

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011993.D
 Acq On : 19 Aug 2019 15:58
 Operator : SY/VA
 Sample : K4391-04
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 19 16:27:02 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	24304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	35169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	29207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	18856	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	13607	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
35) Dibromofluoromethane	7.88	113	10771	54.59	ug/l	0.00
Spiked Amount			Recovery	=	109.18%	
50) Toluene-d8	10.32	98	290607	359.74	ug/l	0.00
Spiked Amount			Recovery	=	719.48%	
62) 4-Bromofluorobenzene	12.61	95	69888	242.66	ug/l	0.00
Spiked Amount			Recovery	=	485.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	26	Below Cal	#	72
13) Acrolein	3.93	56	42	2.097	ug/l #	1
15) Acrylonitrile	5.44	53	2436	34.058	ug/l #	43
16) Acetone	4.13	43	2872	32.352	ug/l #	75
18) Methyl Acetate	4.90	43	13255	66.465	ug/l #	57
25) 2-Butanone	7.17	43	6750	58.108	ug/l #	56
29) Tetrahydrofuran	7.52	42	101	1.521	ug/l #	41
30) Chloroform	7.68	83	4741	9.454	ug/l #	52
31) Cyclohexane	7.96	56	154753	296.572	ug/l	98
37) Ethyl Acetate	7.17	43	6750	32.083	ug/l #	73
38) Carbon Tetrachloride	7.95	117	2544	8.126	ug/l #	13
39) Methylcyclohexane	9.34	83	2078722	5162.321	ug/l	98
40) Benzene	8.42	78	2012	1.964	ug/l #	1
41) Methacrylonitrile	7.43	41	396	3.149	ug/l #	46
42) 1,2-Dichloroethane	8.43	62	893	2.785	ug/l #	1
43) Isopropyl Acetate	8.42	43	109279	282.426	ug/l #	55
45) 1,2-Dichloropropane	9.34	63	20439	74.574	ug/l #	1
46) Dibromomethane	9.46	93	328	2.622	ug/l #	15
47) Bromodichloromethane	9.75	83	38849	118.393	ug/l #	48
48) Methyl methacrylate	9.38	41	159018	855.551	ug/l #	18
51) 4-Methyl-2-Pentanone	10.25	43	30921	153.636	ug/l #	77
55) 1,1,2-Trichloroethane	10.76	97	654945	3690.058	ug/l #	21
56) Ethyl methacrylate	10.66	69	301889	1162.351	ug/l #	8
58) 2-Chloroethyl Vinyl ether	9.90	63	778	6.597	ug/l #	66
59) 2-Hexanone	10.94	43	1667044	11731.219	ug/l #	33
60) Dibromochloromethane	11.04	129	5654	28.698	ug/l #	55
61) 1,2-Dibromoethane	11.19	107	377	2.245	ug/l #	1
65) Chlorobenzene	11.55	112	6428	10.947	ug/l #	43
67) Ethyl Benzene	11.74	91	1643	1.469	ug/l #	56
73) Isopropylbenzene	12.46	105	3180	2.261	ug/l #	69
74) N-amyl acetate	12.26	43	1016007	2306.983	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.78	83	117470	443.953	ug/l #	26
76) 1,2,3-Trichloropropane	12.78	75	252	1.263	ug/l #	100
77) Bromobenzene	12.88	156	106769	343.393	ug/l #	1

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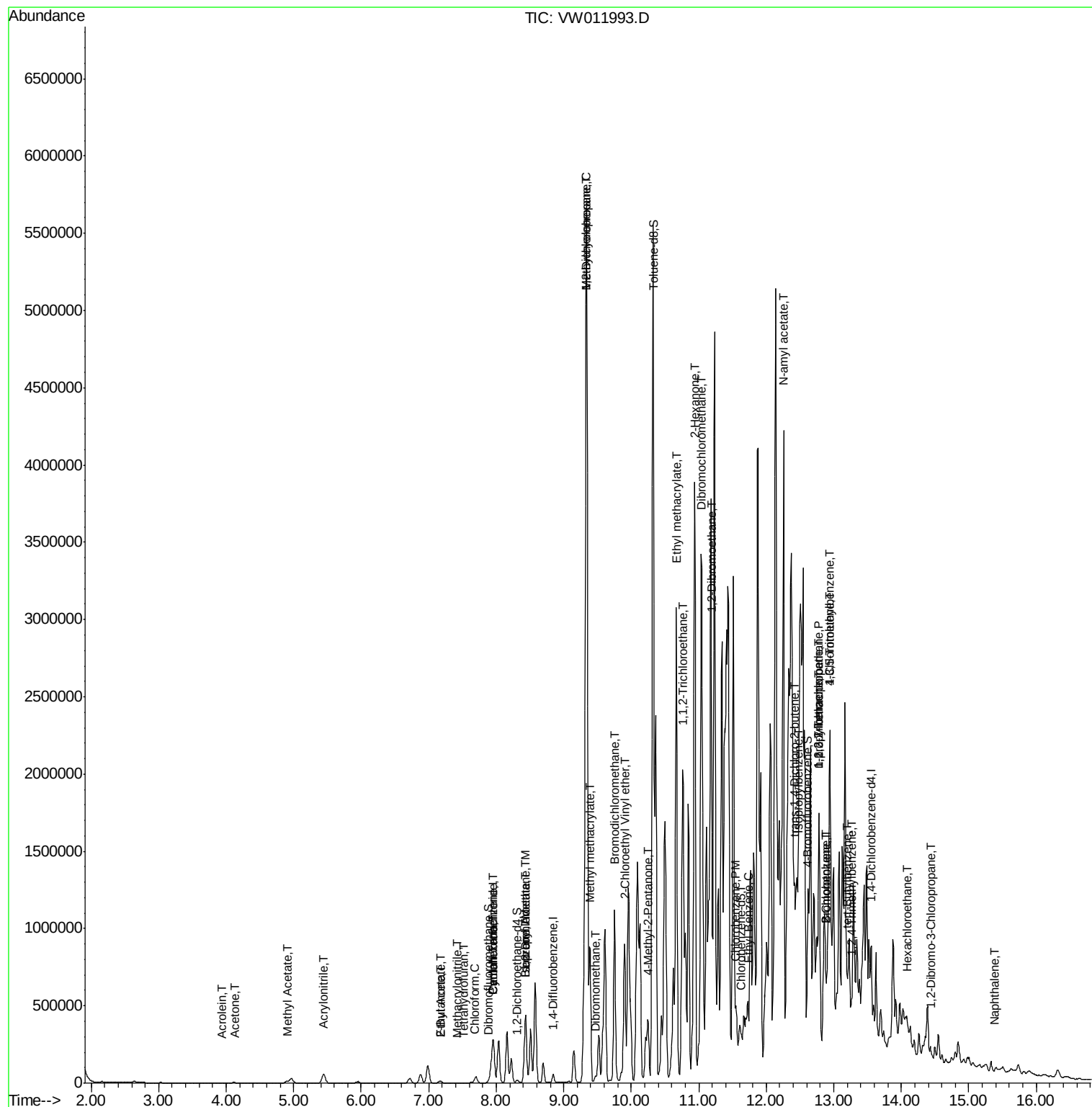
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) n-propylbenzene	12.79	91	10998	6.424	ug/l #	54
79) 2-Chlorotoluene	12.88	91	5378	5.453	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.94	105	2388	2.025	ug/l	71
81) trans-1,4-Dichloro-2-buten	12.42	75	661	7.635	ug/l #	15
82) 4-Chlorotoluene	12.94	91	6668	6.444	ug/l #	9
83) tert-Butylbenzene	13.20	119	2067	2.096	ug/l #	62
84) 1,2,4-Trimethylbenzene	13.26	105	1303	1.097	ug/l	99
90) Hexachloroethane	14.08	117	310	1.373	ug/l #	21
92) 1,2-Dibromo-3-Chloropropan	14.45	75	71	1.574	ug/l #	60
95) Naphthalene	15.38	128	128	2.231	ug/l #	1

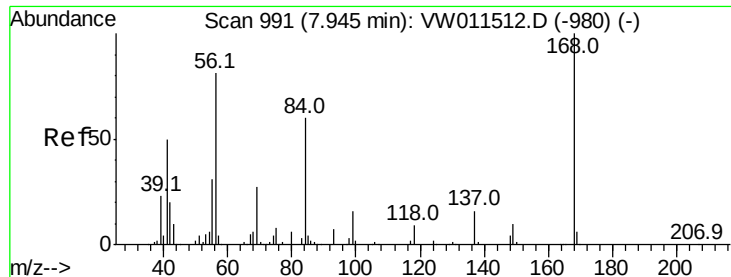
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

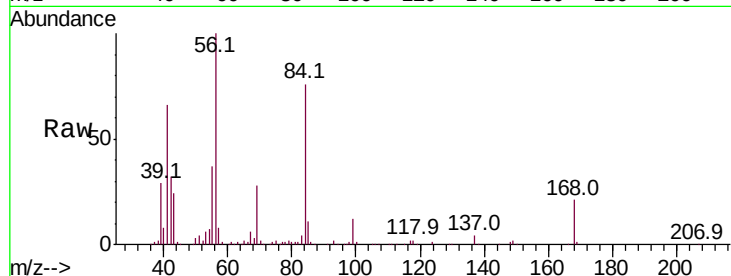
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 24304

Ion Ratio Lower Upper

168 100

99 57.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

12000

10000

8000

6000

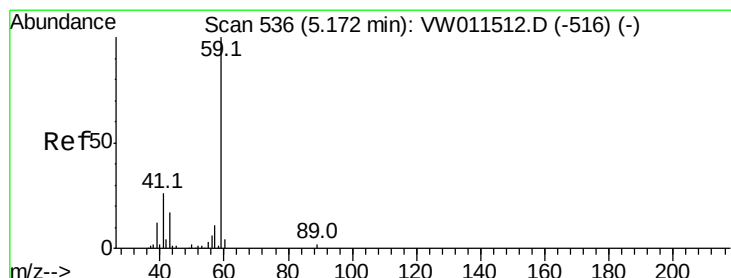
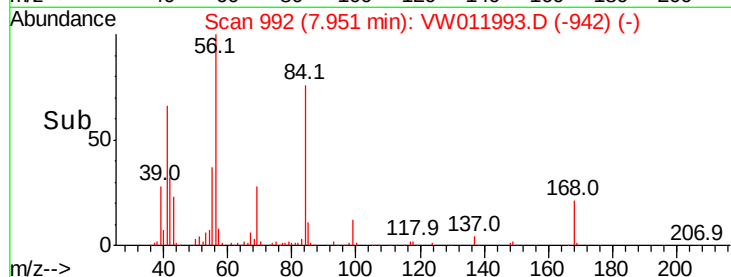
4000

2000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. 0.02 min

Lab File: VW011993.D

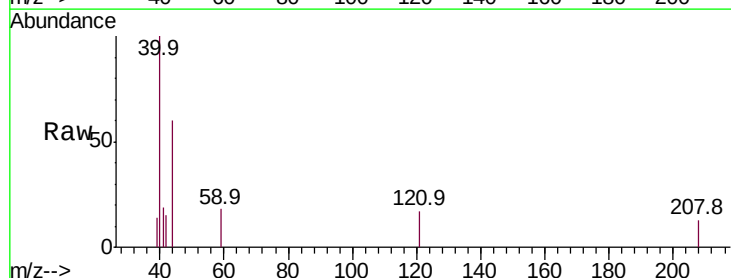
Acq: 19 Aug 2019 15:58

Tgt Ion: 59 Resp: 26

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

5.19

80

60

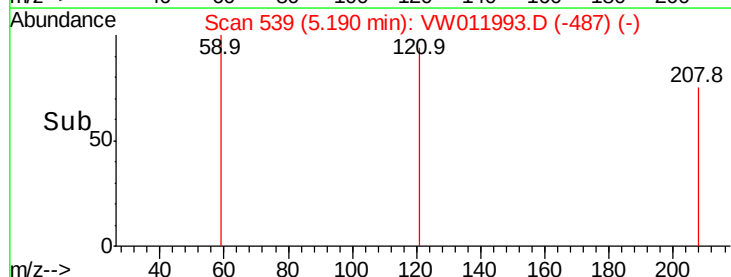
40

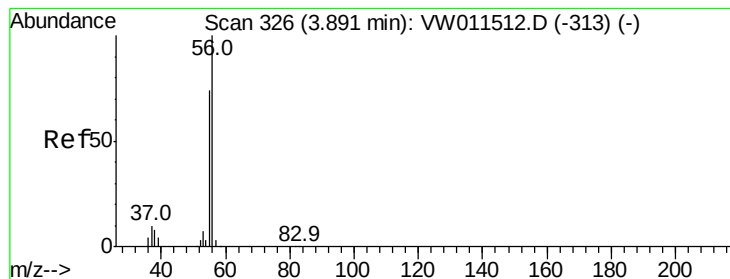
20

0

5.17 5.18 5.19 5.20 5.21

Time-->





#13

Acrolein

Concen: 2.097 ug/l

RT: 3.93 min Scan# 333

Delta R.T. 0.04 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

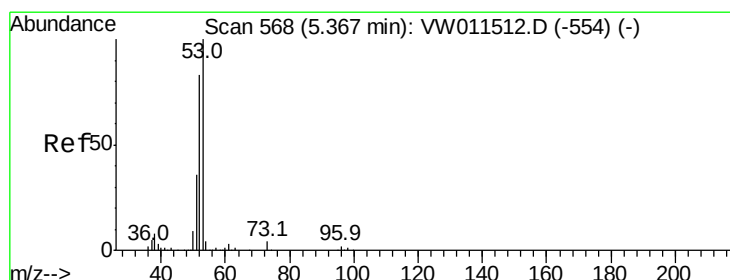
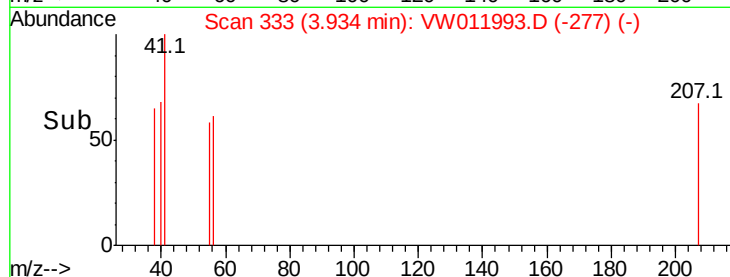
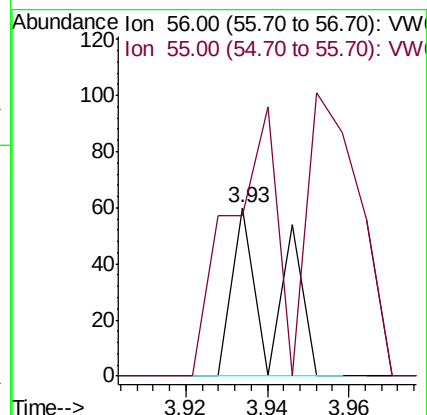
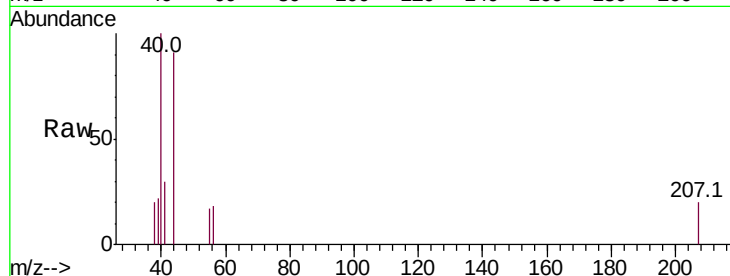
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 42

Ion Ratio Lower Upper

56 100

55 183.3 56.0 84.0#



#15

Acrylonitrile

Concen: 34.058 ug/l

RT: 5.44 min Scan# 580

Delta R.T. 0.07 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

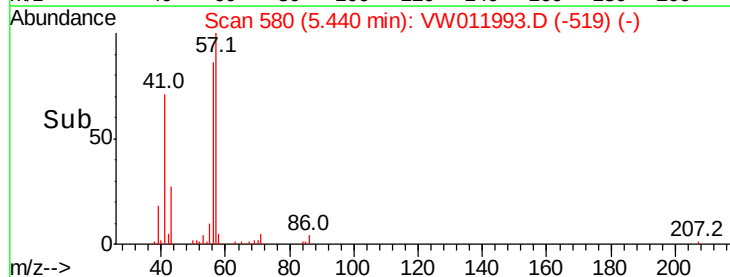
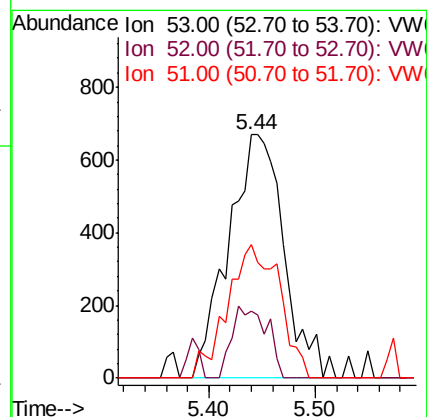
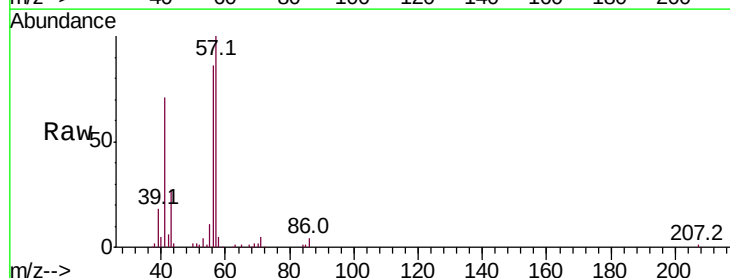
Tgt Ion: 53 Resp: 2436

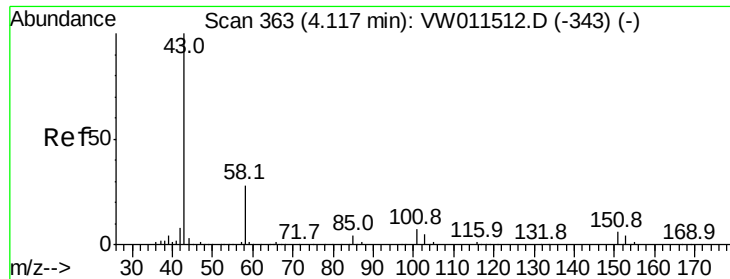
Ion Ratio Lower Upper

53 100

52 18.8 67.2 100.8#

51 51.6 30.0 45.0#





#16

Acetone

Concen: 32.352 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Instrument :

MSVOA_W

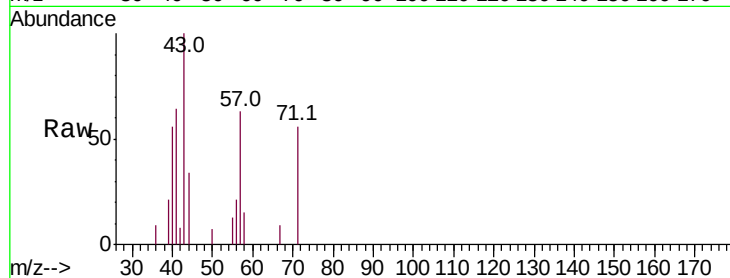
ClientSampleId :

Tot Ion: 43 Resp: 2872

Ion Ratio Lower Upper

43 100

58 14.6 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

800

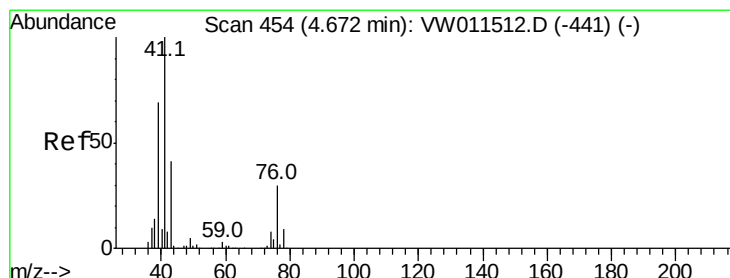
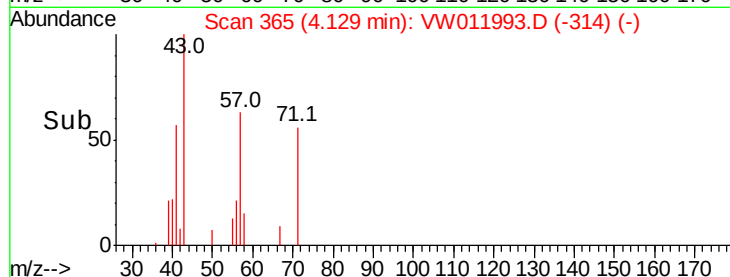
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 66.465 ug/l

RT: 4.90 min Scan# 492

Delta R.T. 0.23 min

Lab File: VW011993.D

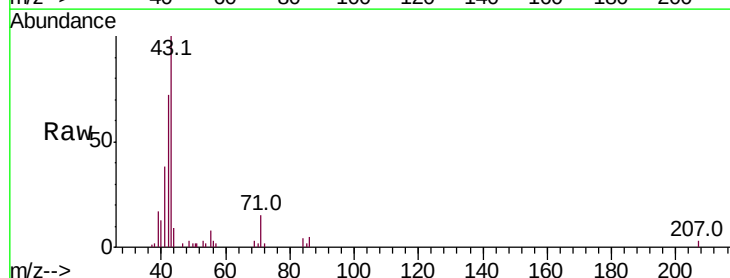
Acq: 19 Aug 2019 15:58

Tgt Ion: 43 Resp: 13255

Ion Ratio Lower Upper

43 100

74 0.0 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

10000

8000

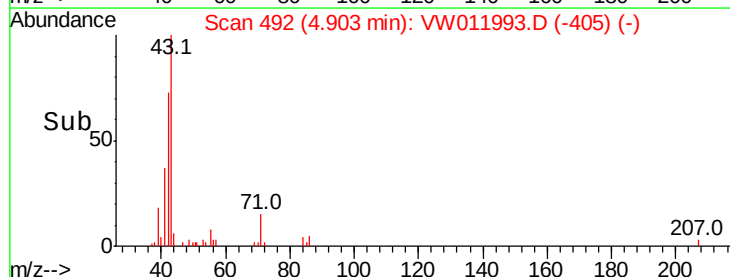
6000

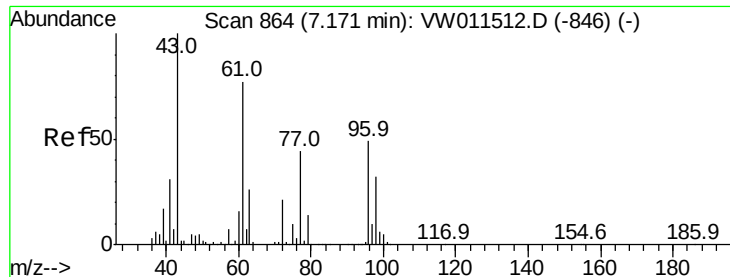
4000

2000

0

Time-->





#25

2-Butanone

Concen: 58.108 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

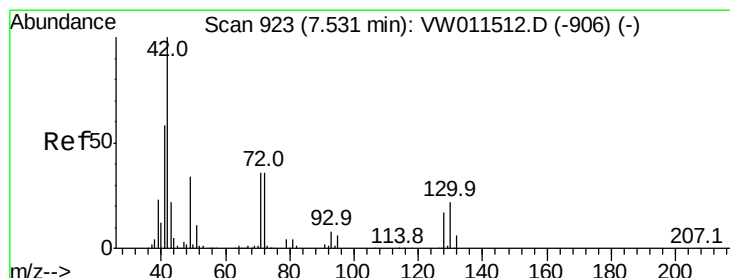
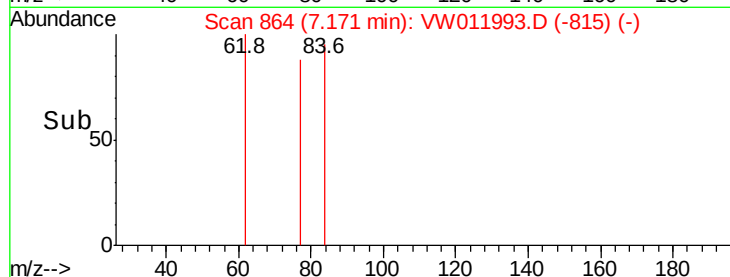
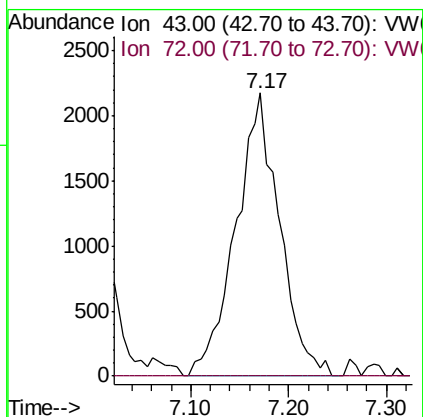
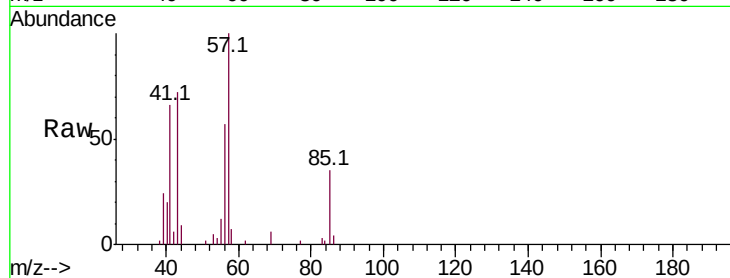
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 6750

Ion Ratio Lower Upper

43 100

72 0.0 16.6 24.8#



#29

Tetrahydrofuran

Concen: 1.521 ug/l

RT: 7.52 min Scan# 921

Delta R.T. -0.01 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

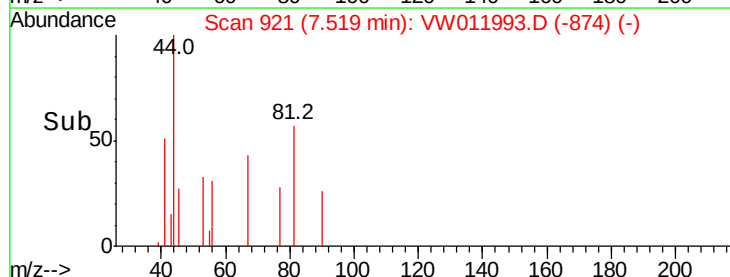
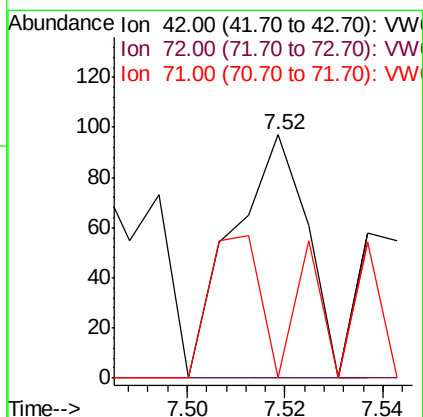
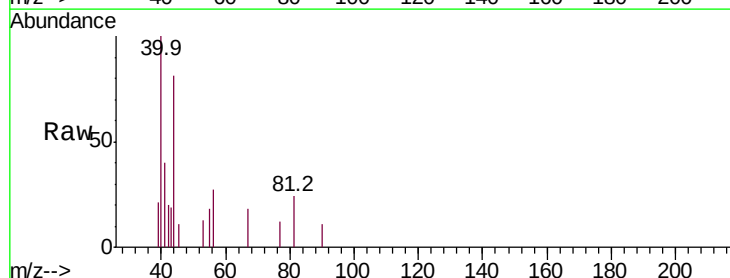
Tgt Ion: 42 Resp: 101

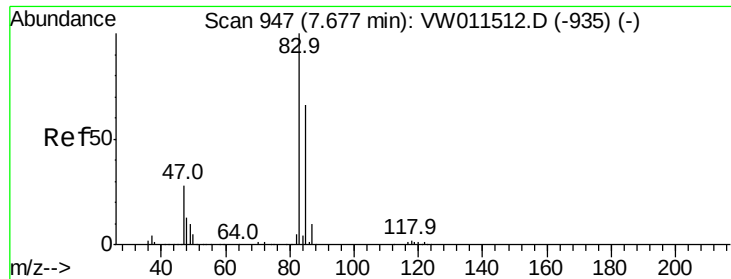
Ion Ratio Lower Upper

42 100

72 0.0 27.1 40.7#

71 0.0 26.2 39.4#

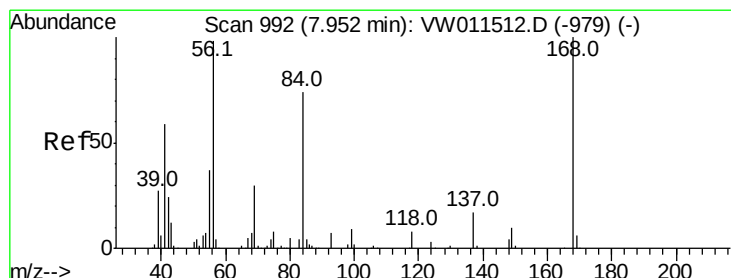
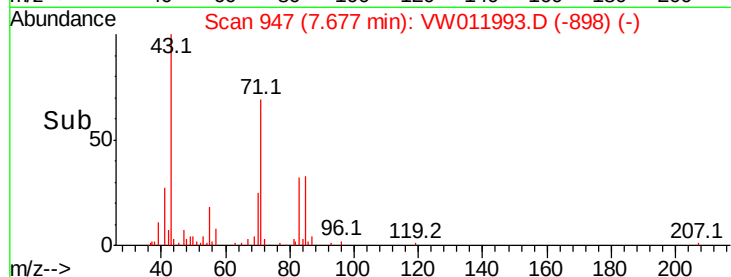
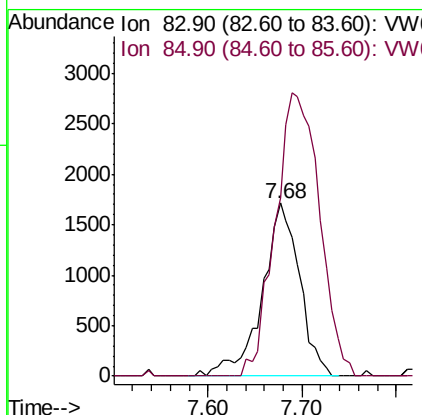
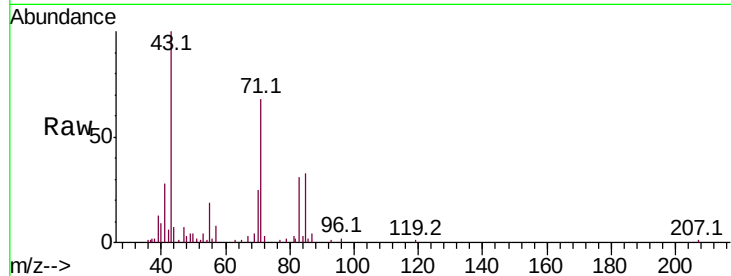




#30
Chloroform
Concen: 9.454 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011993.D
Acq: 19 Aug 2019 15:58

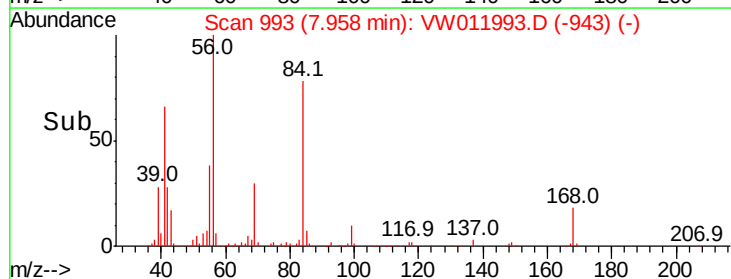
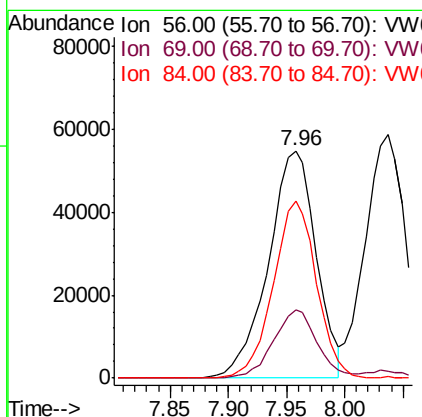
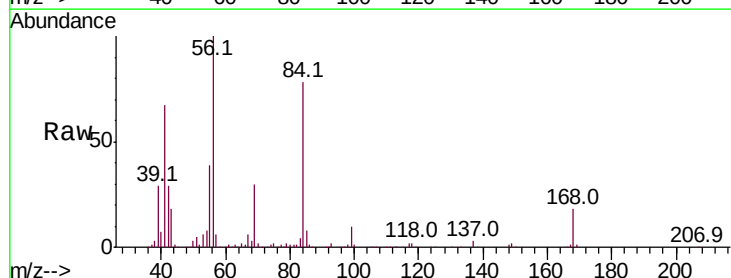
Instrument :
MSVOA_W
ClientSampled :

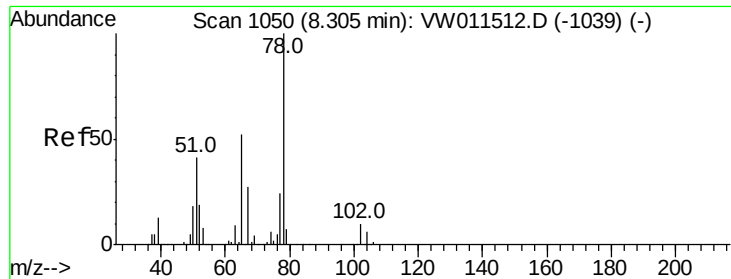
Tot Ion: 83 Resp: 4741
Ion Ratio Lower Upper
83 100
85 103.6 52.5 78.7#



#31
Cyclohexane
Concen: 296.572 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW011993.D
Acq: 19 Aug 2019 15:58

Tgt Ion: 56 Resp: 154753
Ion Ratio Lower Upper
56 100
69 30.0 24.3 36.5
84 77.9 60.4 90.6

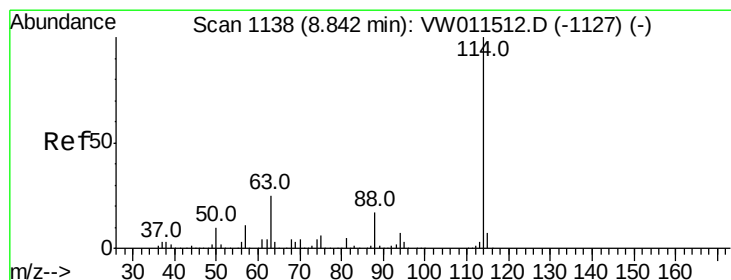
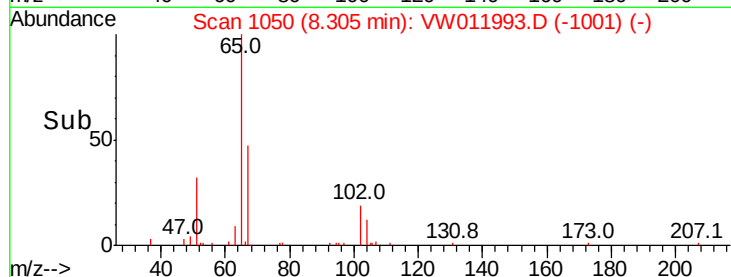
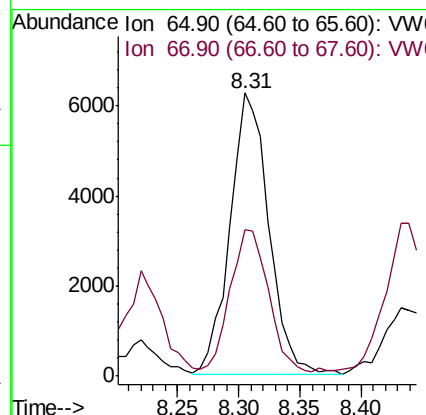
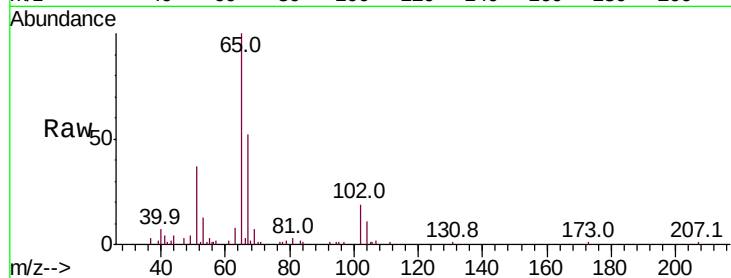




#33
 1,2-Dichloroethane-d4
 Concen: 48.757 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011993.D
 Acq: 19 Aug 2019 15:58

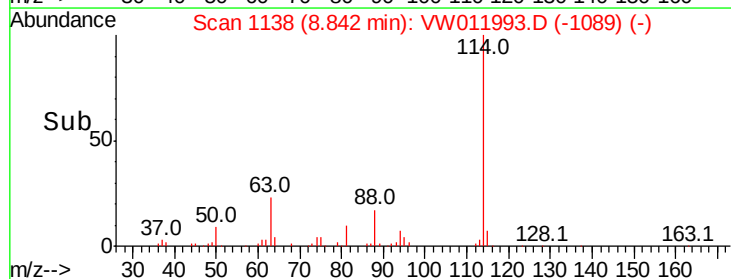
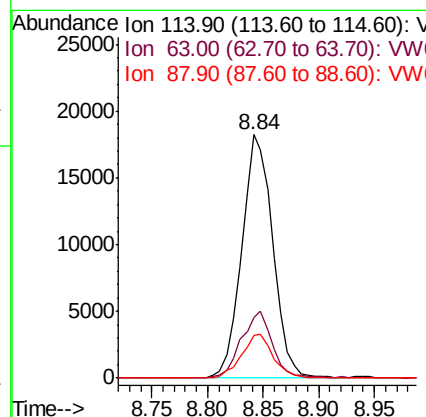
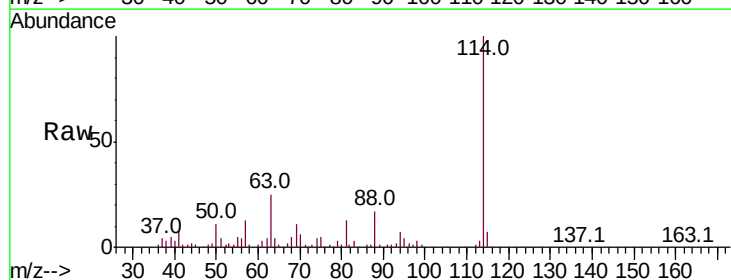
Instrument :
 MSVOA_W
 ClientSampleId :

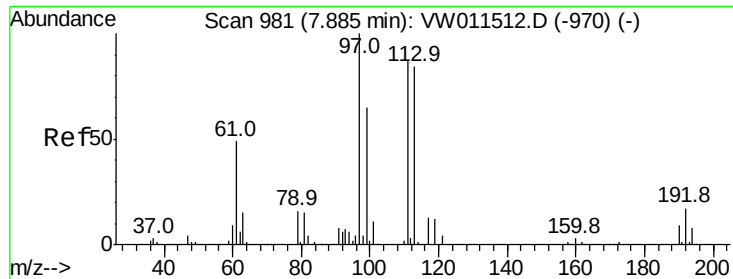
Tot Ion: 65 Resp: 13607
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011993.D
 Acq: 19 Aug 2019 15:58

Tgt Ion: 114 Resp: 35169
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.2
 88 17.4 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.591 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Instrument :
MSVOA_W
ClientSampleId :

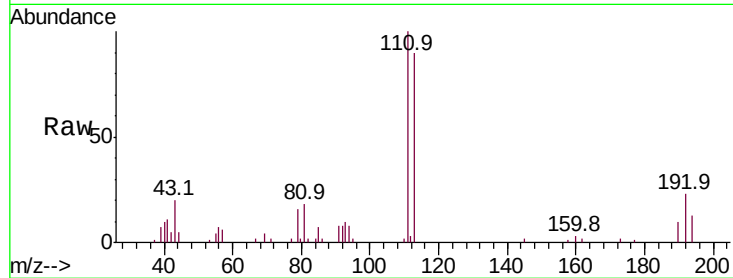
Tot Ion:113 Resp: 10771

Ion Ratio Lower Upper

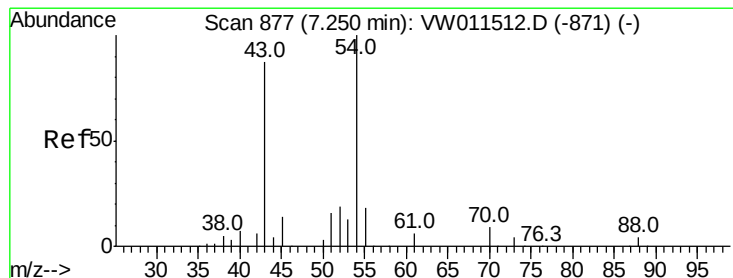
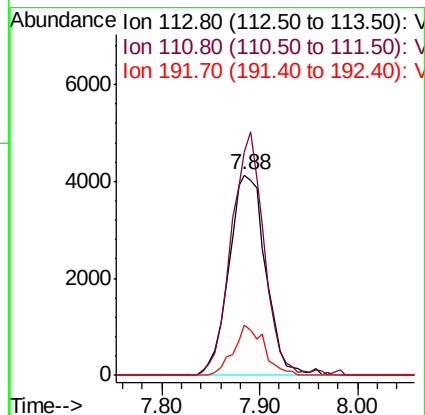
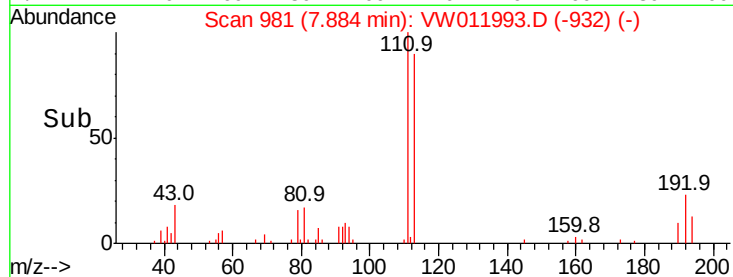
113 100

111 107.5 82.7 124.1

192 21.0 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#37

Ethyl Acetate

Concen: 32.083 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.08 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

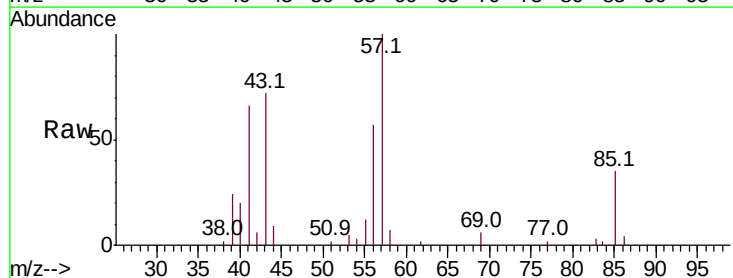
Tgt Ion: 43 Resp: 6750

Ion Ratio Lower Upper

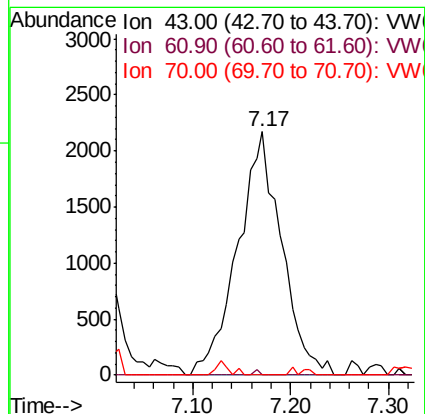
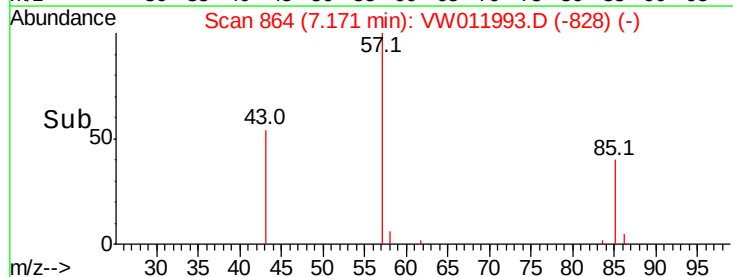
43 100

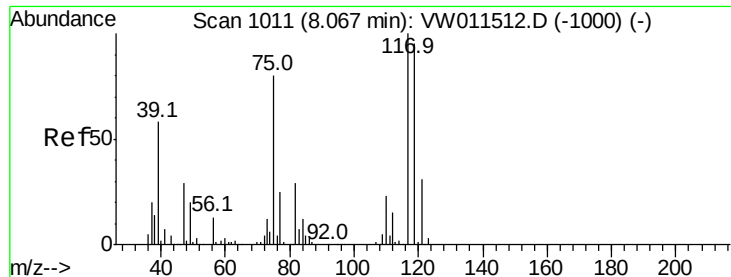
61 0.3 8.8 13.2#

70 0.0 7.1 10.7#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 8.126 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Instrument :

MSVOA_W

ClientSampled :

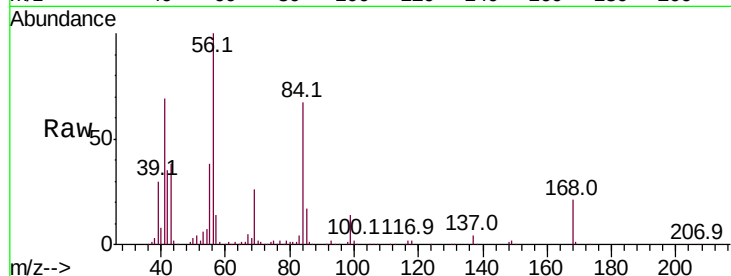
Tot Ion:117 Resp: 2544

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

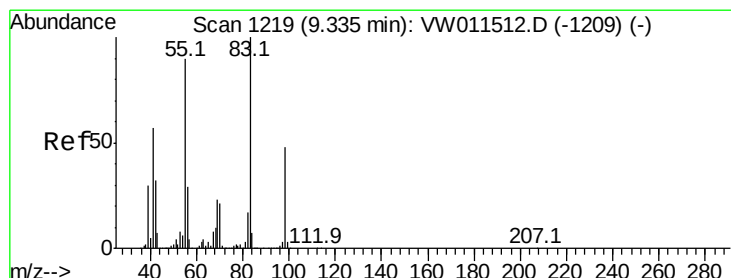
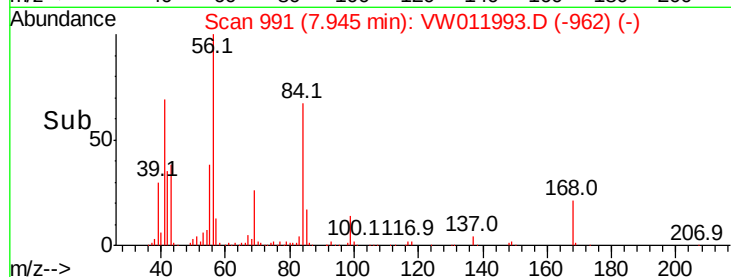
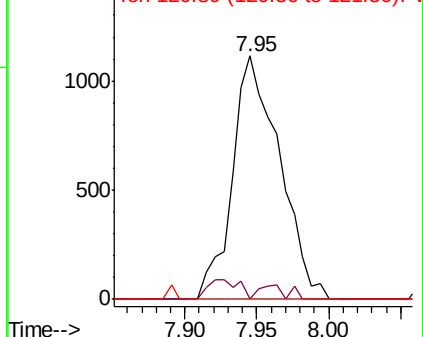
121 0.0 24.7 37.1#



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: 5162.321 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

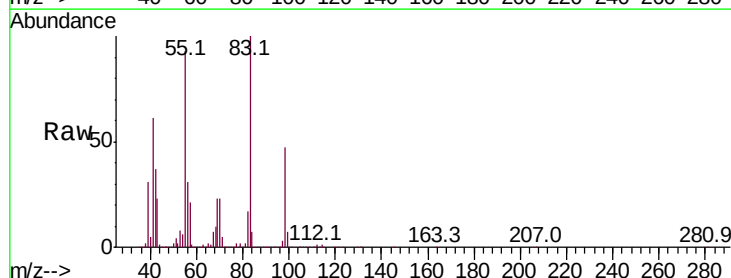
Tgt Ion: 83 Resp: 2078722

Ion Ratio Lower Upper

83 100

55 92.5 72.1 108.1

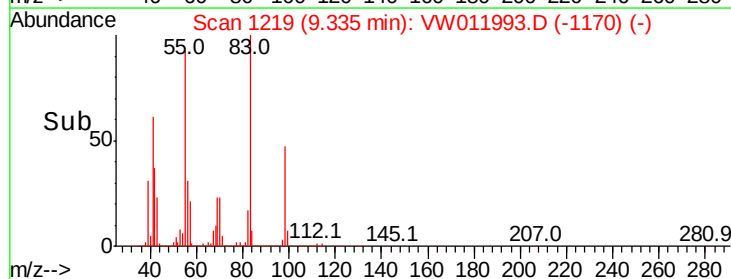
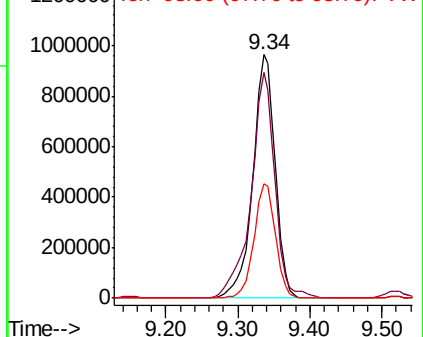
98 47.1 38.6 57.8

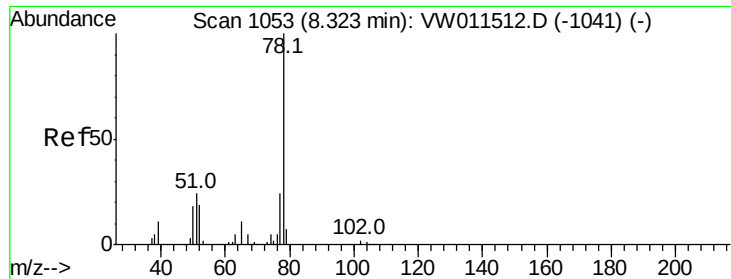


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 1.964 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.10 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Instrument :

MSVOA_W

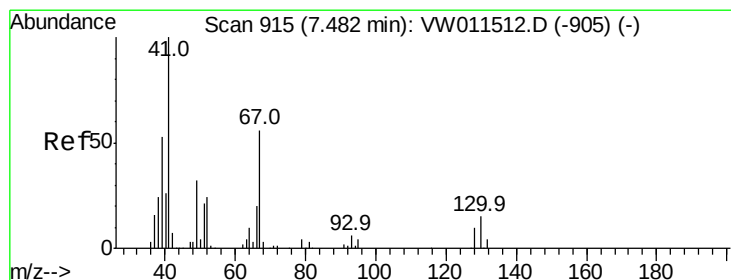
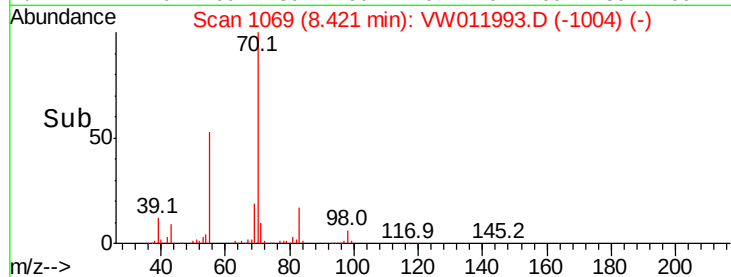
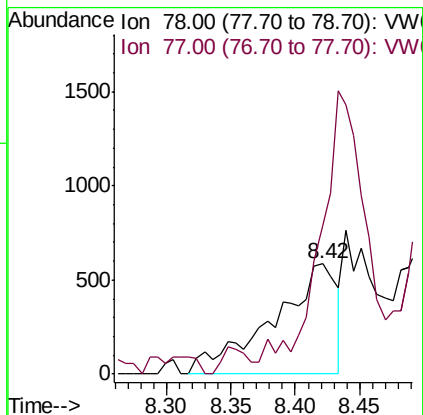
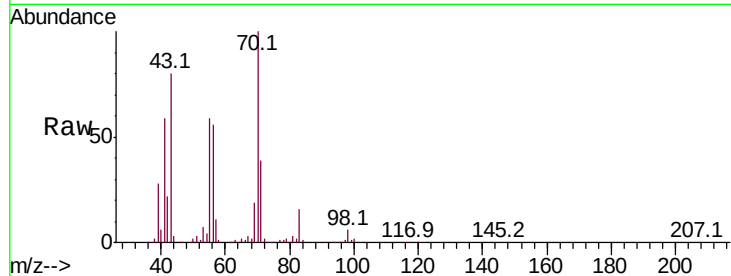
ClientSampled :

Tot Ion: 78 Resp: 2012

Ion Ratio Lower Upper

78 100

77 119.9 19.4 29.0#



#41

Methacrylonitrile

Concen: 3.149 ug/l

RT: 7.43 min Scan# 906

Delta R.T. -0.05 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Tgt Ion: 41 Resp: 396

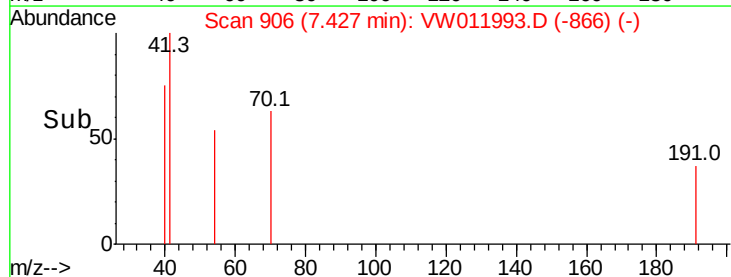
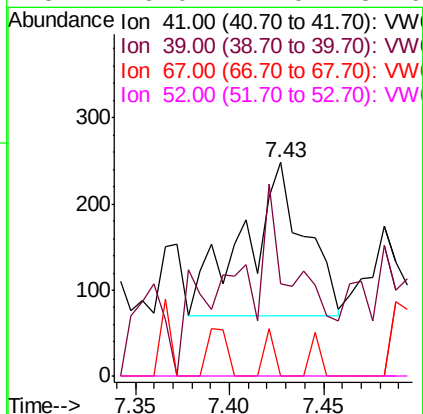
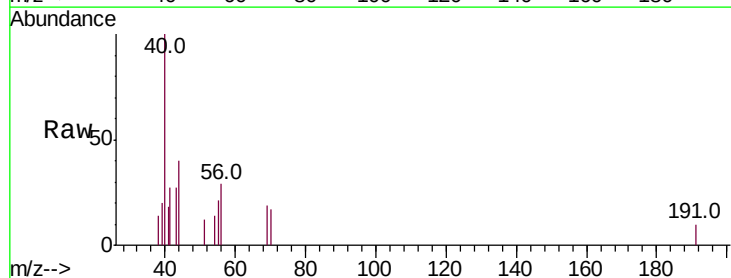
Ion Ratio Lower Upper

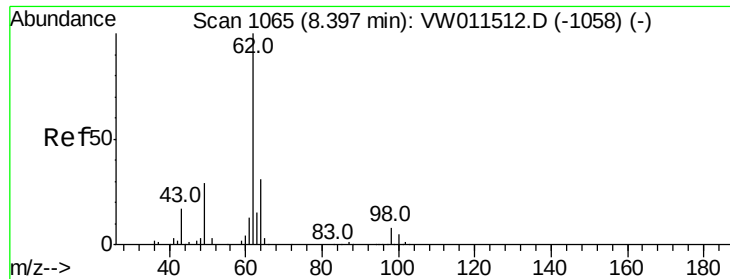
41 100

39 72.7 43.0 64.4#

67 0.0 47.5 71.3#

52 0.0 21.0 31.6#





#42

1,2-Dichloroethane

Concen: 2.785 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.04 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Instrument :

MSVOA_W

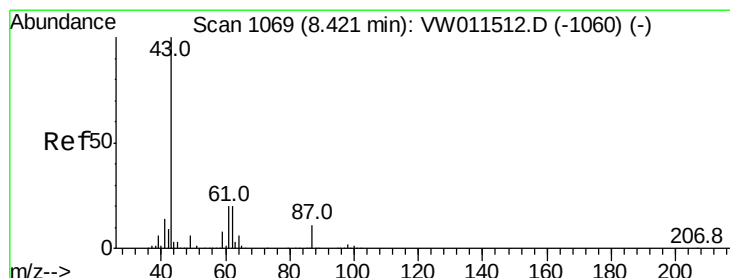
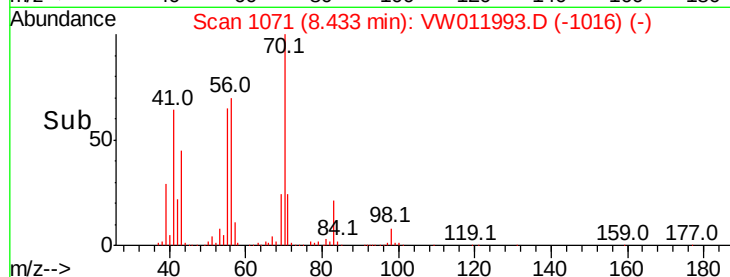
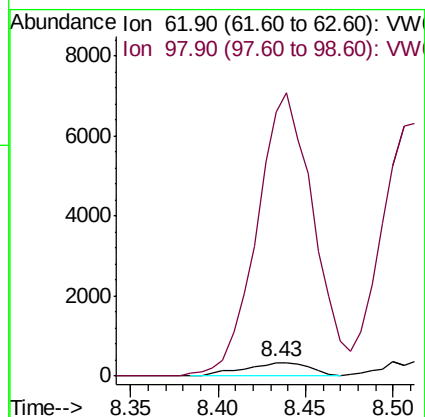
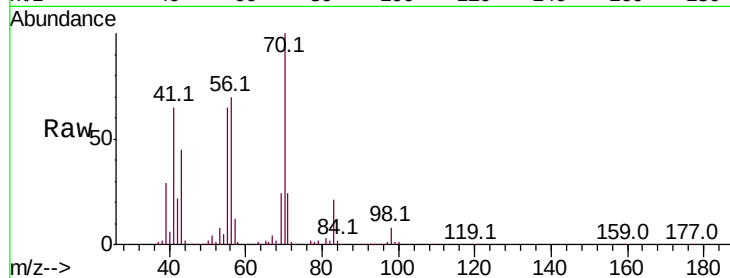
ClientSampleId :

Tot Ion: 62 Resp: 893

Ion Ratio Lower Upper

62 100

98 1793.8 0.0 16.8#



#43

Isopropyl Acetate

Concen: 282.426 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

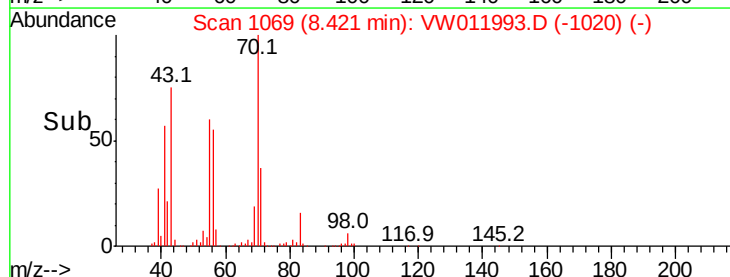
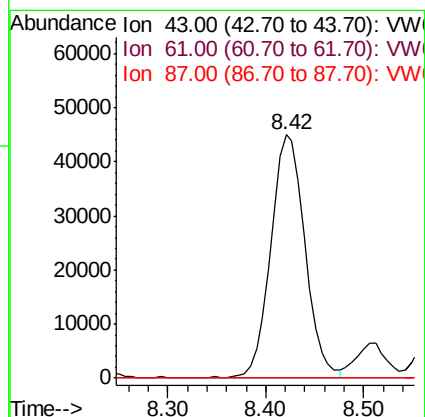
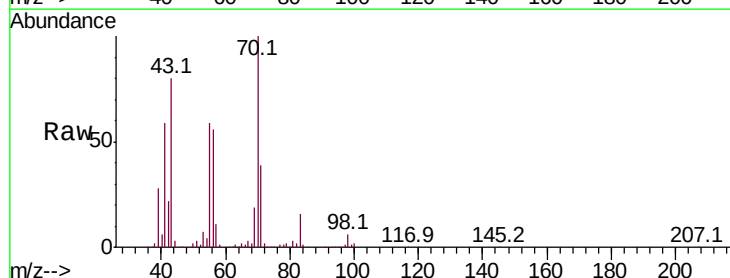
Tgt Ion: 43 Resp: 109279

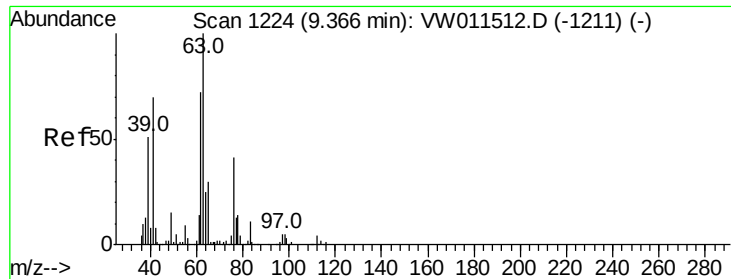
Ion Ratio Lower Upper

43 100

61 0.2 21.5 32.3#

87 0.0 8.4 12.6#





#45

1,2-Dichloropropane

Concen: 74.574 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.03 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Instrument :

MSVOA_W

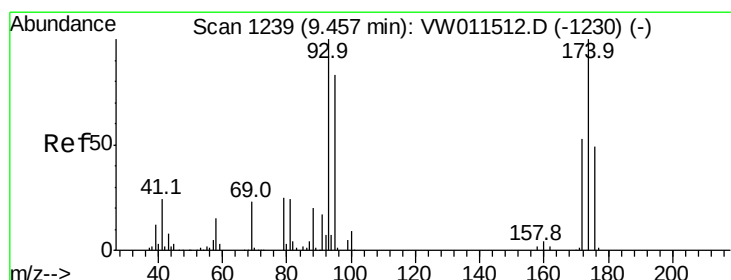
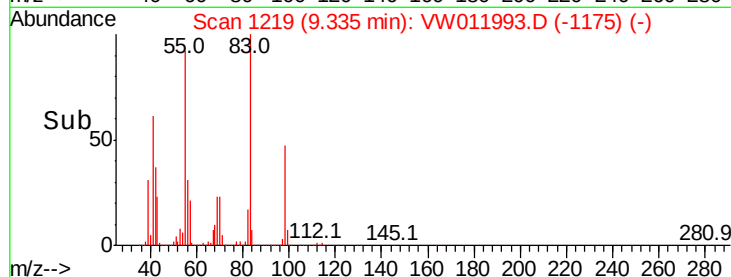
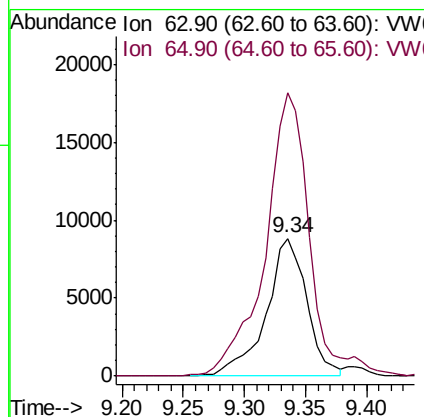
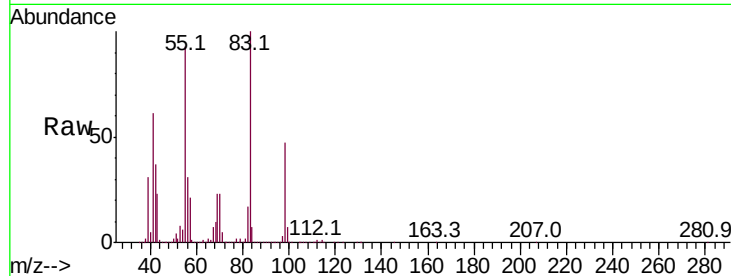
ClientSampleId :

Tot Ion: 63 Resp: 20439

Ion Ratio Lower Upper

63 100

65 204.5 24.2 36.4#



#46

Dibromomethane

Concen: 2.622 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

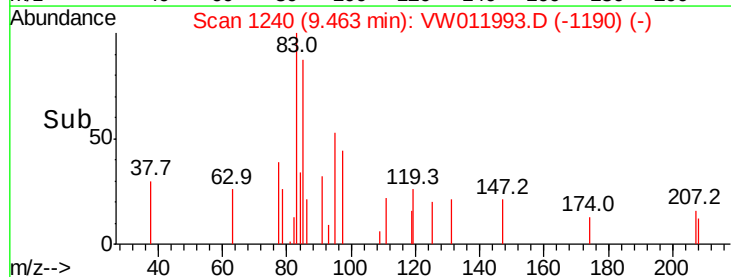
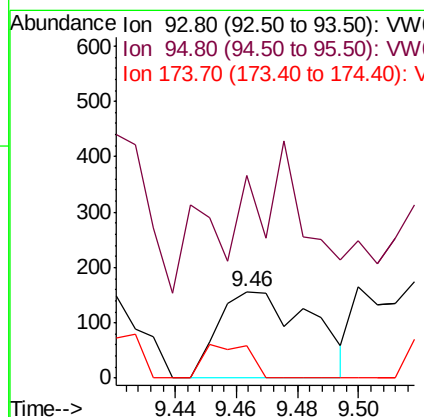
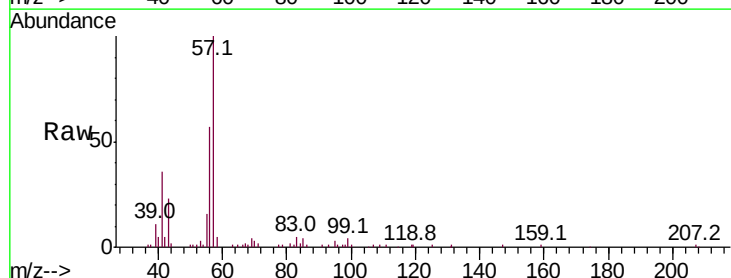
Tgt Ion: 93 Resp: 328

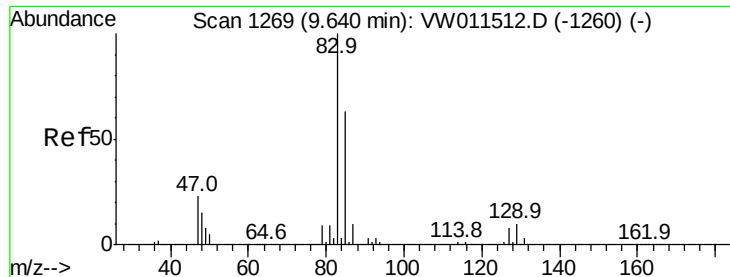
Ion Ratio Lower Upper

93 100

95 0.0 66.2 99.2#

174 19.2 78.2 117.4#





#47

Bromodichloromethane

Concen: 118.393 ug/l

RT: 9.75 min Scan# 1287

Delta R.T. 0.11 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Instrument :

MSVOA_W

ClientSampled :

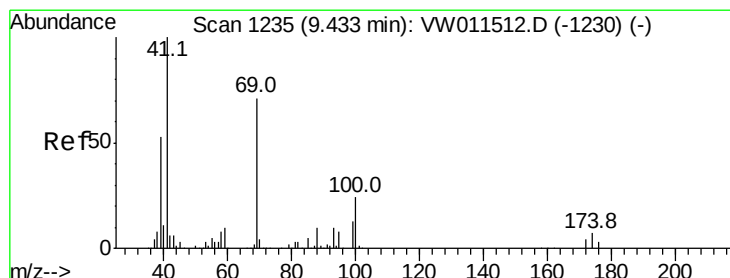
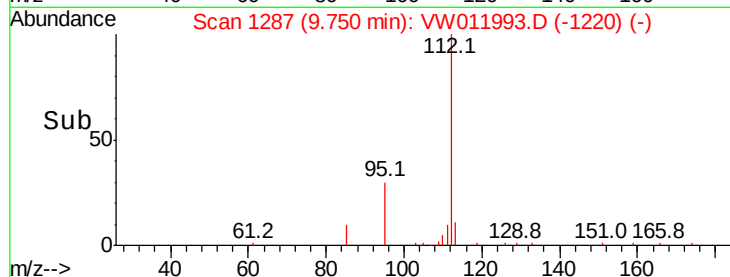
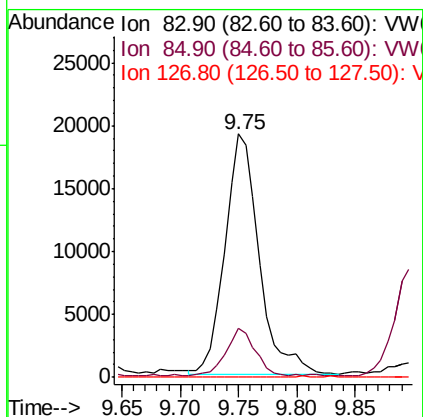
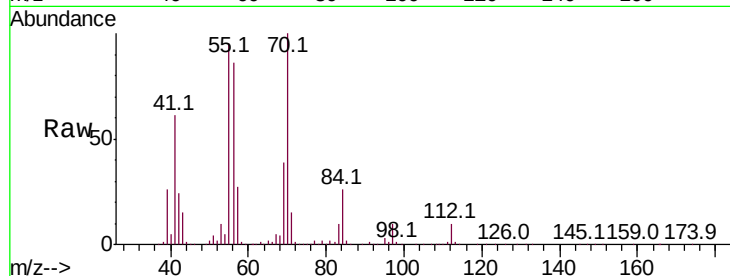
Tot Ion: 83 Resp: 38849

Ion Ratio Lower Upper

83 100

85 19.6 50.5 75.7#

127 0.0 6.4 9.6#



#48

Methyl methacrylate

Concen: 855.551 ug/l

RT: 9.38 min Scan# 1227

Delta R.T. -0.05 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

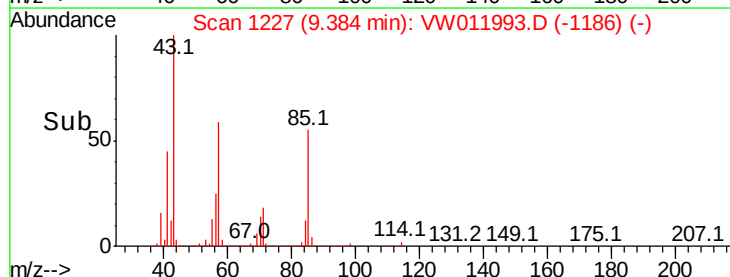
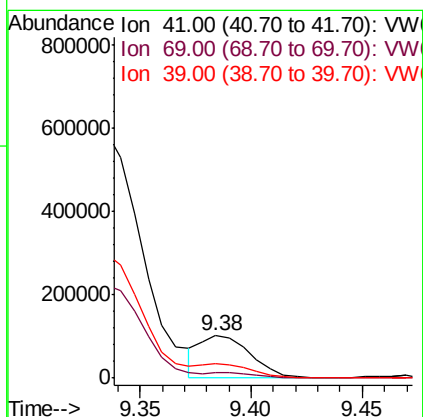
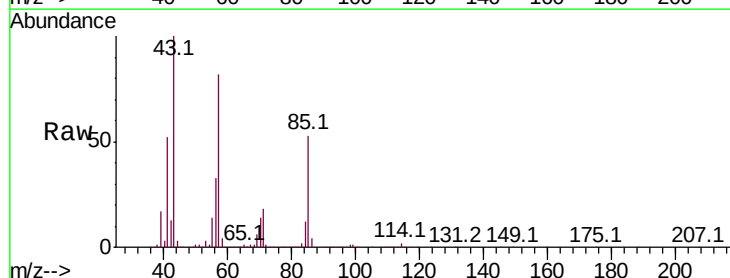
Tgt Ion: 41 Resp: 159018

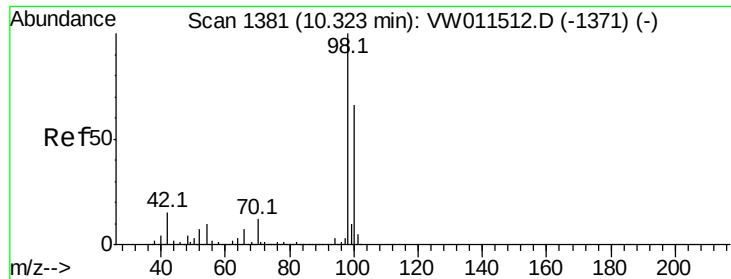
Ion Ratio Lower Upper

41 100

69 0.0 57.1 85.7#

39 0.0 45.4 68.2#





#50

Toluene-d8

Concen: 359.741 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Instrument :

MSVOA_W

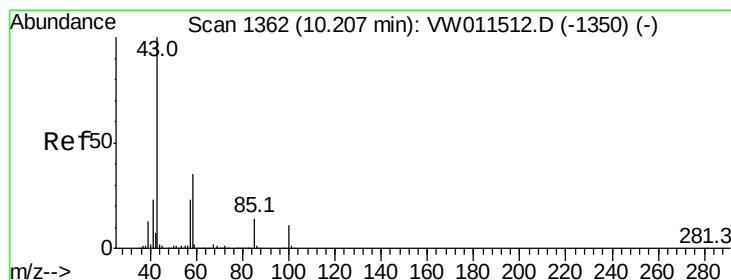
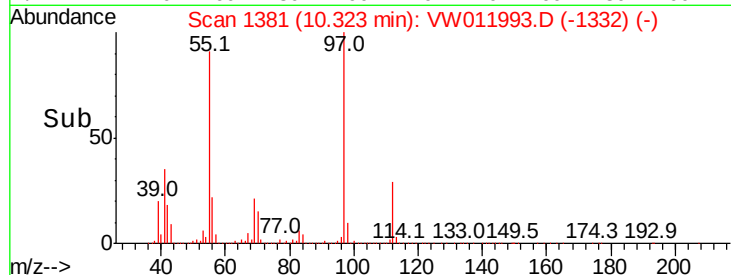
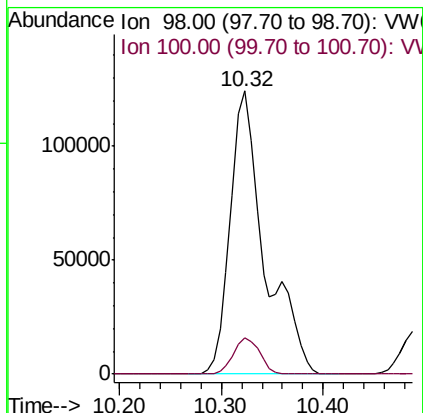
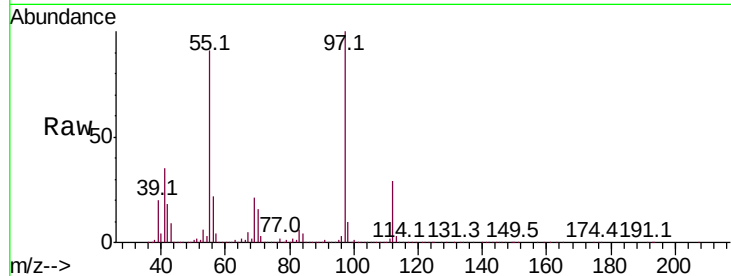
ClientSampled :

Tot Ion: 98 Resp: 290607

Ion Ratio Lower Upper

98 100

100 9.9 52.7 79.1#



#51

4-Methyl-2-Pentanone

Concen: 153.636 ug/l

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW011993.D

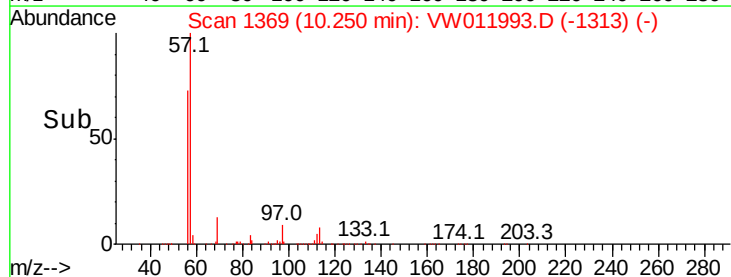
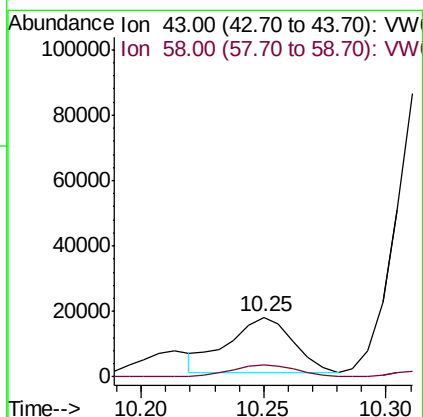
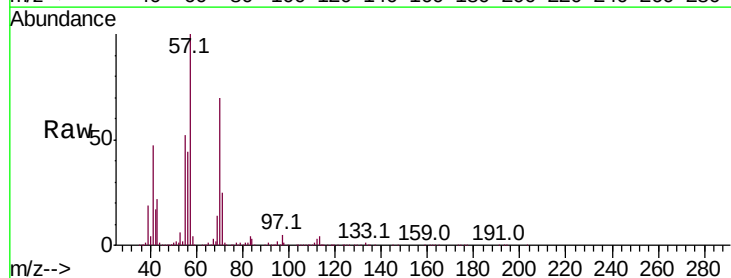
Acq: 19 Aug 2019 15:58

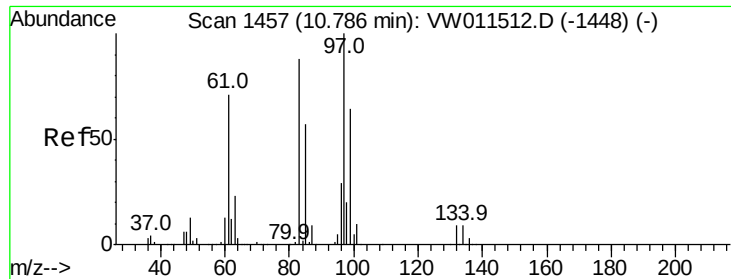
Tgt Ion: 43 Resp: 30921

Ion Ratio Lower Upper

43 100

58 21.8 28.2 42.2#

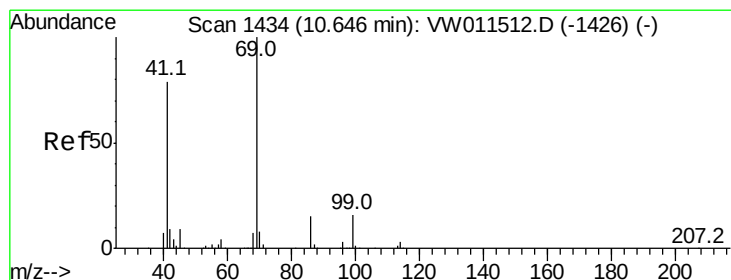
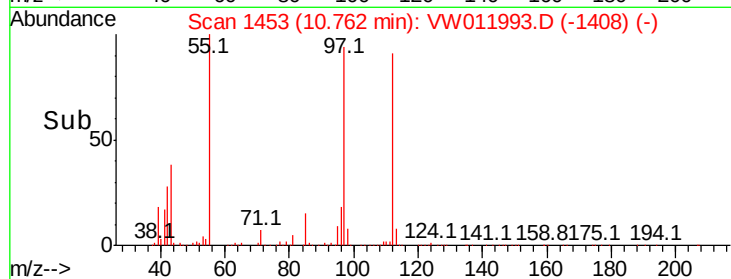
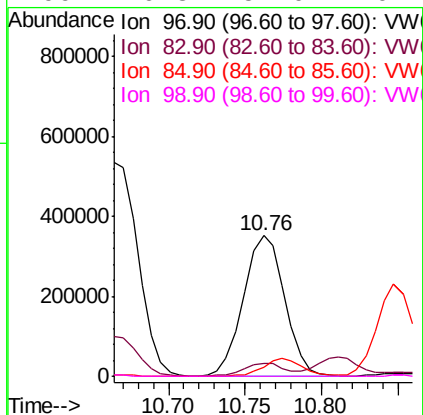
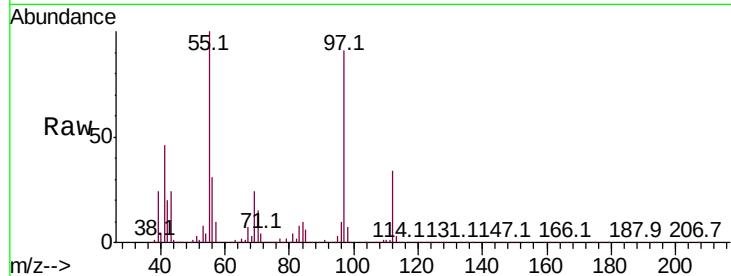




#55
1,1,2-Trichloroethane
Concen: 3690.058 ug/l
RT: 10.76 min Scan# 1453
Delta R.T. -0.02 min
Lab File: VW011993.D
Acq: 19 Aug 2019 15:58

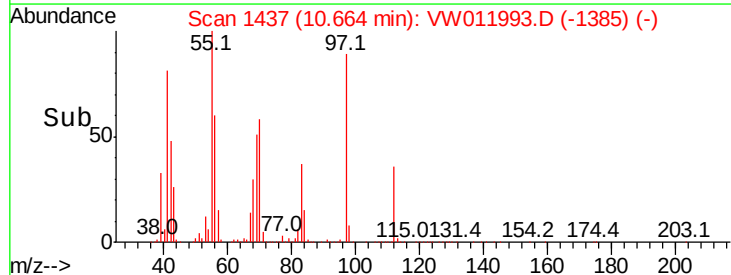
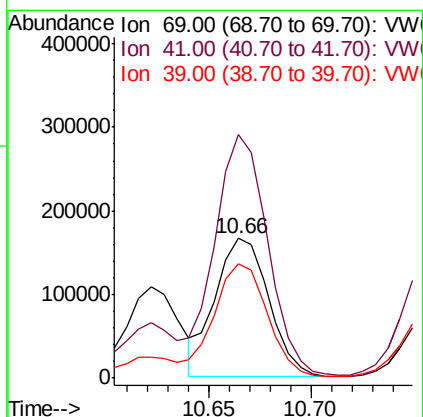
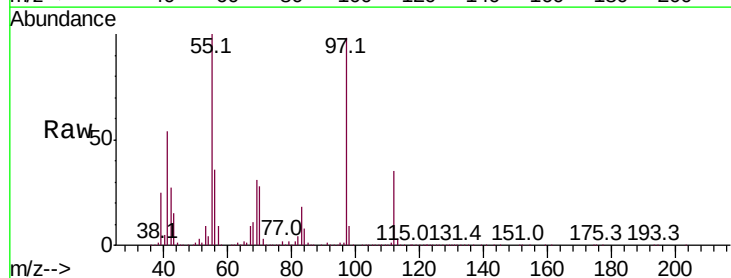
Instrument :
MSVOA_W
ClientSampleId :

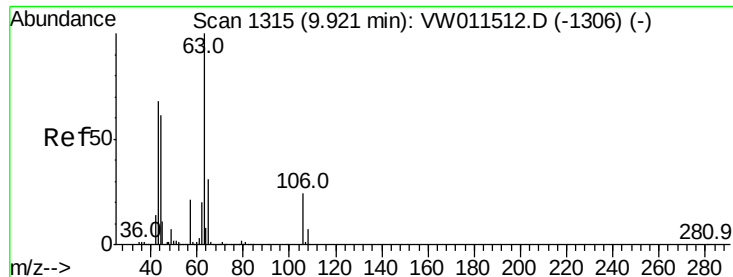
Tot Ion	Ratio	Lower	Upper
97	100		
83	8.9	70.5	105.7#
85	6.8	45.8	68.6#
99	0.3	51.0	76.4#



#56
Ethyl methacrylate
Concen: 1162.351 ug/l
RT: 10.66 min Scan# 1437
Delta R.T. 0.02 min
Lab File: VW011993.D
Acq: 19 Aug 2019 15:58

Tgt Ion	Ratio	Lower	Upper
69	100		
41	173.6	66.6	99.8#
39	81.9	30.3	45.5#

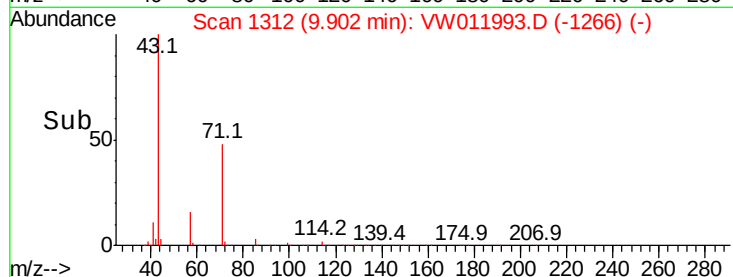
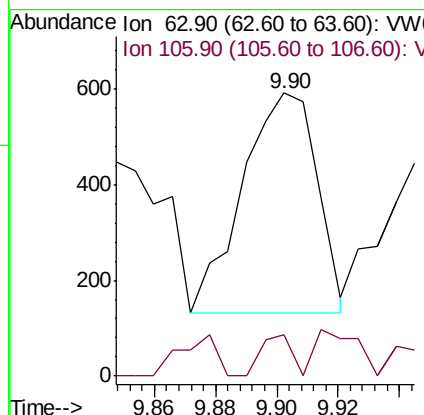
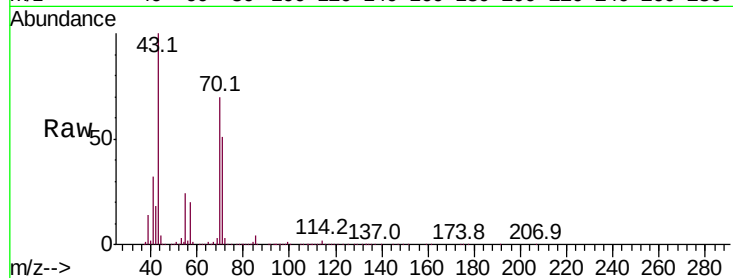




#58
2-Chloroethyl Vinyl ether
Concen: 6.597 ug/l
RT: 9.90 min Scan# 1312
Delta R.T. -0.02 min
Lab File: VW011993.D
Acq: 19 Aug 2019 15:58

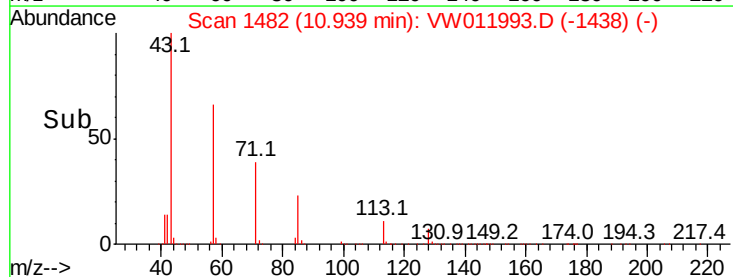
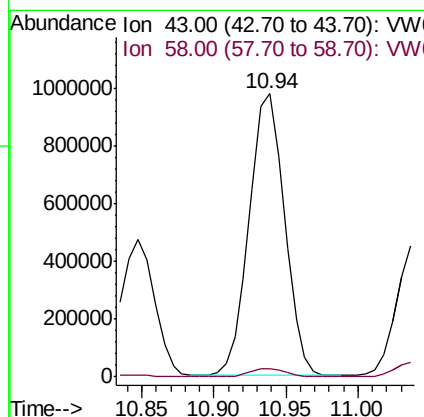
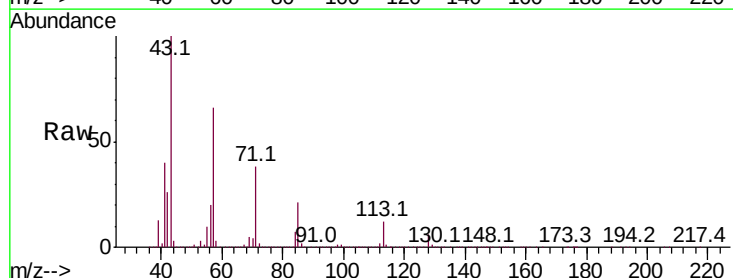
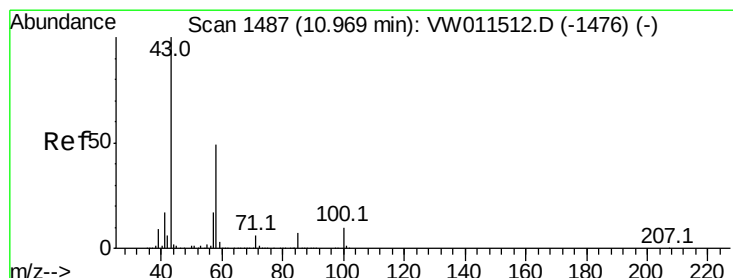
Instrument :
MSVOA_W
ClientSampleId :

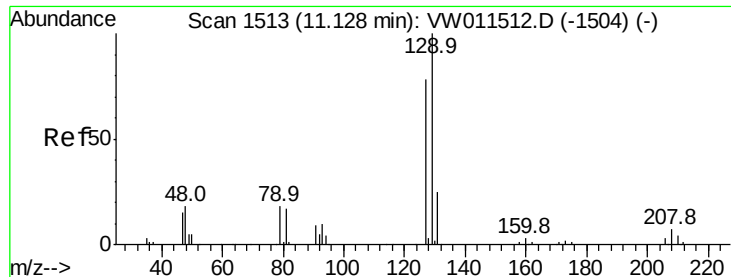
Tot Ion: 63 Resp: 778
Ion Ratio Lower Upper
63 100
106 7.6 19.7 29.5#



#59
2-Hexanone
Concen: 11731.219 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW011993.D
Acq: 19 Aug 2019 15:58

Tgt Ion: 43 Resp: 1667044
Ion Ratio Lower Upper
43 100
58 3.1 24.3 72.9#





#60

Dibromochloromethane

Concen: 28.698 ug/l

RT: 11.04 min Scan# 1499

Delta R.T. -0.09 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Instrument :

MSVOA_W

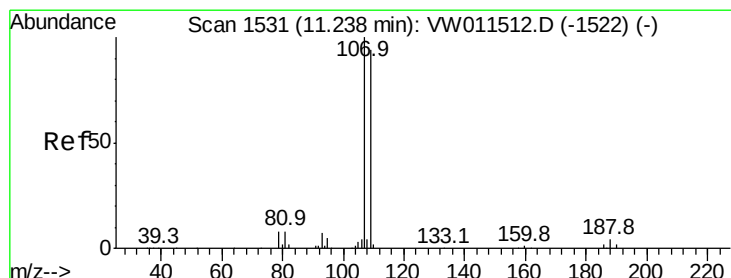
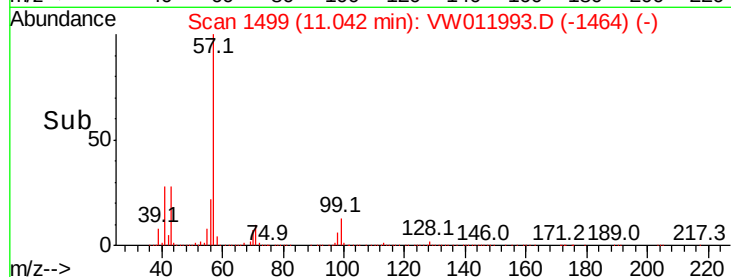
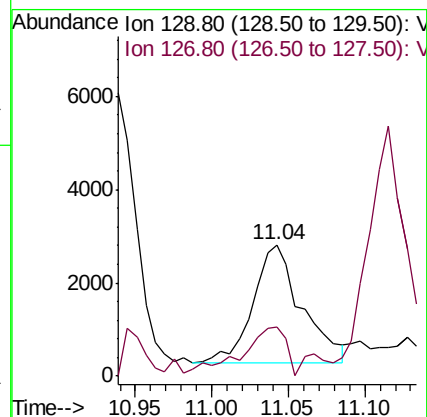
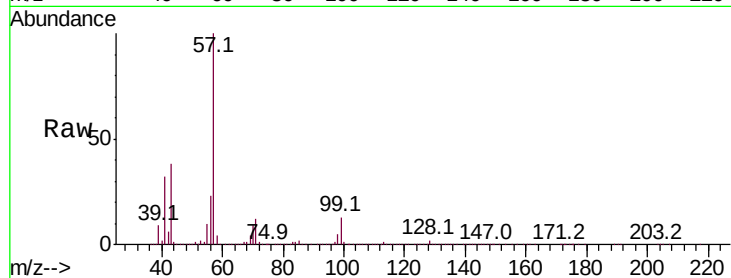
ClientSampleId :

Tot Ion:129 Resp: 5654

Ion Ratio Lower Upper

129 100

127 38.9 38.9 116.7#



#61

1,2-Dibromoethane

Concen: 2.245 ug/l

RT: 11.19 min Scan# 1524

Delta R.T. -0.04 min

Lab File: VW011993.D

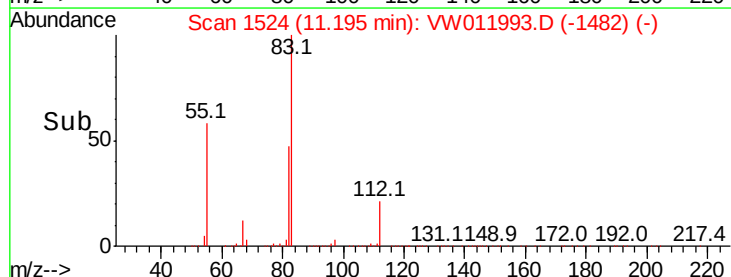
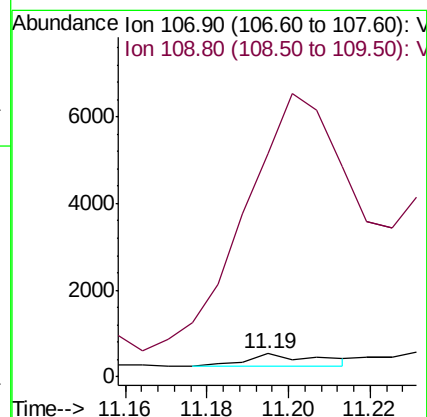
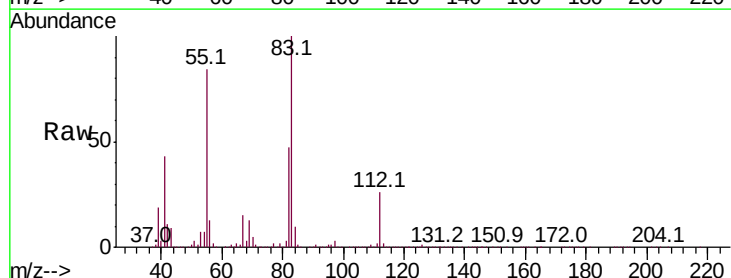
Acq: 19 Aug 2019 15:58

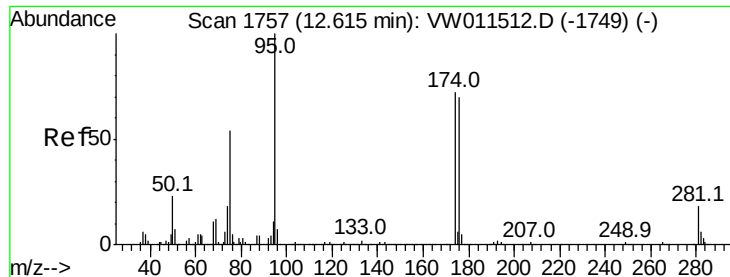
Tgt Ion:107 Resp: 377

Ion Ratio Lower Upper

107 100

109 3077.5 75.0 112.6#





#62

4-Bromofluorobenzene

Concen: 242.663 ug/l

RT: 12.61 min Scan# 1756

Delta R.T. -0.01 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Instrument :

MSVOA_W

ClientSampled :

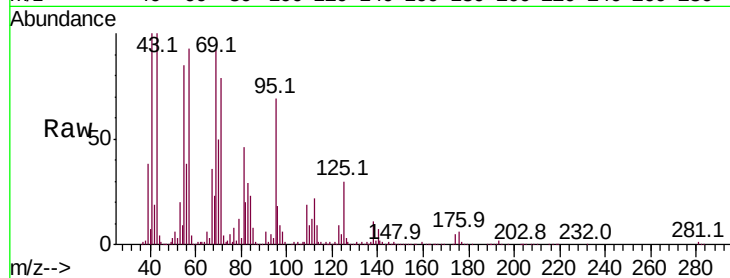
Tot Ion: 95 Resp: 69888

Ion Ratio Lower Upper

95 100

174 15.0 0.0 150.2

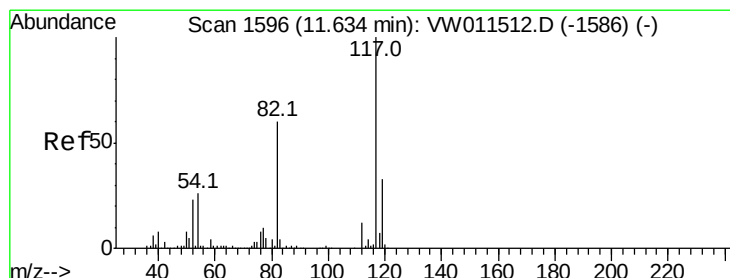
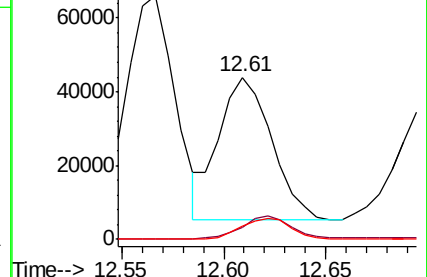
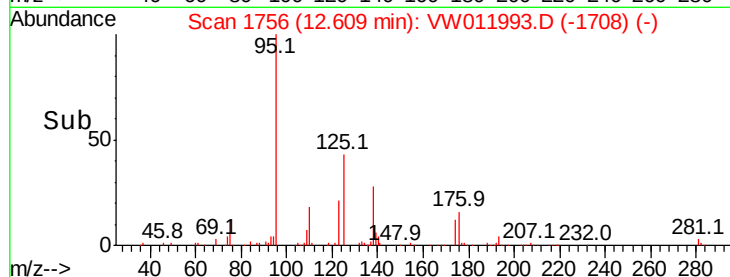
176 14.3 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

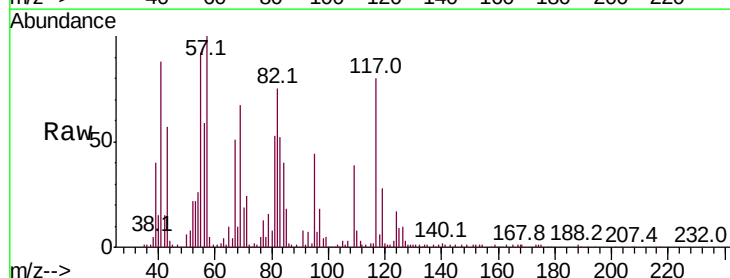
Tgt Ion: 117 Resp: 29207

Ion Ratio Lower Upper

117 100

82 0.0 47.9 71.9#

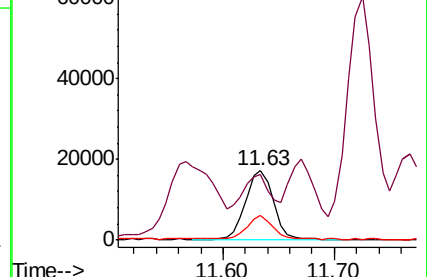
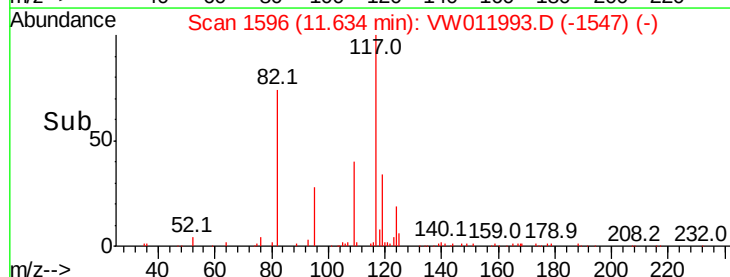
119 33.8 26.2 39.2

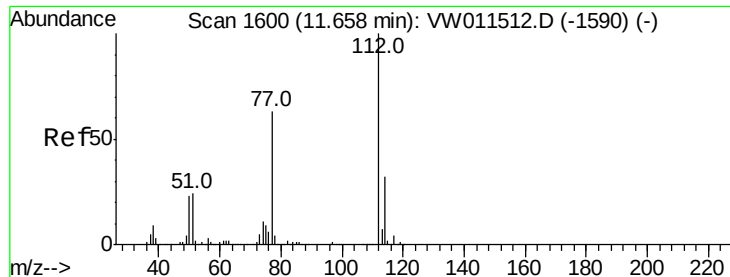


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#65

Chlorobenzene

Concen: 10.947 ug/l

RT: 11.55 min Scan# 1583

Delta R.T. -0.10 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Instrument :

MSVOA_W

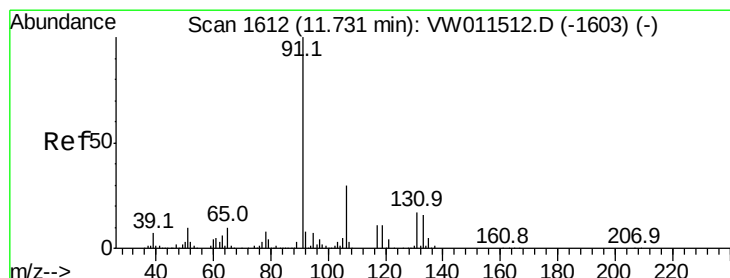
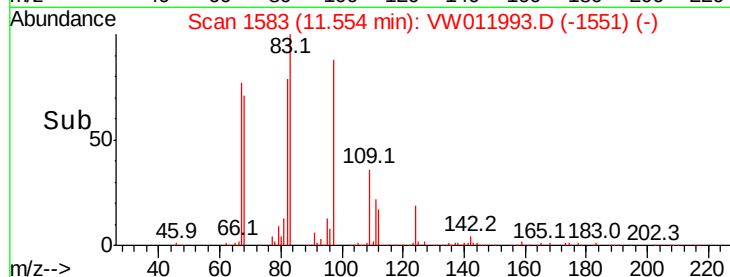
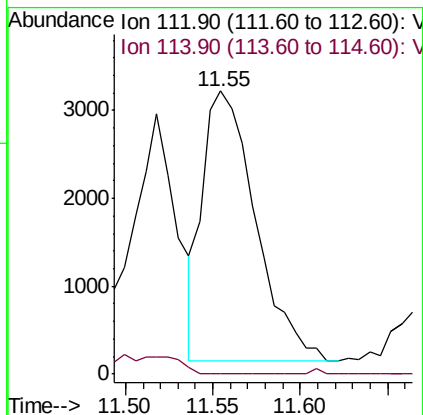
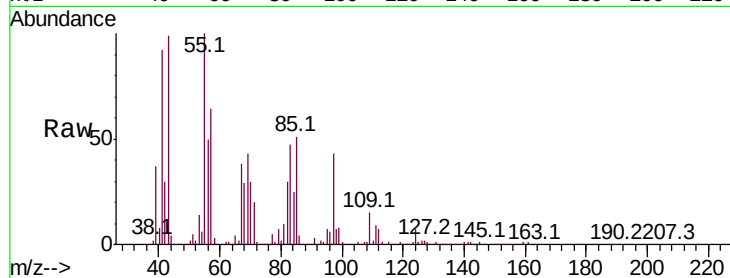
ClientSampleId :

Tot Ion:112 Resp: 6428

Ion Ratio Lower Upper

112 100

114 0.0 25.6 38.4#



#67

Ethyl Benzene

Concen: 1.469 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW011993.D

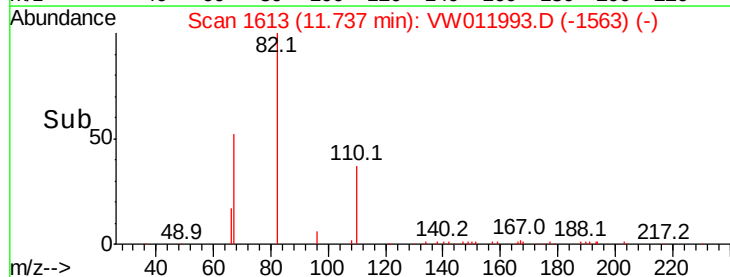
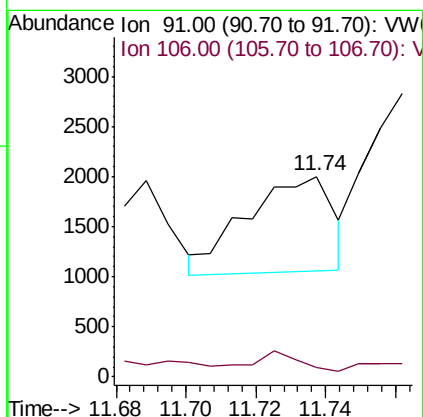
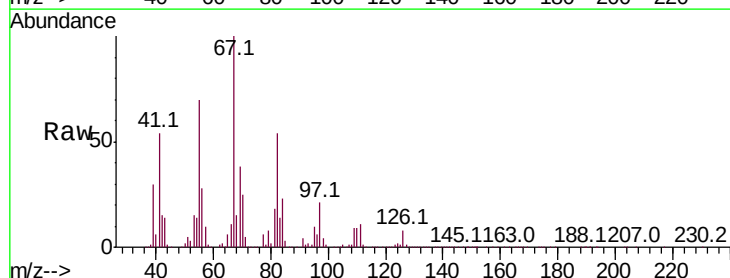
Acq: 19 Aug 2019 15:58

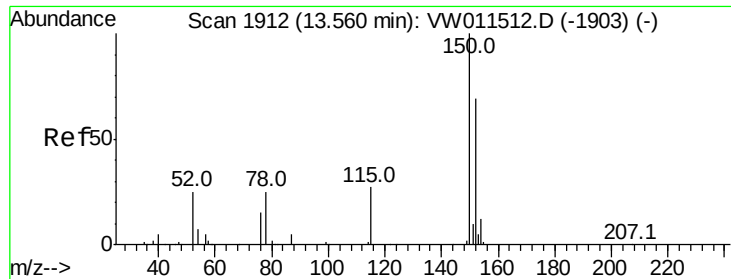
Tgt Ion: 91 Resp: 1643

Ion Ratio Lower Upper

91 100

106 6.0 23.8 35.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

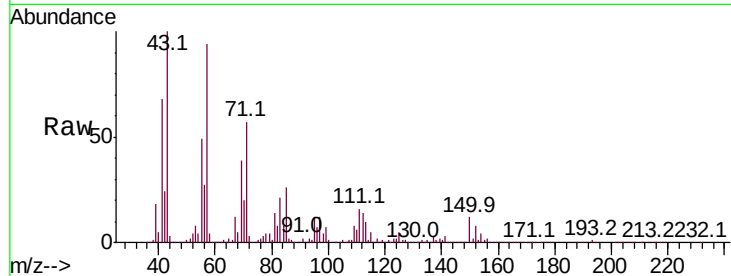
Tot Ion:152 Resp: 18856

Ion Ratio Lower Upper

152 100

115 32.9 30.5 91.5

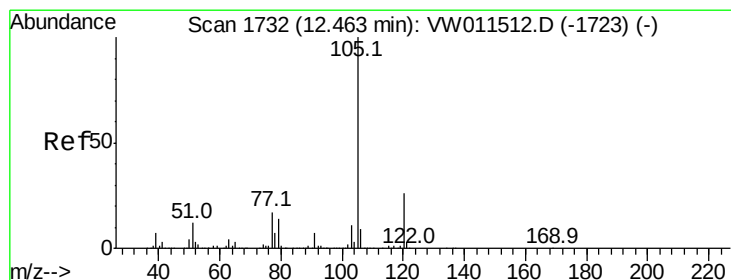
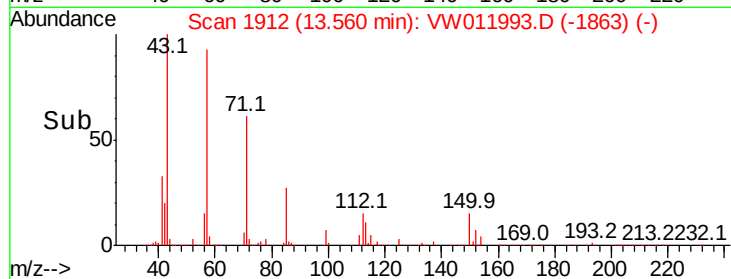
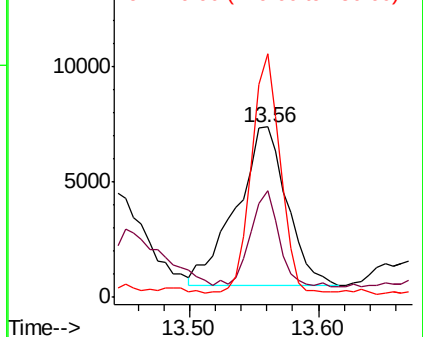
150 83.0 0.0 352.6



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: 2.261 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011993.D

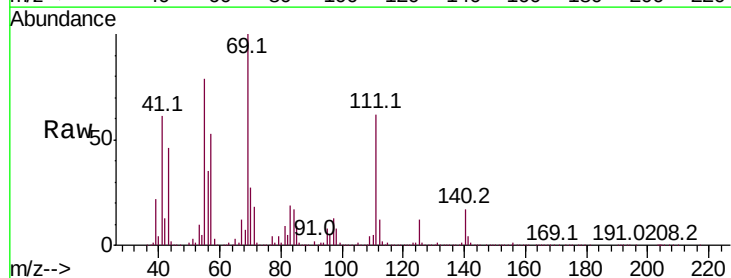
Acq: 19 Aug 2019 15:58

Tgt Ion:105 Resp: 3180

Ion Ratio Lower Upper

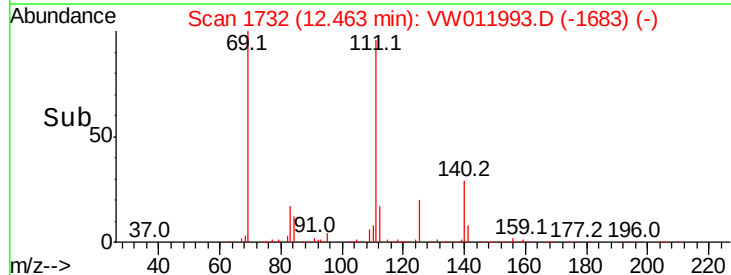
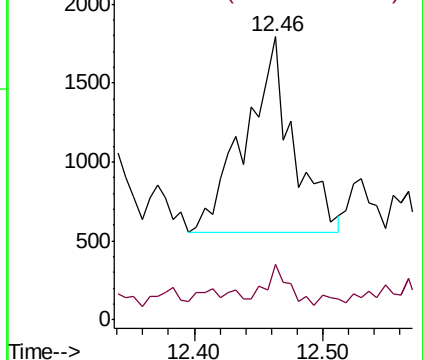
105 100

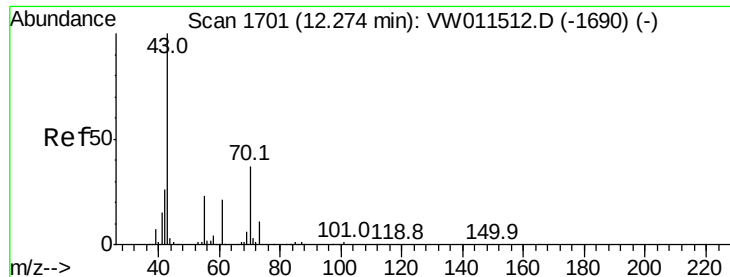
120 9.9 12.9 38.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 2306.983 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 1016007

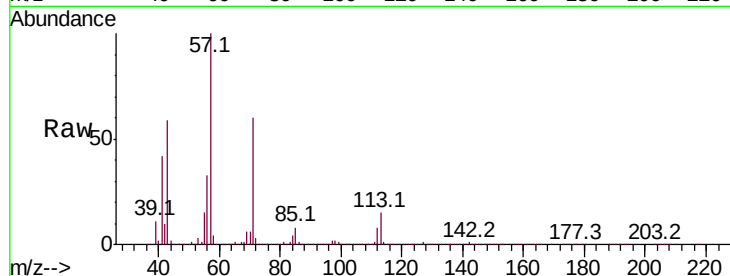
Ion Ratio Lower Upper

43 100

70 16.5 28.6 43.0#

55 0.0 17.8 26.8#

61 0.0 17.0 25.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

800000

600000

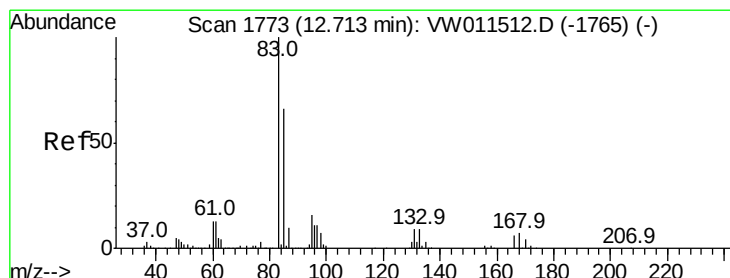
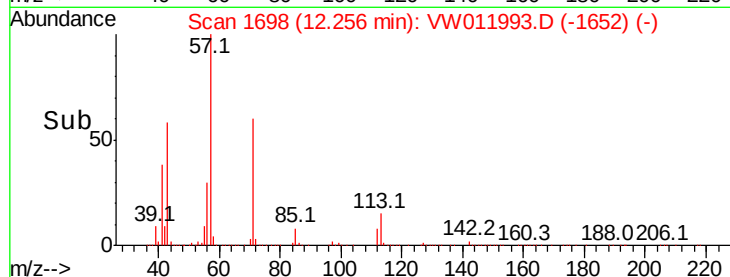
400000

200000

0

12.20 12.25 12.30

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 443.953 ug/l

RT: 12.78 min Scan# 1784

Delta R.T. 0.07 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

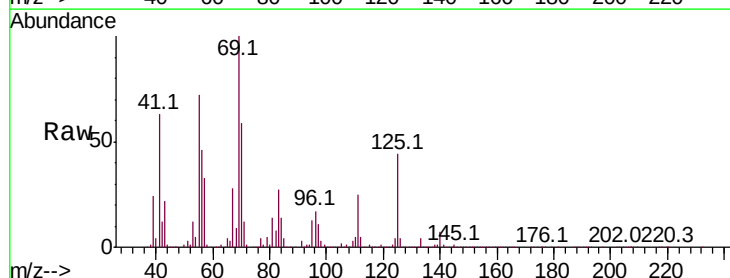
Tgt Ion: 83 Resp: 117470

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

85 0.0 31.8 95.4#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

80000

60000

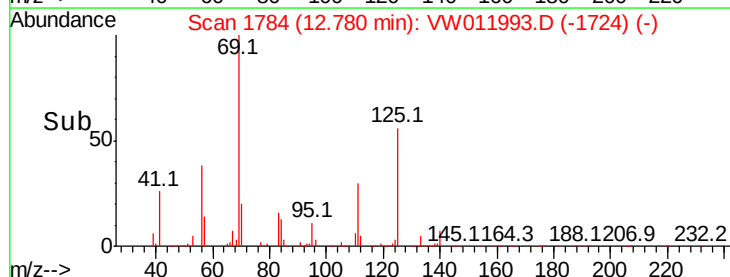
40000

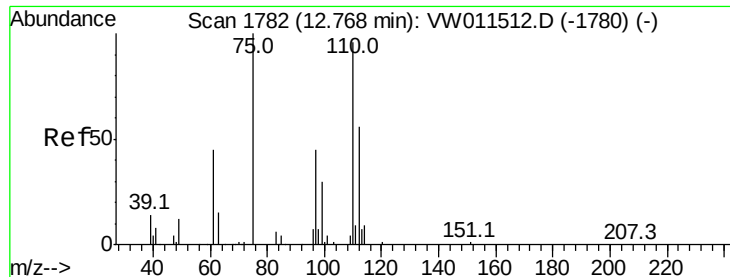
20000

0

12.70 12.75 12.80

Time-->





#76

1,2,3-Trichloropropane

Concen: 1.263 ug/l

RT: 12.78 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Instrument :

MSVOA_W

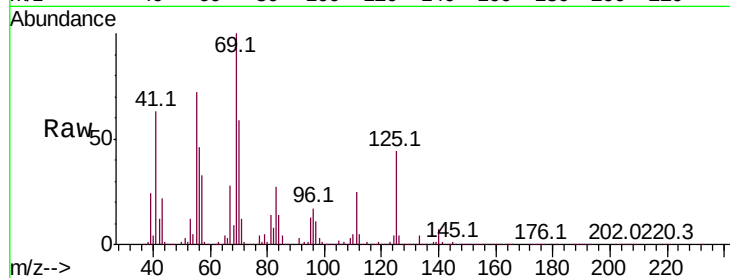
ClientSampled :

Tot Ion: 75 Resp: 252

Ion Ratio Lower Upper

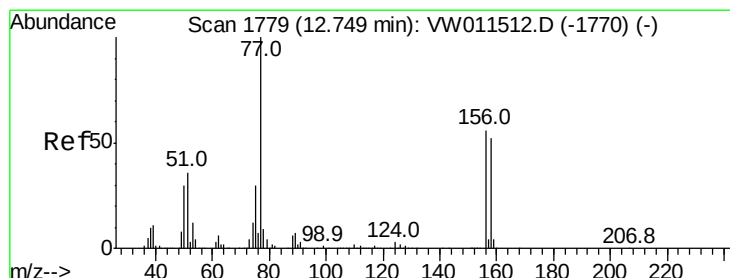
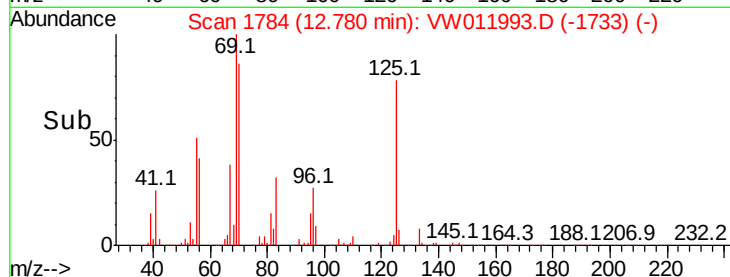
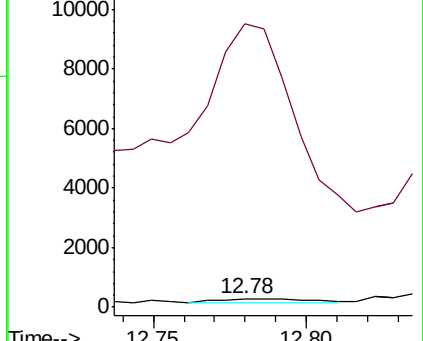
75 100

77 6021.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#77

Bromobenzene

Concen: 343.393 ug/l

RT: 12.88 min Scan# 1801

Delta R.T. 0.13 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

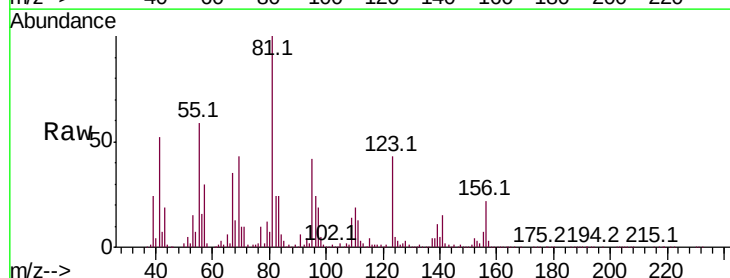
Tgt Ion: 156 Resp: 106769

Ion Ratio Lower Upper

156 100

77 0.0 106.5 319.4#

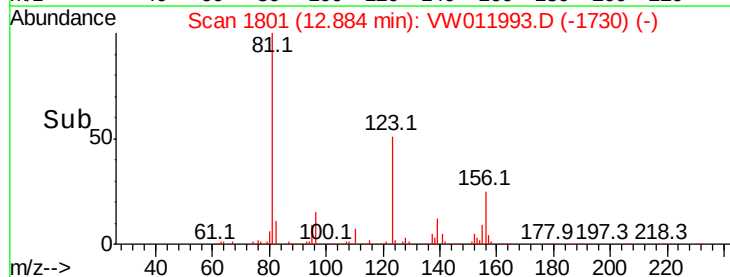
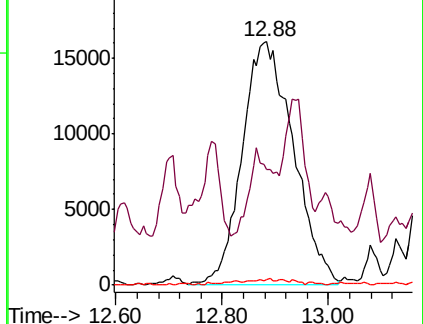
158 0.5 48.0 144.2#

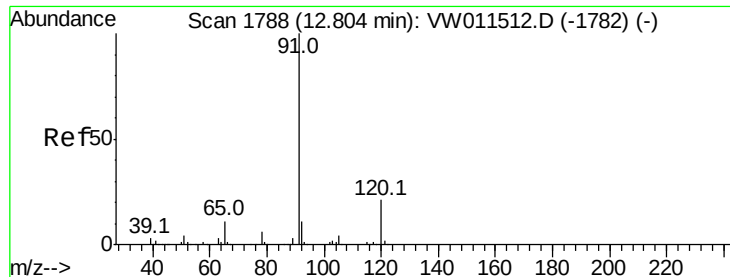


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 6.424 ug/l

RT: 12.79 min Scan# 1785

Delta R.T. -0.02 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Instrument :

MSVOA_W

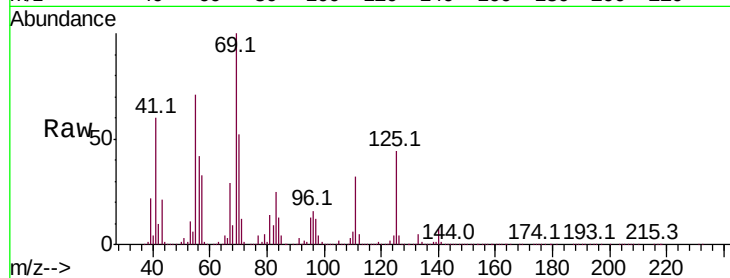
ClientSampleId :

Tot Ion: 91 Resp: 10998

Ion Ratio Lower Upper

91 100

120 0.0 10.9 32.7#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

12.79

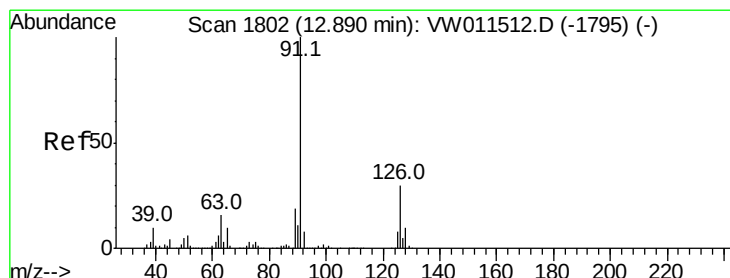
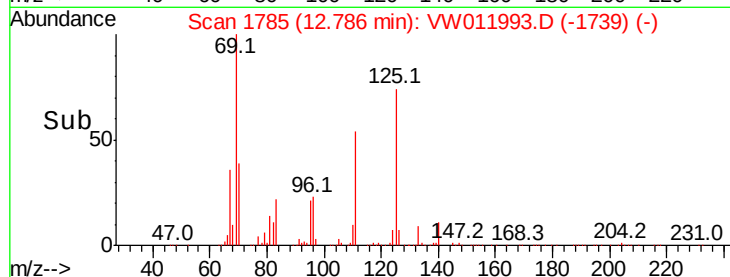
6000

4000

2000

0

Time-->



#79

2-Chlorotoluene

Concen: 5.453 ug/l

RT: 12.88 min Scan# 1801

Delta R.T. -0.01 min

Lab File: VW011993.D

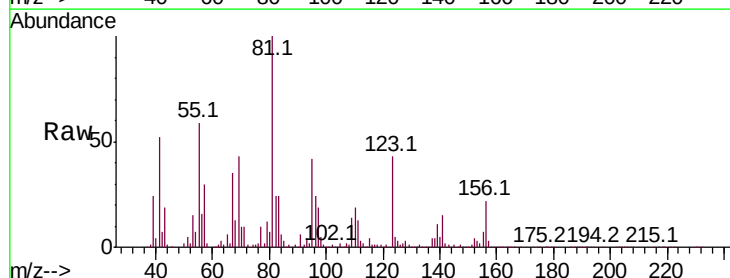
Acq: 19 Aug 2019 15:58

Tgt Ion: 91 Resp: 5378

Ion Ratio Lower Upper

91 100

126 0.0 15.7 47.1#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

12.88

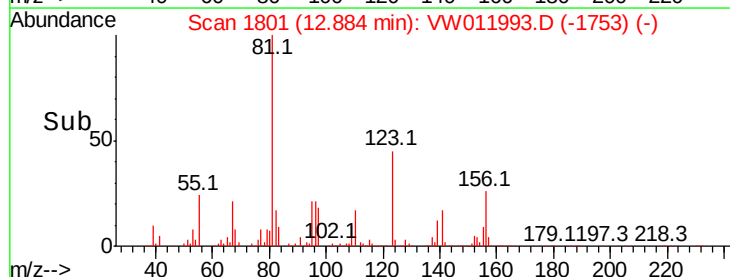
6000

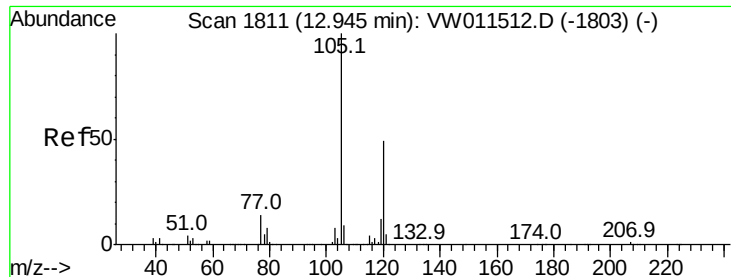
4000

2000

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 2.025 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Instrument :

MSVOA_W

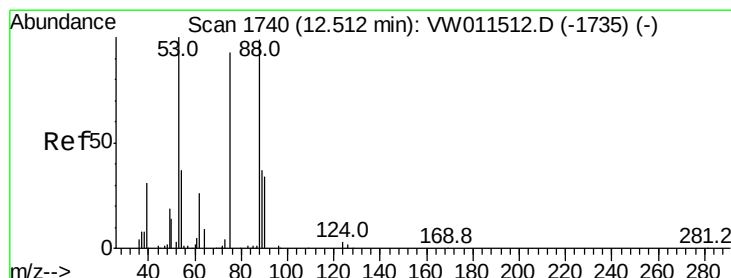
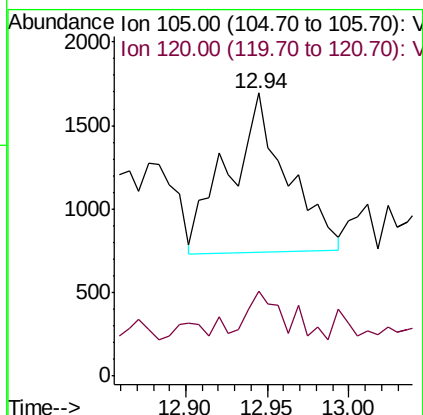
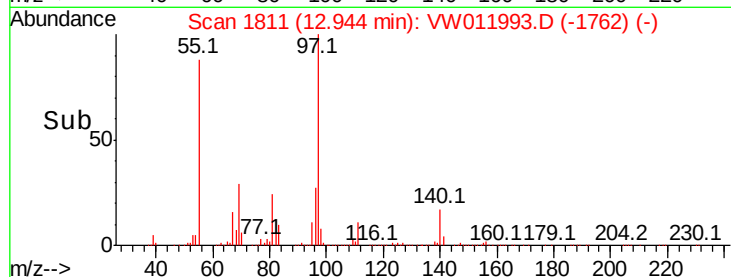
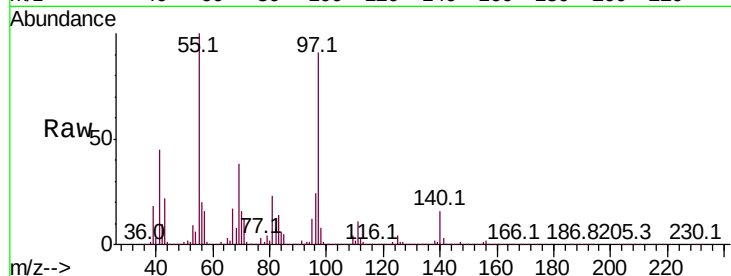
ClientSampleId :

Tot Ion:105 Resp: 2388

Ion Ratio Lower Upper

105 100

120 28.3 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 7.635 ug/l

RT: 12.42 min Scan# 1725

Delta R.T. -0.09 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

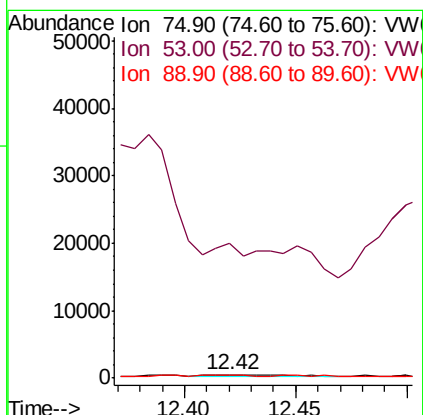
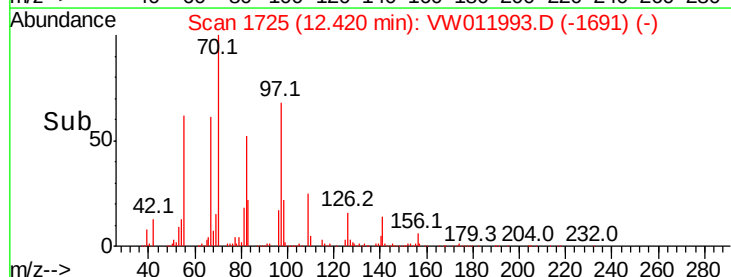
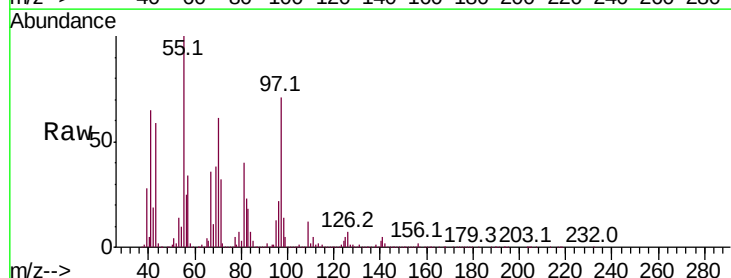
Tgt Ion: 75 Resp: 661

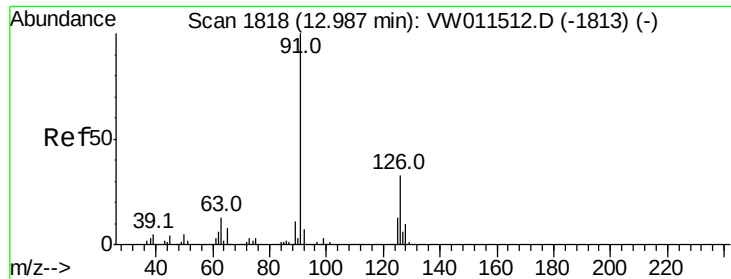
Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 67.2 35.3 52.9#





#82

4-Chlorotoluene

Concen: 6.444 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.04 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Instrument :

MSVOA_W

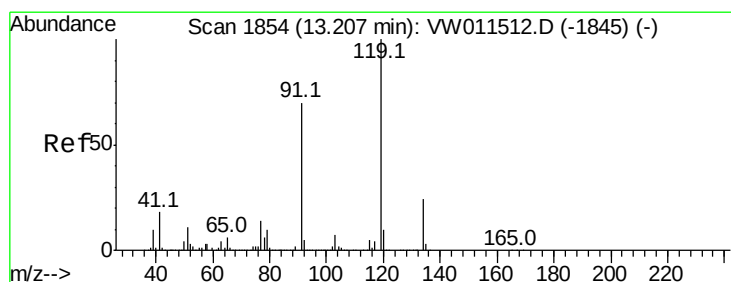
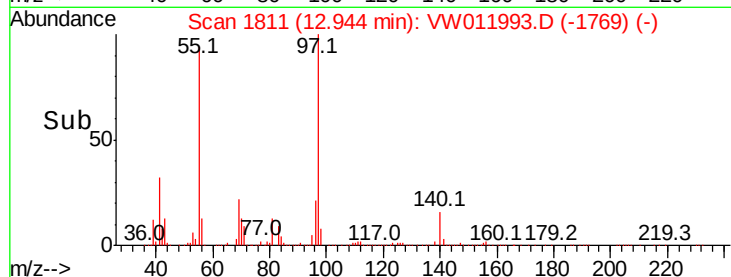
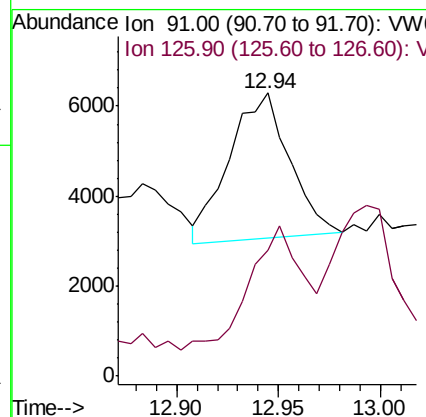
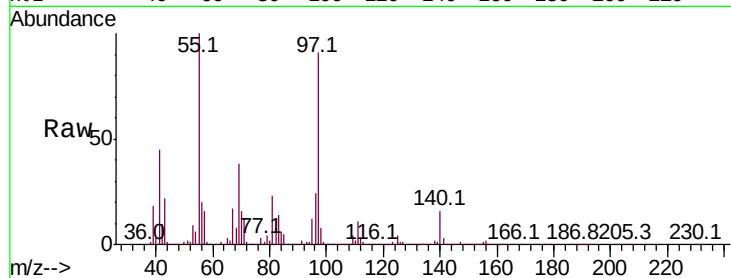
ClientSampled :

Tot Ion: 91 Resp: 6668

Ion Ratio Lower Upper

91 100

126 81.5 15.6 46.8#



#83

tert-Butylbenzene

Concen: 2.096 ug/l

RT: 13.20 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

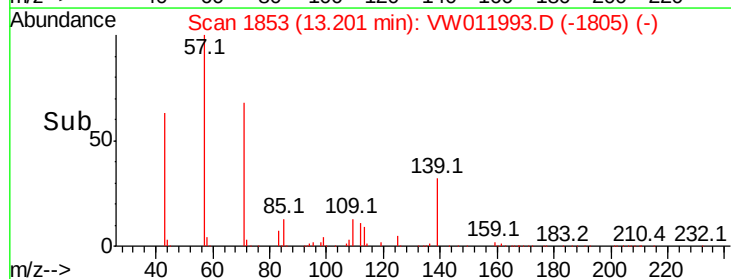
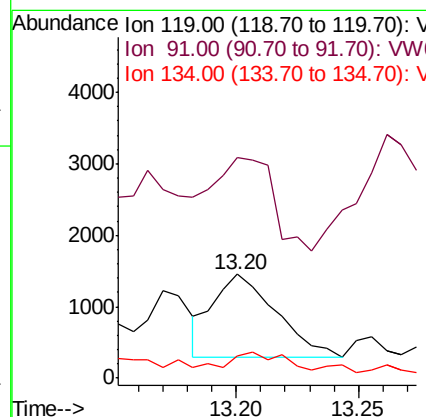
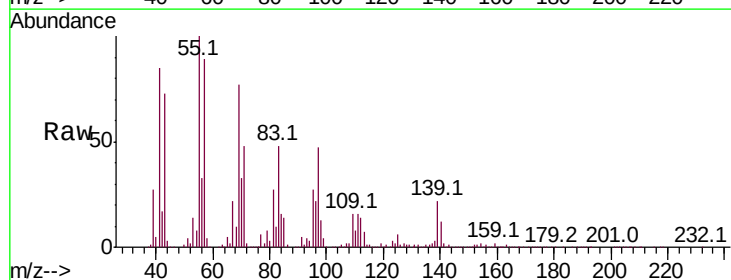
Tgt Ion: 119 Resp: 2067

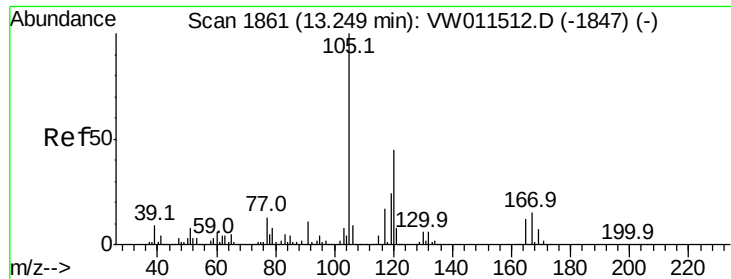
Ion Ratio Lower Upper

119 100

91 106.1 34.5 103.6#

134 15.3 12.4 37.4





#84

1,2,4-Trimethylbenzene

Concen: 1.097 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Instrument :

MSVOA_W

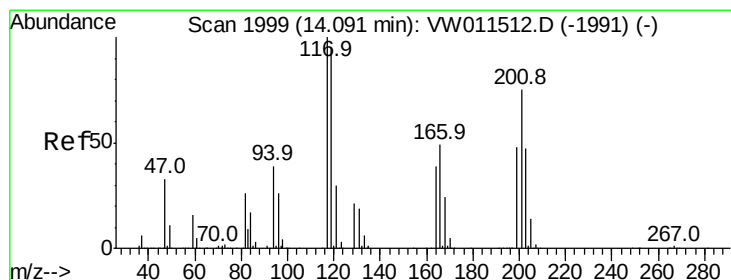
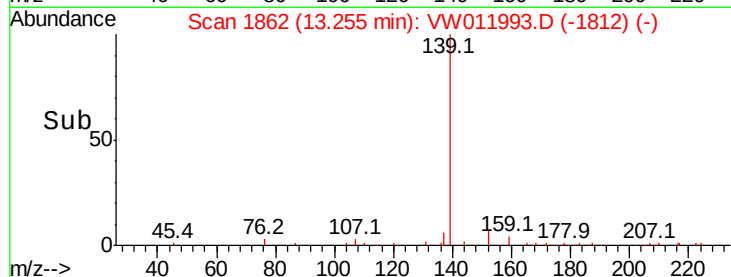
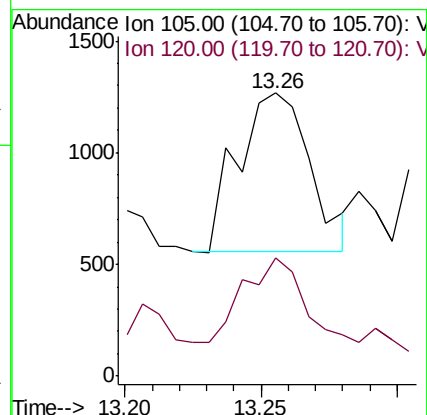
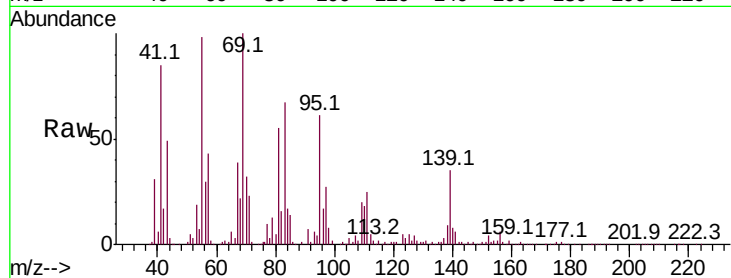
ClientSampled :

Tot Ion:105 Resp: 1303

Ion Ratio Lower Upper

105 100

120 43.6 22.1 66.5



#90

Hexachloroethane

Concen: 1.373 ug/l

RT: 14.08 min Scan# 1998

Delta R.T. -0.01 min

Lab File: VW011993.D

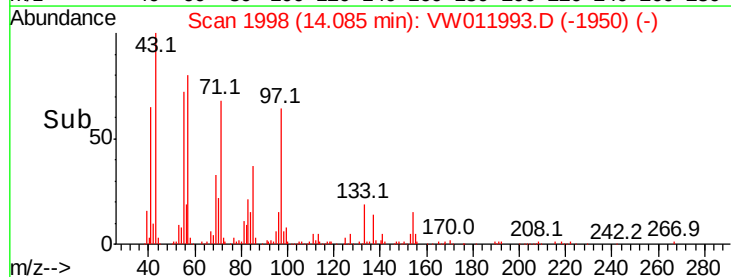
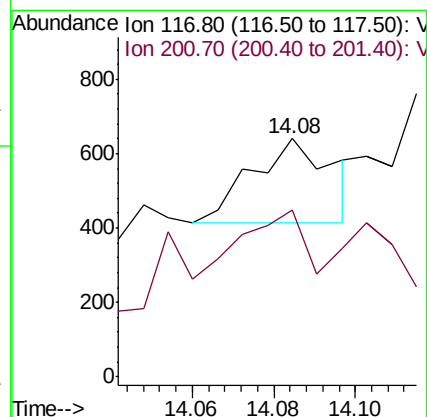
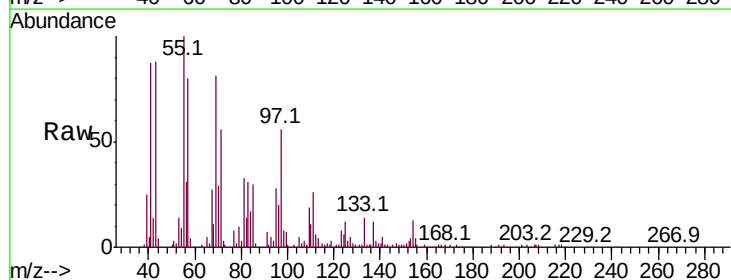
Acq: 19 Aug 2019 15:58

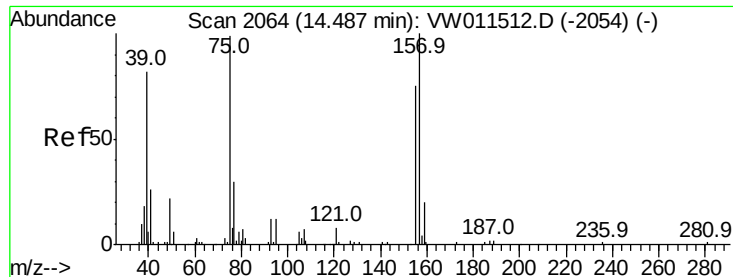
Tgt Ion:117 Resp: 310

Ion Ratio Lower Upper

117 100

201 147.7 39.4 118.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.574 ug/l

RT: 14.45 min Scan# 2058

Delta R.T. -0.04 min

Lab File: VW011993.D

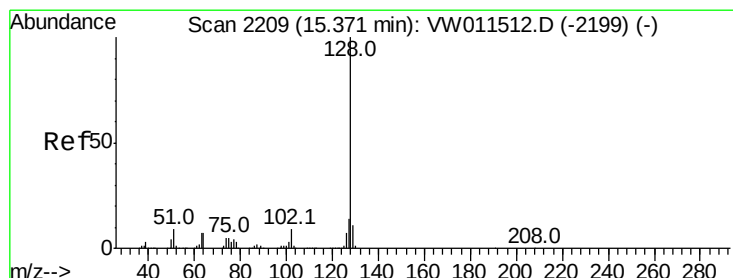
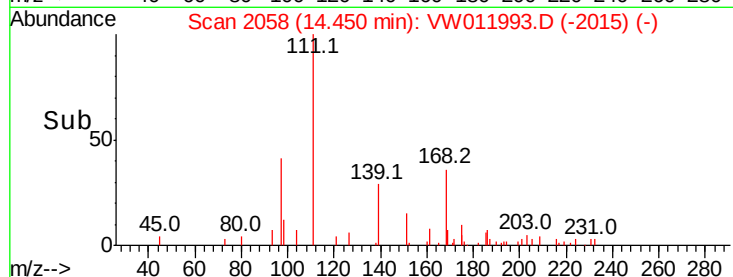
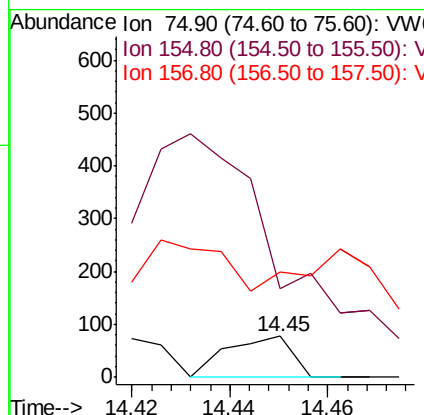
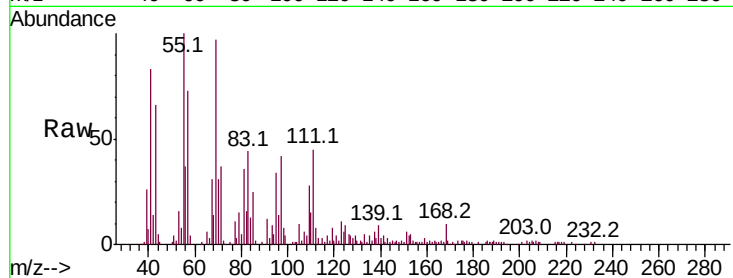
Acq: 19 Aug 2019 15:58

Instrument :

MSVOA_W

ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
155	0.0	38.2	114.6#
157	100.0	48.9	146.7



#95

Naphthalene

Concen: 2.231 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW011993.D

Acq: 19 Aug 2019 15:58

Tgt Ion	Ratio	Lower	Upper
128	100		
127	137.5	10.6	16.0#
129	128.1	8.6	13.0#

