

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100419\
 Data File : VW013441.D
 Acq On : 04 Oct 2019 16:11
 Operator : SY/VA
 Sample : K5213-05
 Misc : 4.99G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S-3(0-5)

Quant Time: Oct 05 04:54:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	6414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	9050	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	6941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	2743	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	3399	70.97	ug/l	0.00
Spiked Amount			Recovery	=	141.94%	
35) Dibromofluoromethane	7.89	113	2919	61.47	ug/l	0.00
Spiked Amount			Recovery	=	122.94%	
50) Toluene-d8	10.33	98	10329	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.61	95	4566	69.38	ug/l	0.00
Spiked Amount			Recovery	=	138.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	162	3.957	ug/l #	42
5) Bromomethane	2.54	94	51	1.429	ug/l #	6
11) Tert butyl alcohol	5.15	59	676	164.429	ug/l #	73
13) Acrolein	3.80	56	38	18.093	ug/l #	15
16) Acetone	4.13	43	1236	84.198	ug/l	94
20) Methylene Chloride	4.92	84	284	2.950	ug/l #	53
25) 2-Butanone	7.16	43	51	2.715	ug/l #	51
26) 2,2-Dichloropropane	7.10	77	193	1.641	ug/l #	52
27) cis-1,2-Dichloroethene	7.16	96	243	3.692	ug/l #	68
31) Cyclohexane	7.96	56	1283	11.710	ug/l #	69
36) 1,1-Dichloropropene	7.96	75	309	3.676	ug/l #	54
37) Ethyl Acetate	7.16	43	51	1.521	ug/l #	1
38) Carbon Tetrachloride	7.95	117	701	9.627	ug/l #	14
39) Methylcyclohexane	9.34	83	4650	42.005	ug/l	88
41) Methacrylonitrile	7.73	41	89	3.979	ug/l #	24
43) Isopropyl Acetate	8.43	43	484	6.932	ug/l #	50
44) Trichloroethene	9.09	130	114	1.701	ug/l	38
47) Bromodichloromethane	9.63	83	146	2.084	ug/l #	26
48) Methyl methacrylate	9.44	41	173	5.157	ug/l #	13
51) 4-Methyl-2-Pentanone	10.21	43	465	12.676	ug/l #	44
55) 1,1,2-Trichloroethane	10.76	97	5410	127.443	ug/l #	22
56) Ethyl methacrylate	10.66	69	2242	39.238	ug/l #	41
59) 2-Hexanone	10.94	43	6537	257.090	ug/l #	30
60) Dibromochloromethane	11.16	129	215	4.427	ug/l	79
61) 1,2-Dibromoethane	11.40	107	70	1.706	ug/l	100
64) Tetrachloroethene	10.86	164	1927	36.492	ug/l	89
65) Chlorobenzene	11.56	112	214	1.505	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	11.71	131	76	1.569	ug/l #	1
68) m/p-Xylenes	11.86	106	105	1.067	ug/l #	1
71) Bromoform	12.37	173	121	4.608	ug/l #	1
73) Isopropylbenzene	12.47	105	797	3.972	ug/l	82
74) N-amyl acetate	12.25	43	25886	606.215	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.68	83	4711	138.720	ug/l #	26
76) 1,2,3-Trichloropropane	12.83	75	76	3.117	ug/l #	100

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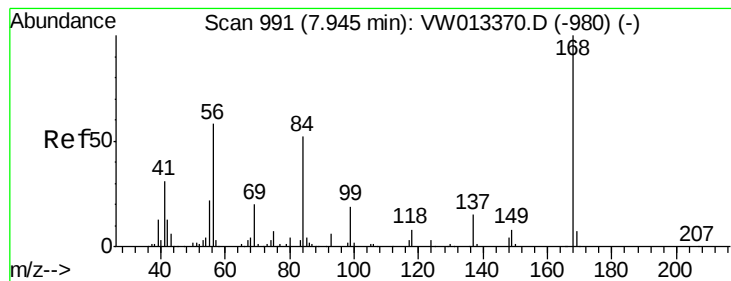
Instrument :
 MSVOA_W
 ClientSampleId :
 S-3(0-5)

Quant Time: Oct 05 04:54:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

77) Bromobenzene	12.77	156	353	7.327	uq/l #	1
78) n-propylbenzene	12.78	91	1489	6.452	uq/l	85
79) 2-Chlorotoluene	12.89	91	1056	8.238	uq/l #	40
80) 1,3,5-Trimethylbenzene	13.10	105	2792	16.751	uq/l	97
81) trans-1,4-Dichloro-2-buten	12.43	75	71	9.873	uq/l #	13
82) 4-Chlorotoluene	12.97	91	426	3.172	uq/l #	1
83) tert-Butylbenzene	13.19	119	1124	7.721	uq/l #	19
84) 1,2,4-Trimethylbenzene	13.27	105	1089	6.572	uq/l	85
85) sec-Butylbenzene	13.33	105	246	1.226	uq/l	99
86) p-Isopropyltoluene	13.51	119	782	4.204	uq/l #	13
87) 1,3-Dichlorobenzene	13.49	146	234	2.582	uq/l #	68
88) 1,4-Dichlorobenzene	13.59	146	127	1.399	uq/l #	1
89) n-Butylbenzene	13.82	91	1924	11.472	uq/l #	57
90) Hexachloroethane	14.10	117	4654	151.436	uq/l #	5
91) 1,2-Dichlorobenzene	13.86	146	94	1.173	uq/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.49	75	215	42.326	uq/l #	59
93) 1,2,4-Trichlorobenzene	15.13	180	291	5.061	uq/l #	1
95) Naphthalene	15.39	128	672	6.928	uq/l #	79
96) 1,2,3-Trichlorobenzene	15.58	180	493	9.820	uq/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_W

ClientSampled :

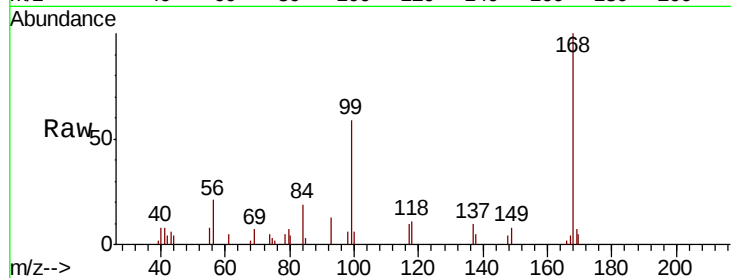
S-3(0-5)

Tot Ion:168 Resp: 6414

Ion Ratio Lower Upper

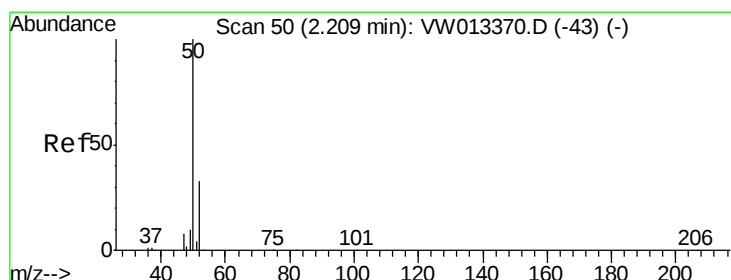
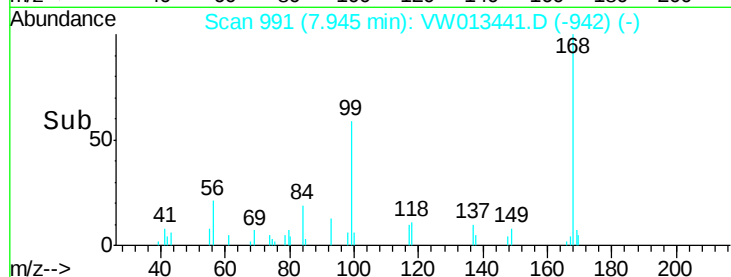
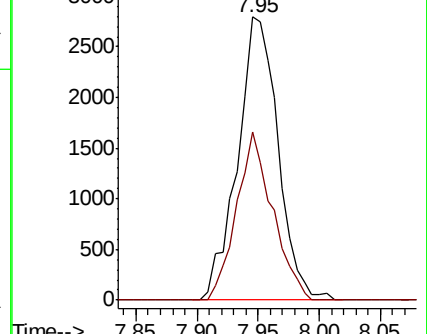
168 100

99 59.3 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 3.957 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013441.D

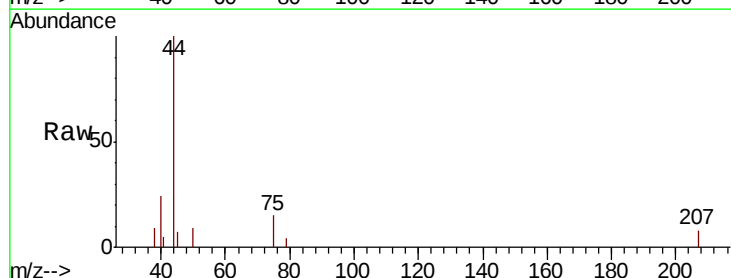
Acq: 04 Oct 2019 16:11

Tgt Ion: 50 Resp: 162

Ion Ratio Lower Upper

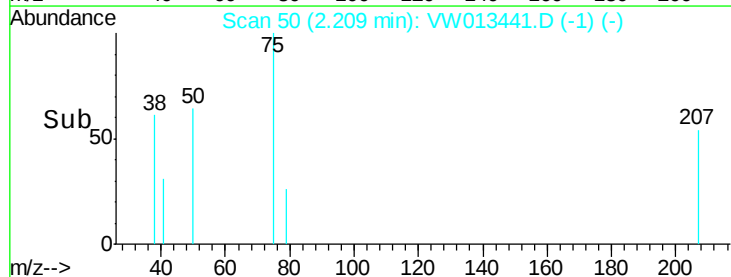
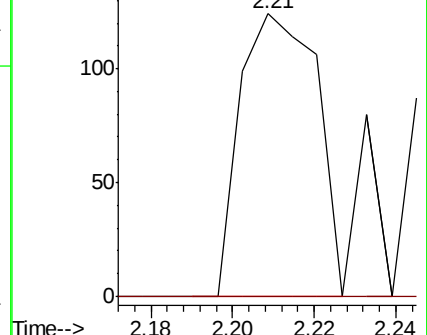
50 100

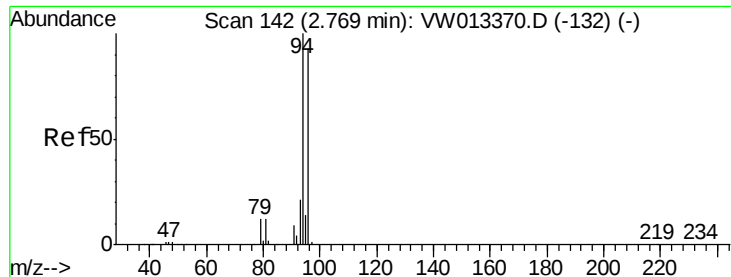
52 0.0 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#5

Bromomethane

Concen: 1.429 ug/l

RT: 2.54 min Scan# 105

Delta R.T. -0.23 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

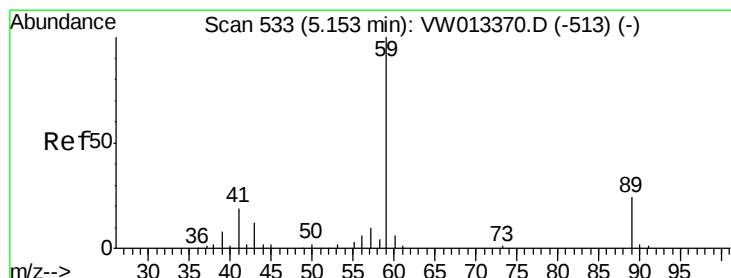
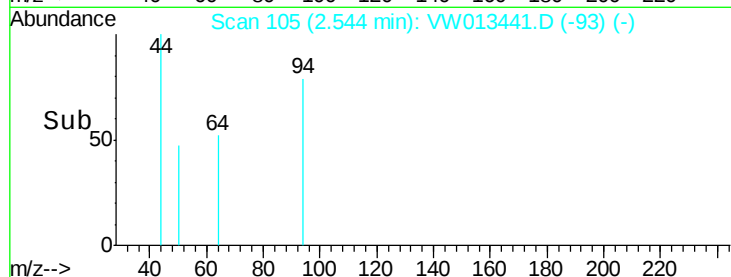
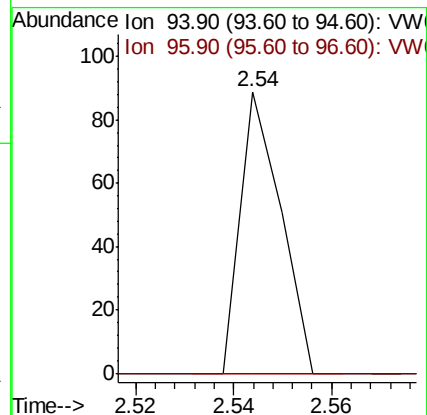
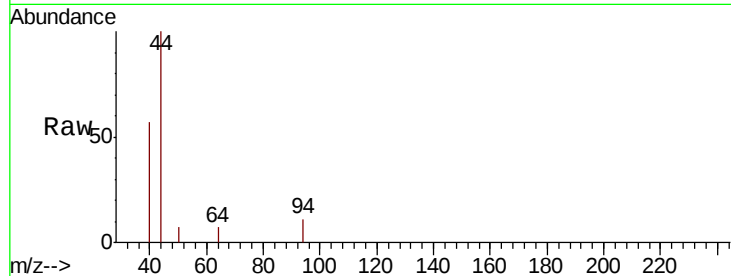
S-3(0-5)

Tot Ion: 94 Resp: 51

Ion Ratio Lower Upper

94 100

96 0.0 69.7 104.5#



#11

Tert butyl alcohol

Concen: 164.429 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.01 min

Lab File: VW013441.D

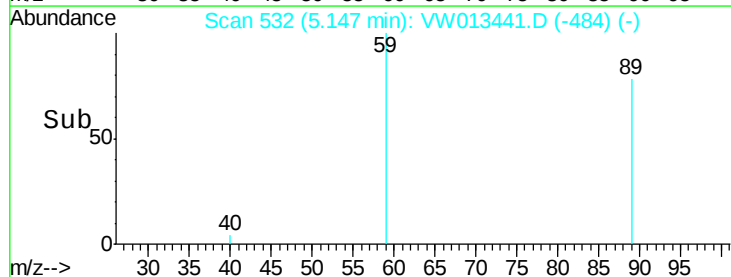
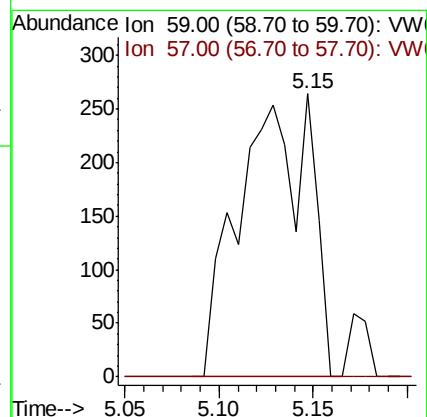
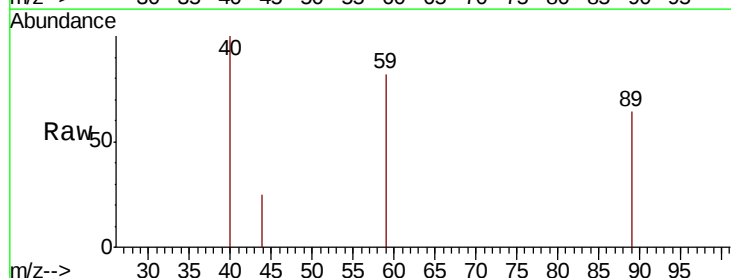
Acq: 04 Oct 2019 16:11

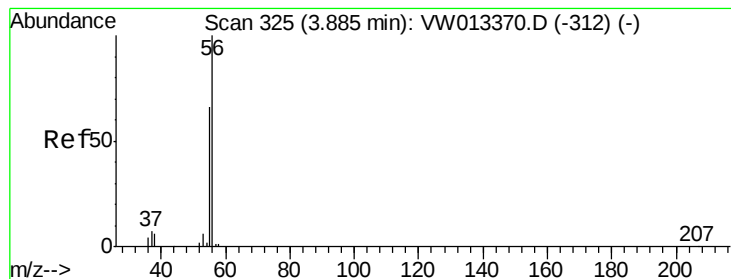
Tgt Ion: 59 Resp: 676

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#13

Acrolein

Concen: 18.093 ug/l

RT: 3.80 min Scan# 311

Delta R.T. -0.09 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_W

ClientSampled :

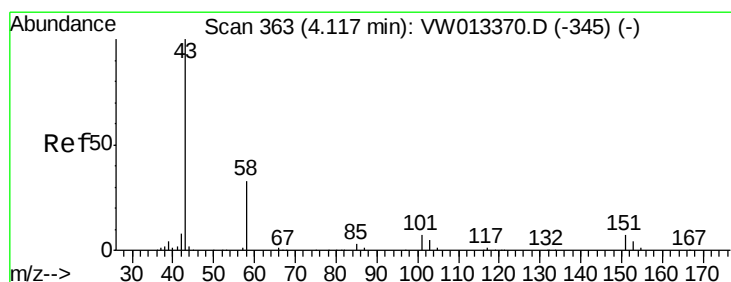
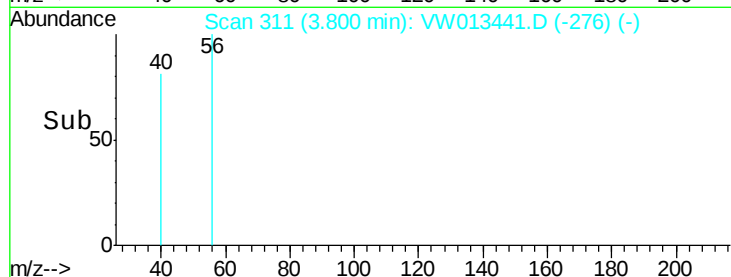
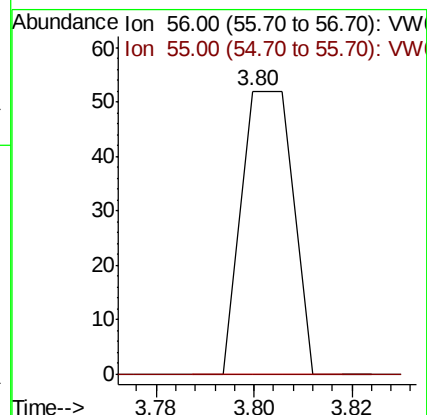
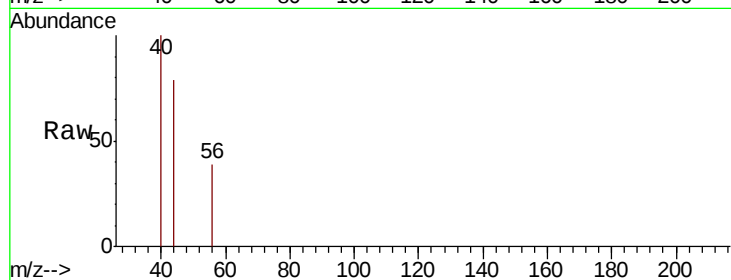
S-3(0-5)

Tot Ion: 56 Resp: 38

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



#16

Acetone

Concen: 84.198 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013441.D

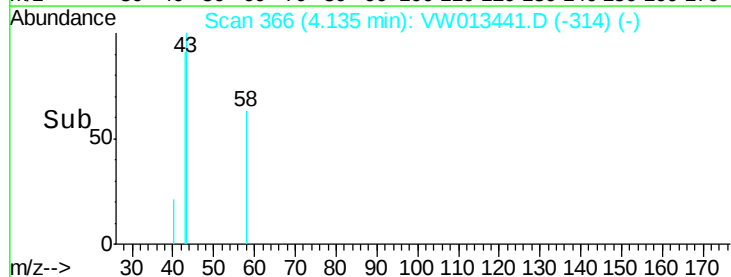
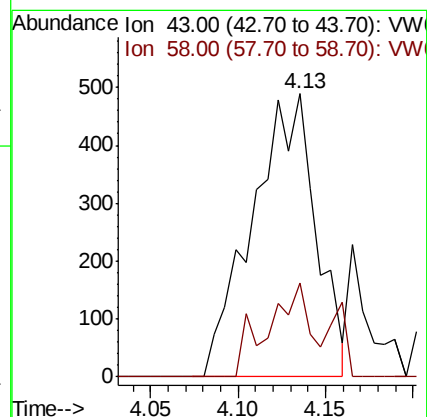
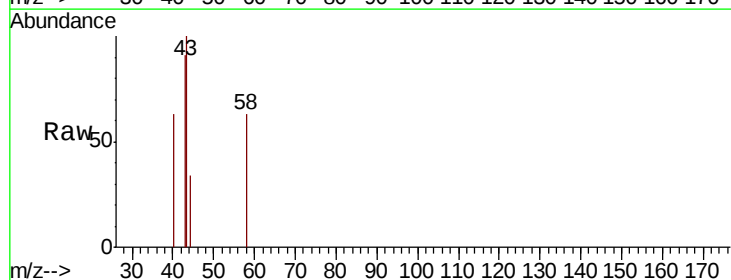
Acq: 04 Oct 2019 16:11

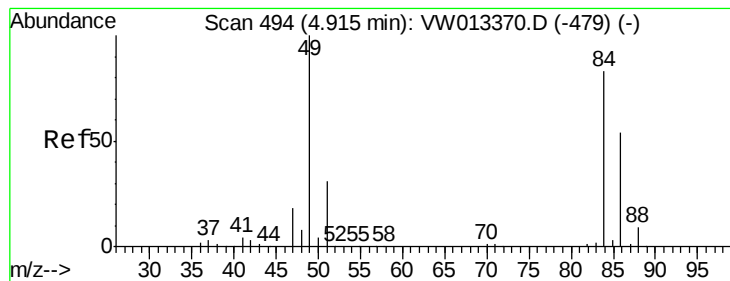
Tgt Ion: 43 Resp: 1236

Ion Ratio Lower Upper

43 100

58 33.1 24.1 36.1





#20

Methylene Chloride

Concen: 2.950 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_W

ClientSampled :

S-3(0-5)

Tot Ion: 84 Resp: 284

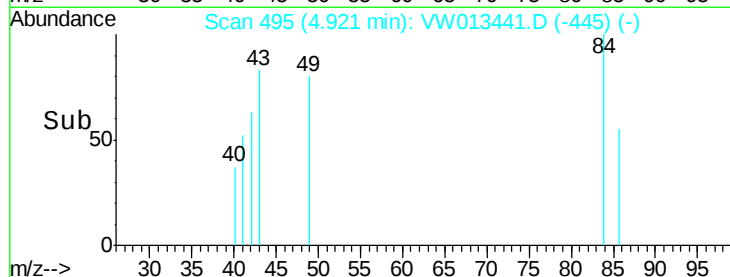
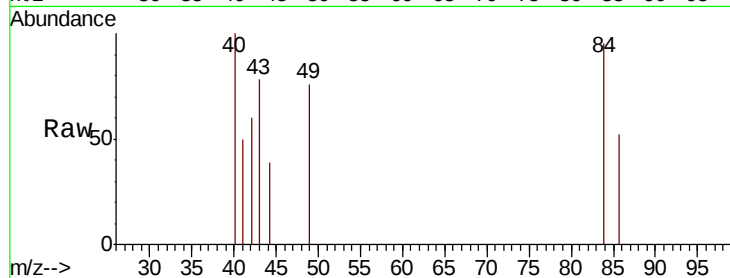
Ion Ratio Lower Upper

84 100

49 54.3 97.6 146.4#

51 0.0 30.2 45.2#

86 54.8 50.6 76.0



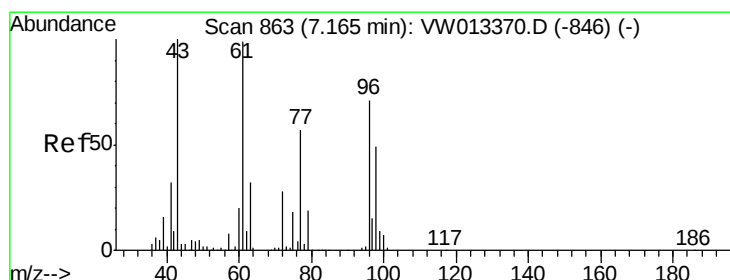
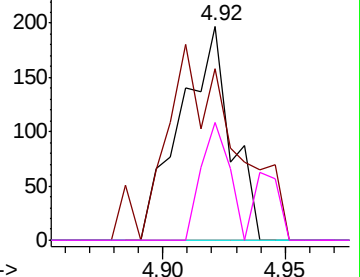
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

Time-->



#25

2-Butanone

Concen: 2.715 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013441.D

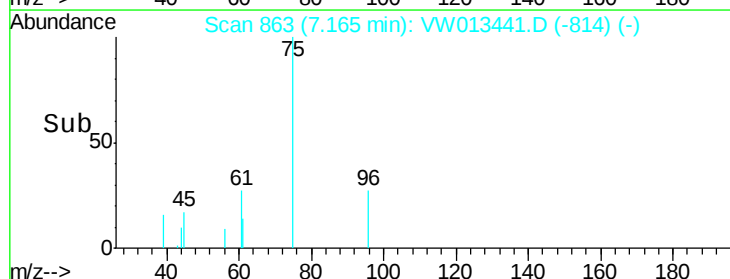
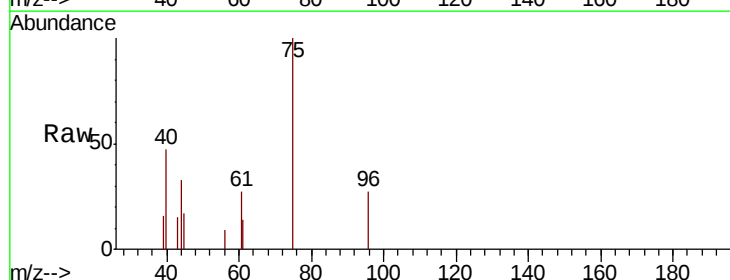
Acq: 04 Oct 2019 16:11

Tgt Ion: 43 Resp: 51

Ion Ratio Lower Upper

43 100

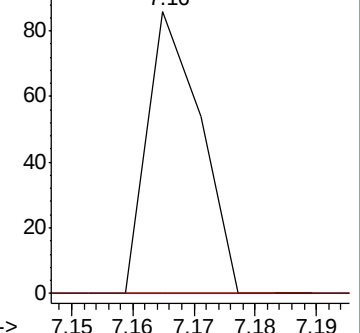
72 0.0 19.4 29.0#

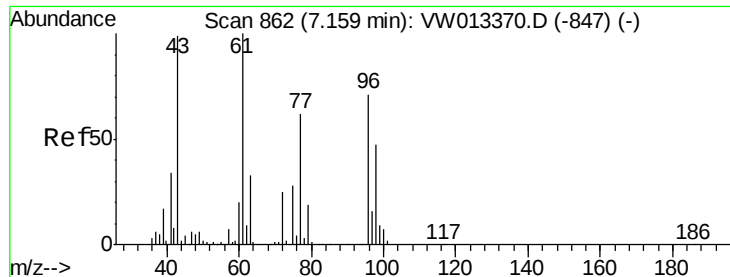


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

Time-->





#26

2,2-Dichloropropane

Concen: 1.641 ug/l

RT: 7.10 min Scan# 853

Delta R.T. -0.05 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_W

ClientSampled :

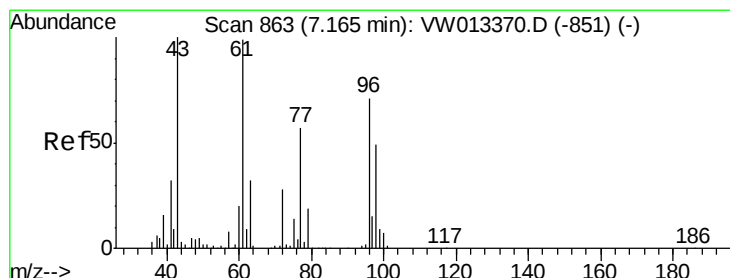
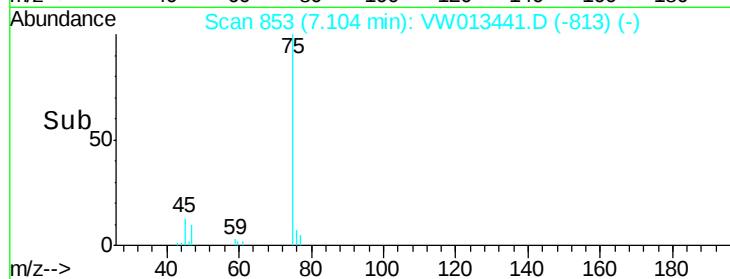
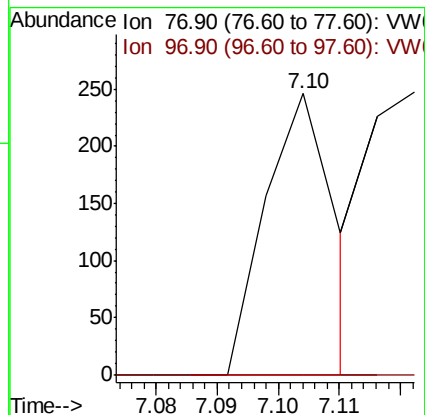
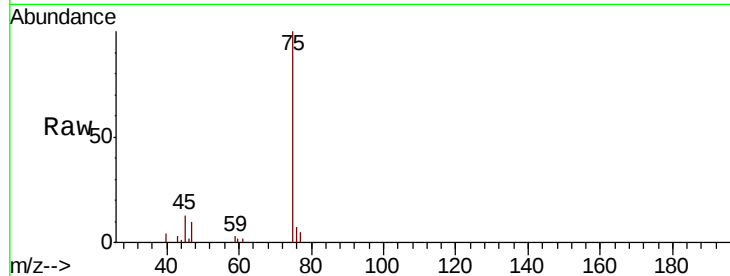
S-3(0-5)

Tot Ion: 77 Resp: 193

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



#27

cis-1,2-Dichloroethene

Concen: 3.692 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

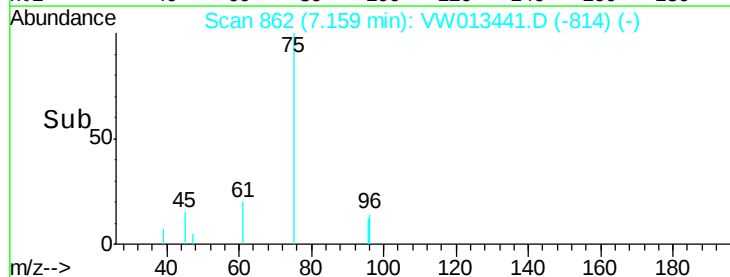
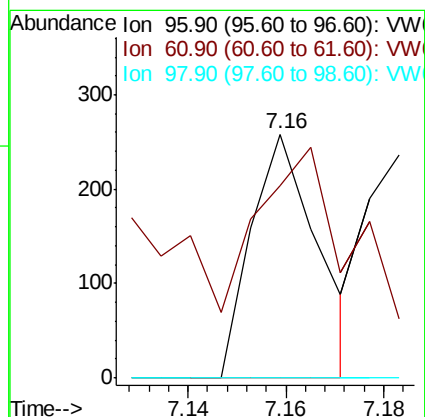
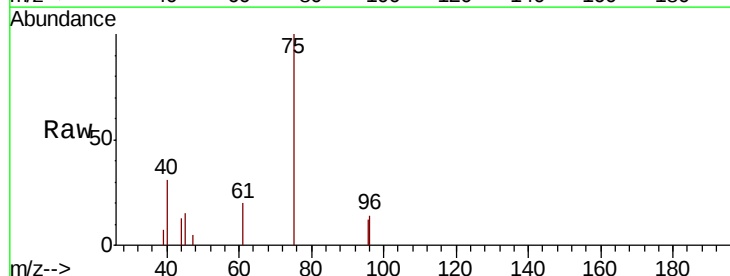
Tgt Ion: 96 Resp: 243

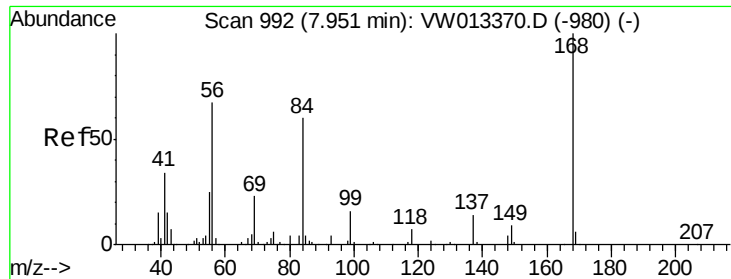
Ion Ratio Lower Upper

96 100

61 152.7 0.0 282.4

98 0.0 0.0 128.2

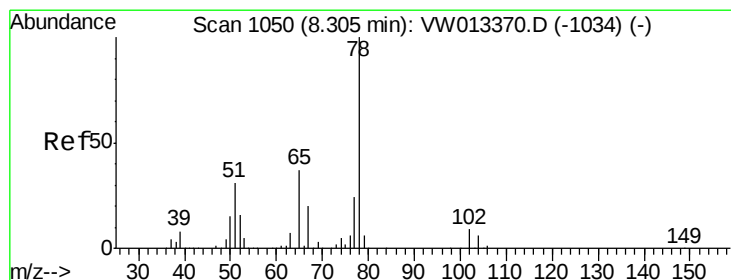
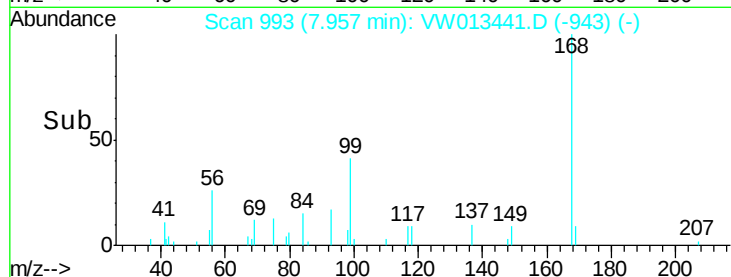
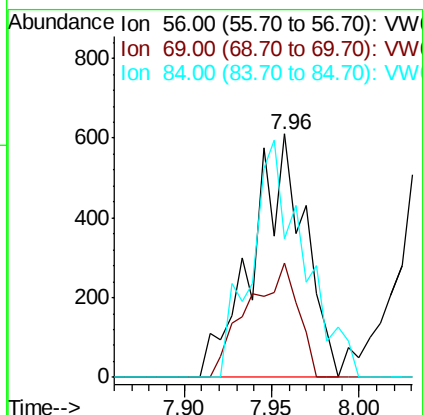
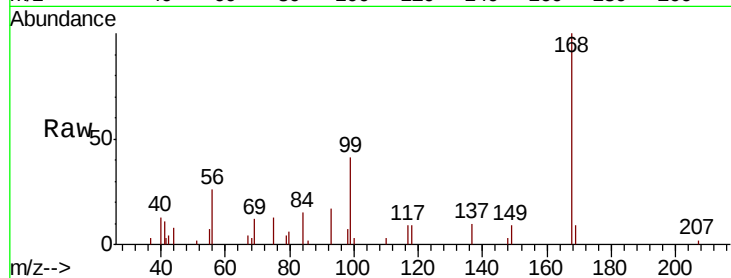




#31
Cyclohexane
Concen: 11.710 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW013441.D
Acq: 04 Oct 2019 16:11

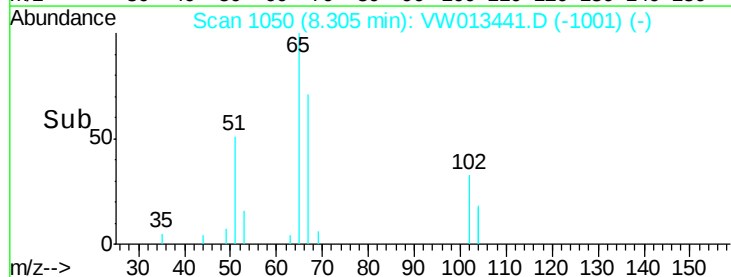
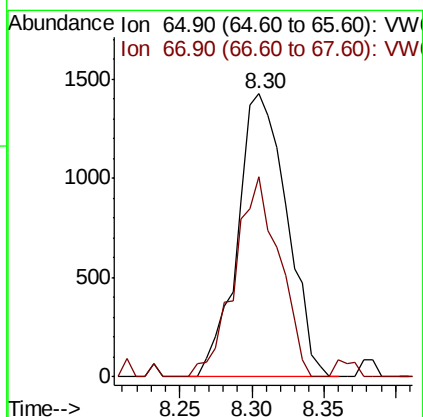
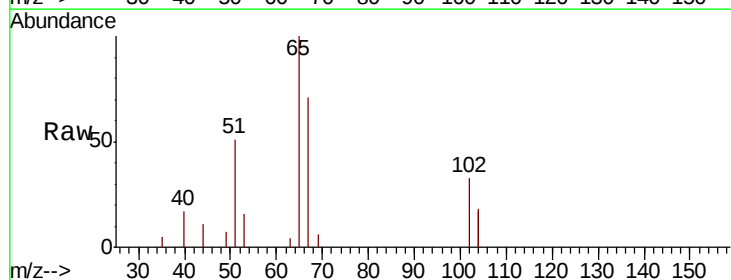
Instrument :
MSVOA_W
ClientSampled :
S-3(0-5)

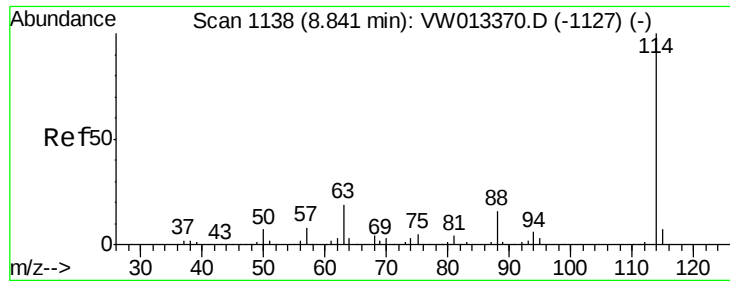
Tot Ion	56	Resp	1283
Ion Ratio	Lower	Upper	
56	100		
69	47.1	27.2	40.8#
84	57.0	70.8	106.2#



#33
1,2-Dichloroethane-d4
Concen: 70.973 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW013441.D
Acq: 04 Oct 2019 16:11

Tgt Ion	65	Resp	3399
Ion Ratio	Lower	Upper	
65	100		
67	64.4	0.0	106.2

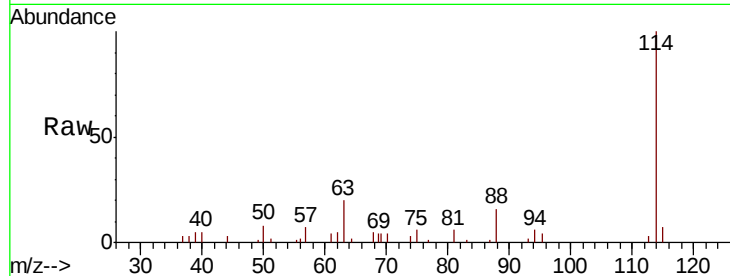




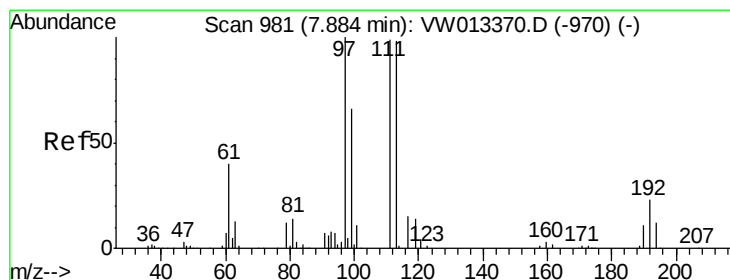
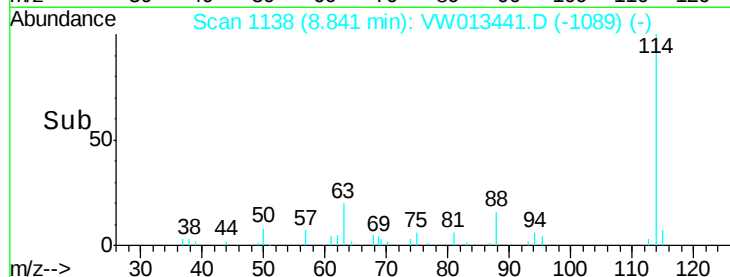
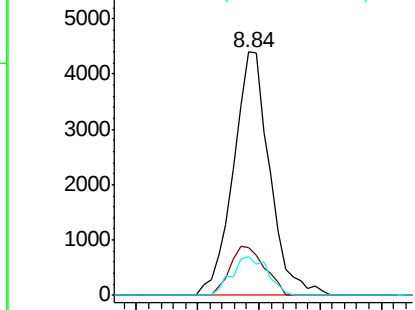
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013441.D
 Acq: 04 Oct 2019 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 S-3(0-5)

Tot Ion:114 Resp: 9050
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.4
 88 16.0 0.0 32.0

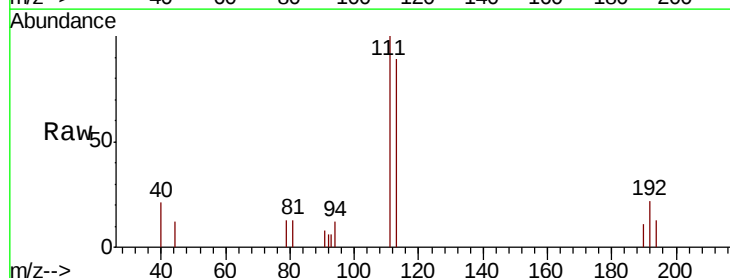


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

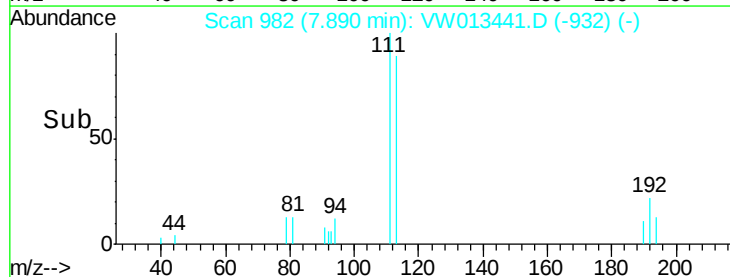
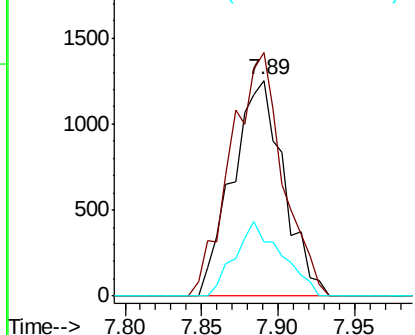


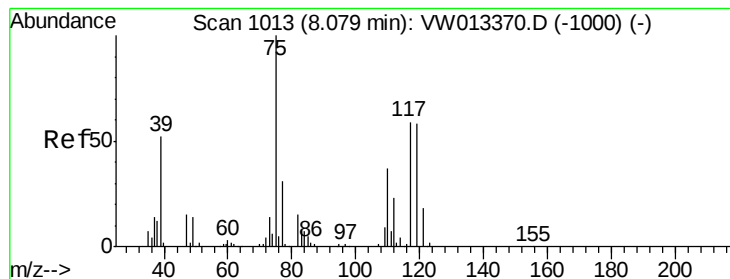
#35
 Dibromofluoromethane
 Concen: 61.469 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW013441.D
 Acq: 04 Oct 2019 16:11

Tgt Ion:113 Resp: 2919
 Ion Ratio Lower Upper
 113 100
 111 114.5 81.9 122.9
 192 31.4 19.1 28.7#



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





#36

1,1-Dichloropropene

Concen: 3.676 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_W

ClientSampled :

S-3(0-5)

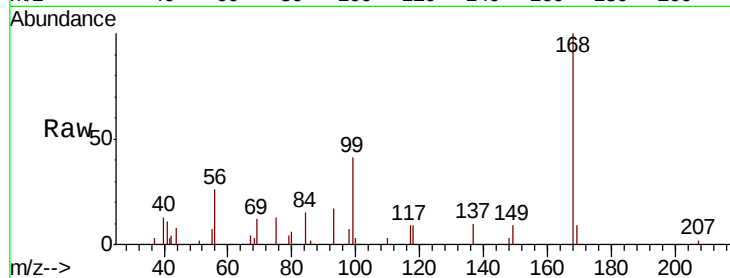
Tot Ion: 75 Resp: 309

Ion Ratio Lower Upper

75 100

110 14.9 18.1 54.3#

77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW

7.96

300

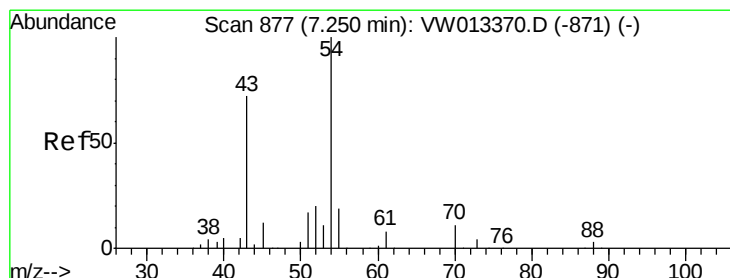
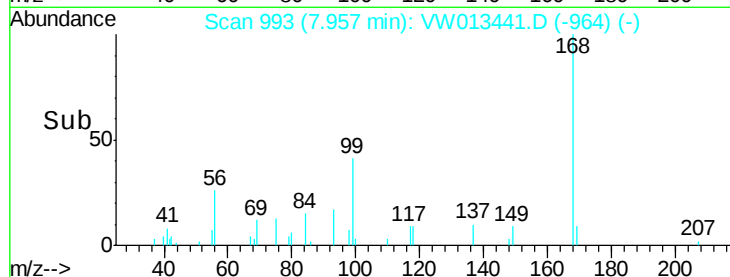
200

100

0

7.92 7.94 7.96 7.98 8.00

Time-->



#37

Ethyl Acetate

Concen: 1.521 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.09 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

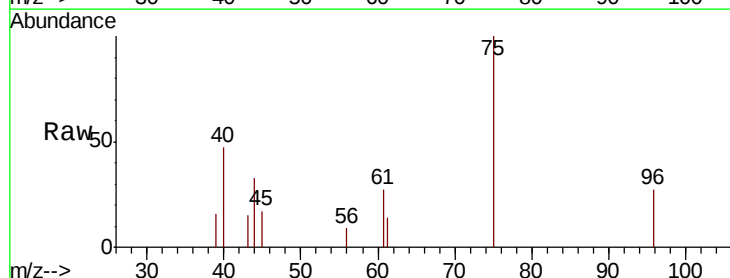
Tgt Ion: 43 Resp: 51

Ion Ratio Lower Upper

43 100

61 727.5 10.9 16.3#

70 0.0 8.2 12.2#



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

7.16

300

250

200

150

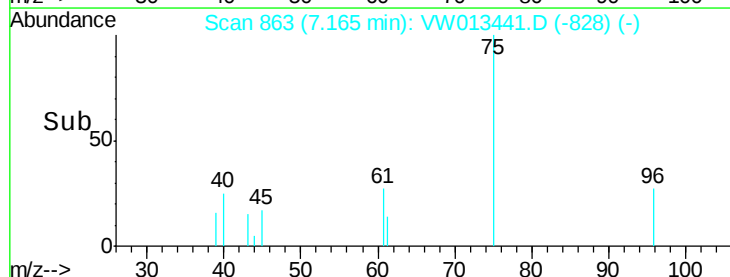
100

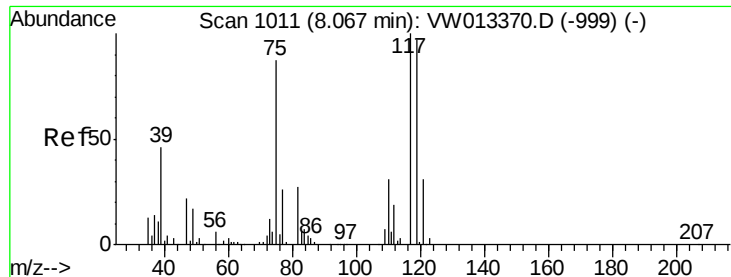
50

0

7.15 7.16 7.17 7.18 7.19

Time-->





#38

Carbon Tetrachloride

Concen: 9.627 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

S-3(0-5)

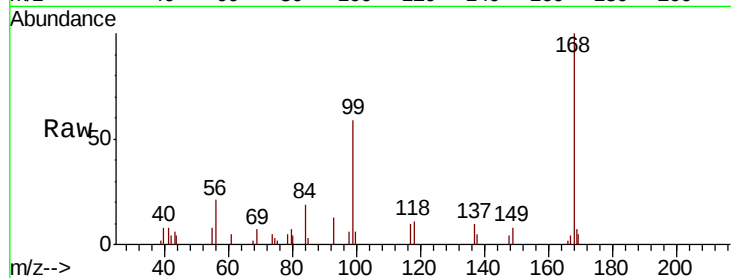
Tot Ion:117 Resp: 701

Ion Ratio Lower Upper

117 100

119 0.0 73.5 110.3#

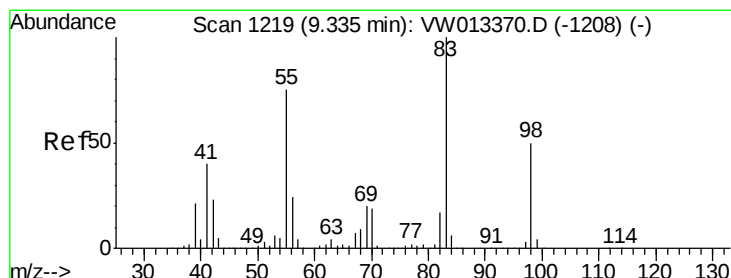
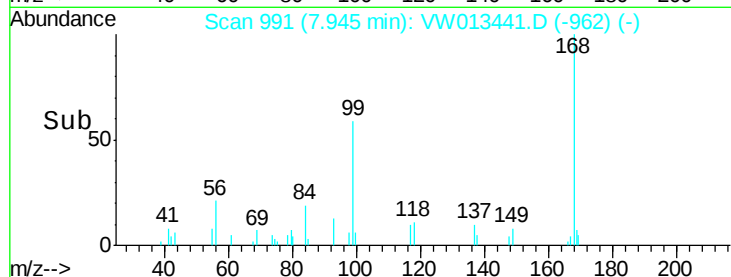
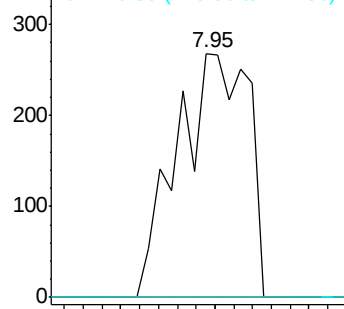
121 0.0 25.0 37.6#



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: 42.005 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

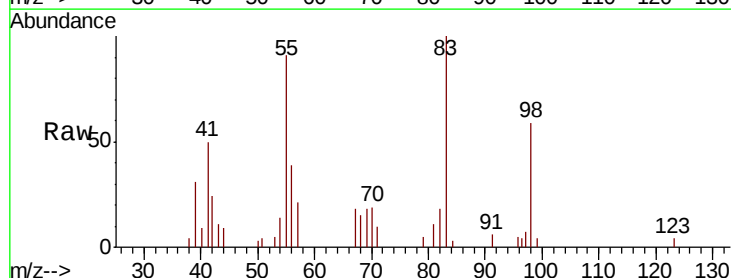
Tgt Ion: 83 Resp: 4650

Ion Ratio Lower Upper

83 100

55 85.4 60.4 90.6

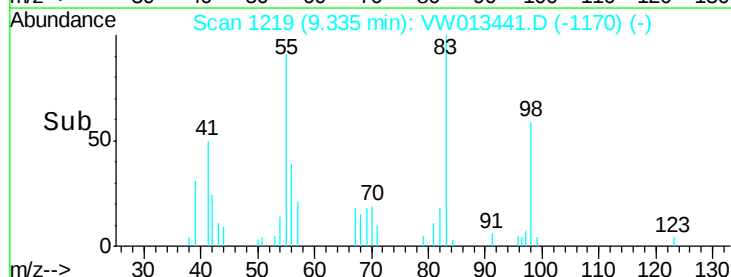
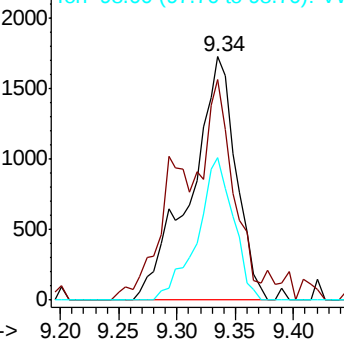
98 58.6 40.0 60.0

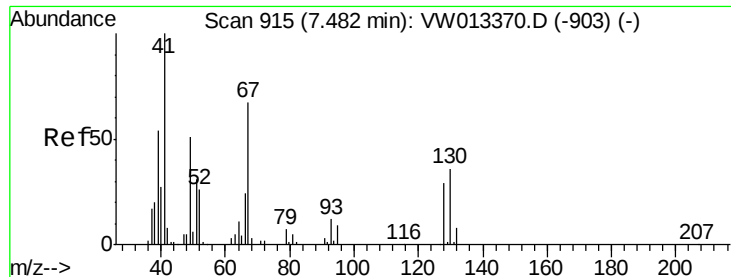


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

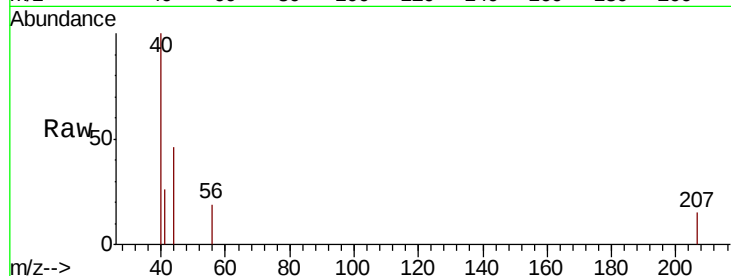




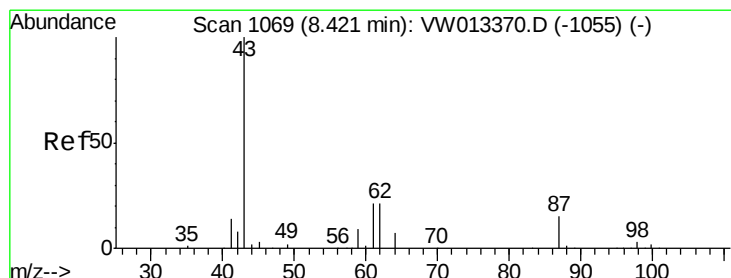
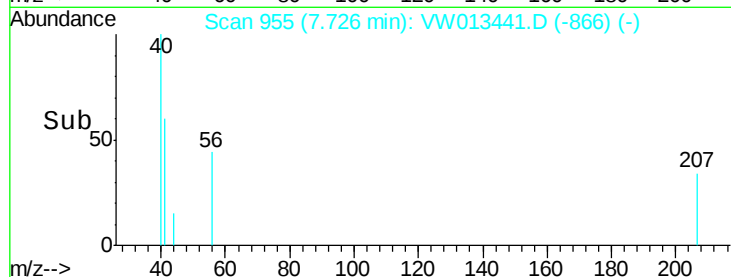
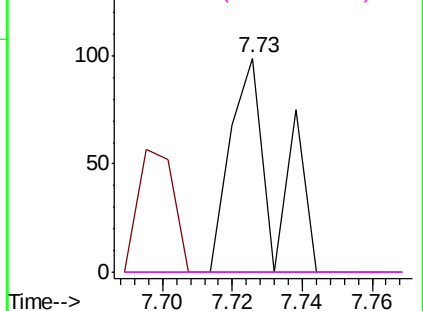
#41
Methacrylonitrile
Concen: 3.979 ug/l
RT: 7.73 min Scan# 955
Delta R.T. 0.24 min
Lab File: VW013441.D
Acq: 04 Oct 2019 16:11

Instrument :
MSVOA_W
ClientSampled :
S-3(0-5)

Tot Ion:	41	Resp:	89
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.9	68.9#
67	0.0	54.5	81.7#
52	0.0	22.5	33.7#

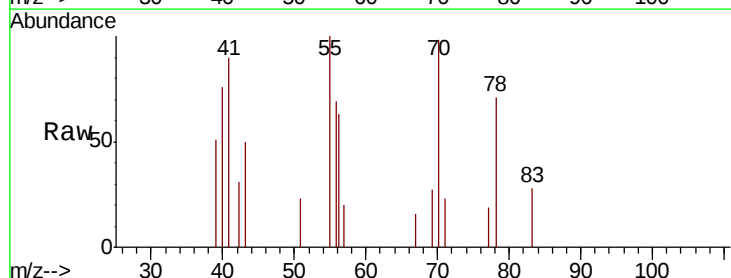


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

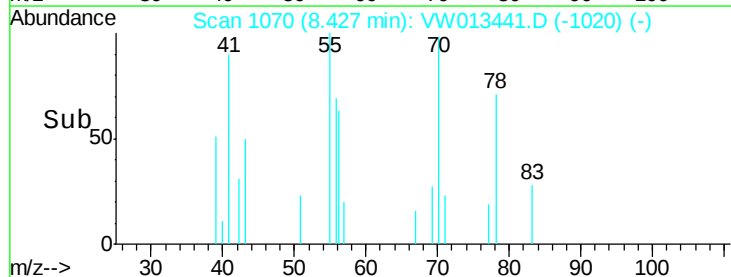
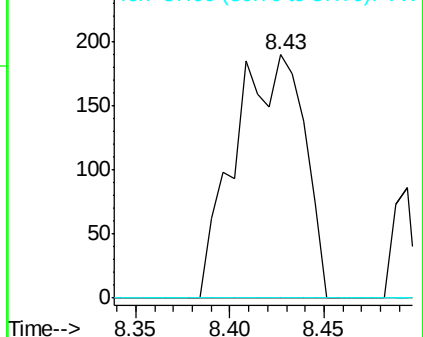


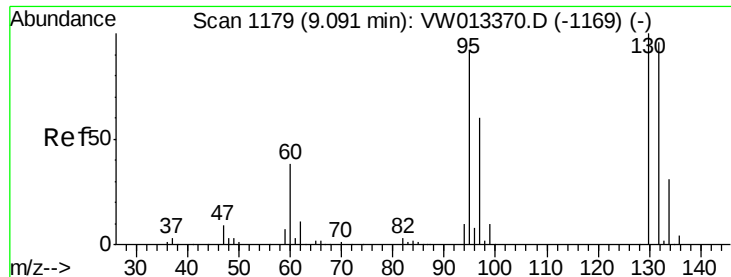
#43
Isopropyl Acetate
Concen: 6.932 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VW013441.D
Acq: 04 Oct 2019 16:11

Tgt Ion:	43	Resp:	484
Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.5	38.3#
87	0.0	11.0	16.4#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW

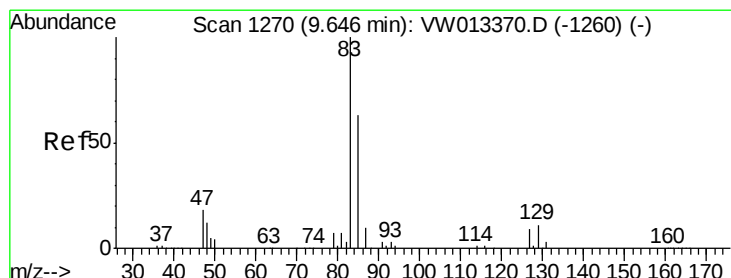
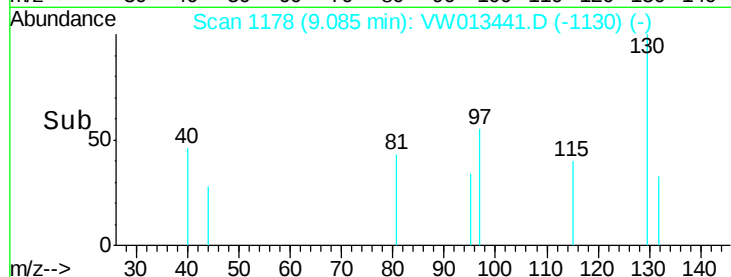
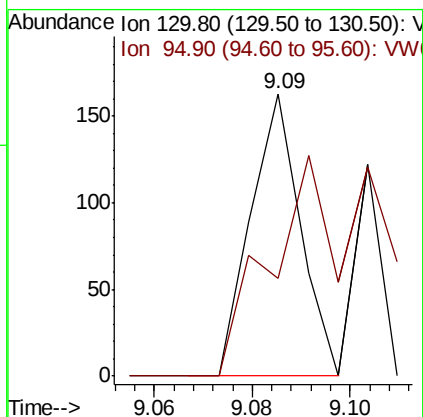
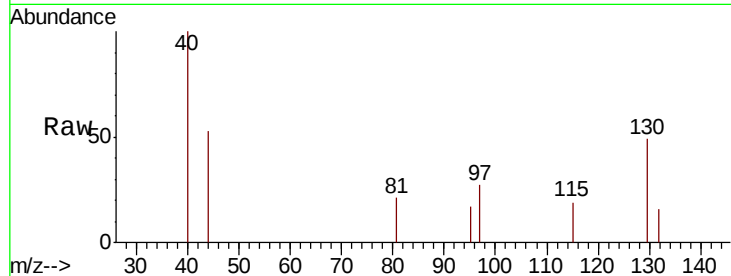




#44
 Trichloroethene
 Concen: 1.701 ug/l
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW013441.D
 Acq: 04 Oct 2019 16:11

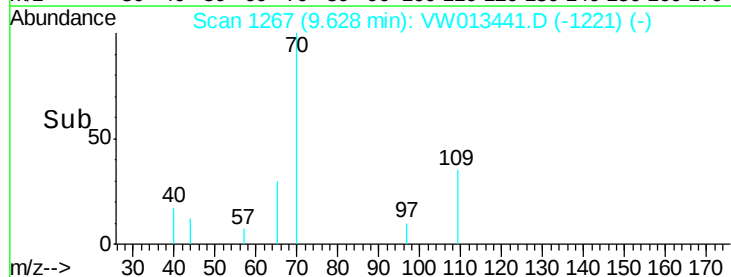
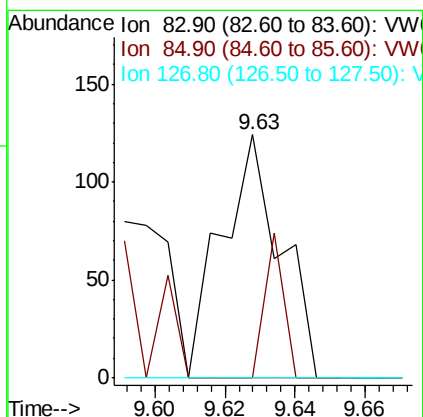
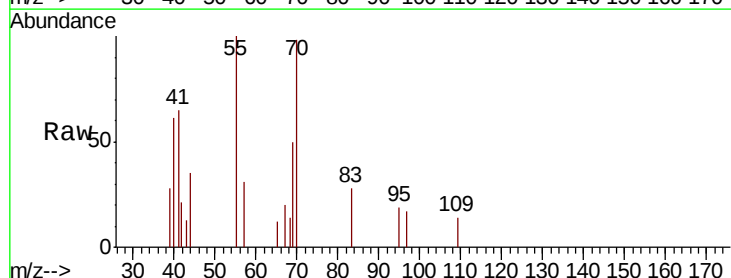
Instrument :
 MSVOA_W
 ClientSampled :
 S-3(0-5)

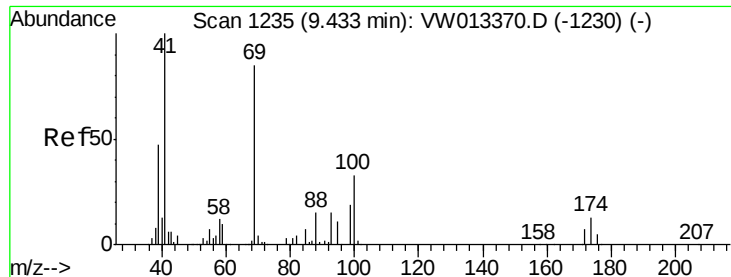
Tot Ion:130 Resp: 114
 Ion Ratio Lower Upper
 130 100
 95 34.4 0.0 188.0



#47
 Bromodichloromethane
 Concen: 2.084 ug/l
 RT: 9.63 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: VW013441.D
 Acq: 04 Oct 2019 16:11

Tgt Ion: 83 Resp: 146
 Ion Ratio Lower Upper
 83 100
 85 0.0 49.4 74.2#
 127 0.0 6.5 9.7#

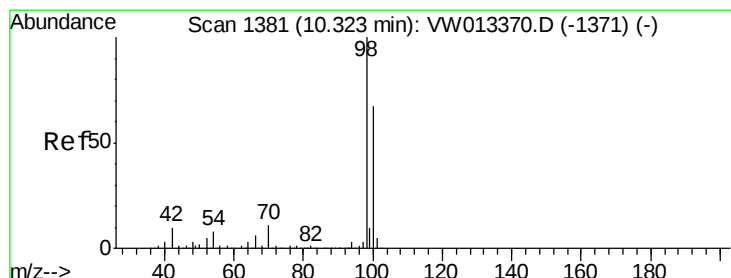
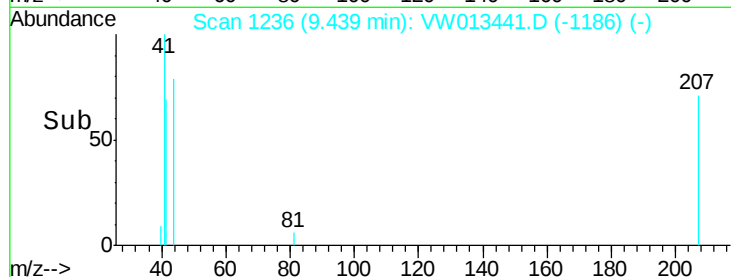
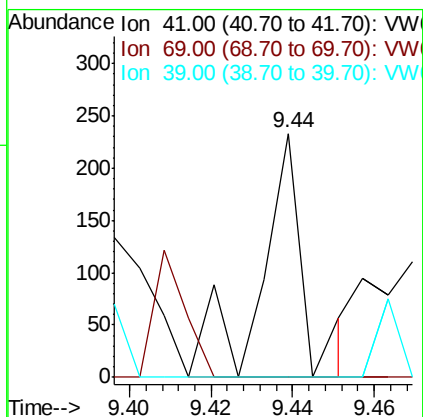
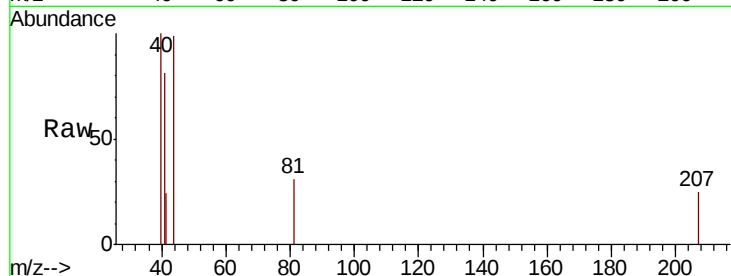




#48
Methvl methacrylate
Concen: 5.157 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW013441.D
Acq: 04 Oct 2019 16:11

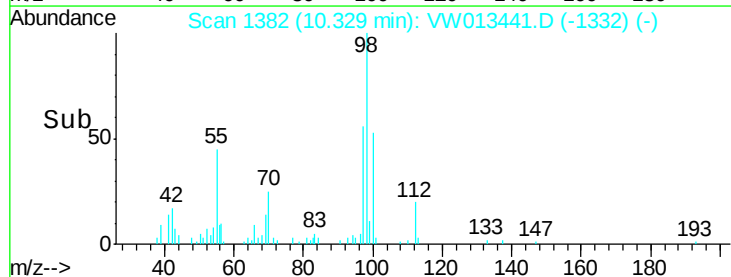
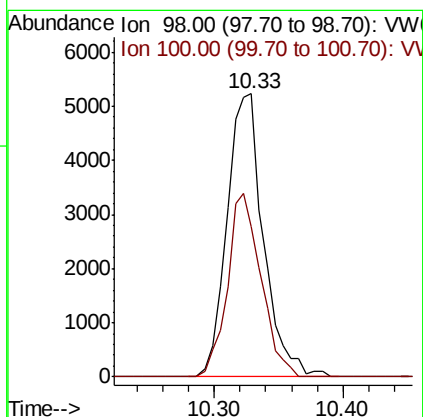
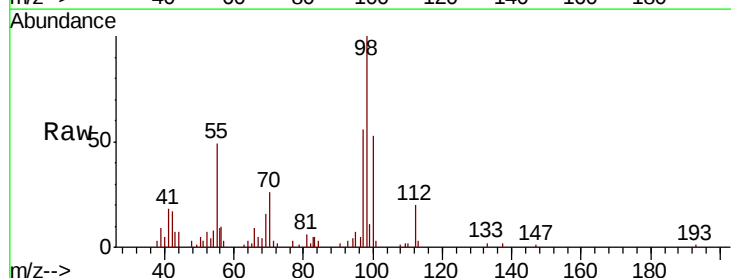
Instrument :
MSVOA_W
ClientSampled :
S-3(0-5)

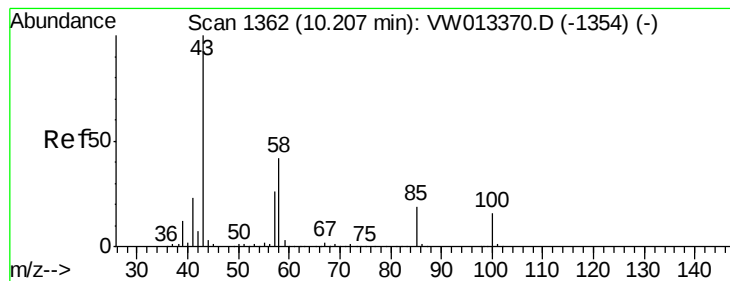
Tot Ion: 41 Resp: 173
Ion Ratio Lower Upper
41 100
69 0.0 69.7 104.5#
39 0.0 41.1 61.7#



#50
Toluene-d8
Concen: 52.414 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW013441.D
Acq: 04 Oct 2019 16:11

Tgt Ion: 98 Resp: 10329
Ion Ratio Lower Upper
98 100
100 59.3 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 12.676 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_W

ClientSampled :

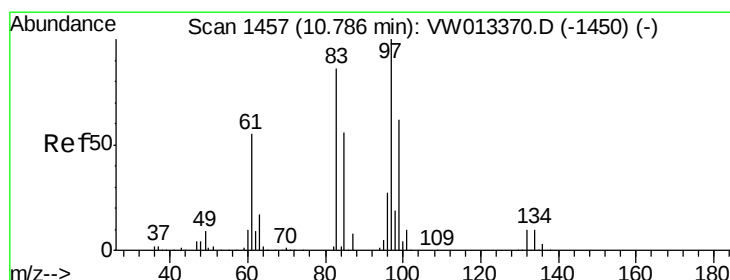
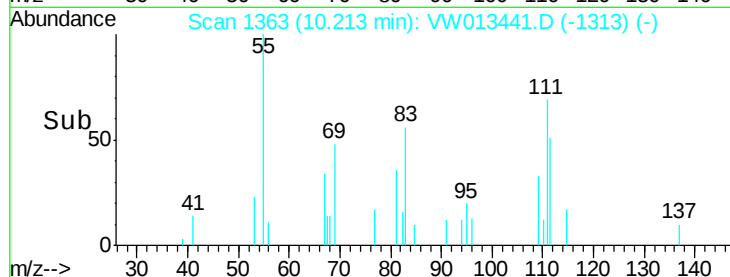
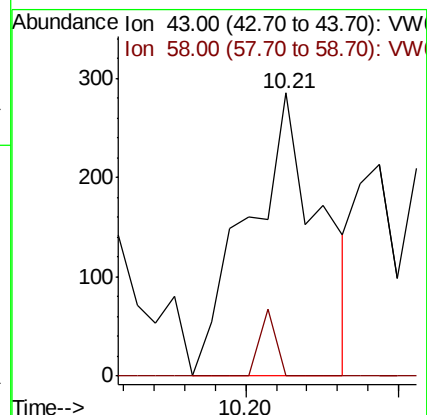
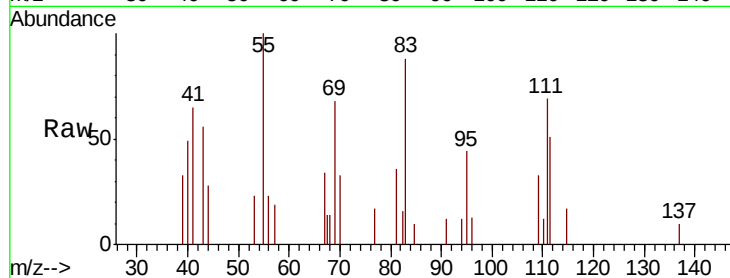
S-3(0-5)

Tot Ion: 43 Resp: 465

Ion Ratio Lower Upper

43 100

58 5.4 31.7 47.5#



#55

1,1,2-Trichloroethane

Concen: 127.443 ug/l

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Tgt Ion: 97 Resp: 5410

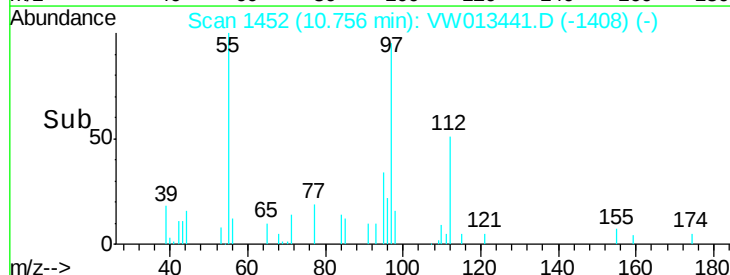
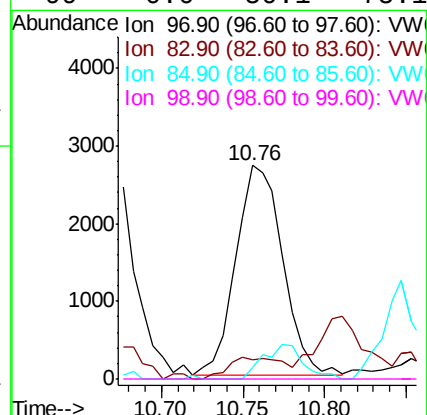
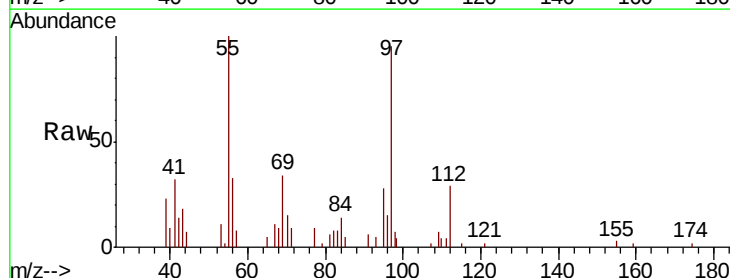
Ion Ratio Lower Upper

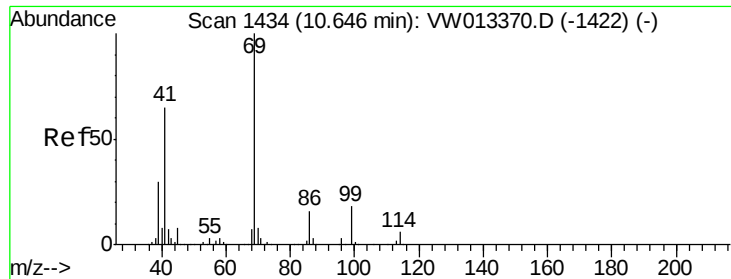
97 100

83 9.1 67.6 101.4#

85 5.7 41.9 62.9#

99 0.0 50.1 75.1#





#56

Ethyl methacrylate

Concen: 39.238 ug/l

RT: 10.66 min Scan# 1437

Delta R.T. 0.02 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_W

ClientSampled :

S-3(0-5)

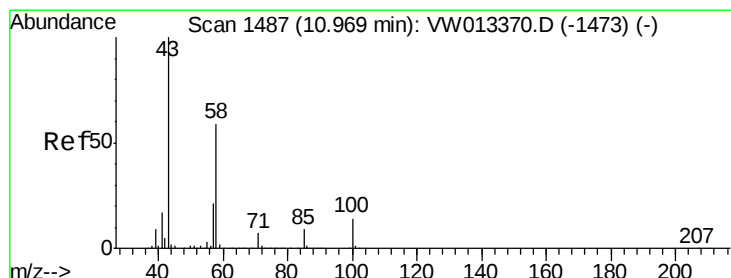
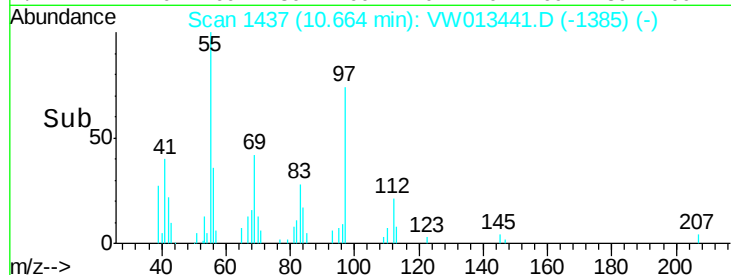
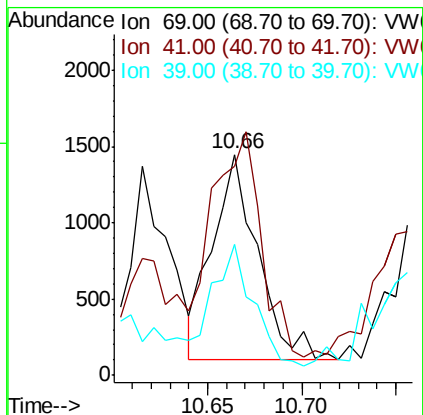
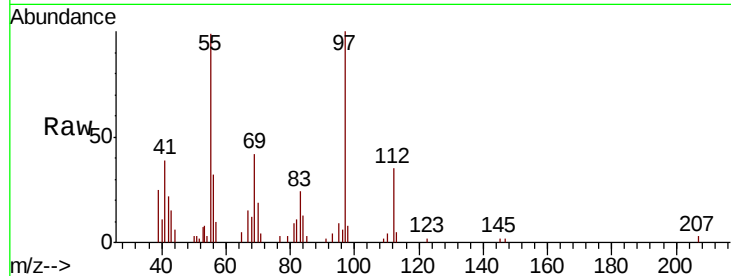
Tot Ion: 69 Resp: 2242

Ion Ratio Lower Upper

69 100

41 117.5 53.9 80.9#

39 57.2 23.8 35.6#



#59

2-Hexanone

Concen: 257.090 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW013441.D

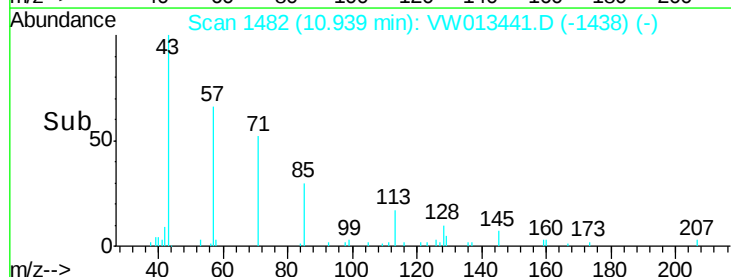
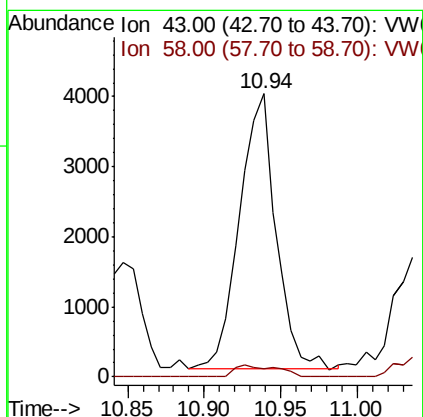
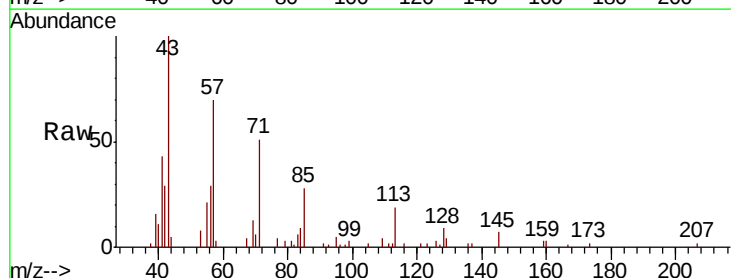
Acq: 04 Oct 2019 16:11

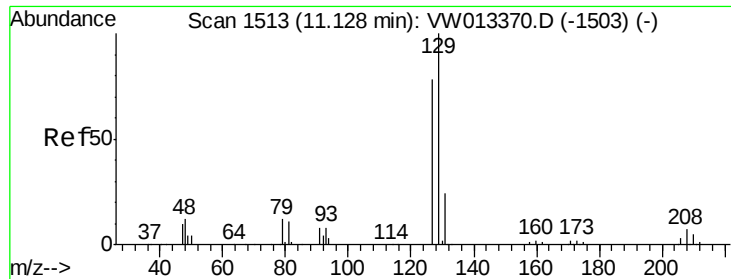
Tgt Ion: 43 Resp: 6537

Ion Ratio Lower Upper

43 100

58 5.0 28.1 84.2#





#60

Dibromochloromethane

Concen: 4.427 ug/l

RT: 11.16 min Scan# 1519

Delta R.T. 0.04 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

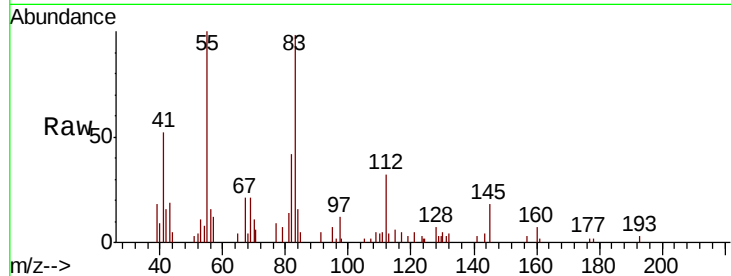
S-3(0-5)

Tot Ion:129 Resp: 215

Ion Ratio Lower Upper

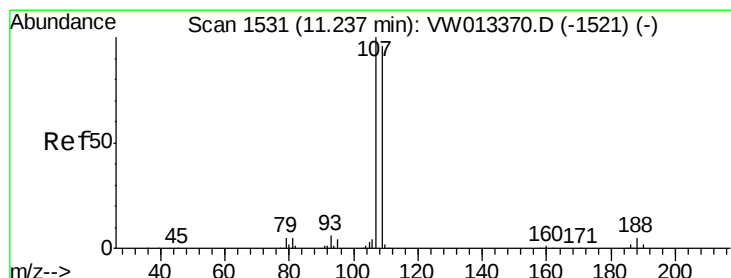
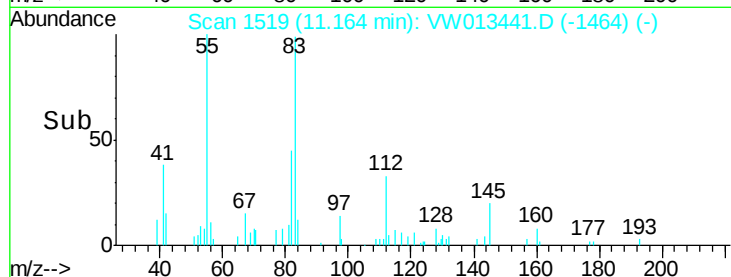
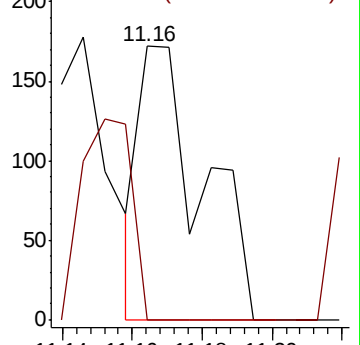
129 100

127 59.5 38.8 116.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 1.706 ug/l

RT: 11.40 min Scan# 1557

Delta R.T. 0.16 min

Lab File: VW013441.D

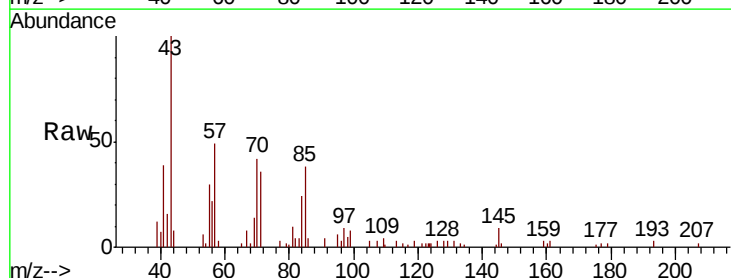
Acq: 04 Oct 2019 16:11

Tgt Ion:107 Resp: 70

Ion Ratio Lower Upper

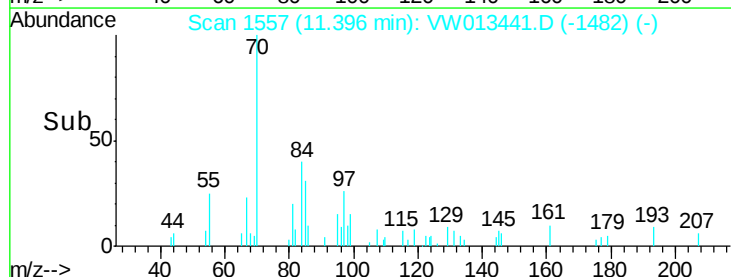
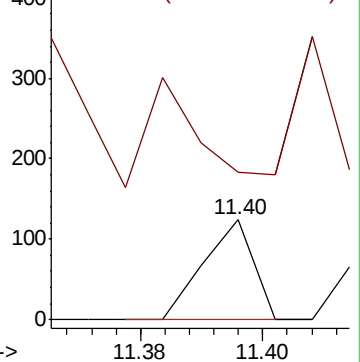
107 100

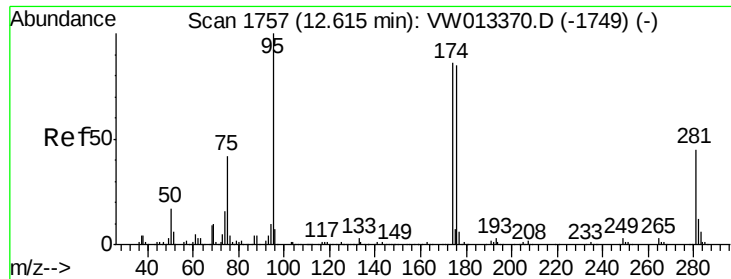
109 94.3 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

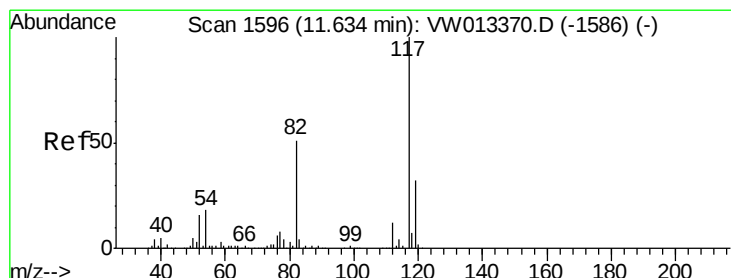
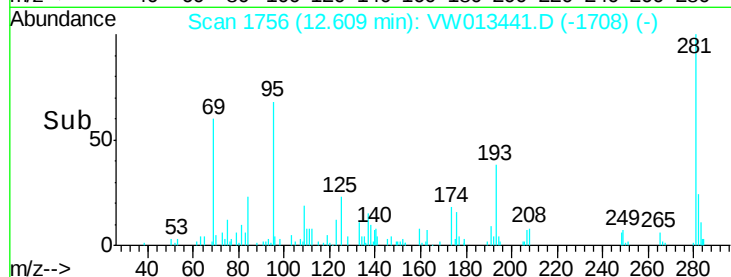
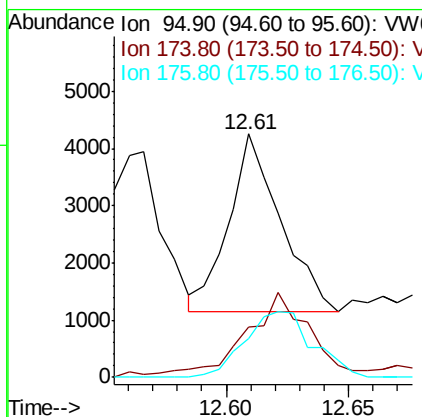
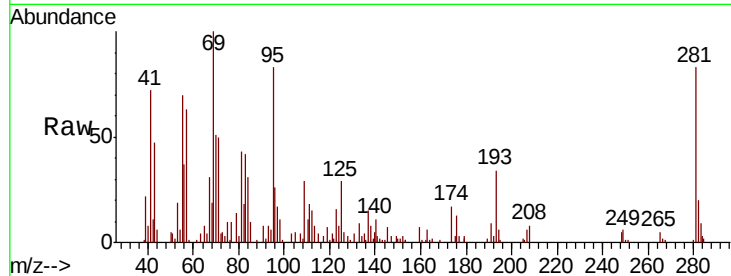




#62
4-Bromofluorobenzene
Concen: 69.385 ug/l
RT: 12.61 min Scan# 1756
Delta R.T. -0.01 min
Lab File: VW013441.D
Acq: 04 Oct 2019 16:11

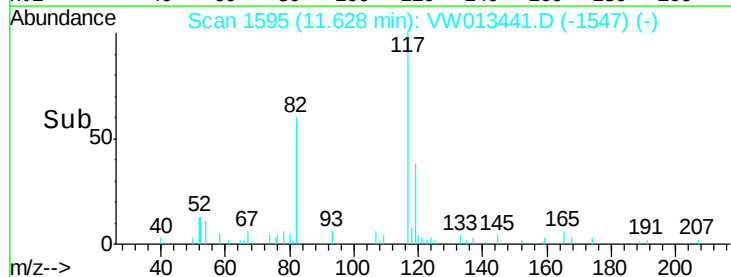
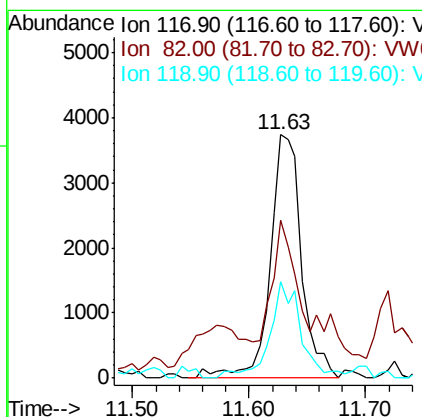
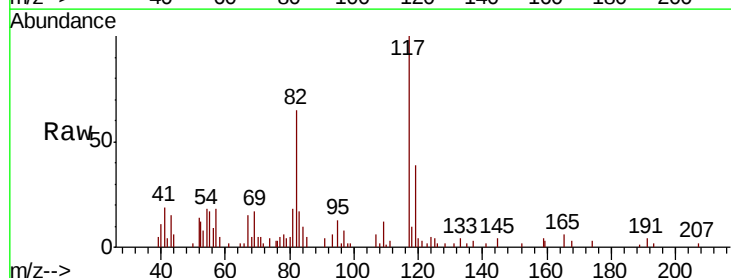
Instrument :
MSVOA_W
ClientSampled :
S-3(0-5)

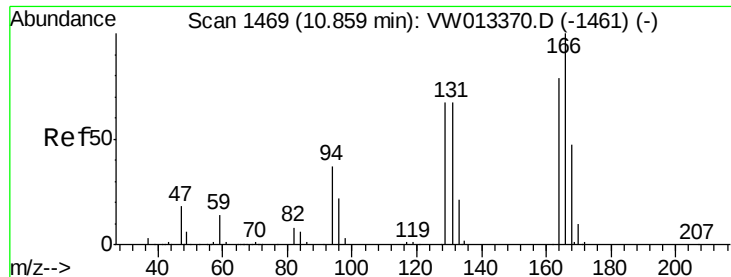
Tot Ion: 95 Resp: 4566
Ion Ratio Lower Upper
95 100
174 60.6 0.0 178.4
176 48.9 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013441.D
Acq: 04 Oct 2019 16:11

Tgt Ion: 117 Resp: 6941
Ion Ratio Lower Upper
117 100
82 53.6 45.9 68.9
119 36.7 26.2 39.2





#64

Tetrachloroethene

Concen: 36.492 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

S-3(0-5)

Tot Ion:164 Resp: 1927

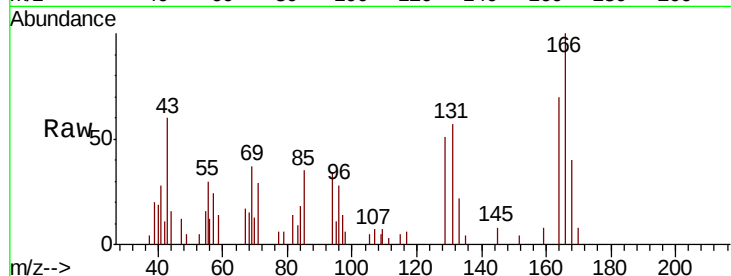
Ion Ratio Lower Upper

164 100

166 143.8 101.2 151.8

129 72.9 68.8 103.2

131 81.7 65.2 97.8



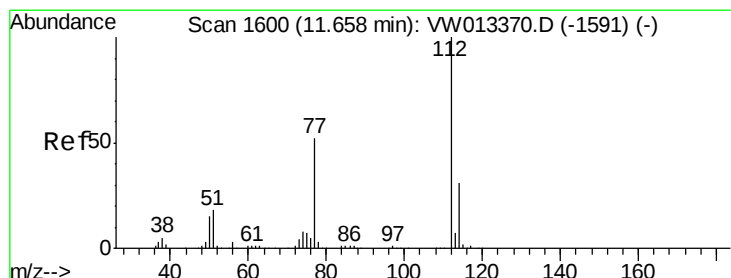
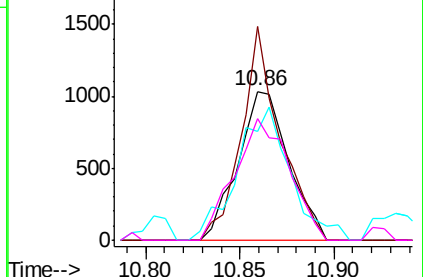
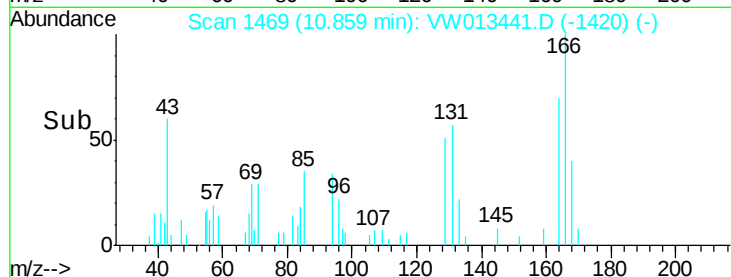
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#65

Chlorobenzene

Concen: 1.505 ug/l

RT: 11.56 min Scan# 1584

Delta R.T. -0.10 min

Lab File: VW013441.D

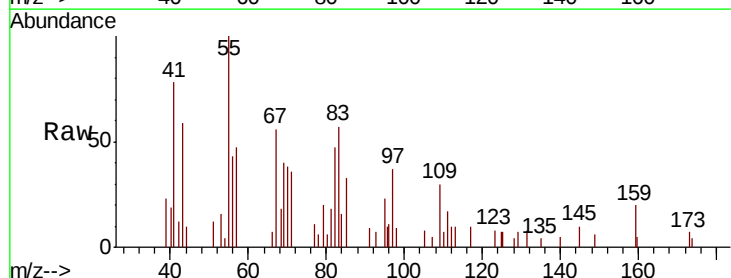
Acq: 04 Oct 2019 16:11

Tgt Ion:112 Resp: 214

Ion Ratio Lower Upper

112 100

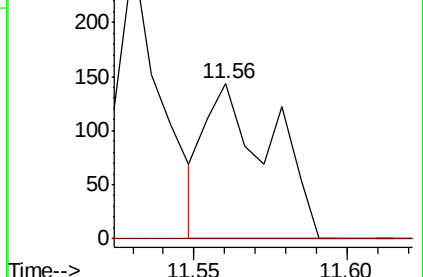
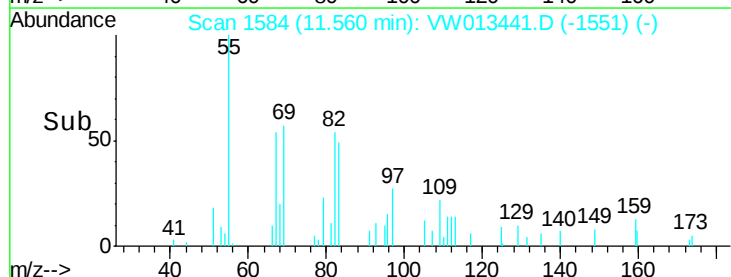
114 0.0 26.5 39.7#

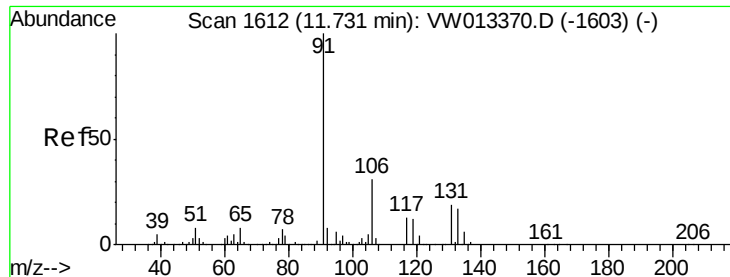


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

Time-->

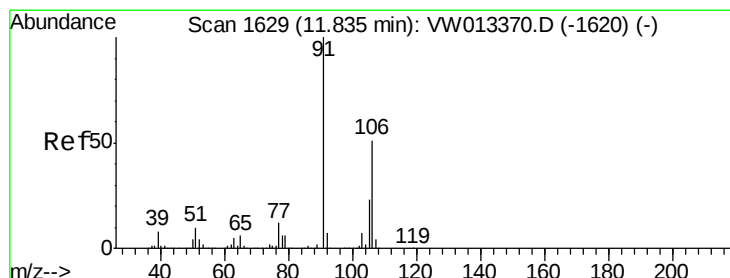
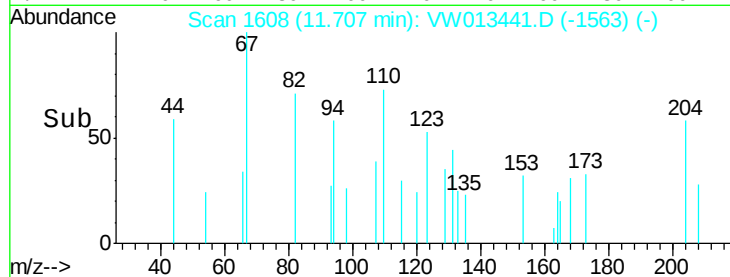
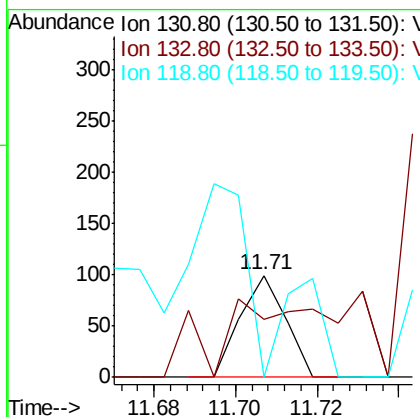
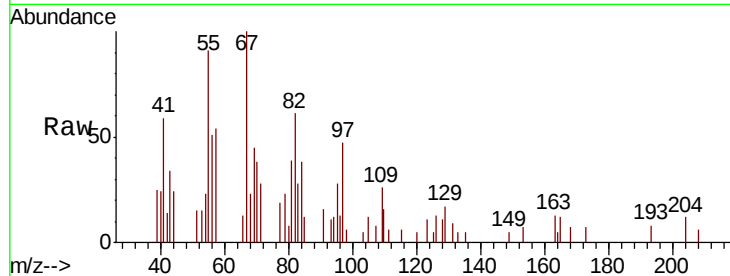




#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.569 ug/l
 RT: 11.71 min Scan# 1608
 Delta R.T. -0.02 min
 Lab File: VW013441.D
 Acq: 04 Oct 2019 16:11

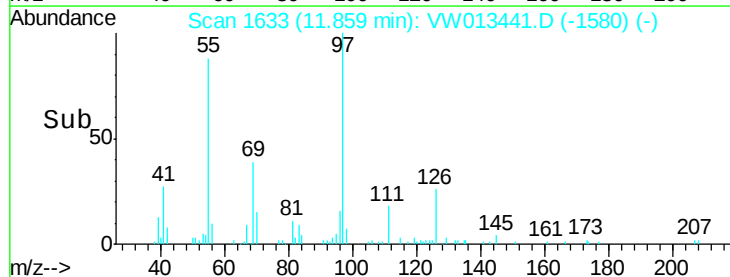
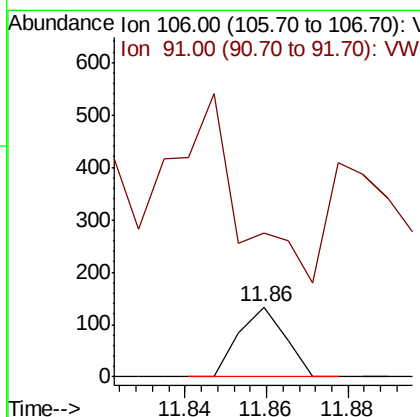
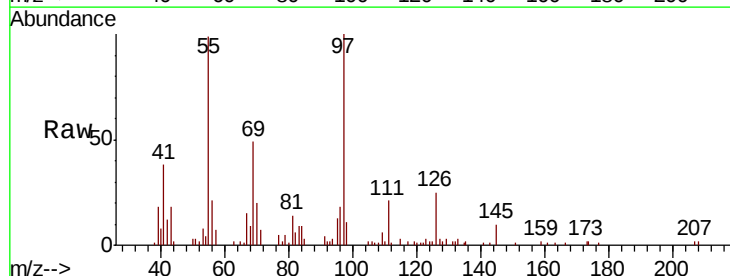
Instrument :
 MSVOA_W
 ClientSampled :
 S-3(0-5)

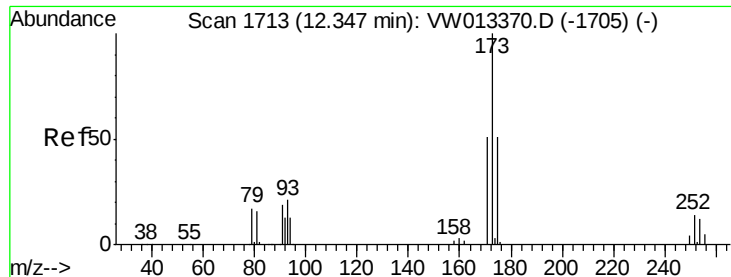
Tot Ion:131 Resp: 76
 Ion Ratio Lower Upper
 131 100
 133 126.3 47.5 142.6
 119 314.5 32.5 97.5#



#68
 m/p-Xylenes
 Concen: 1.067 ug/l
 RT: 11.86 min Scan# 1633
 Delta R.T. 0.02 min
 Lab File: VW013441.D
 Acq: 04 Oct 2019 16:11

Tgt Ion:106 Resp: 105
 Ion Ratio Lower Upper
 106 100
 91 504.8 157.9 236.9#





#71

Bromoform

Concen: 4.608 ug/l

RT: 12.37 min Scan# 1717

Delta R.T. 0.02 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_W

ClientSampled :

S-3(0-5)

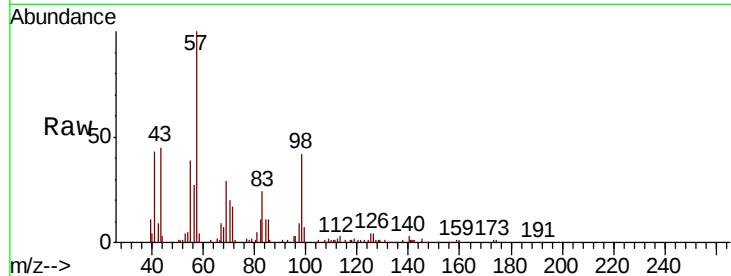
Tot Ion:173 Resp: 121

Ion Ratio Lower Upper

173 100

175 217.4 24.3 73.0#

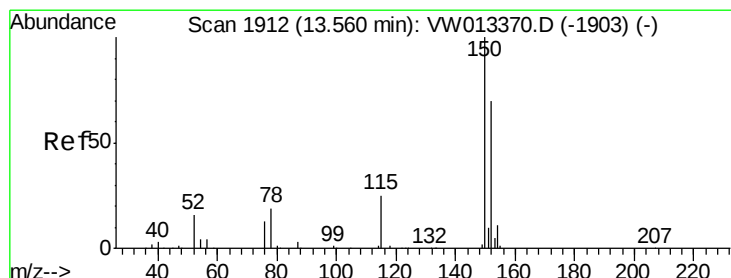
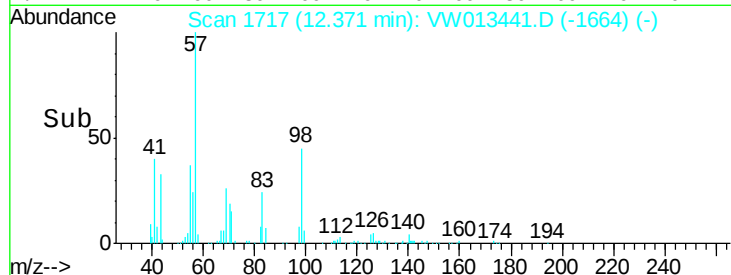
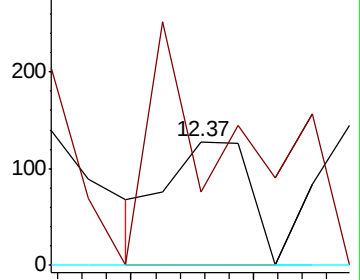
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

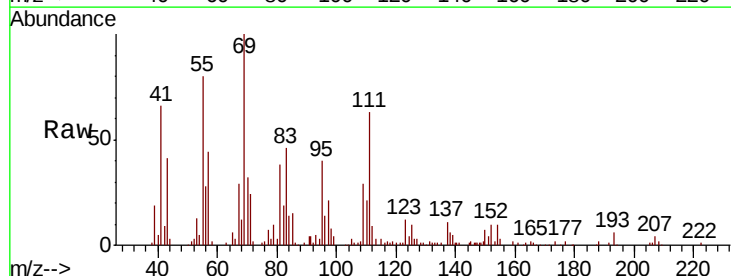
Tgt Ion:152 Resp: 2743

Ion Ratio Lower Upper

152 100

115 51.5 27.3 81.9

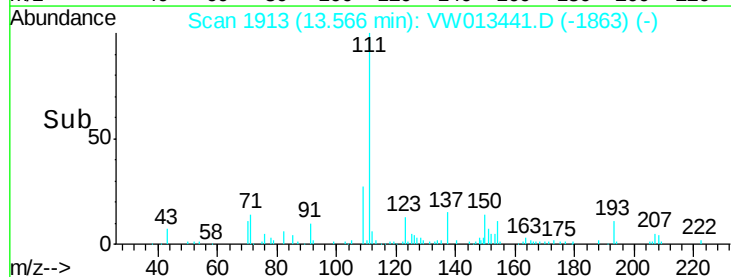
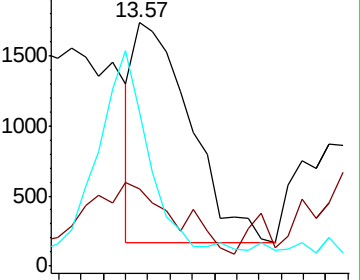
150 88.7 0.0 349.0

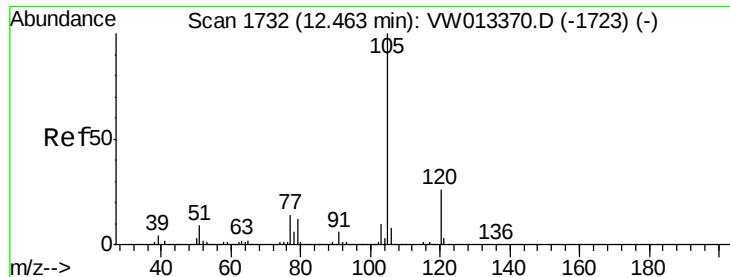


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.972 ug/l

RT: 12.47 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

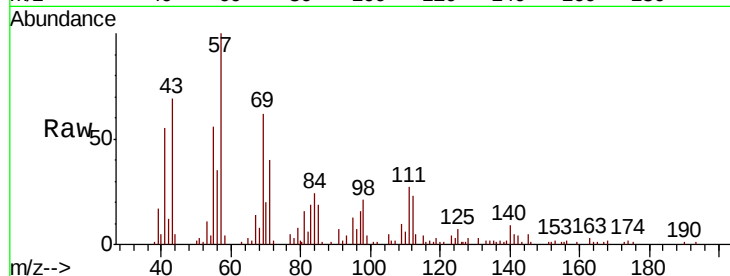
S-3(0-5)

Tot Ion:105 Resp: 797

Ion Ratio Lower Upper

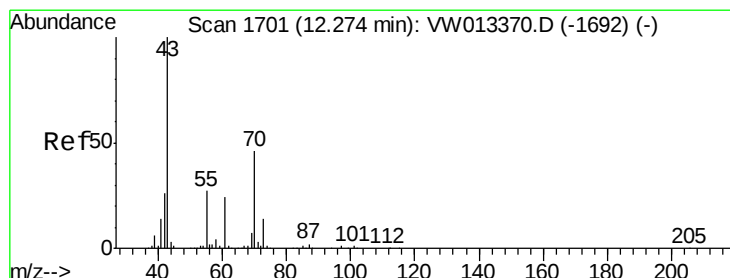
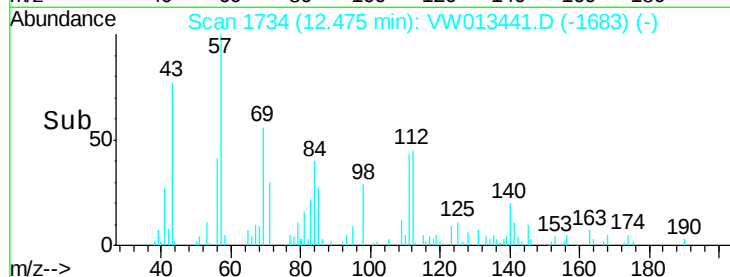
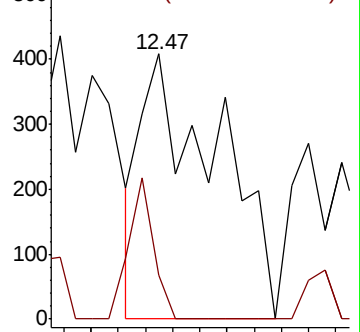
105 100

120 17.4 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 606.215 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Tgt Ion: 43 Resp: 25886

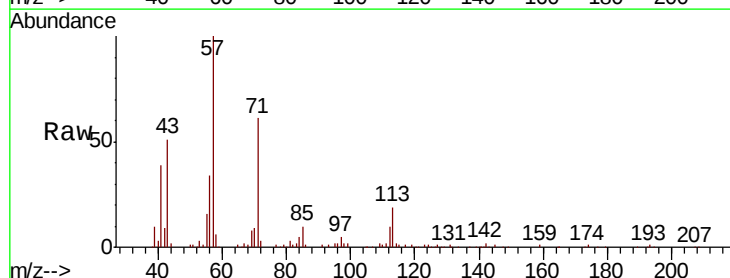
Ion Ratio Lower Upper

43 100

70 12.6 35.1 52.7#

55 0.0 19.9 29.9#

61 0.0 19.5 29.3#

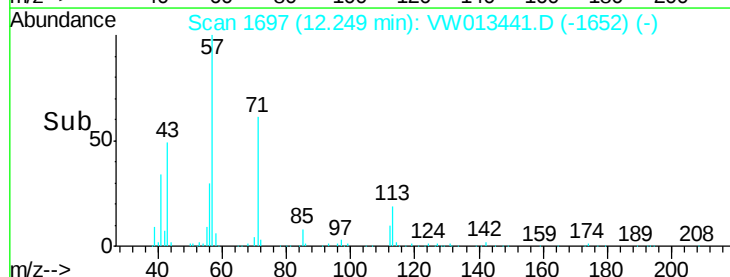
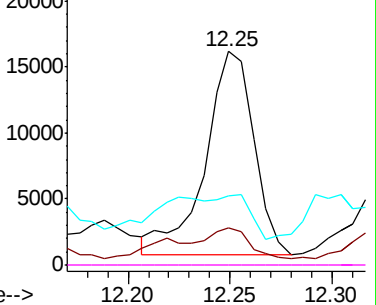


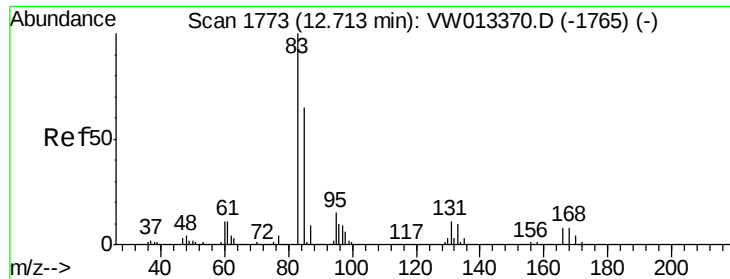
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 138.720 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.03 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

S-3(0-5)

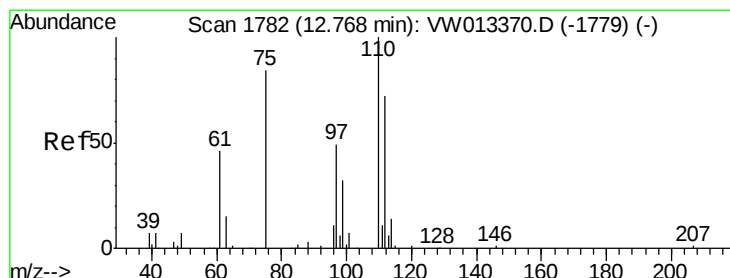
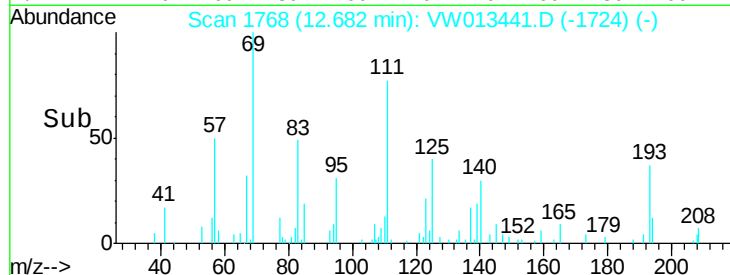
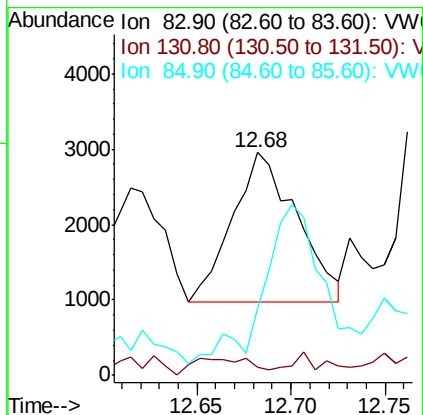
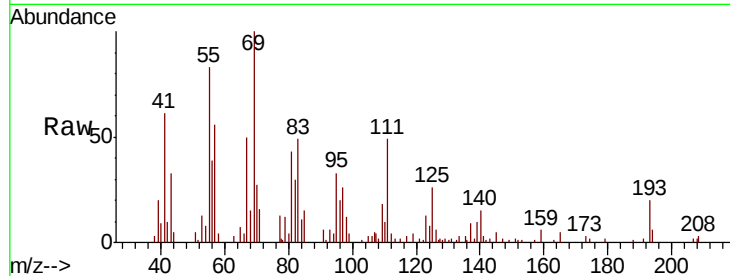
Tot Ion: 83 Resp: 4711

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

85 0.0 31.9 95.9#



#76

1,2,3-Trichloropropane

Concen: 3.117 ug/l

RT: 12.83 min Scan# 1792

Delta R.T. 0.06 min

Lab File: VW013441.D

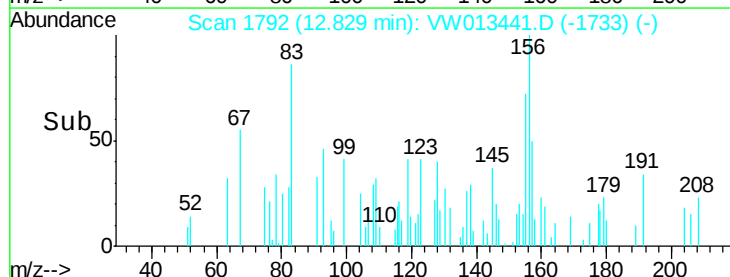
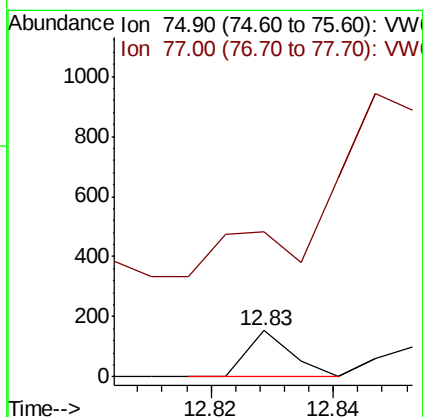
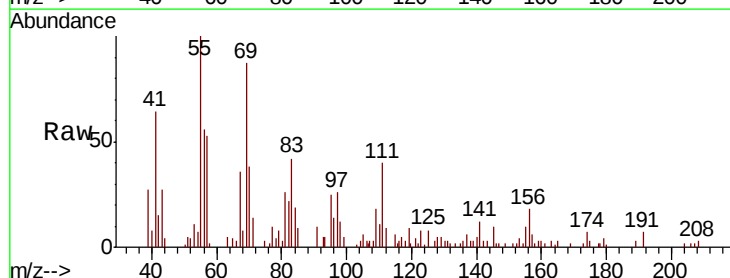
Acq: 04 Oct 2019 16:11

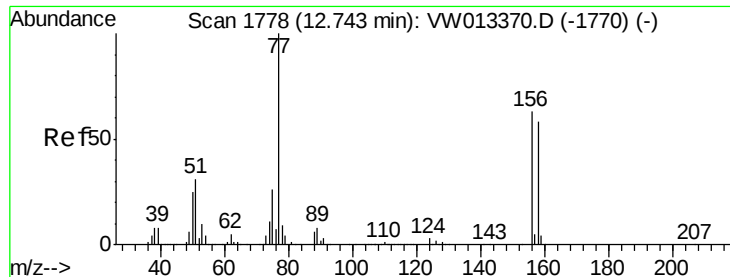
Tgt Ion: 75 Resp: 76

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

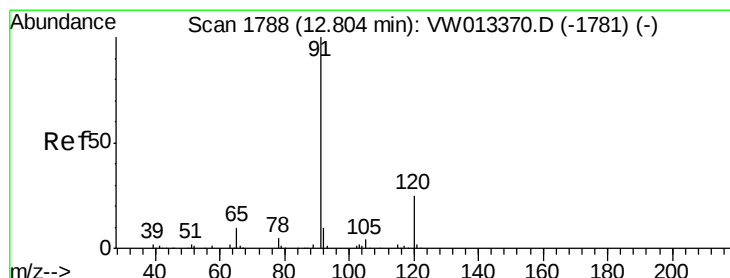
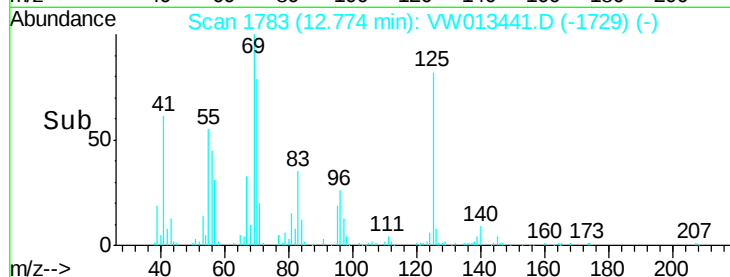
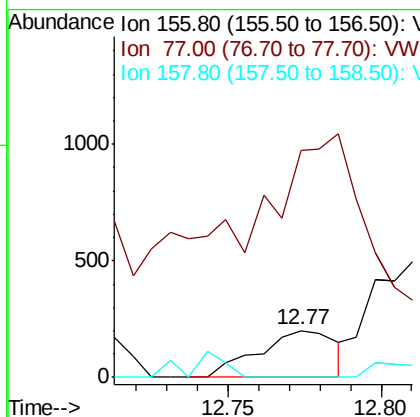
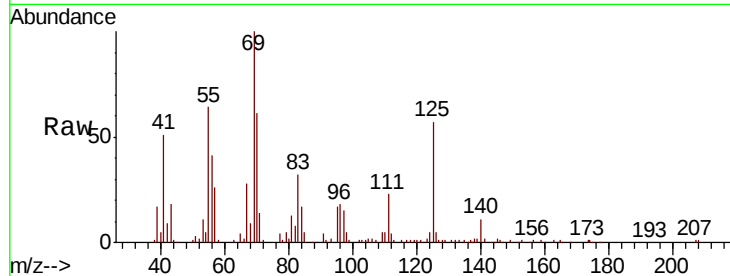




#77
Bromobenzene
Concen: 7.327 ug/l
RT: 12.77 min Scan# 1783
Delta R.T. 0.03 min
Lab File: VW013441.D
Acq: 04 Oct 2019 16:11

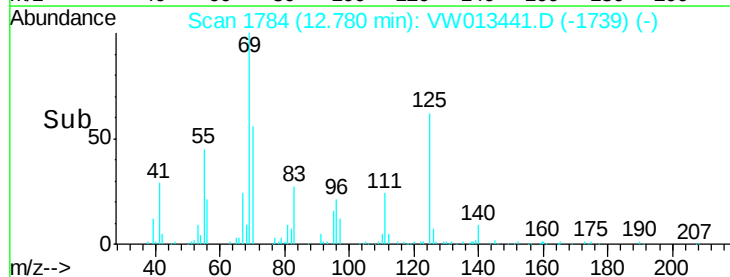
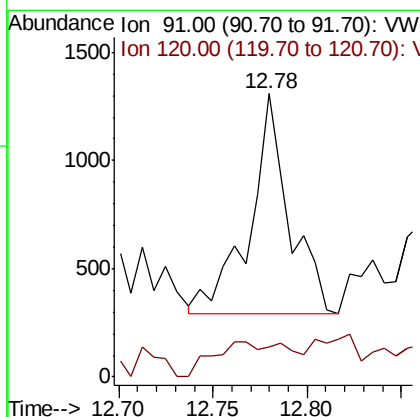
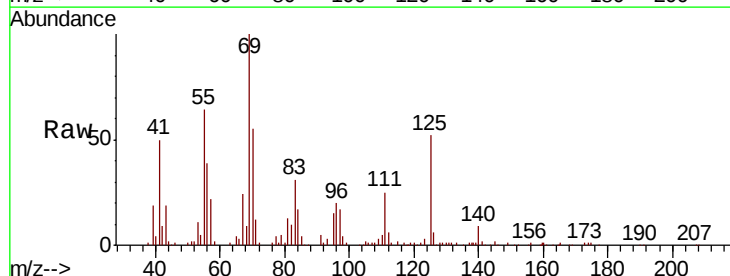
Instrument :
MSVOA_W
ClientSampled :
S-3(0-5)

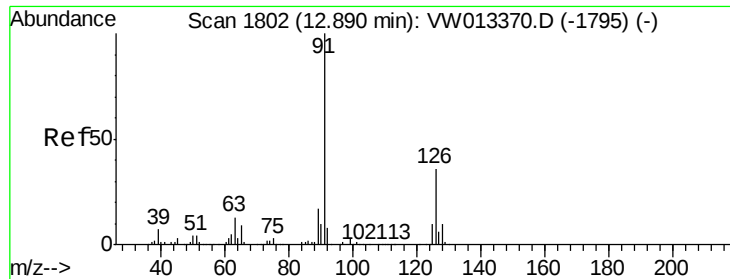
Tot Ion:156 Resp: 353
Ion Ratio Lower Upper
156 100
77 500.6 85.7 257.1#
158 0.0 48.1 144.4#



#78
n-propylbenzene
Concen: 6.452 ug/l
RT: 12.78 min Scan# 1784
Delta R.T. -0.02 min
Lab File: VW013441.D
Acq: 04 Oct 2019 16:11

Tgt Ion: 91 Resp: 1489
Ion Ratio Lower Upper
91 100
120 31.0 11.7 35.1





#79

2-Chlorotoluene

Concen: 8.238 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

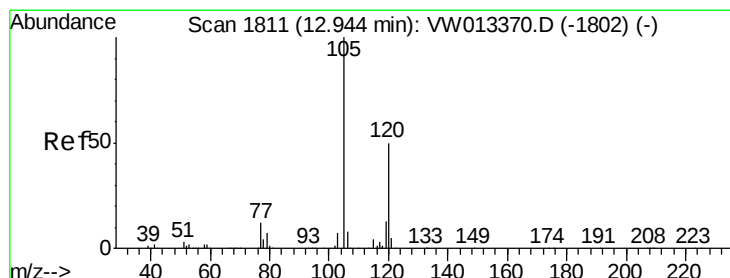
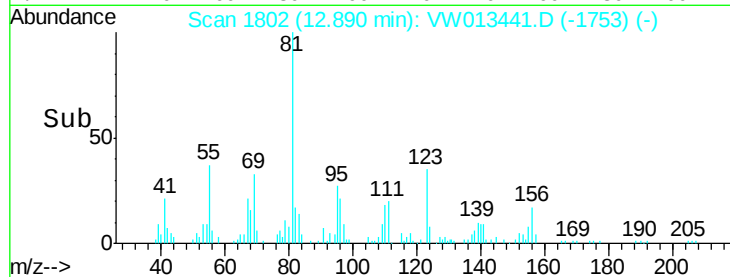
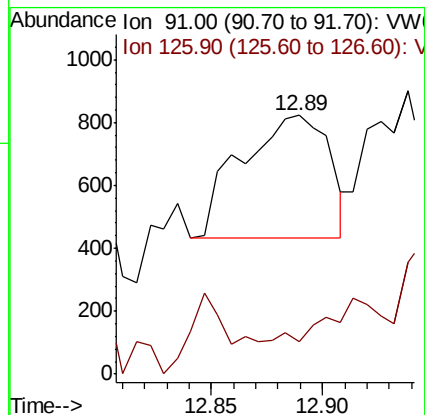
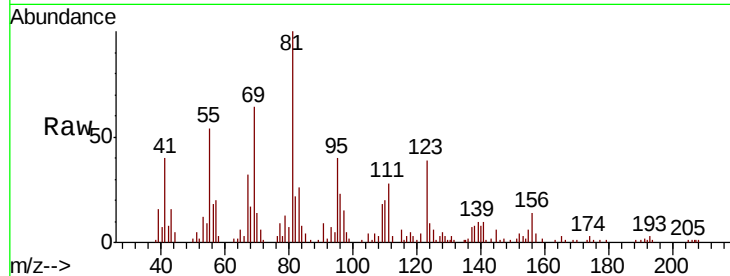
S-3(0-5)

Tot Ion: 91 Resp: 1056

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.5#



#80

1,3,5-Trimethylbenzene

Concen: 16.751 ug/l

RT: 13.10 min Scan# 1837

Delta R.T. 0.16 min

Lab File: VW013441.D

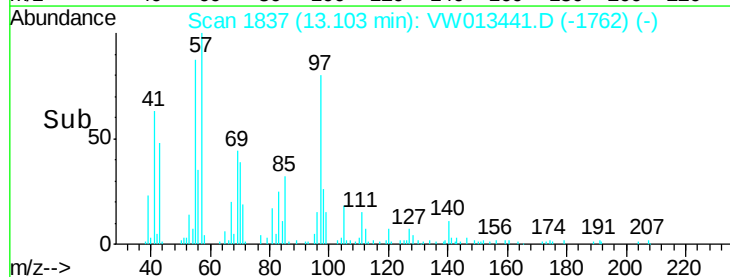
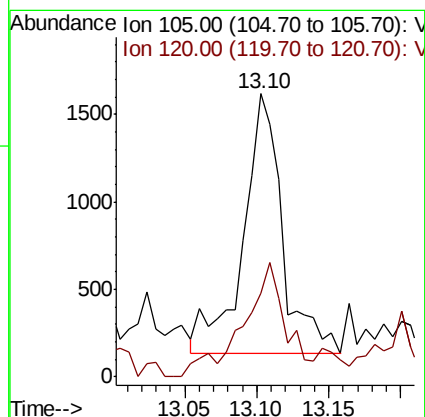
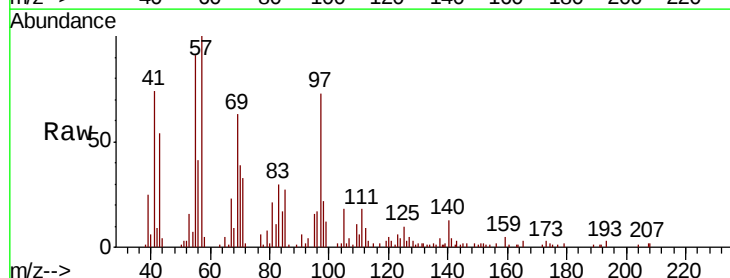
Acq: 04 Oct 2019 16:11

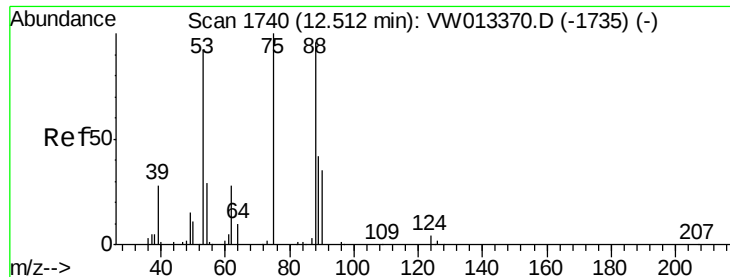
Tgt Ion: 105 Resp: 2792

Ion Ratio Lower Upper

105 100

120 48.0 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 9.873 ug/l

RT: 12.43 min Scan# 1726

Delta R.T. -0.08 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_W

ClientSampled :

S-3(0-5)

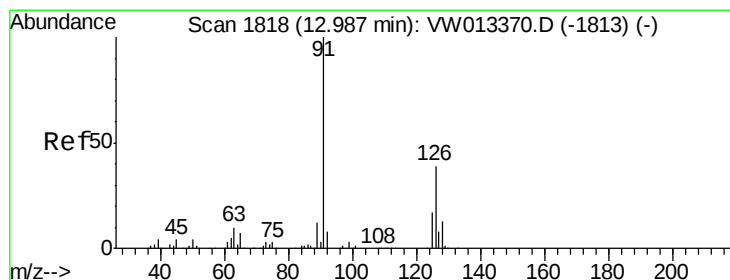
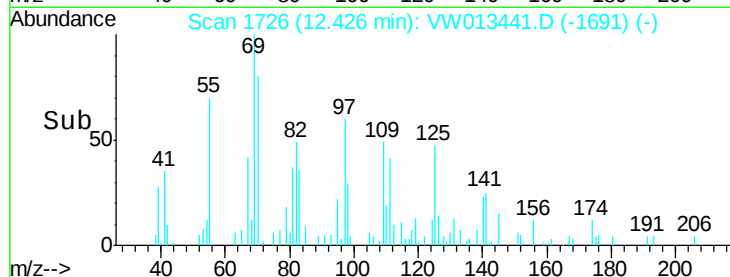
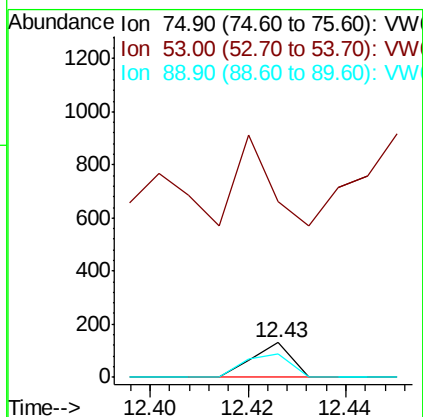
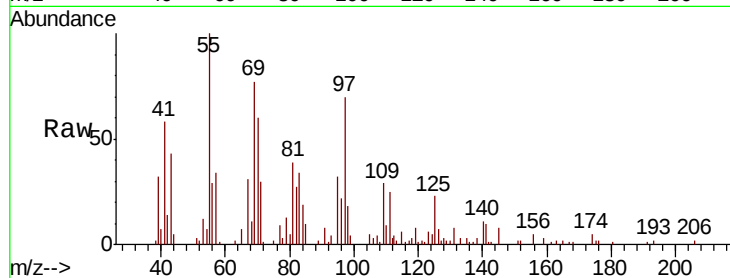
Tot Ion: 75 Resp: 71

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 80.3 33.5 50.3#



#82

4-Chlorotoluene

Concen: 3.172 ug/l

RT: 12.97 min Scan# 1815

Delta R.T. -0.02 min

Lab File: VW013441.D

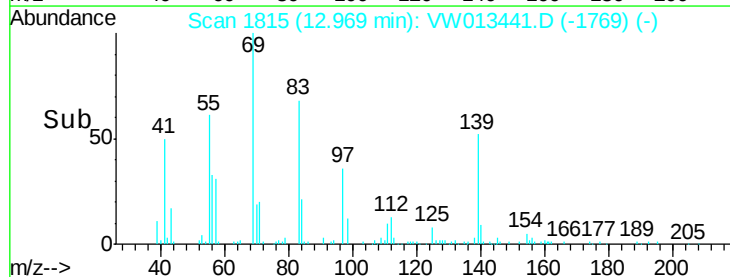
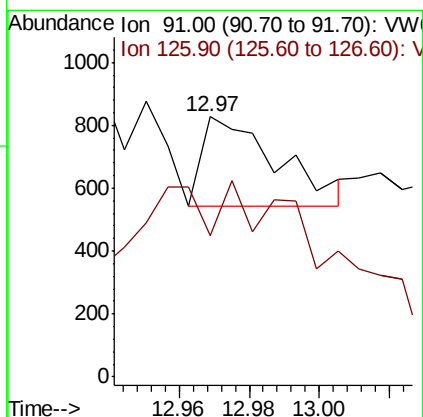
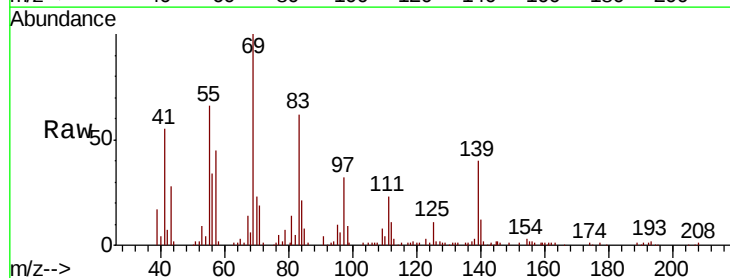
Acq: 04 Oct 2019 16:11

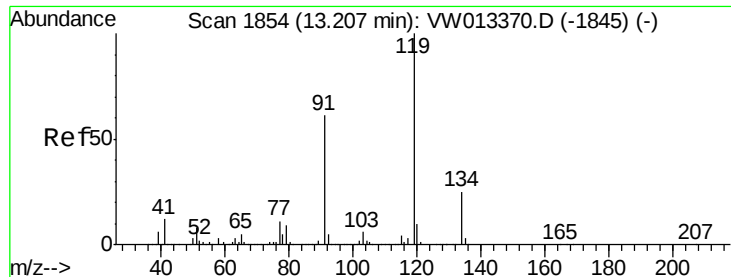
Tgt Ion: 91 Resp: 426

Ion Ratio Lower Upper

91 100

126 168.5 17.3 51.7#





#83

tert-Butylbenzene

Concen: 7.721 ug/l

RT: 13.19 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_W

ClientSampled :

S-3(0-5)

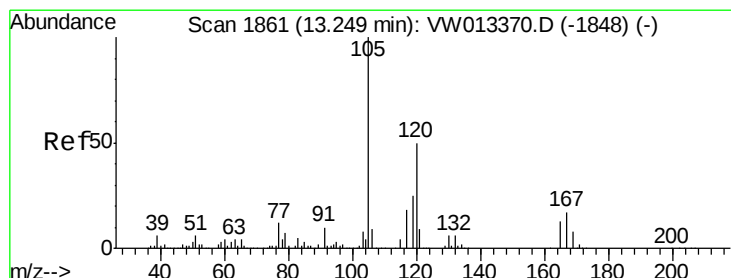
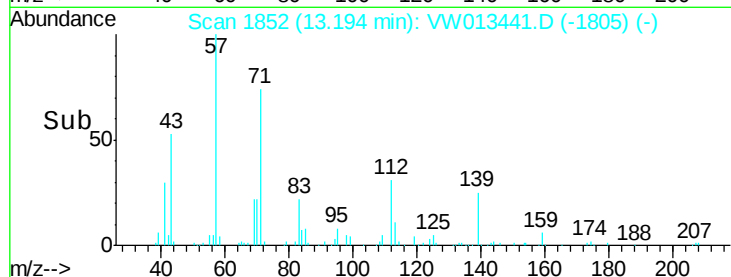
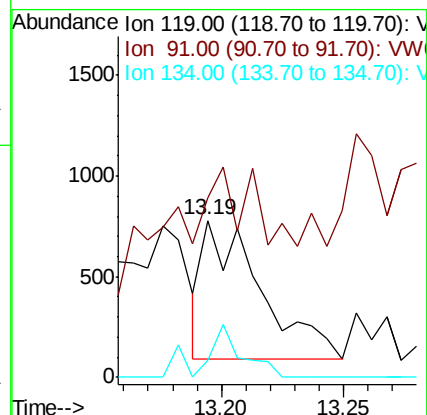
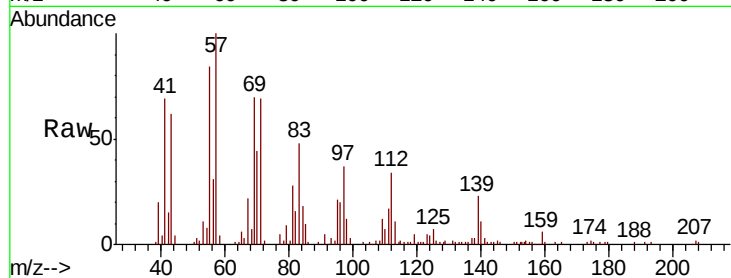
Tot Ion:119 Resp: 1124

Ion Ratio Lower Upper

119 100

91 148.2 30.7 92.1#

134 25.2 12.6 37.6



#84

1,2,4-Trimethylbenzene

Concen: 6.572 ug/l

RT: 13.27 min Scan# 1864

Delta R.T. 0.02 min

Lab File: VW013441.D

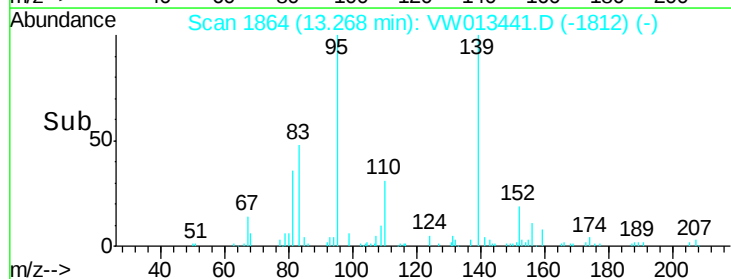
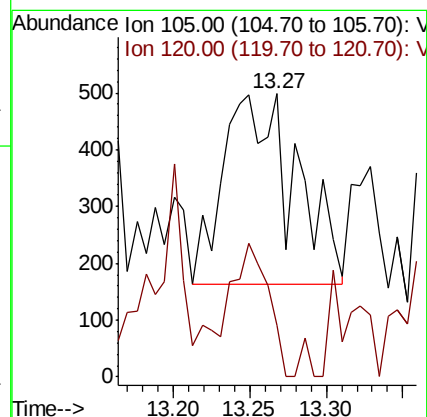
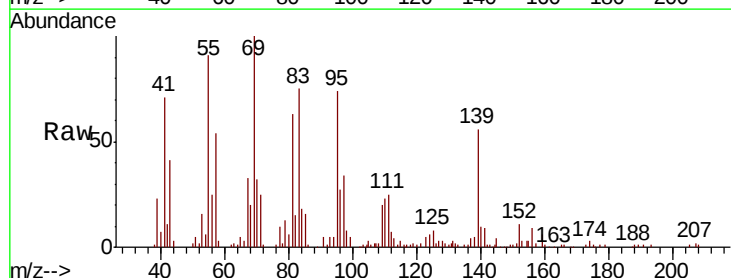
Acq: 04 Oct 2019 16:11

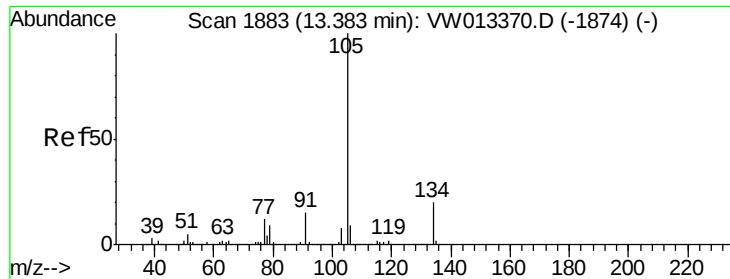
Tgt Ion:105 Resp: 1089

Ion Ratio Lower Upper

105 100

120 36.8 23.4 70.3

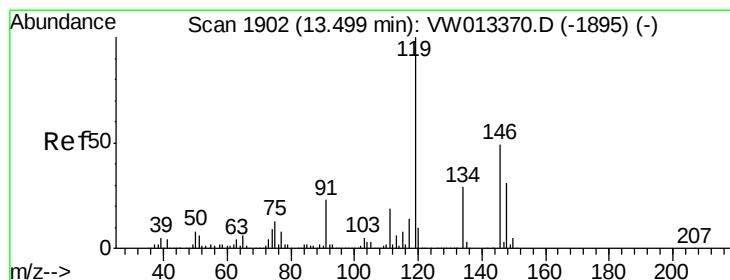
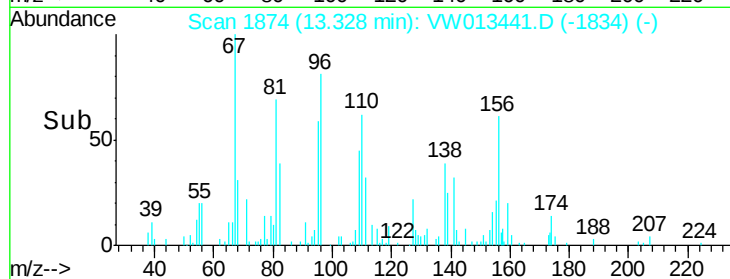
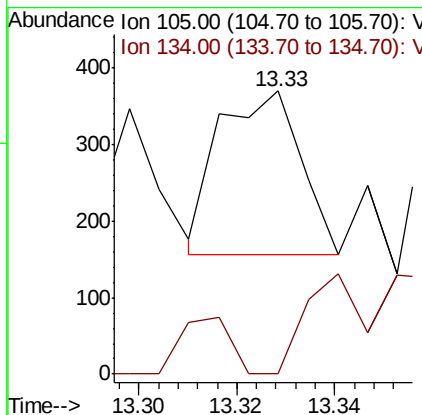
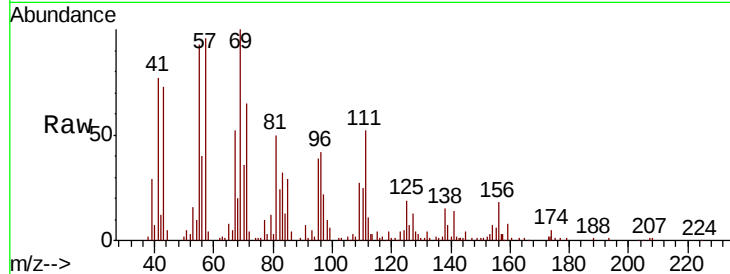




#85
 sec-Butylbenzene
 Concen: 1.226 ug/l
 RT: 13.33 min Scan# 1874
 Delta R.T. -0.05 min
 Lab File: VW013441.D
 Acq: 04 Oct 2019 16:11

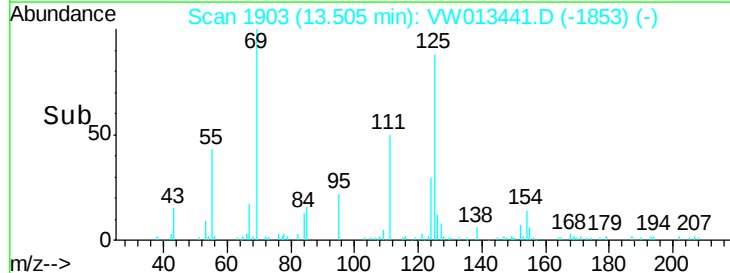
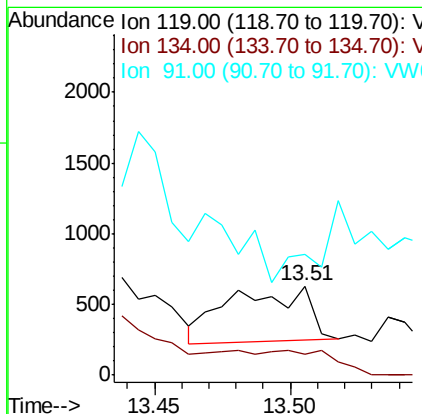
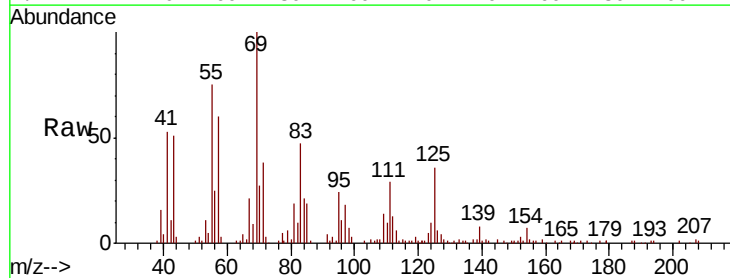
Instrument :
 MSVOA_W
 ClientSampled :
 S-3(0-5)

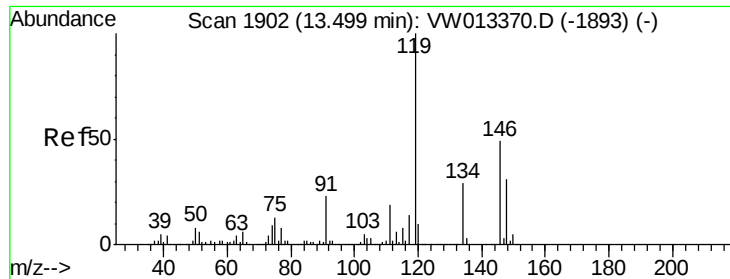
Tot Ion:105 Resp: 246
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 4.204 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW013441.D
 Acq: 04 Oct 2019 16:11

Tgt Ion:119 Resp: 782
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.3 39.8#
 91 82.9 10.8 32.4#

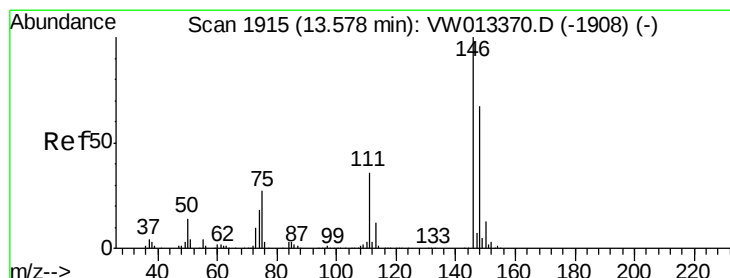
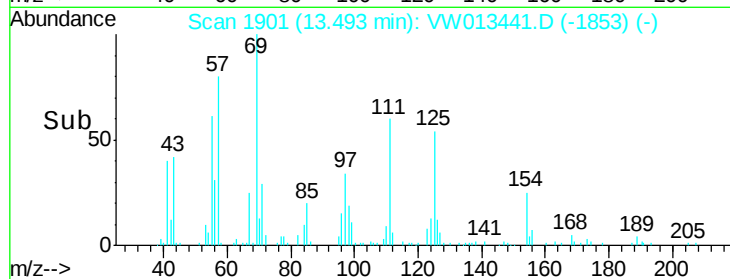
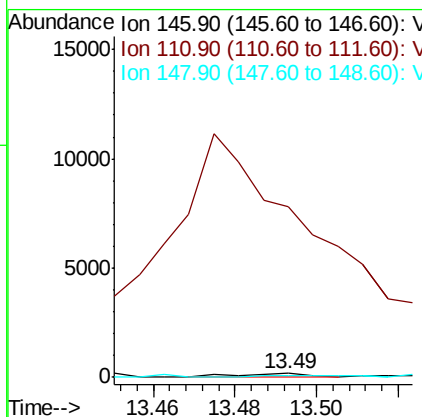
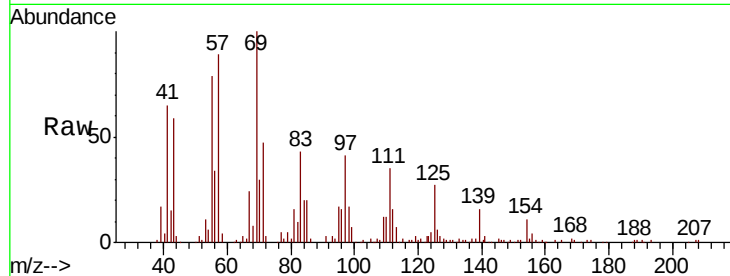




#87
 1,3-Dichlorobenzene
 Concen: 2.582 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW013441.D
 Acq: 04 Oct 2019 16:11

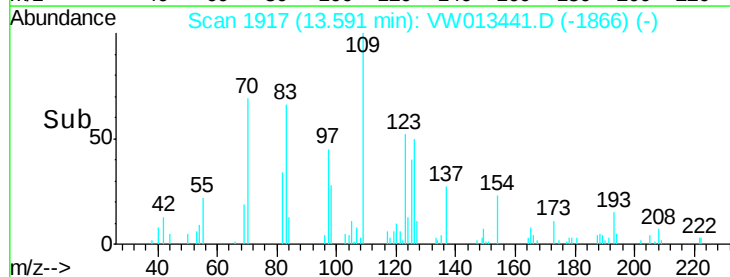
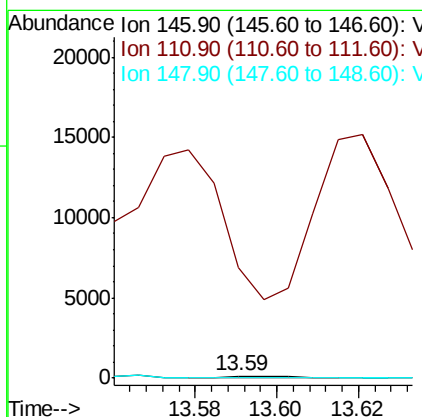
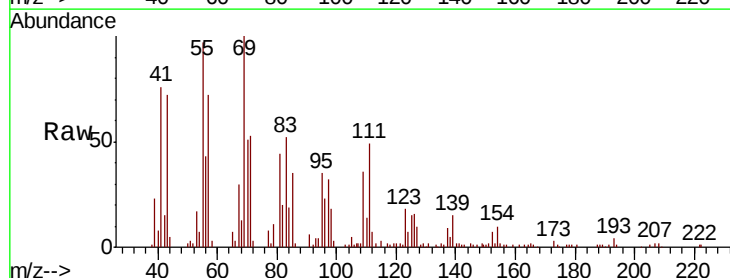
Instrument :
 MSVOA_W
 ClientSampleId :
 S-3(0-5)

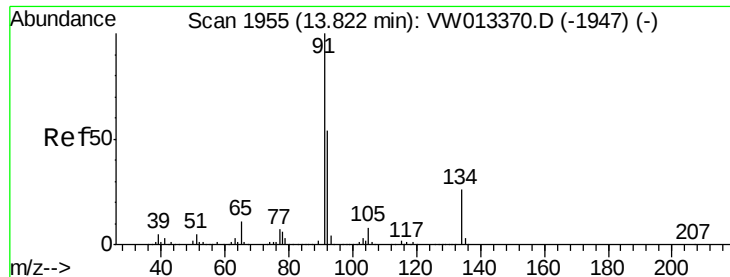
Tot Ion:146 Resp: 234
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.9 56.9#
 148 53.0 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 1.399 ug/l
 RT: 13.59 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VW013441.D
 Acq: 04 Oct 2019 16:11

Tgt Ion:146 Resp: 127
 Ion Ratio Lower Upper
 146 100
 111 16210.2 18.4 55.0#
 148 0.0 32.1 96.3#





#89

n-Butylbenzene

Concen: 11.472 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

S-3(0-5)

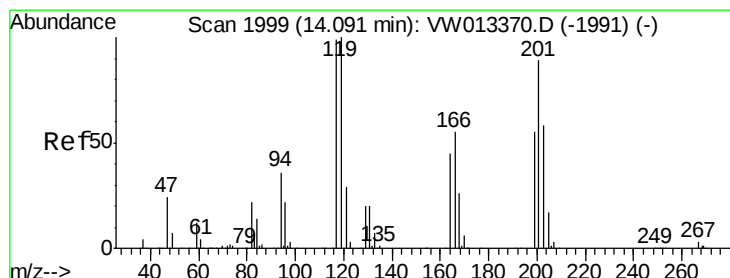
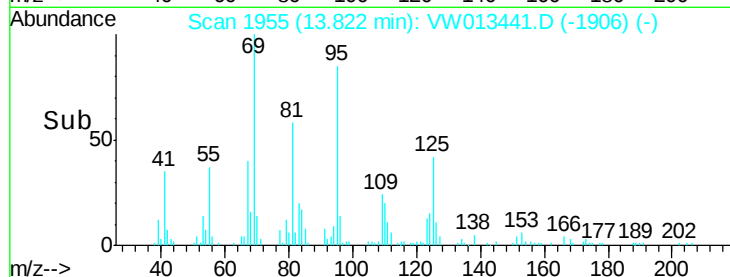
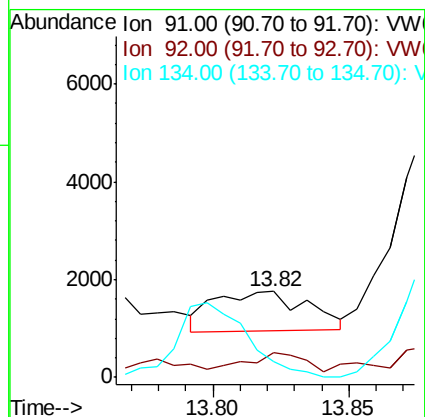
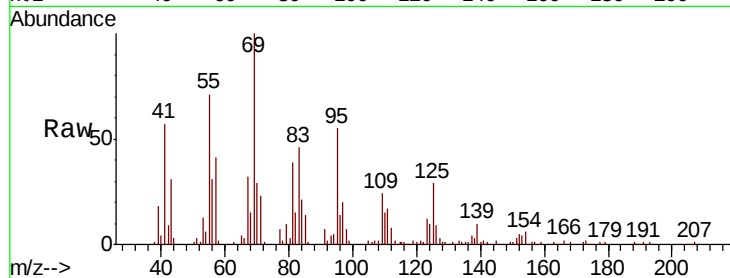
Tot Ion: 91 Resp: 1924

Ion Ratio Lower Upper

91 100

92 27.2 27.6 82.8#

134 0.0 13.7 41.1#



#90

Hexachloroethane

Concen: 151.436 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW013441.D

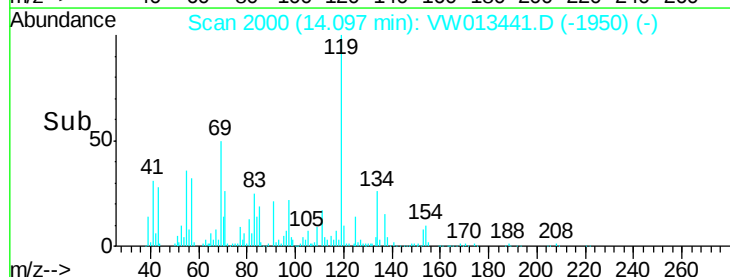
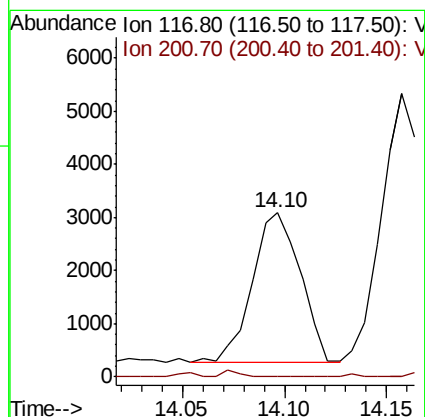
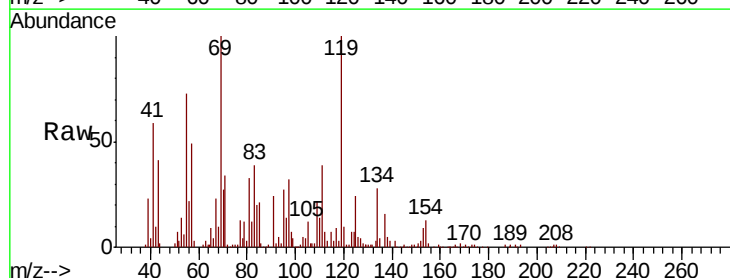
Acq: 04 Oct 2019 16:11

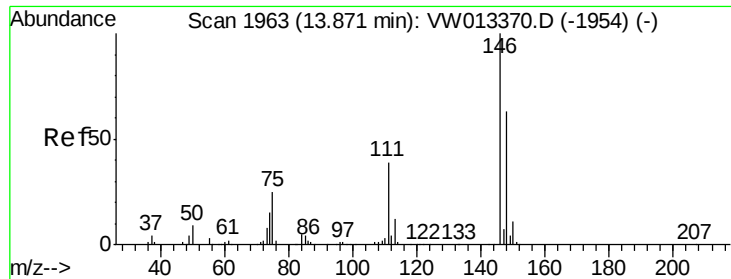
Tgt Ion: 117 Resp: 4654

Ion Ratio Lower Upper

117 100

201 0.0 44.5 133.5#





#91

1,2-Dichlorobenzene

Concen: 1.173 ug/l

RT: 13.86 min Scan# 1961

Delta R.T. -0.01 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

Instrument :

MSVOA_W

ClientSampled :

S-3(0-5)

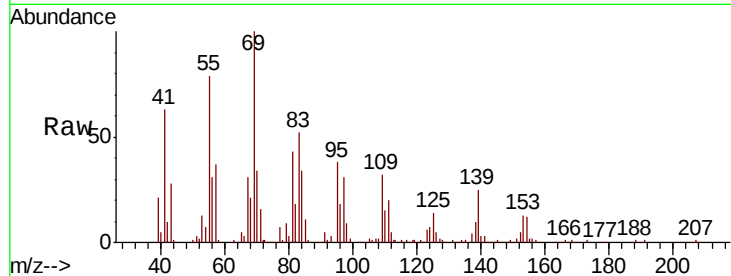
Tot Ion:146 Resp: 94

Ion Ratio Lower Upper

146 100

111 16803.2 20.1 60.3#

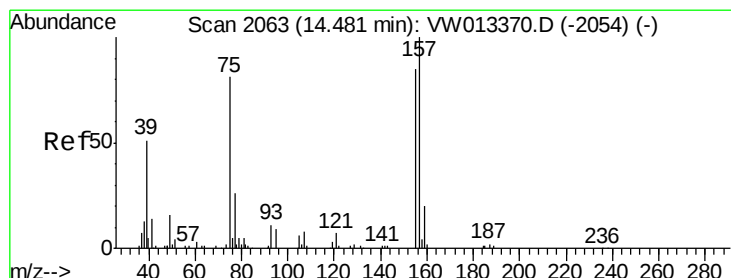
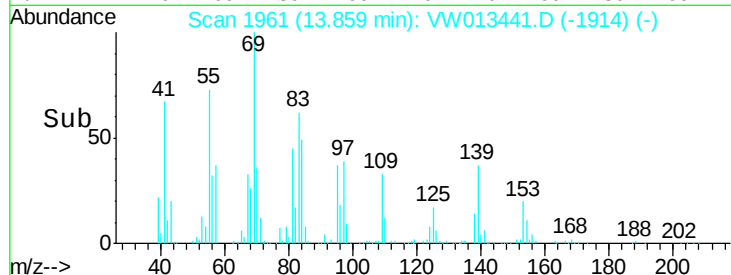
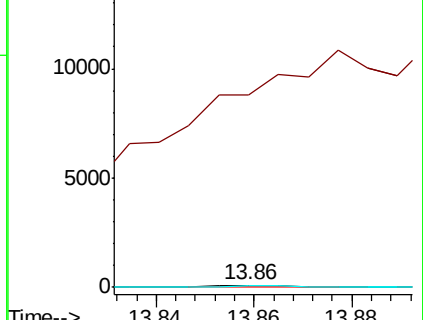
148 62.8 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.326 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013441.D

Acq: 04 Oct 2019 16:11

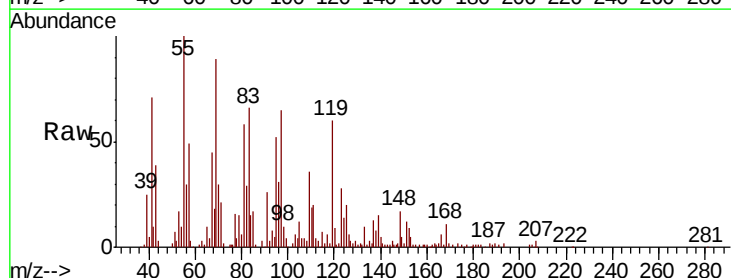
Tgt Ion: 75 Resp: 215

Ion Ratio Lower Upper

75 100

155 95.3 46.1 138.3

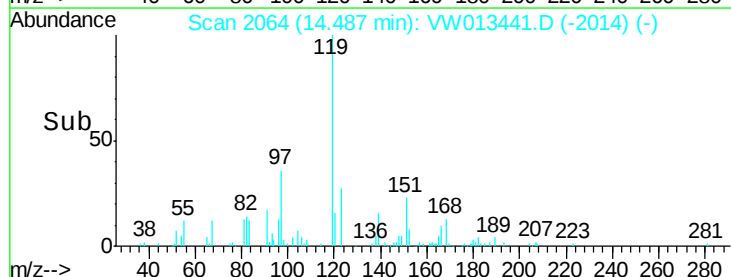
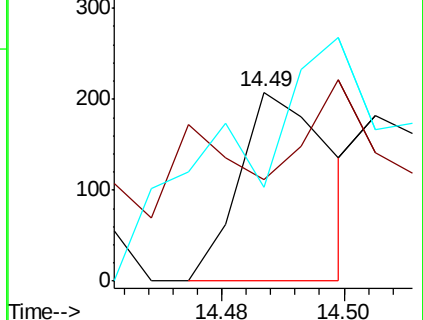
157 198.1 60.4 181.2#

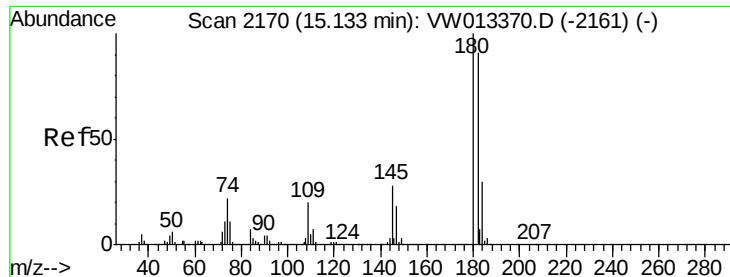


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

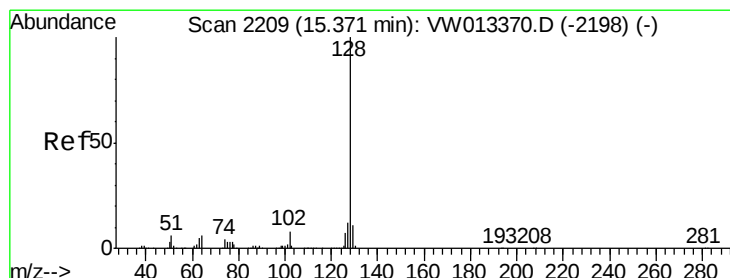
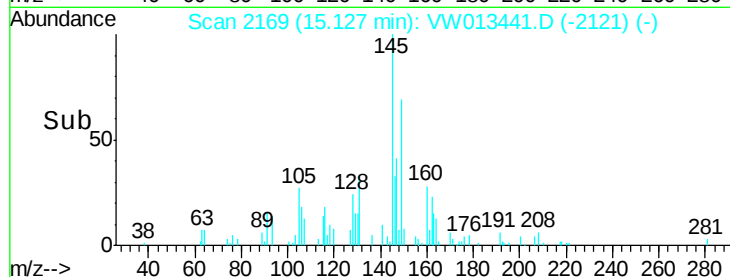
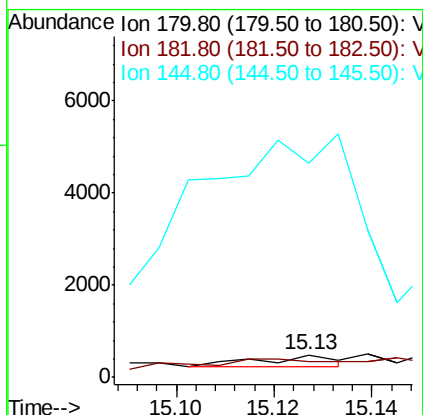
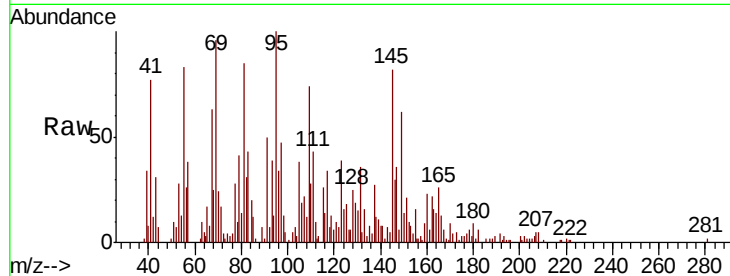




#93
 1,2,4-Trichlorobenzene
 Concen: 5.061 ug/l
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW013441.D
 Acq: 04 Oct 2019 16:11

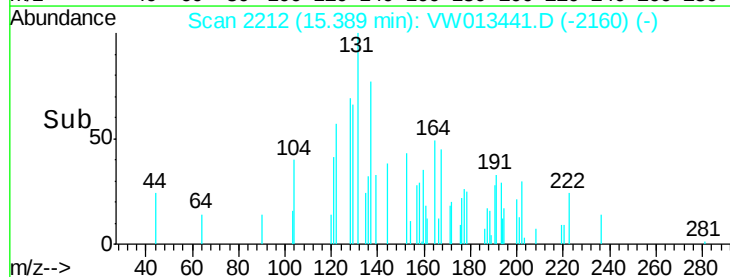
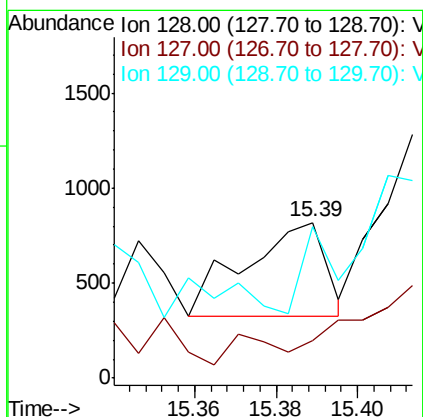
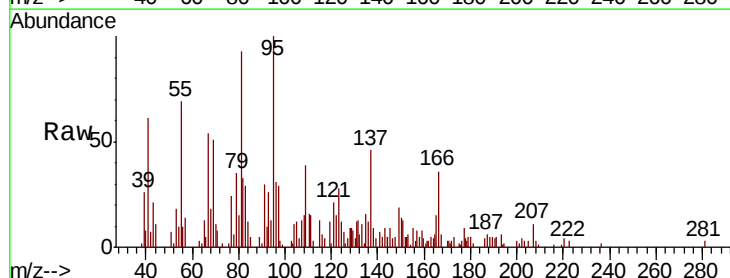
Instrument :
 MSVOA_W
 ClientSampleId :
 S-3(0-5)

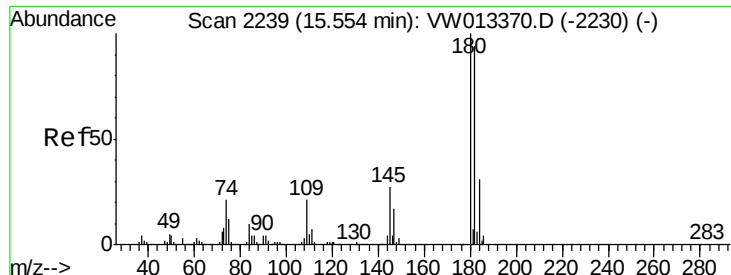
Tot Ion:180 Resp: 291
 Ion Ratio Lower Upper
 180 100
 182 124.7 47.3 142.0
 145 3731.3 14.2 42.8#



#95
 Naphthalene
 Concen: 6.928 ug/l
 RT: 15.39 min Scan# 2212
 Delta R.T. 0.02 min
 Lab File: VW013441.D
 Acq: 04 Oct 2019 16:11

Tgt Ion:128 Resp: 672
 Ion Ratio Lower Upper
 128 100
 127 19.0 10.6 15.8#
 129 0.0 8.7 13.1#

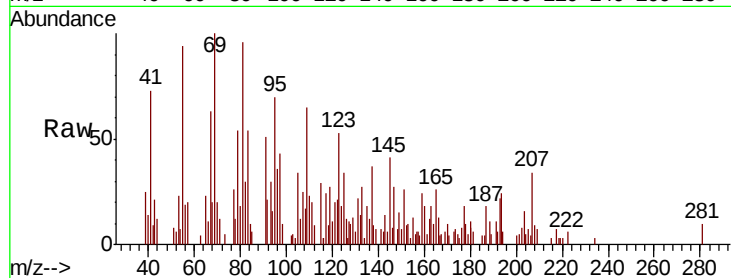




#96
 1,2,3-Trichlorobenzene
 Concen: 9.820 ug/l
 RT: 15.58 min Scan# 2243
 Delta R.T. 0.02 min
 Lab File: VW013441.D
 Acq: 04 Oct 2019 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 S-3(0-5)

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.7#
145	0.0	15.0	45.0#



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

