ion Ratio Lower Upper

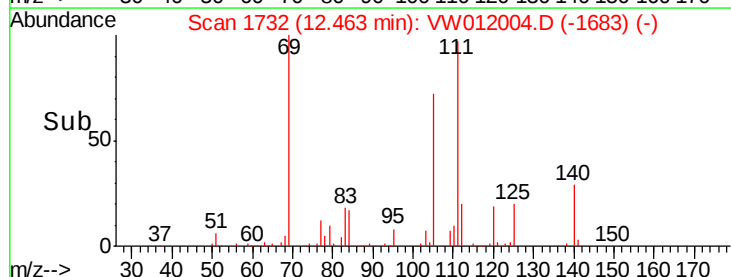
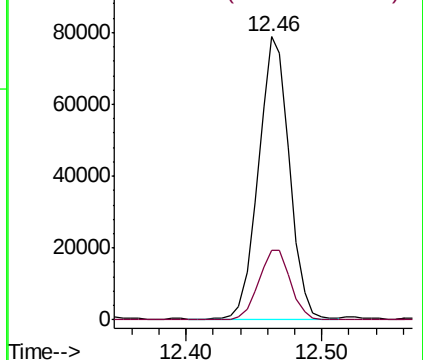
105 100

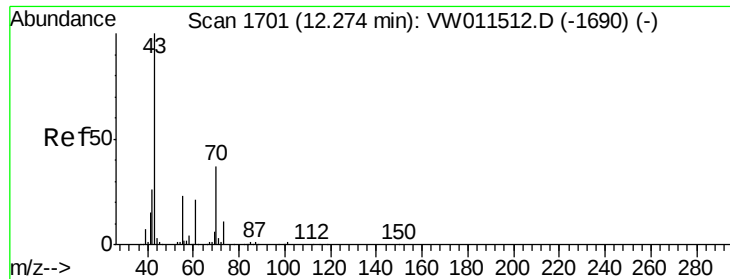
120 25.5 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: 333.694 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW012004.D

Acq: 19 Aug 2019 21:45

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-2

Tgt Ion: 43 Resp: 1207241

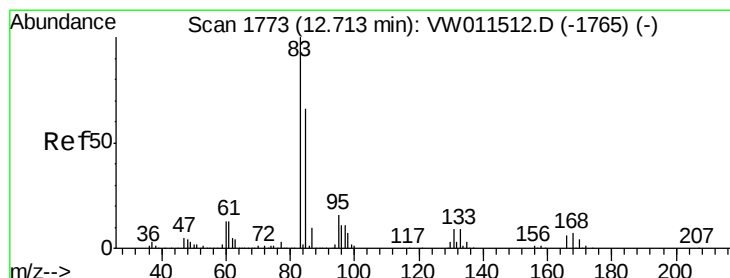
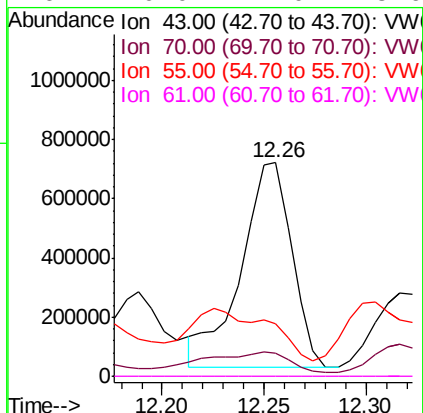
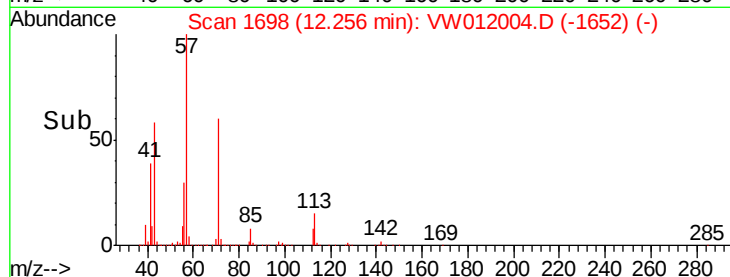
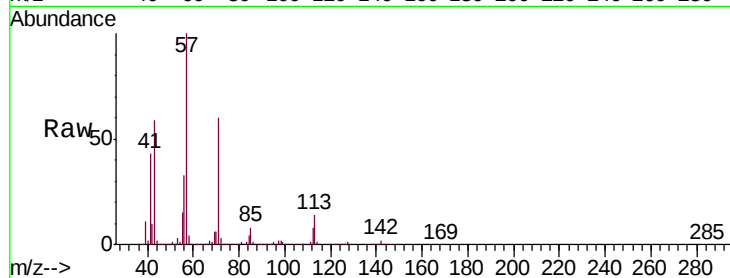
Ion Ratio Lower Upper

43 100

70 17.0 28.6 43.0#

55 0.0 17.8 26.8#

61 0.0 17.0 25.6#



#75

1,1,2,2-Tetrachloroethane

Concen: 13.554 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW012004.D

Acq: 19 Aug 2019 21:45

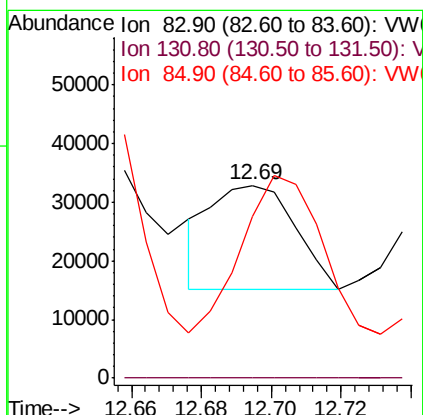
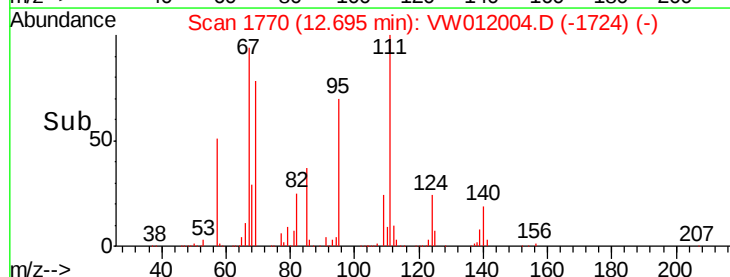
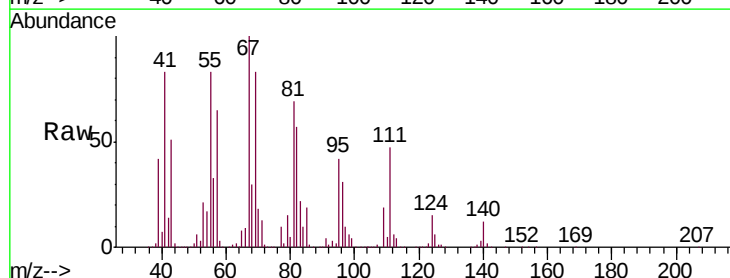
Tgt Ion: 83 Resp: 29462

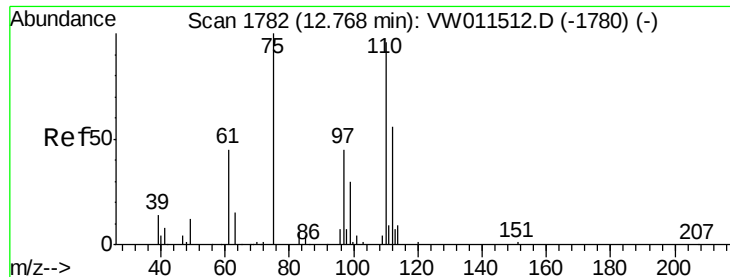
Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

85 190.4 31.8 95.4#

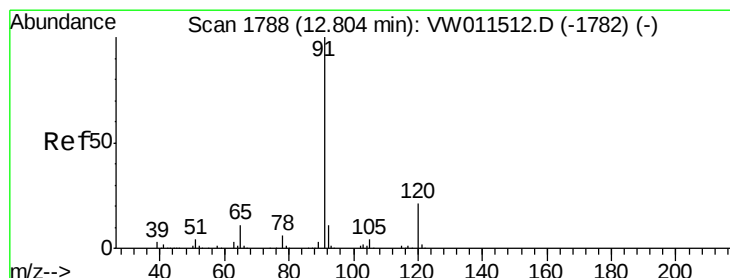
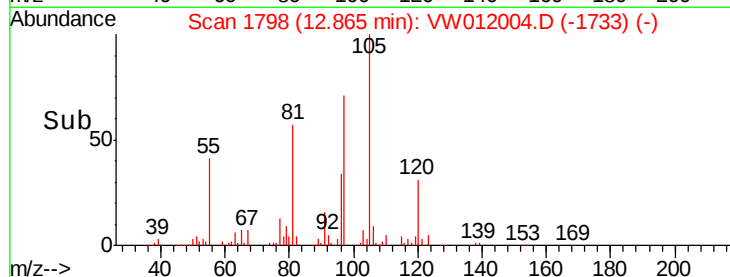
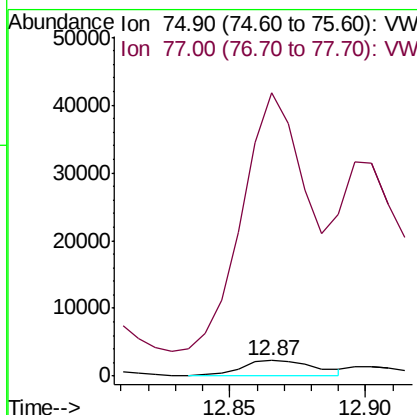
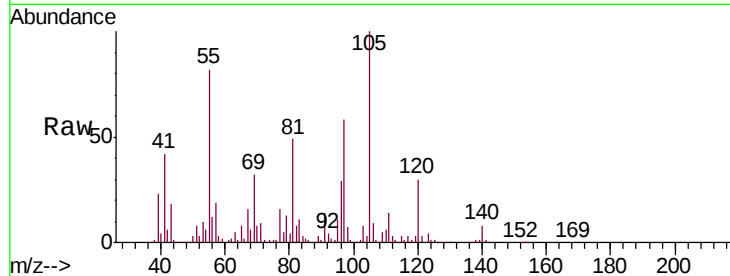




#76
 1,2,3-Trichloropropane
 Concen: 2.531 ug/l
 RT: 12.87 min Scan# 1798
 Delta R.T. 0.10 min
 Lab File: VW012004.D
 Acq: 19 Aug 2019 21:45

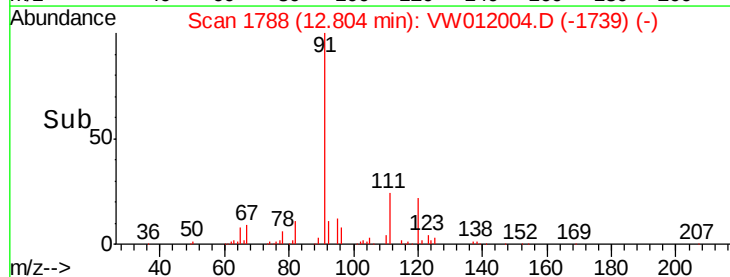
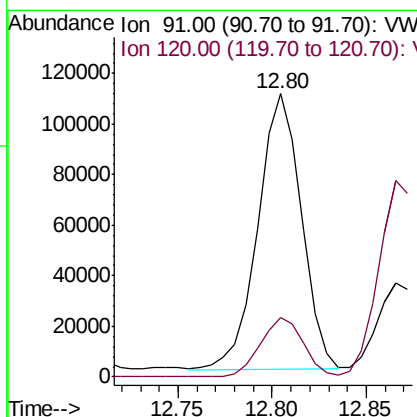
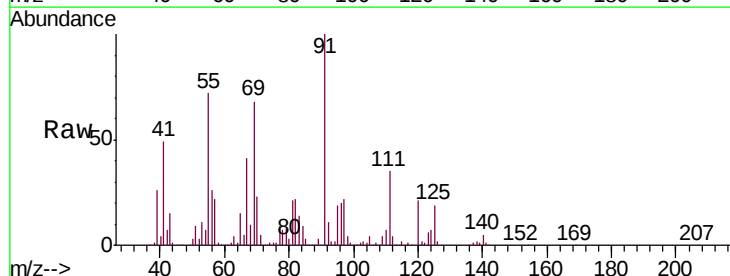
Instrument :
 MSVOA_W
 ClientSampleId :
 BOTTOM-2

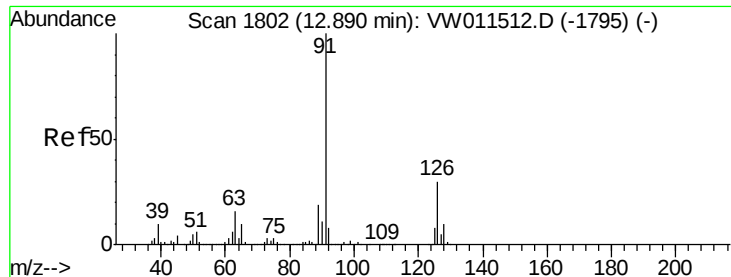
Tgt Ion: 75 Resp: 4149
 Ion Ratio Lower Upper
 75 100
 77 1518.3 0.0 0.0#



#78
 n-propylbenzene
 Concen: 12.400 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: VW012004.D
 Acq: 19 Aug 2019 21:45

Tgt Ion: 91 Resp: 174385
 Ion Ratio Lower Upper
 91 100
 120 21.5 10.9 32.7

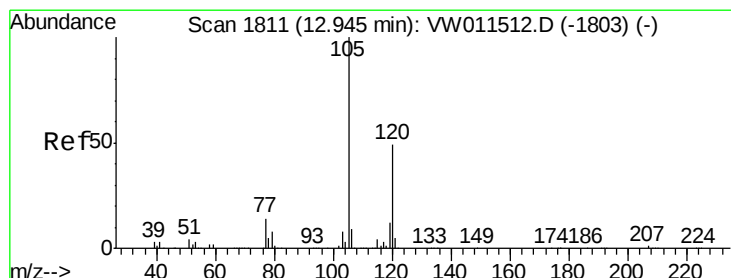
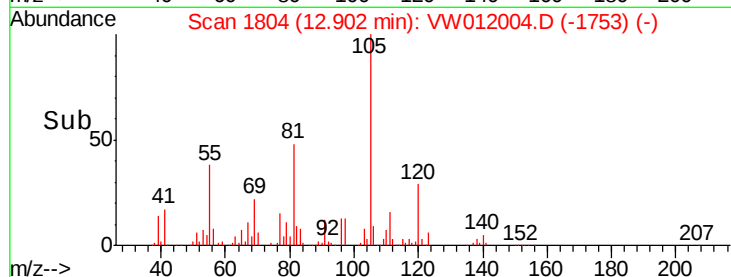
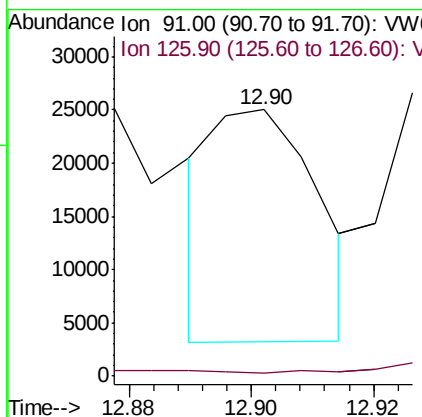
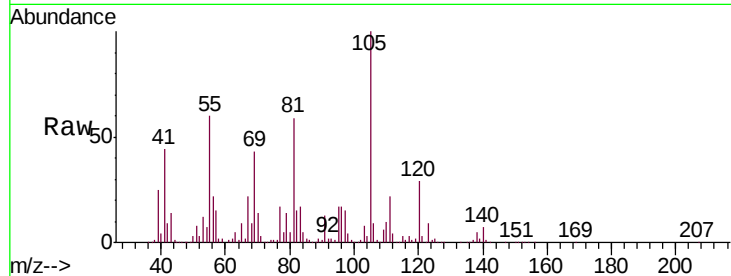




#79
 2-Chlorotoluene
 Concen: 3.178 ug/l
 RT: 12.90 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VW012004.D
 Acq: 19 Aug 2019 21:45

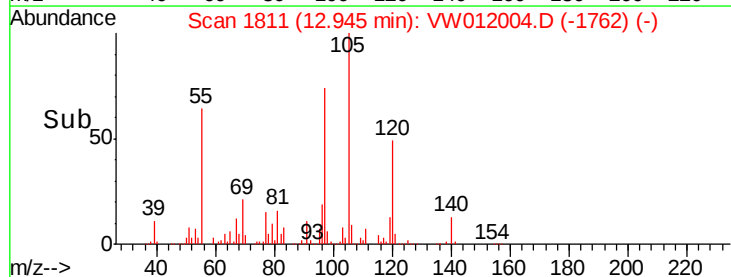
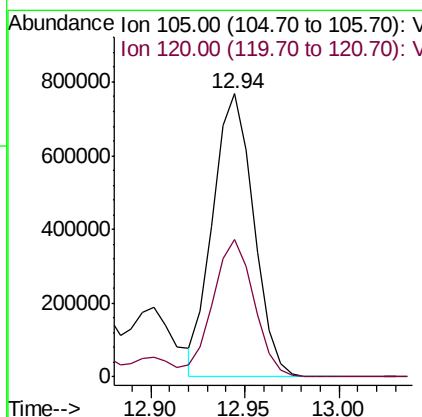
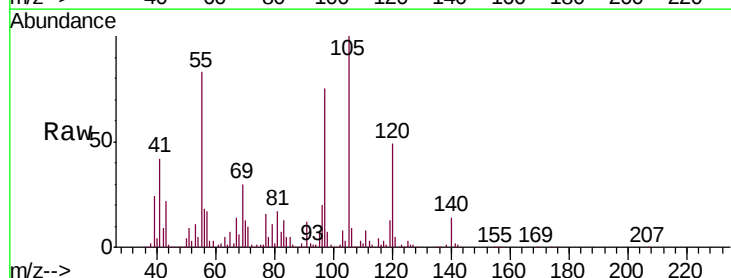
Instrument :
 MSVOA_W
 ClientSampleId :
 BOTTOM-2

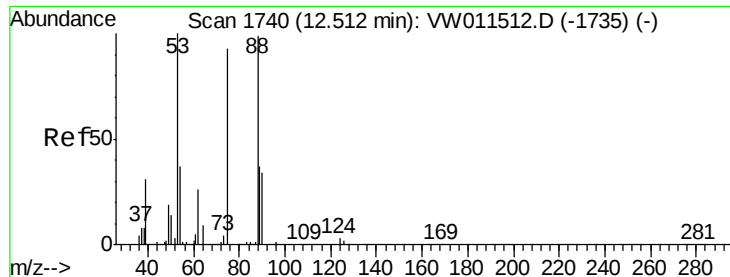
Tgt Ion: 91 Resp: 25746
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.7 47.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 119.022 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW012004.D
 Acq: 19 Aug 2019 21:45

Tgt Ion: 105 Resp: 1152909
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 120.083 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012004.D

Acq: 19 Aug 2019 21:45

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-2

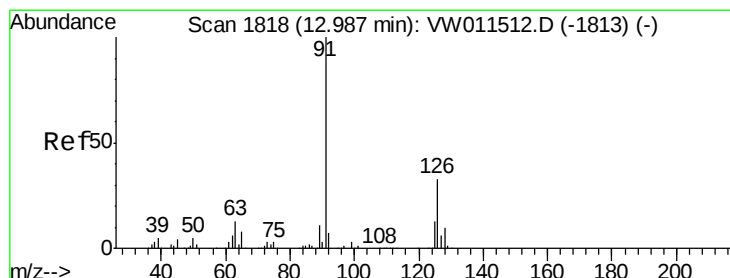
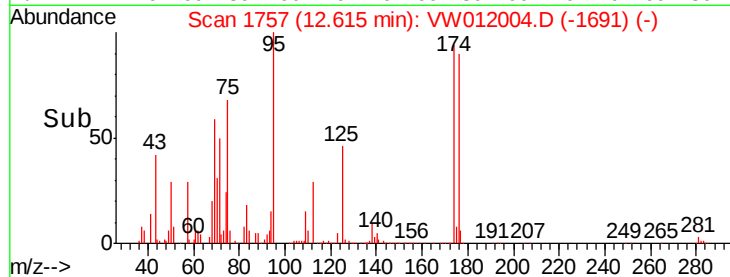
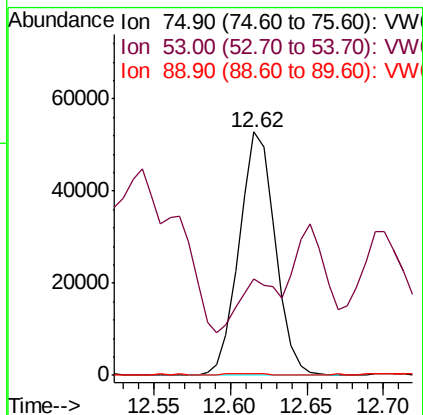
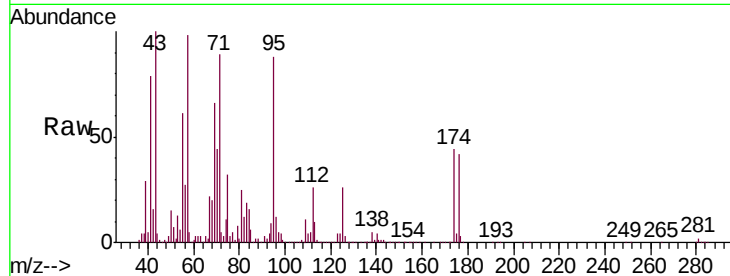
Tgt Ion: 75 Resp: 85399

Ion Ratio Lower Upper

75 100

53 23.3 88.0 132.0#

89 0.6 35.3 52.9#



#82

4-Chlorotoluene

Concen: 15.740 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.04 min

Lab File: VW012004.D

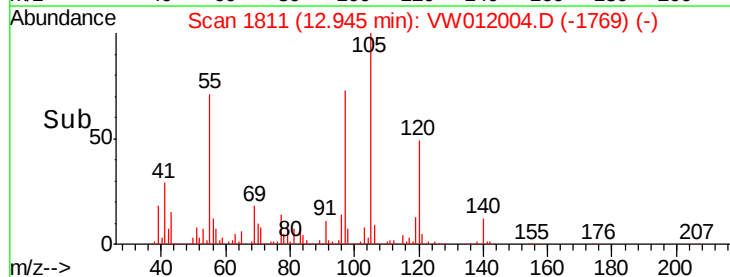
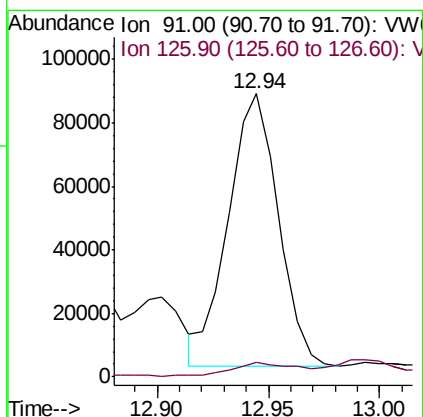
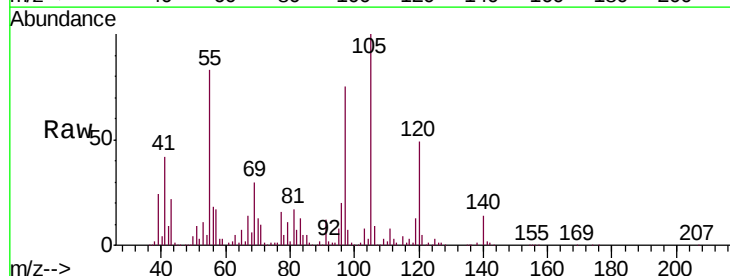
Acq: 19 Aug 2019 21:45

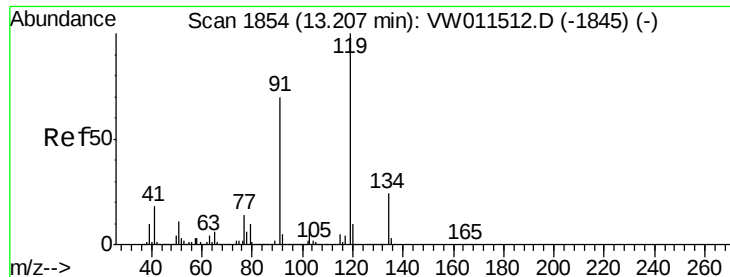
Tgt Ion: 91 Resp: 133802

Ion Ratio Lower Upper

91 100

126 6.4 15.6 46.8#

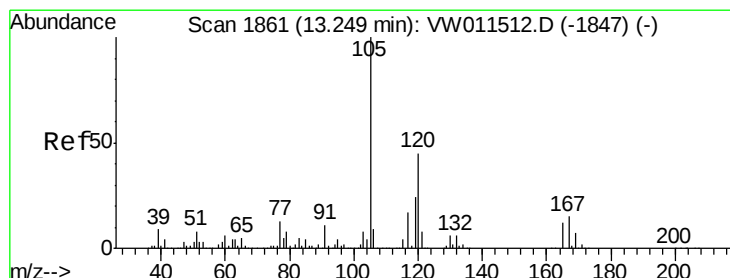
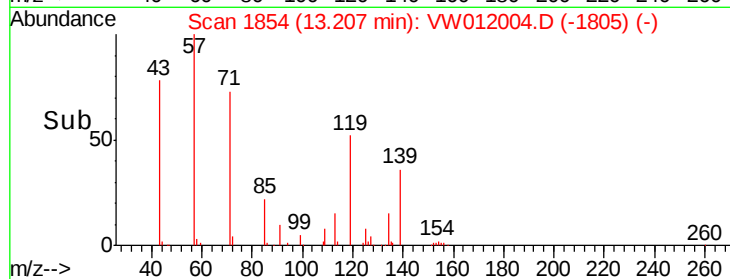
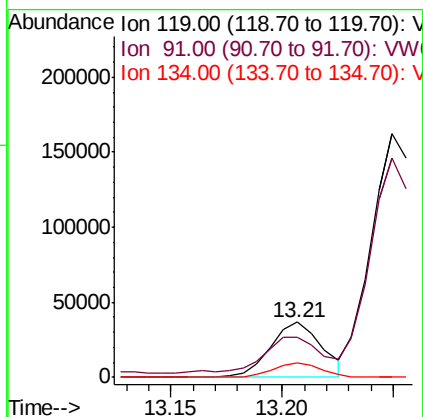
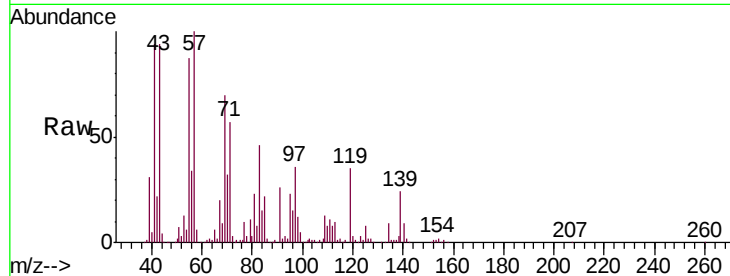




#83
 tert-Butylbenzene
 Concen: 7.277 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012004.D
 Acq: 19 Aug 2019 21:45

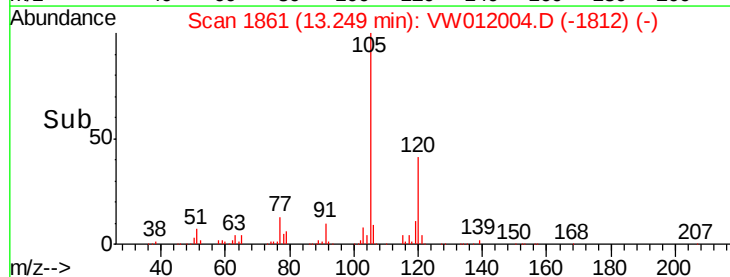
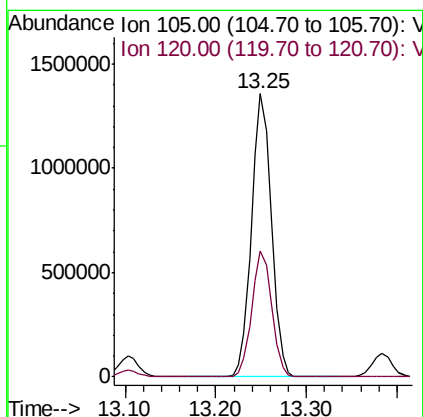
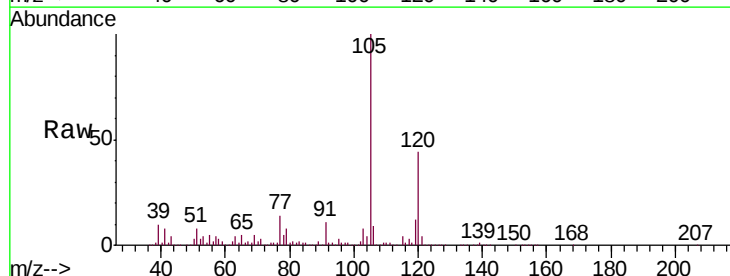
Instrument :
 MSVOA_W
 ClientSampleId :
 BOTTOM-2

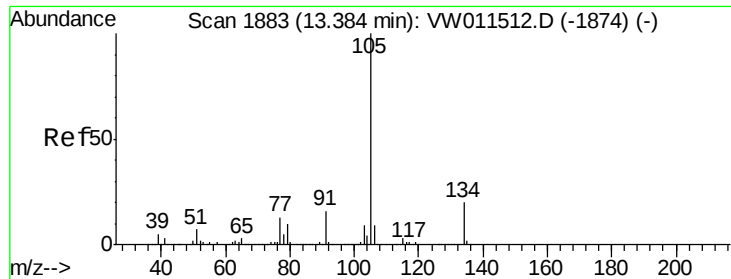
Tgt Ion:119 Resp: 58948
 Ion Ratio Lower Upper
 119 100
 91 74.1 34.5 103.6
 134 24.8 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 211.462 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012004.D
 Acq: 19 Aug 2019 21:45

Tgt Ion:105 Resp: 2063404
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.1 66.5





#85

sec-Butylbenzene

Concen: 14.415 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012004.D

Acq: 19 Aug 2019 21:45

Instrument :

MSVOA_W

ClientSampleId :

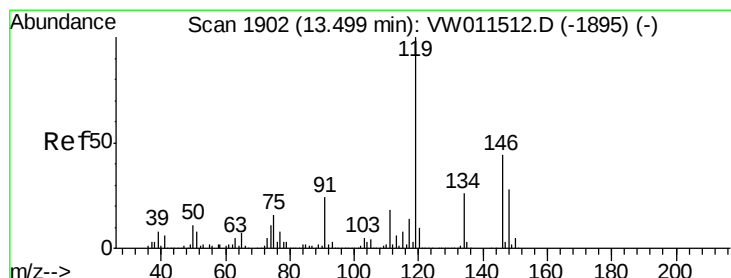
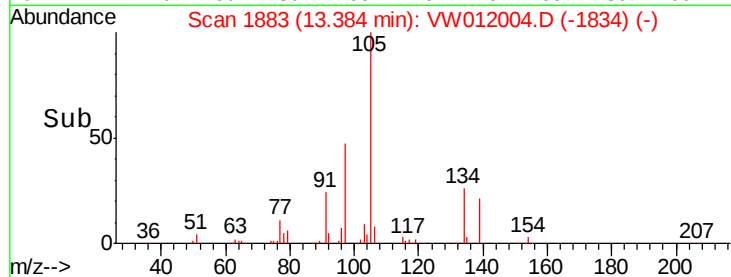
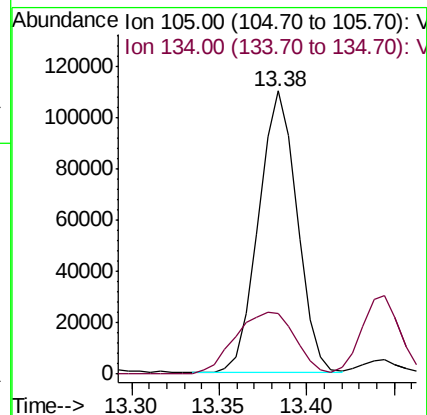
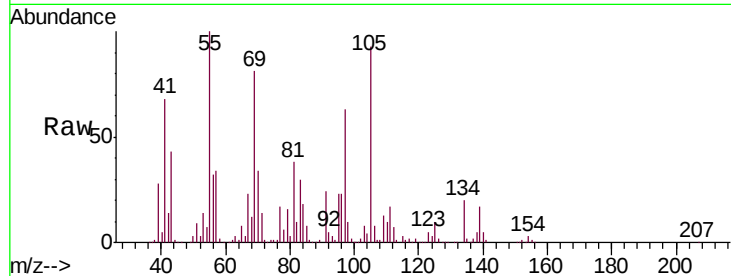
BOTTOM-2

Tgt Ion:105 Resp: 166609

Ion Ratio Lower Upper

105 100

134 34.6 9.7 29.1#



#86

p-Isopropyltoluene

Concen: 13.126 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012004.D

Acq: 19 Aug 2019 21:45

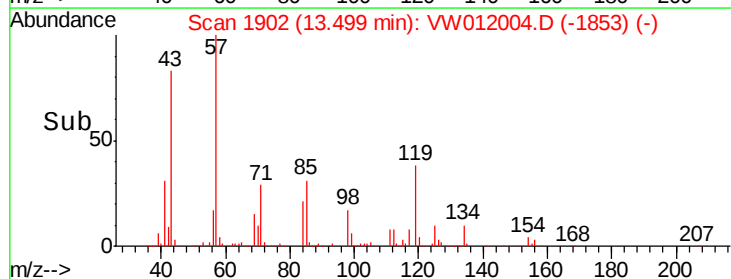
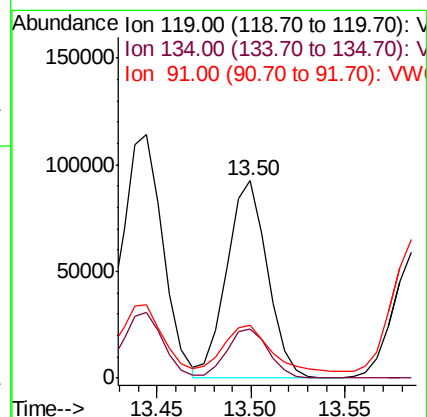
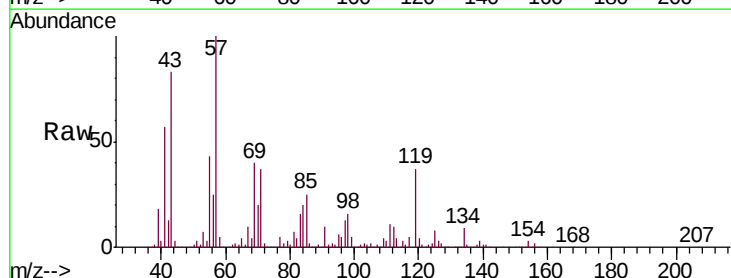
Tgt Ion:119 Resp: 137649

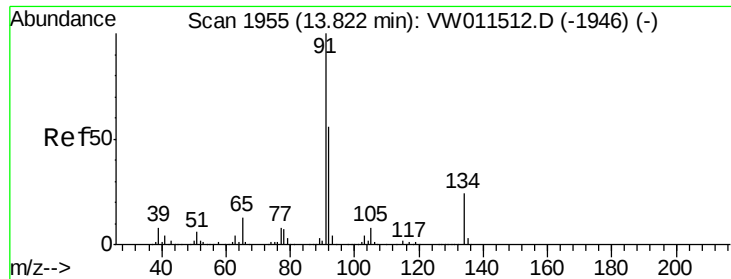
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

91 26.8 12.1 36.3

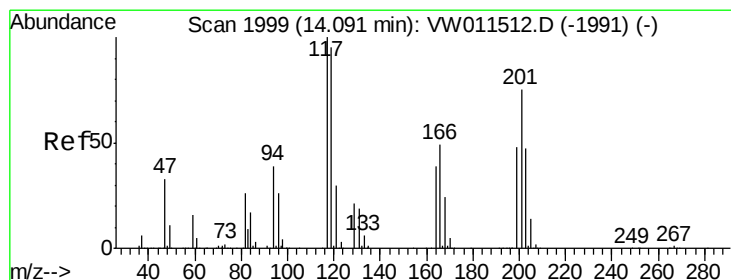
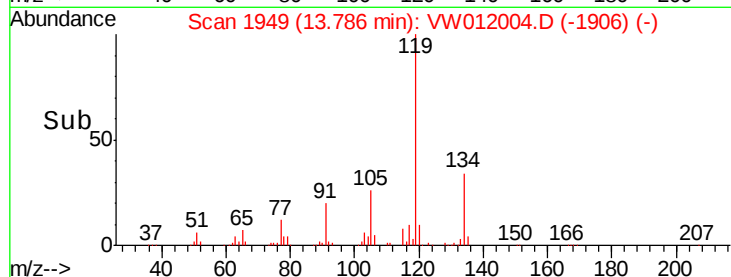
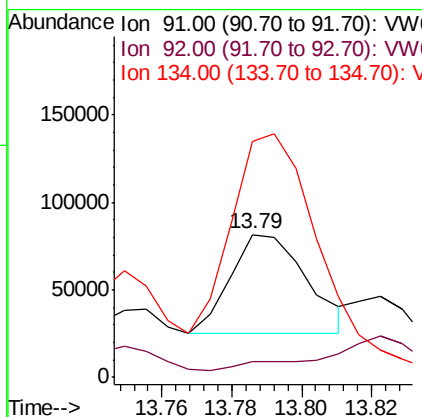
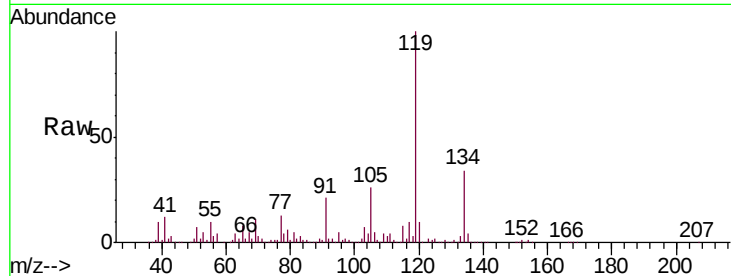




#89
n-Butylbenzene
Concen: 8.253 ug/l
RT: 13.79 min Scan# 1949
Delta R.T. -0.04 min
Lab File: VW012004.D
Acq: 19 Aug 2019 21:45

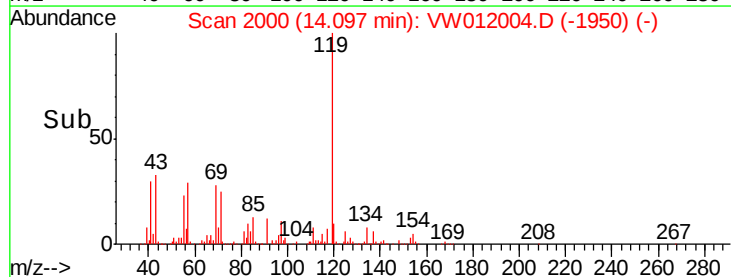
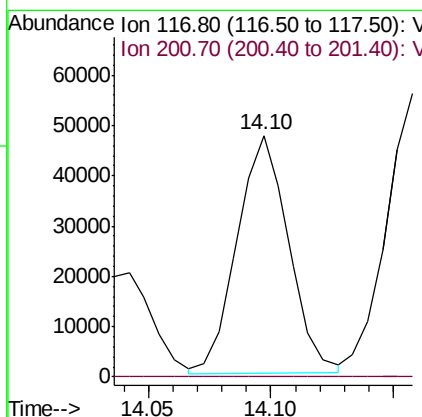
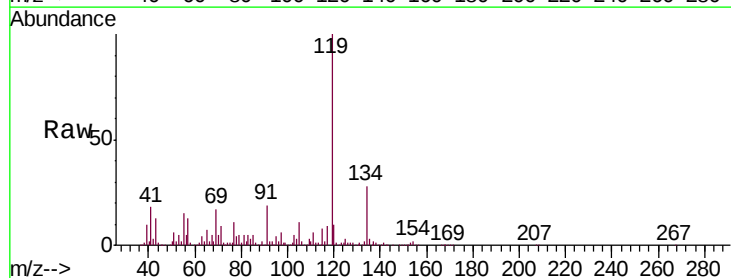
Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-2

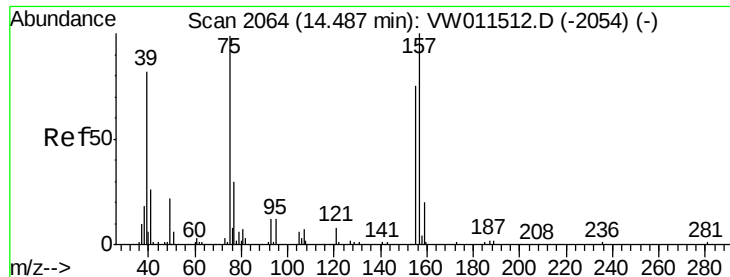
Tgt Ion: 91 Resp: 86374
Ion Ratio Lower Upper
91 100
92 0.0 27.5 82.4#
134 299.8 12.2 36.6#



#90
Hexachloroethane
Concen: 37.482 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW012004.D
Acq: 19 Aug 2019 21:45

Tgt Ion: 117 Resp: 69506
Ion Ratio Lower Upper
117 100
201 0.0 39.4 118.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 4.319 ug/l

RT: 14.50 min Scan# 2066

Delta R.T. 0.01 min

Lab File: VW012004.D

Acq: 19 Aug 2019 21:45

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-2

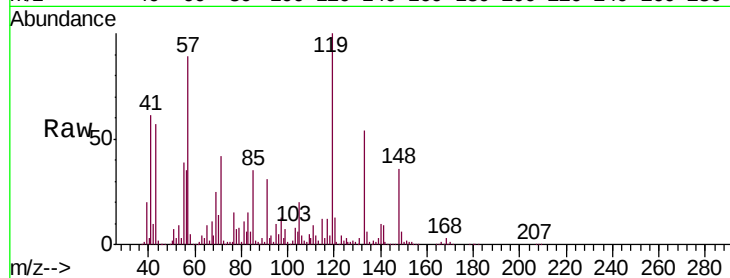
Tgt Ion: 75 Resp: 1601

Ion Ratio Lower Upper

75 100

155 44.6 38.2 114.6

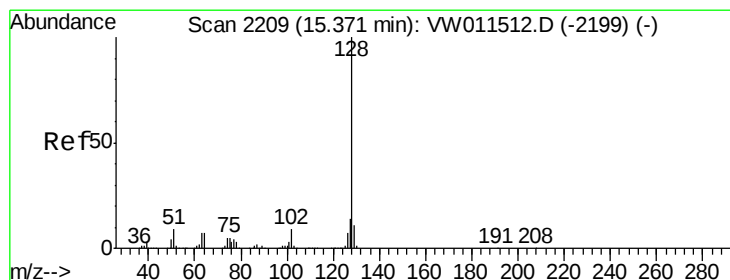
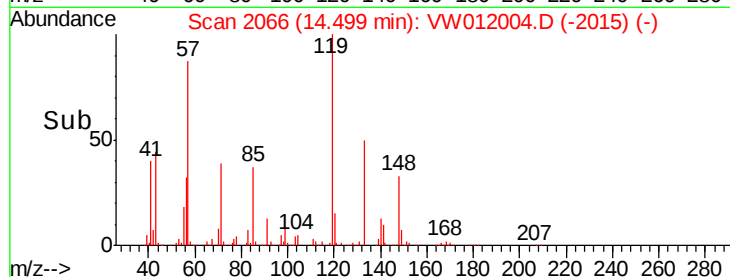
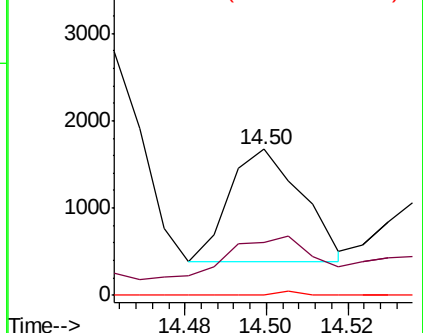
157 1.2 48.9 146.7#



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



#95

Naphthalene

Concen: 96.983 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW012004.D

Acq: 19 Aug 2019 21:45

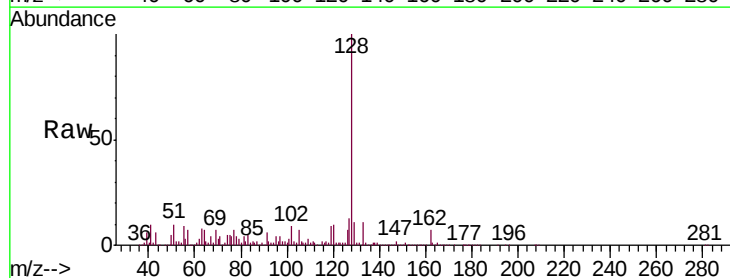
Tgt Ion: 128 Resp: 605435

Ion Ratio Lower Upper

128 100

127 15.0 10.6 16.0

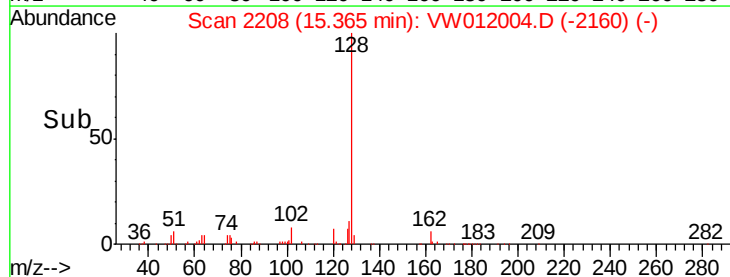
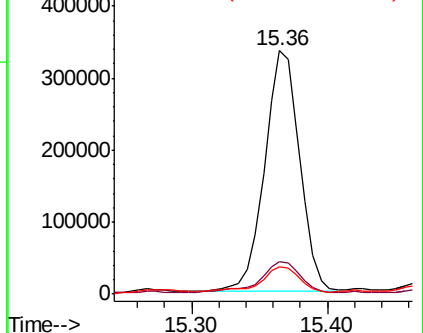
129 11.3 8.6 13.0

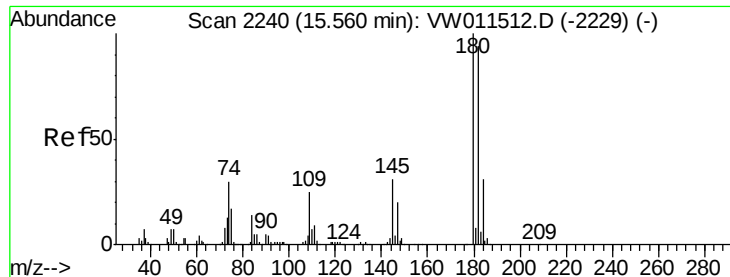


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

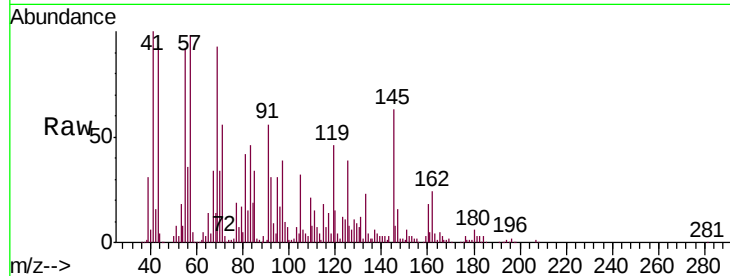




#96
 1,2,3-Trichlorobenzene
 Concen: 1.009 ug/l
 RT: 15.57 min Scan# 2242
 Delta R.T. 0.01 min
 Lab File: VW012004.D
 Acq: 19 Aug 2019 21:45

Instrument :
 MSVOA_W
 ClientSampleId :
 BOTTOM-2

Tgt Ion:180 Resp: 2761
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.4 142.2#
 145 0.0 15.9 47.7#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

