

Data File : VW013424.D
Acq On : 03 Oct 2019 16:36
Operator : SY/VA
Sample : K5176-02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
30459-61RE

Quant Time: Oct 04 08:27:32 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	241969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	362244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	217628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52103	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	108078	59.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.64%	
35) Dibromofluoromethane	7.88	113	106078	55.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.62%	
50) Toluene-d8	10.32	98	363883	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
62) 4-Bromofluorobenzene	12.62	95	78843	29.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.86%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.22	59	997144	3544.232	ug/l	99
13) Acrolein	3.88	56	796	14.751	ug/l #	15
14) Allyl chloride	4.63	41	3383	1.027	ug/l #	30
15) Acrylonitrile	5.37	53	2892	5.813	ug/l	95
16) Acetone	4.14	43	5300672	9571.582	ug/l	95
17) Carbon Disulfide	4.37	76	44348	7.137	ug/l	95
18) Methyl Acetate	4.68	43	30487	23.521	ug/l #	88
19) Methyl tert-butyl Ether	5.42	73	23147	7.061	ug/l #	71
20) Methylene Chloride	4.91	84	13558	4.226	ug/l	92
25) 2-Butanone	7.17	43	98637	139.196	ug/l	95
26) 2,2-Dichloropropane	7.15	77	2903	Below Cal	#	52
29) Tetrahydrofuran	7.54	42	1737	13.744	ug/l #	51
31) Cyclohexane	7.92	56	215949	52.245	ug/l #	45
36) 1,1-Dichloropropene	7.95	75	15786	4.692	ug/l #	48
37) Ethyl Acetate	7.17	43	98637	66.375	ug/l #	71
38) Carbon Tetrachloride	7.95	117	20102	6.897	ug/l #	18
39) Methylcyclohexane	9.34	83	97987	22.114	ug/l	95
40) Benzene	8.32	78	27347	2.871	ug/l	99
41) Methacrylonitrile	7.54	41	1064	1.188	ug/l #	43
43) Isopropyl Acetate	8.41	43	112126	40.120	ug/l #	50
48) Methyl methacrylate	9.43	41	466655	347.511	ug/l	93
49) 1,4-Dioxane	9.48	88	21	Below Cal	#	8
51) 4-Methyl-2-Pentanone	10.21	43	715073	486.989	ug/l	98
52) Toluene	10.39	92	10379483	1689.591	ug/l	90
53) t-1,3-Dichloropropene	10.39	75	112953	38.728	ug/l #	1
55) 1,1,2-Trichloroethane	10.76	97	48496	28.541	ug/l #	21
56) Ethyl methacrylate	10.57	69	779576	340.865	ug/l #	82
59) 2-Hexanone	10.97	43	23810	23.395	ug/l	64
60) Dibromochloromethane	10.86	129	16926	8.707	ug/l #	11
64) Tetrachloroethene	10.86	164	19867	11.999	ug/l	94
67) Ethyl Benzene	11.73	91	347113	43.439	ug/l	100
68) m/p-Xylenes	11.83	106	433745	140.627	ug/l	100
69) o-Xylene	12.16	106	157577	55.256	ug/l	99
70) Styrene	12.16	104	10369	2.127	ug/l #	1

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QLast Update : Wed Oct 02 11:49:57 2019
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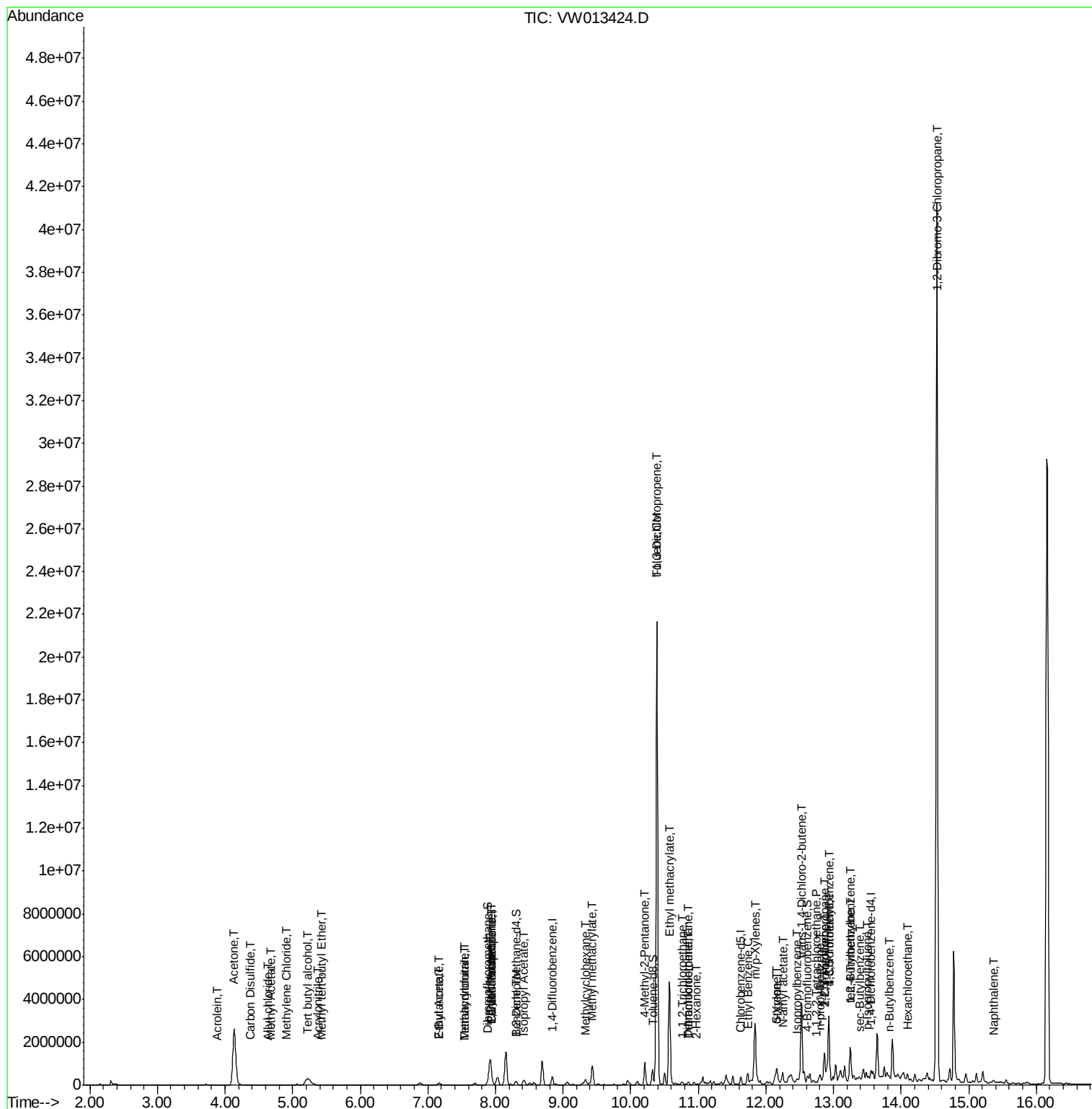
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) Isopropylbenzene	12.46	105	73460	19.275	ug/l	99
74) N-amyl acetate	12.25	43	188304	232.158	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.74	83	2426	3.761	ug/l #	26
76) 1,2,3-Trichloropropane	12.87	75	4753	10.264	ug/l #	100
78) n-propylbenzene	12.80	91	290090	66.170	ug/l	100
79) 2-Chlorotoluene	12.87	91	85532	35.126	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.94	105	288861	91.240	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	134864	571.484	ug/l #	49
82) 4-Chlorotoluene	12.94	91	28647	11.231	ug/l #	49
83) tert-Butylbenzene	13.25	119	112553	40.701	ug/l #	73
84) 1,2,4-Trimethylbenzene	13.25	105	880792	279.855	ug/l	100
85) sec-Butylbenzene	13.38	105	95906	25.155	ug/l	87
86) p-Isopropyltoluene	13.50	119	51017	14.439	ug/l	100
89) n-Butylbenzene	13.82	91	126036	39.565	ug/l #	73
90) Hexachloroethane	14.10	117	12206	20.909	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.53	75	112660	1167.609	ug/l #	1
95) Naphthalene	15.36	128	120992	65.665	ug/l	98

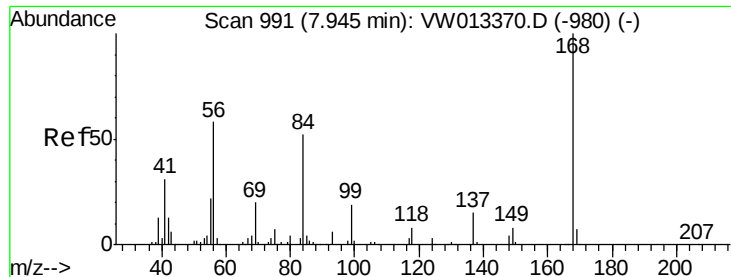
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_W

ClientSampleId :

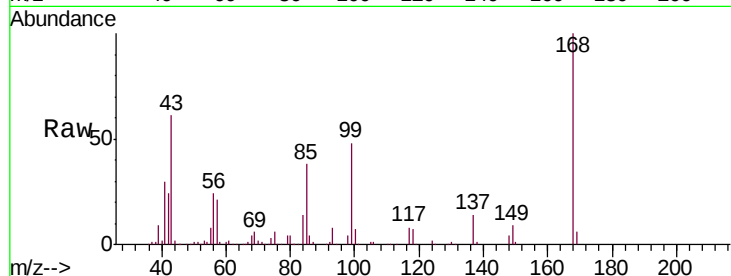
30459-61RE

Tgt Ion:168 Resp: 241969

Ion Ratio Lower Upper

168 100

99 48.4 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

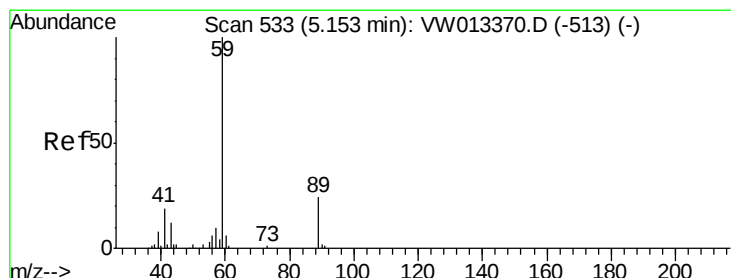
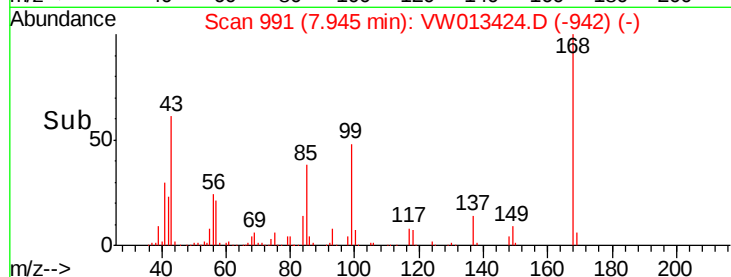
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 3544.232 ug/l

RT: 5.22 min Scan# 544

Delta R.T. 0.07 min

Lab File: VW013424.D

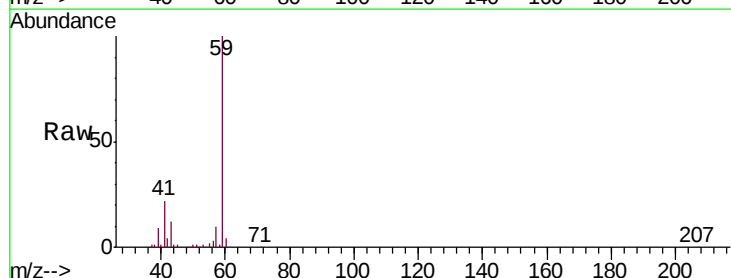
Acq: 03 Oct 2019 16:36

Tgt Ion: 59 Resp: 997144

Ion Ratio Lower Upper

59 100

57 9.9 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.22

200000

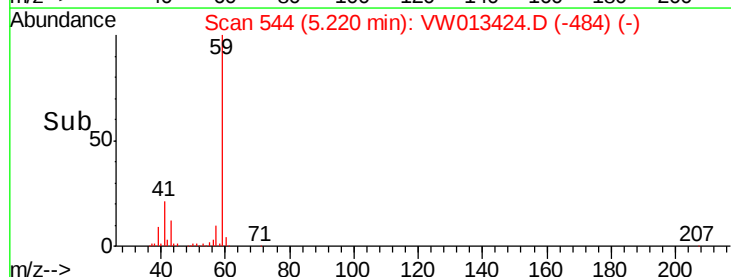
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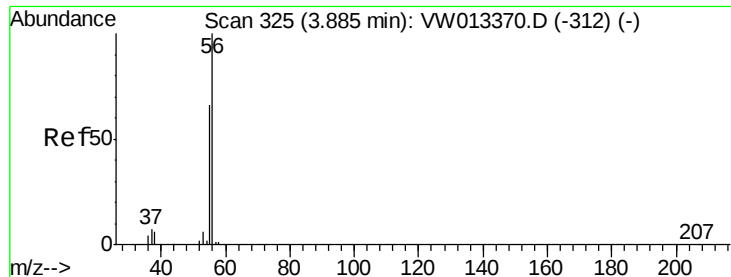
100000

50000

0

Time-->





#13

Acrolein

Concen: 14.751 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_W

ClientSampled :

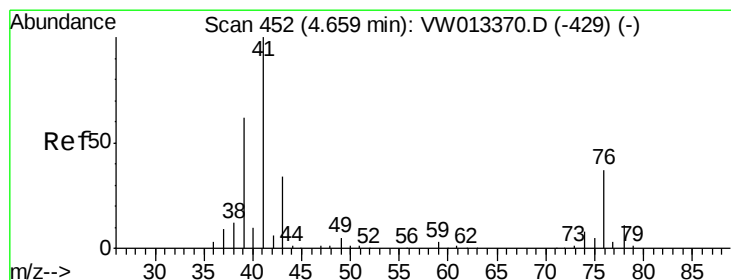
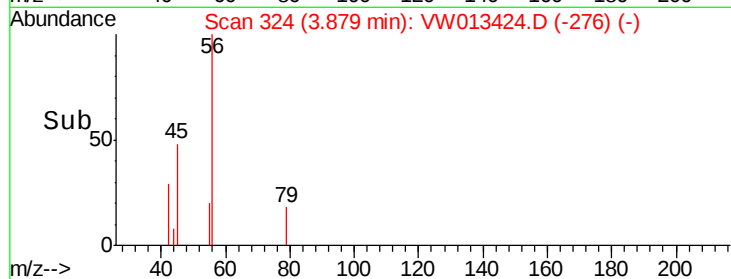
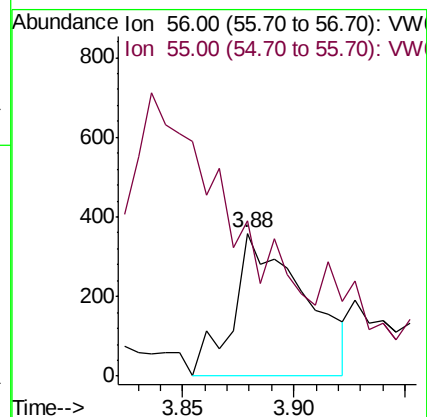
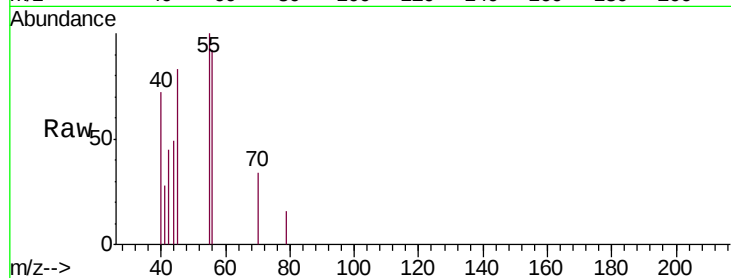
30459-61RE

Tgt Ion: 56 Resp: 796

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



#14

Allyl chloride

Concen: 1.027 ug/l

RT: 4.63 min Scan# 447

Delta R.T. -0.03 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

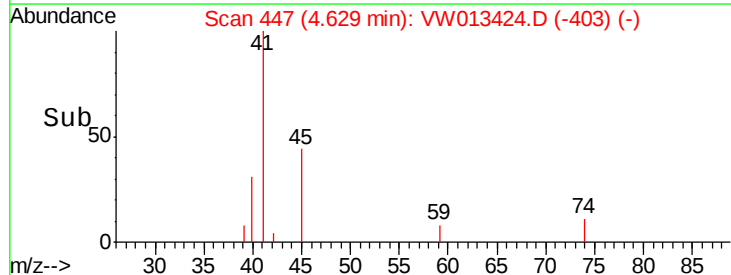
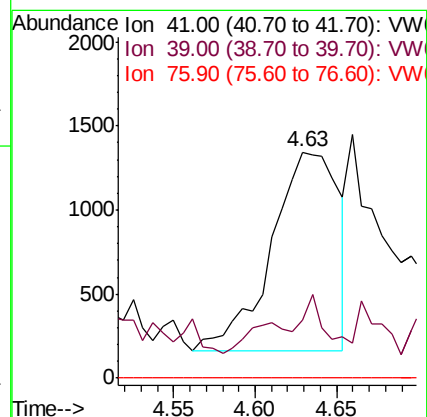
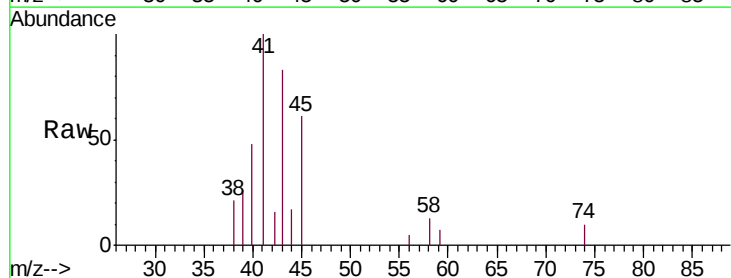
Tgt Ion: 41 Resp: 3383

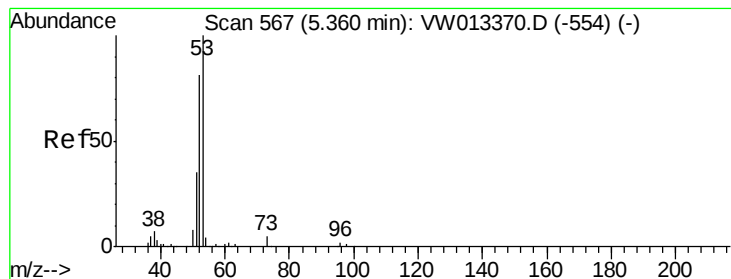
Ion Ratio Lower Upper

41 100

39 4.7 51.0 76.4#

76 0.0 28.4 42.6#





#15

Acrylonitrile

Concen: 5.813 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_W

ClientSampled :

30459-61RE

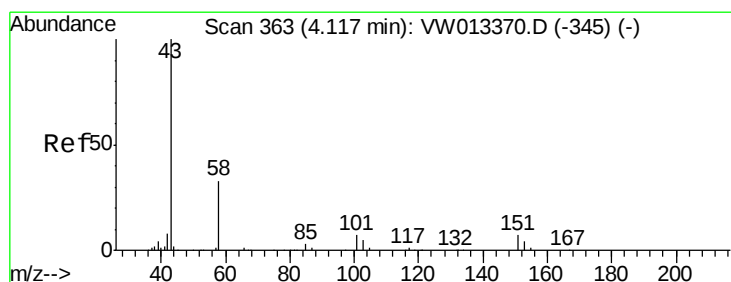
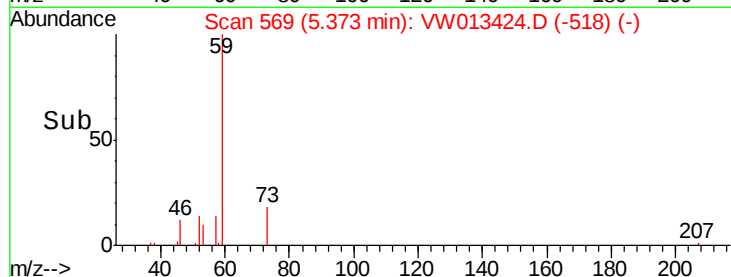
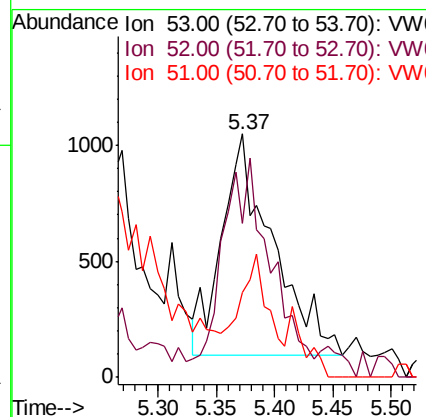
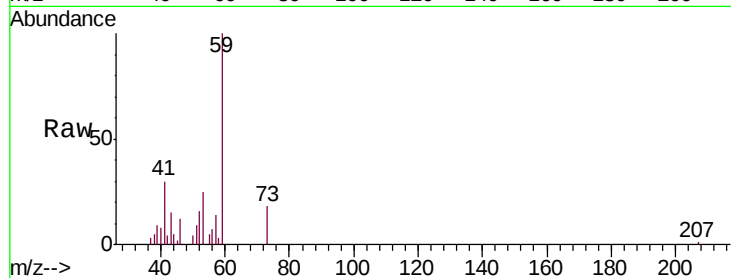
Tgt Ion: 53 Resp: 2892

Ion Ratio Lower Upper

53 100

52 76.7 65.3 97.9

51 34.0 29.0 43.4



#16

Acetone

Concen: 9571.582 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013424.D

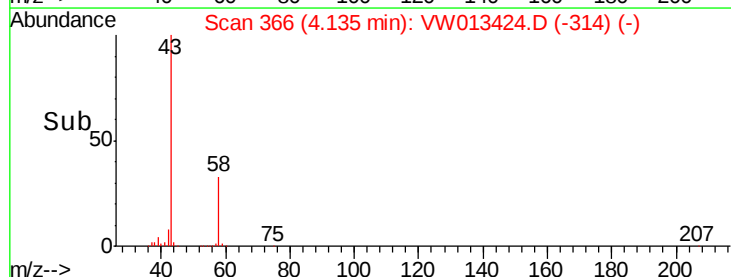
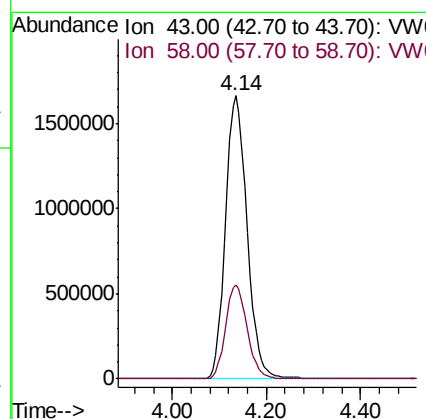
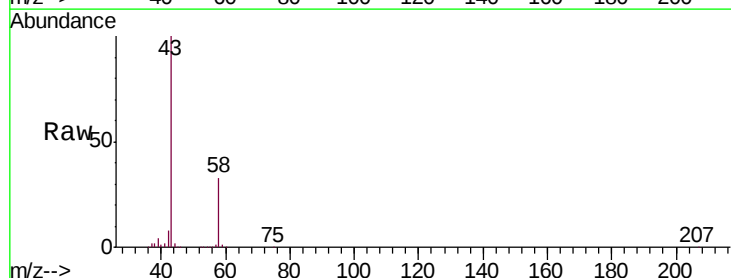
Acq: 03 Oct 2019 16:36

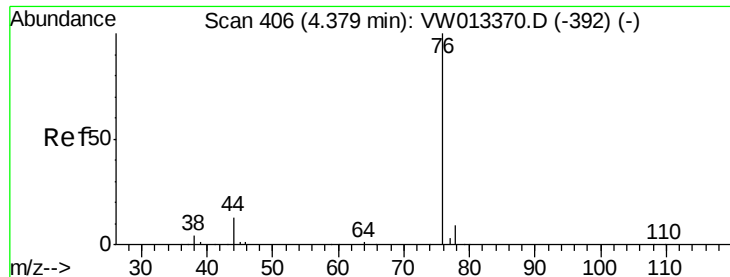
Tgt Ion: 43 Resp: 5300672

Ion Ratio Lower Upper

43 100

58 32.9 24.1 36.1





#17

Carbon Disulfide

Concen: 7.137 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_W

ClientSampleId :

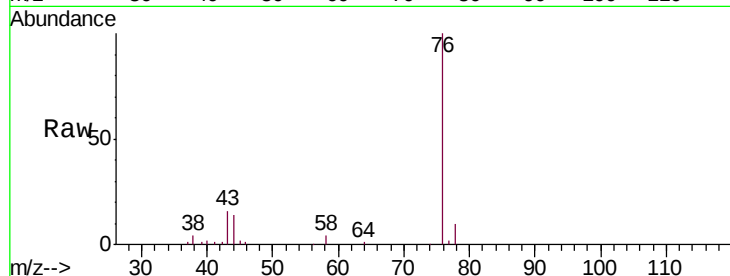
30459-61RE

Tgt Ion: 76 Resp: 44348

Ion Ratio Lower Upper

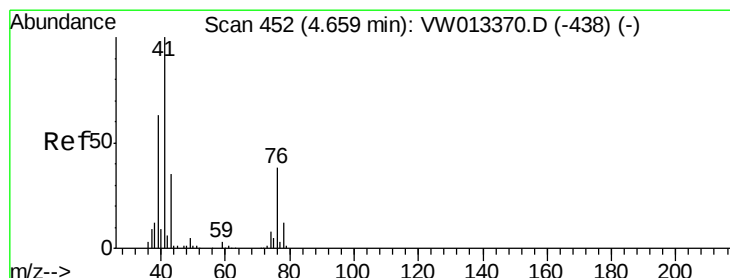
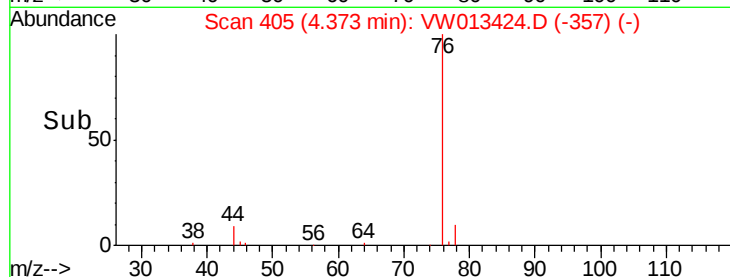
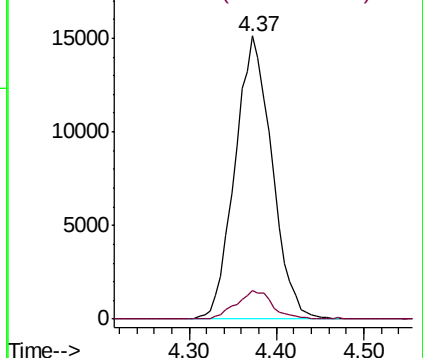
76 100

78 10.3 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 23.521 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.02 min

Lab File: VW013424.D

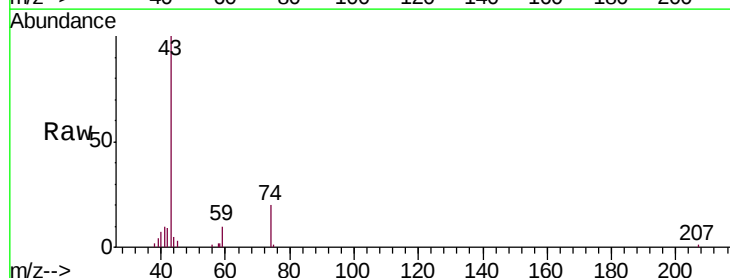
Acq: 03 Oct 2019 16:36

Tgt Ion: 43 Resp: 30487

Ion Ratio Lower Upper

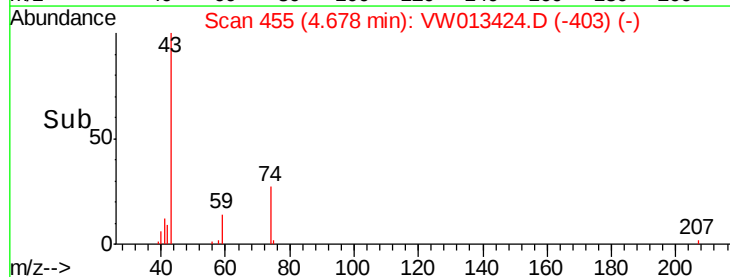
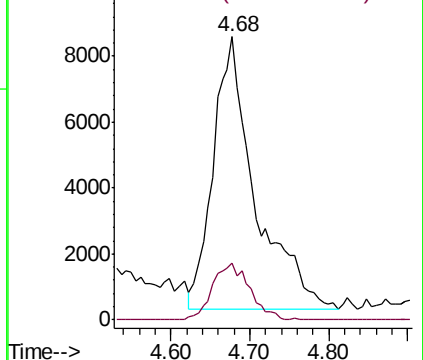
43 100

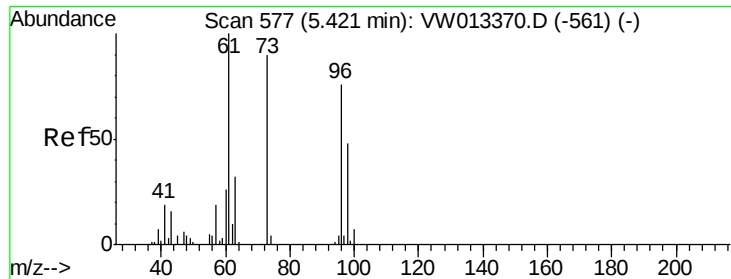
74 18.4 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

Methyl tert-butyl Ether

Concen: 7.061 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_W

ClientSampled :

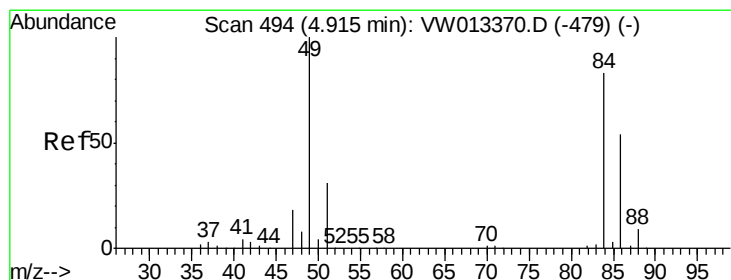
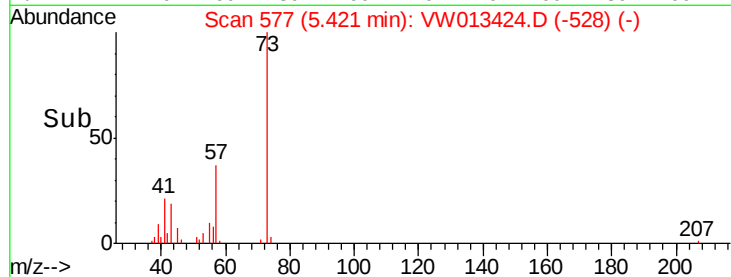
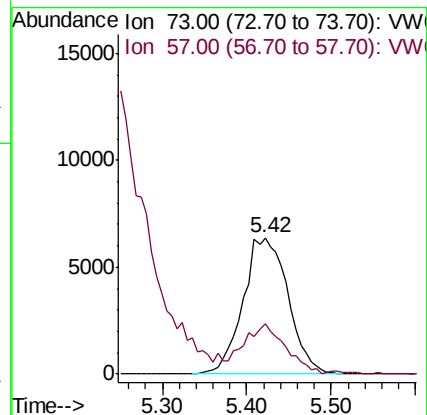
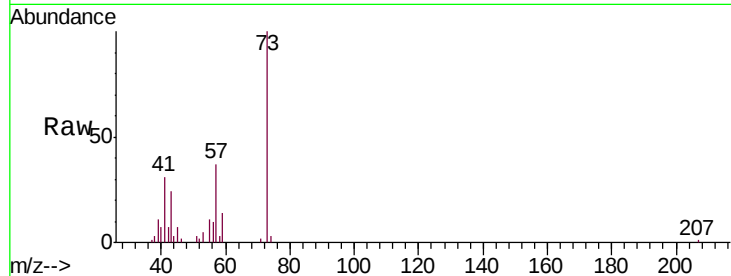
30459-61RE

Tgt Ion: 73 Resp: 23147

Ion Ratio Lower Upper

73 100

57 35.7 17.6 26.4#



#20

Methylene Chloride

Concen: 4.226 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

Tgt Ion: 84 Resp: 13558

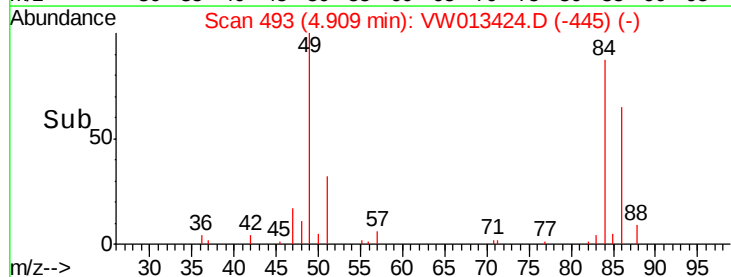
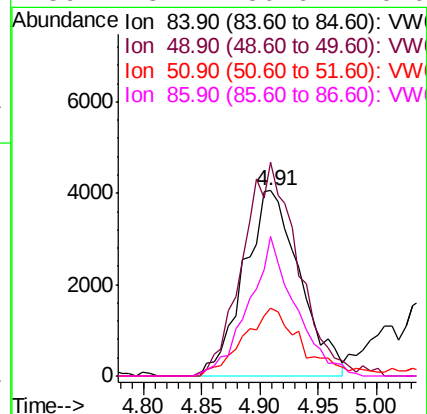
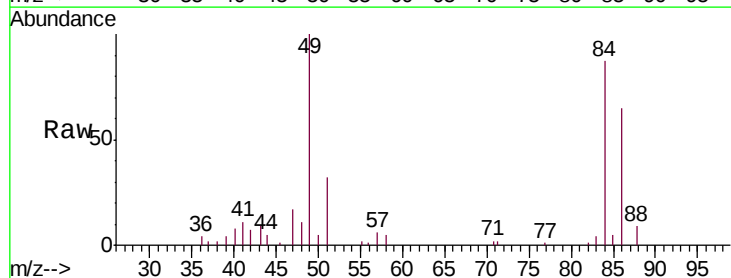
Ion Ratio Lower Upper

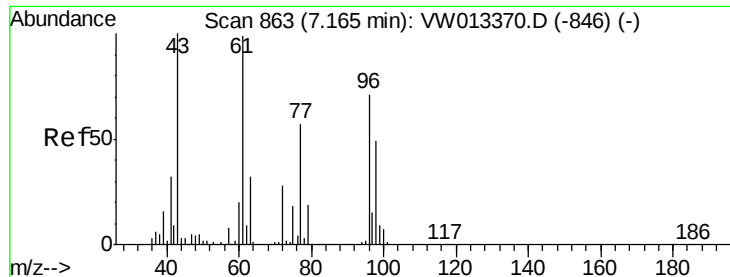
84 100

49 115.3 97.6 146.4

51 36.7 30.2 45.2

86 75.1 50.6 76.0





#25

2-Butanone

Concen: 139.196 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_W

ClientSampleId :

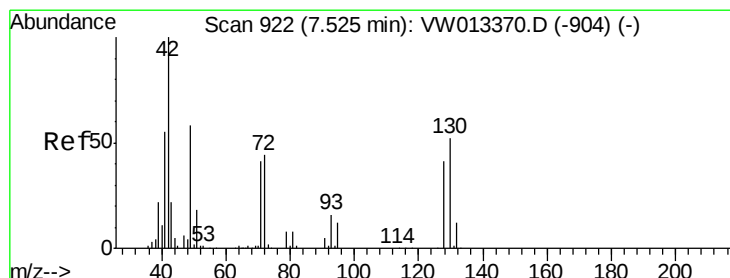
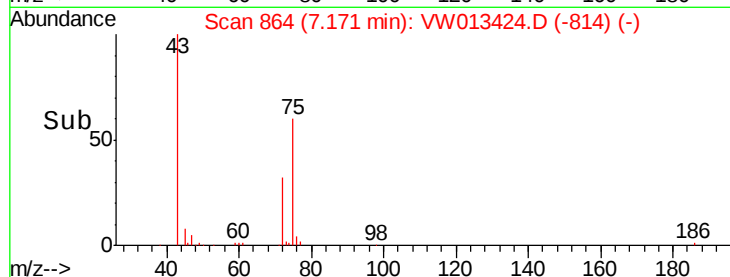
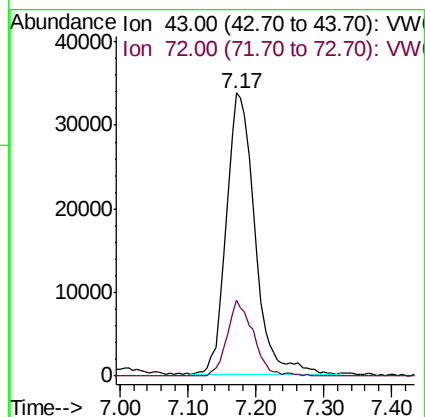
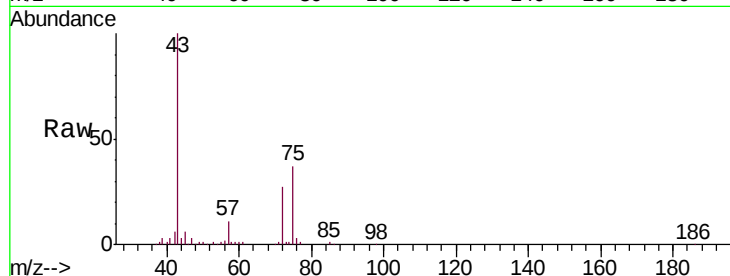
30459-61RE

Tgt Ion: 43 Resp: 98637

Ion Ratio Lower Upper

43 100

72 26.8 19.4 29.0



#29

Tetrahydrofuran

Concen: 13.744 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

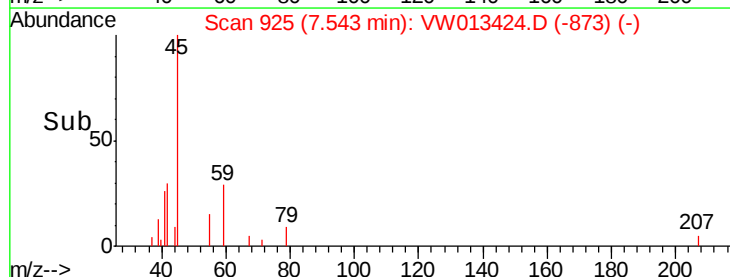
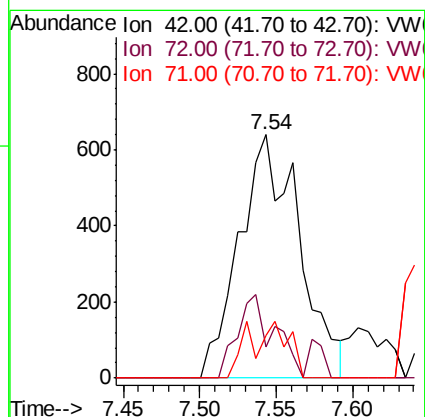
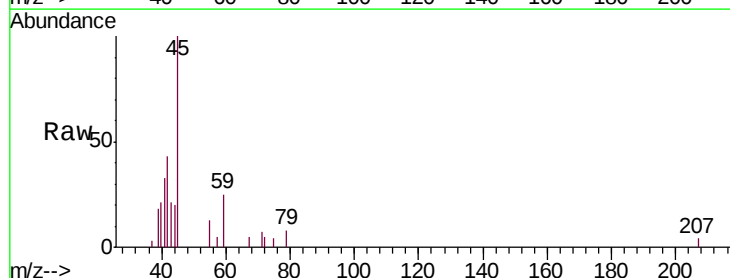
Tgt Ion: 42 Resp: 1737

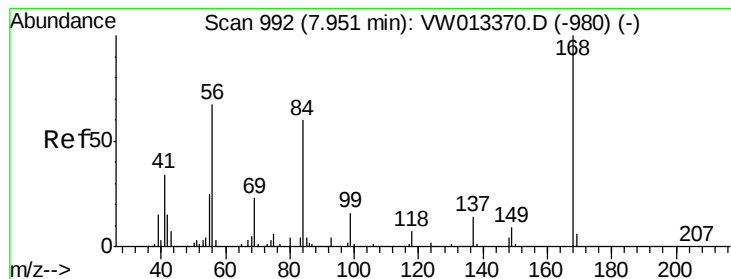
Ion Ratio Lower Upper

42 100

72 21.2 33.9 50.9#

71 0.0 31.9 47.9#





#31

Cyclohexane

Concen: 52.245 ug/l

RT: 7.92 min Scan# 987

Delta R.T. -0.03 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_W

ClientSampleId :

30459-61RE

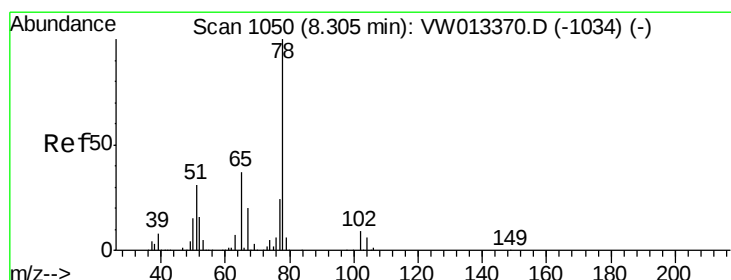
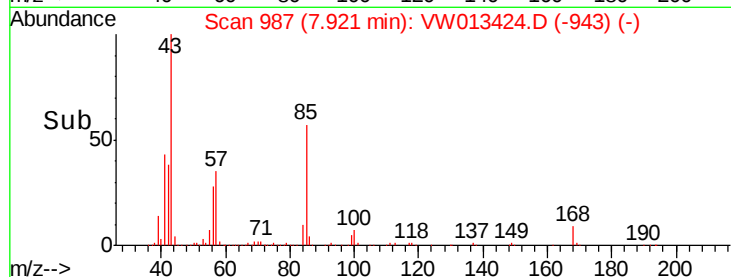
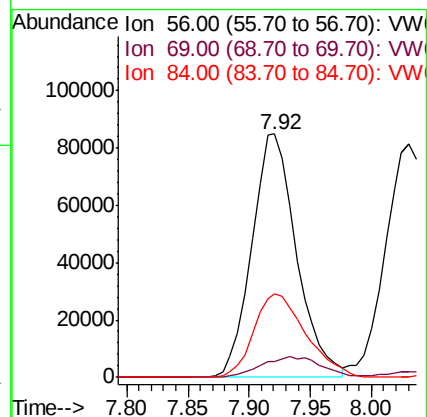
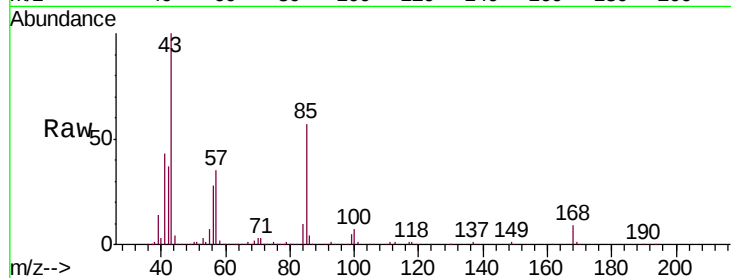
Tgt Ion: 56 Resp: 215949

Ion Ratio Lower Upper

56 100

69 6.6 27.2 40.8#

84 34.6 70.8 106.2#



#33

1,2-Dichloroethane-d4

Concen: 59.820 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013424.D

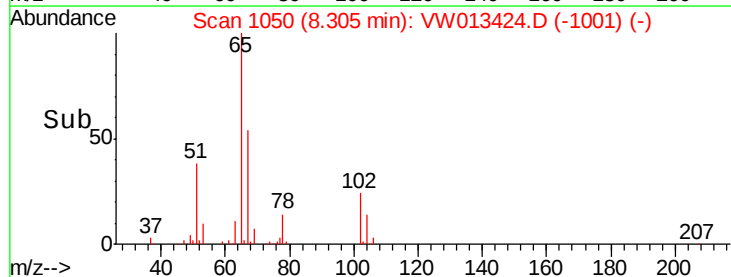
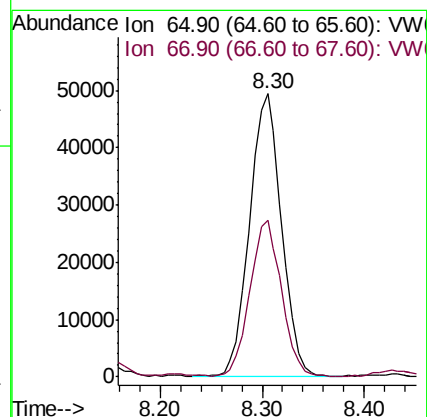
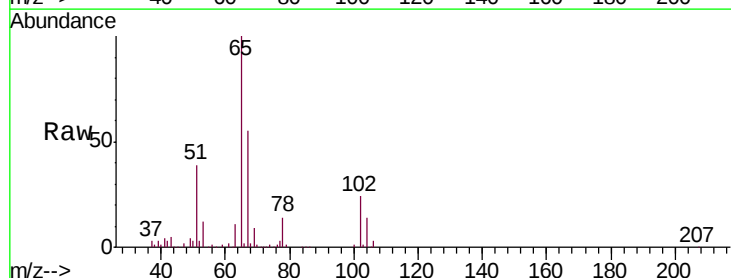
Acq: 03 Oct 2019 16:36

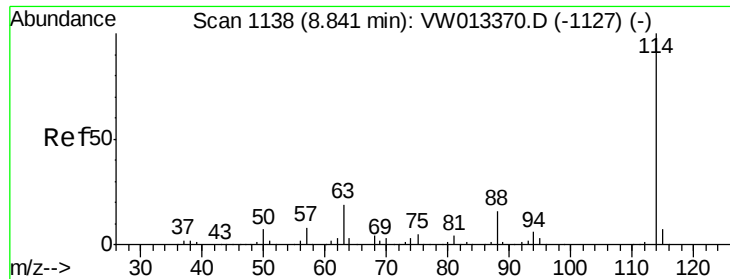
Tgt Ion: 65 Resp: 108078

Ion Ratio Lower Upper

65 100

67 54.3 0.0 106.2

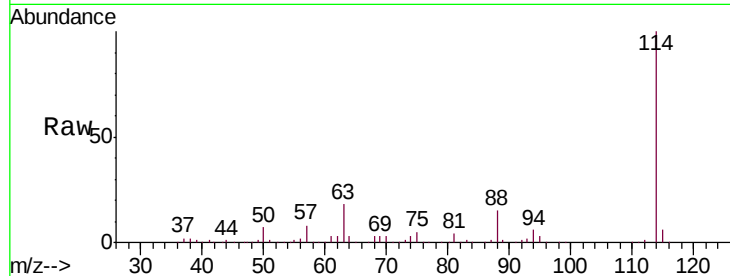




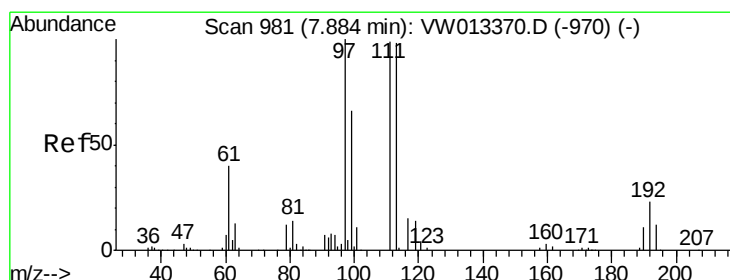
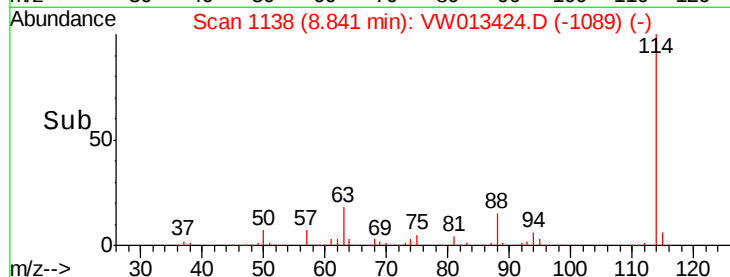
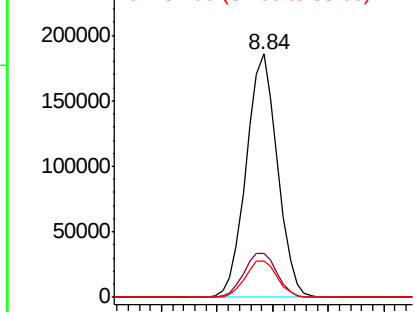
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW013424.D
Acq: 03 Oct 2019 16:36

Instrument :
MSVOA_W
ClientSampleId :
30459-61RE

Tgt Ion:114 Resp: 362244
Ion Ratio Lower Upper
114 100
63 18.3 0.0 41.4
88 14.9 0.0 32.0

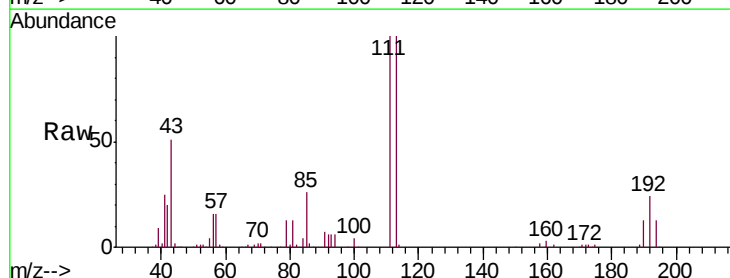


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

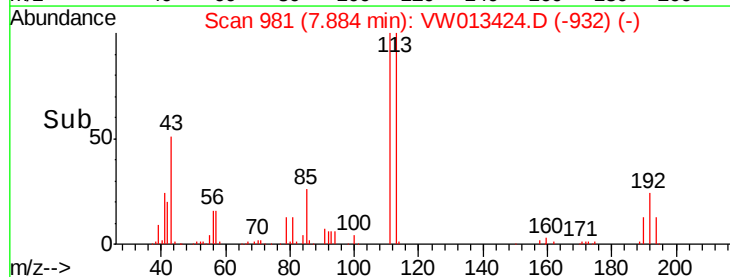
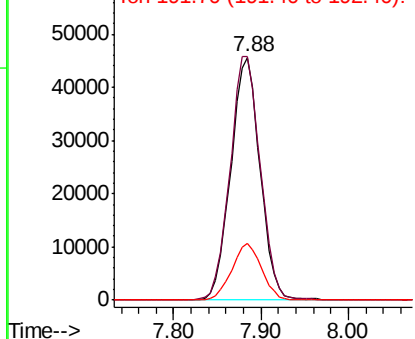


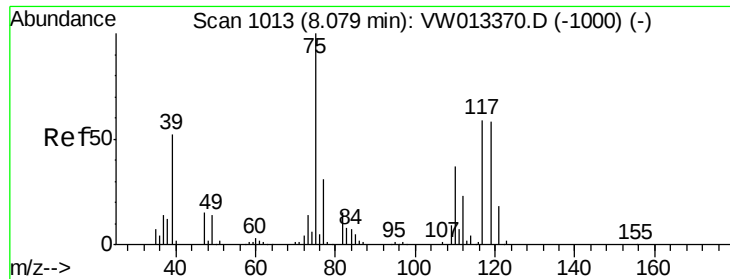
#35
Dibromofluoromethane
Concen: 55.808 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW013424.D
Acq: 03 Oct 2019 16:36

Tgt Ion:113 Resp: 106078
Ion Ratio Lower Upper
113 100
111 103.5 81.9 122.9
192 23.6 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

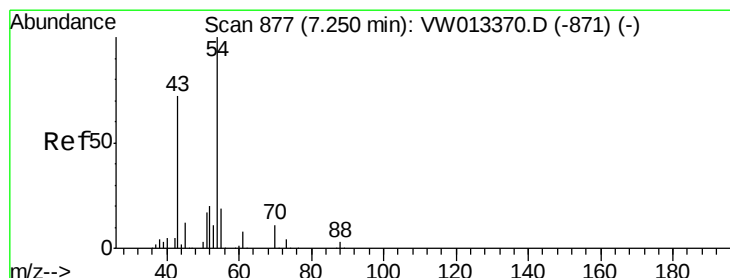
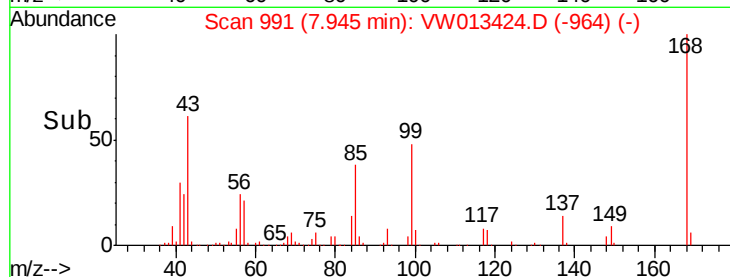
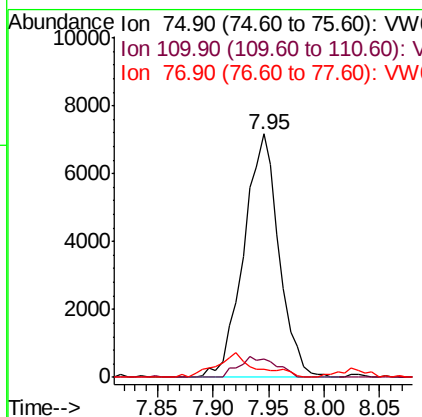
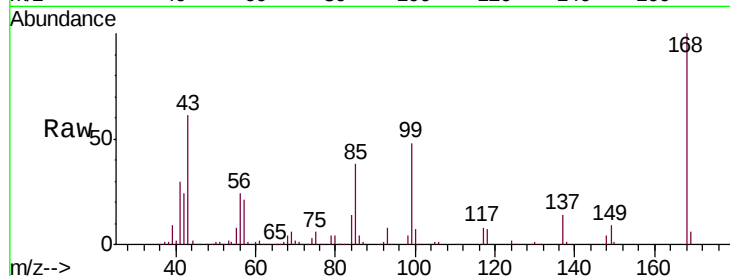




#36
 1,1-Dichloropropene
 Concen: 4.692 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 16:36

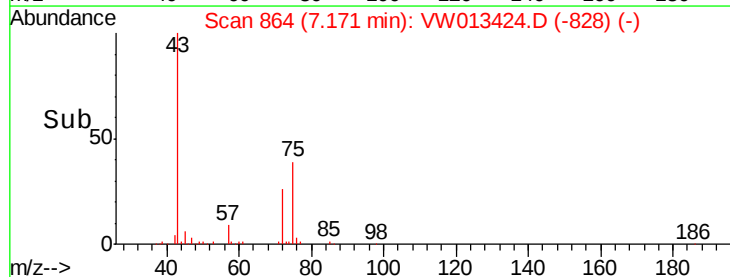
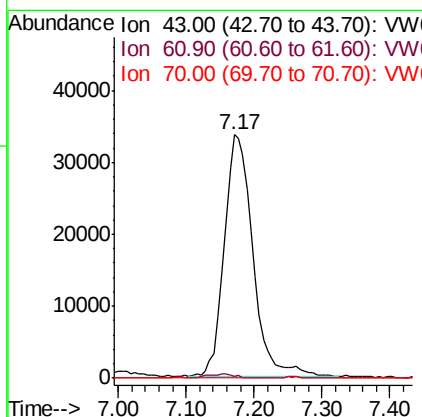
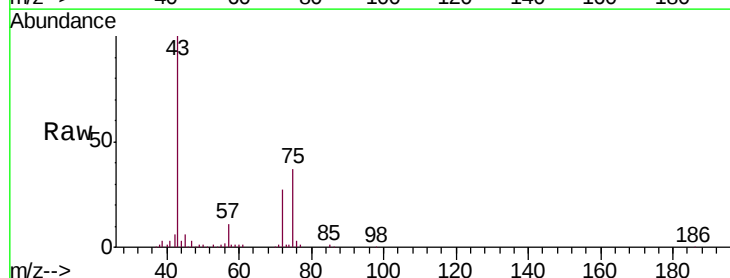
Instrument :
 MSVOA_W
 ClientSampleId :
 30459-61RE

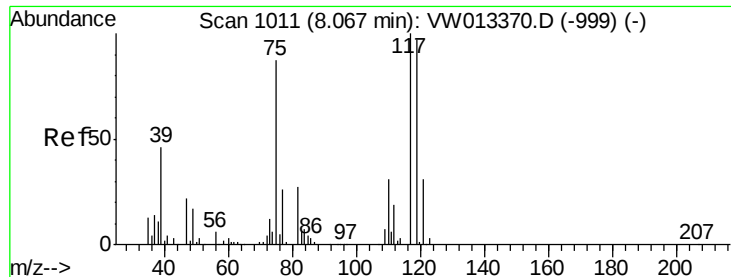
Tgt Ion: 75 Resp: 15786
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.1 54.3#
 77 0.0 25.8 38.6#



#37
 Ethyl Acetate
 Concen: 66.375 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 16:36

Tgt Ion: 43 Resp: 98637
 Ion Ratio Lower Upper
 43 100
 61 1.6 10.9 16.3#
 70 0.1 8.2 12.2#

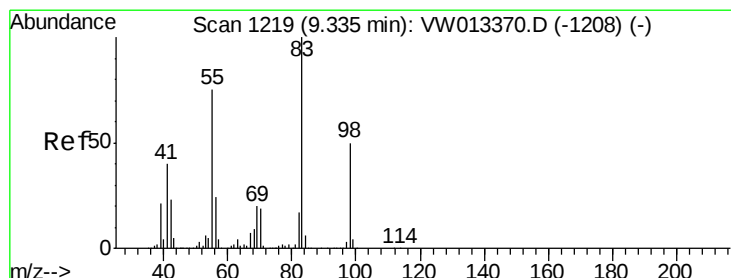
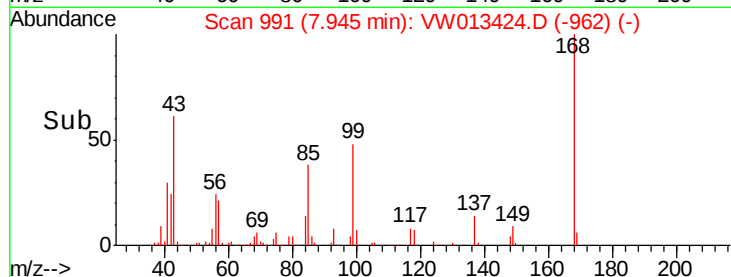
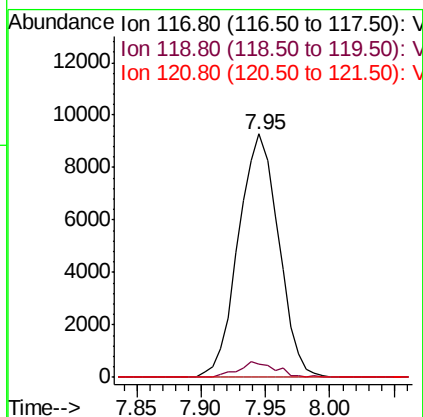
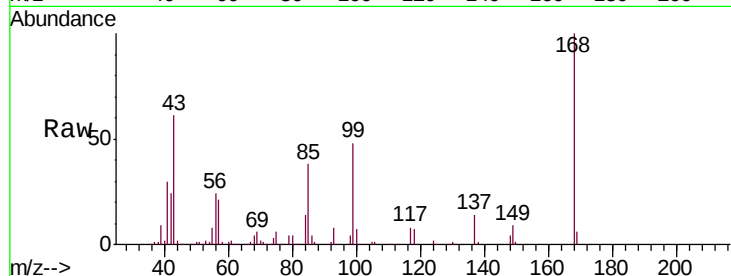




#38
Carbon Tetrachloride
Concen: 6.897 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013424.D
Acq: 03 Oct 2019 16:36

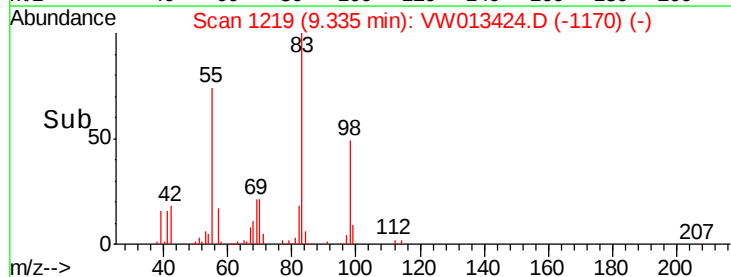
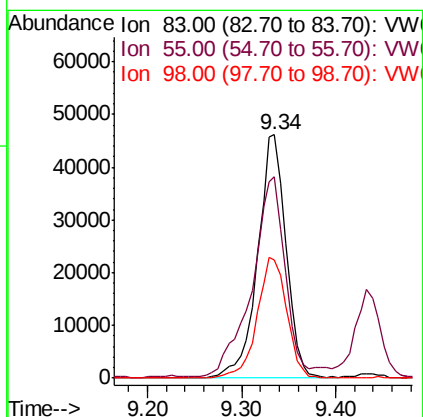
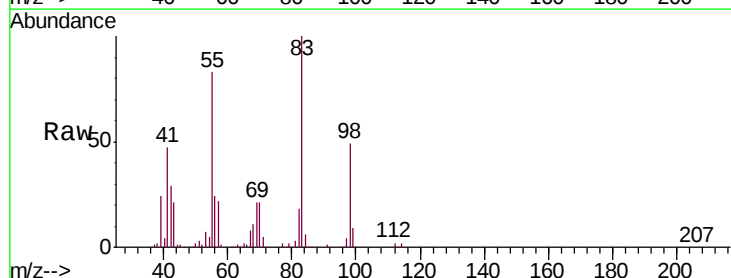
Instrument :
MSVOA_W
ClientSampleId :
30459-61RE

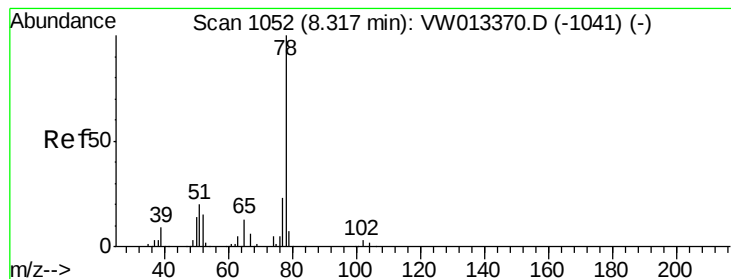
Tgt Ion: 117 Resp: 20102
Ion Ratio Lower Upper
117 100
119 5.4 73.5 110.3#
121 0.0 25.0 37.6#



#39
Methylcyclohexane
Concen: 22.114 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013424.D
Acq: 03 Oct 2019 16:36

Tgt Ion: 83 Resp: 97987
Ion Ratio Lower Upper
83 100
55 81.9 60.4 90.6
98 48.5 40.0 60.0





#40

Benzene

Concen: 2.871 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_W

ClientSampleId :

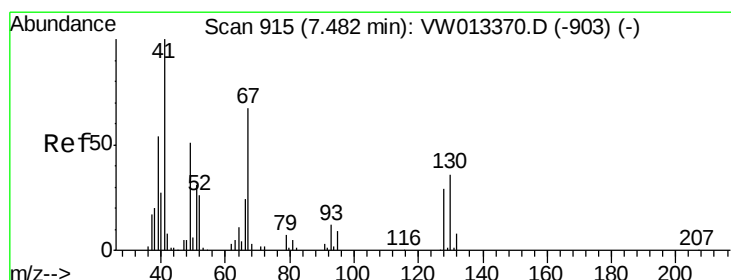
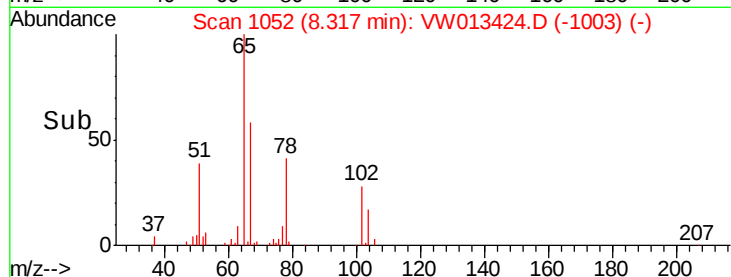
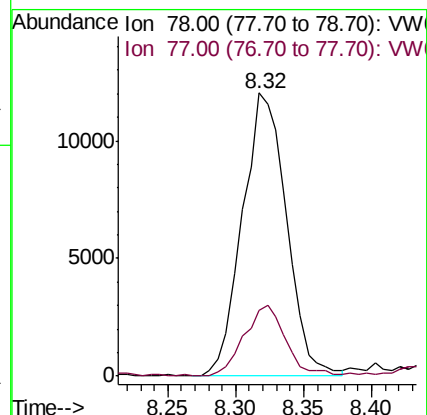
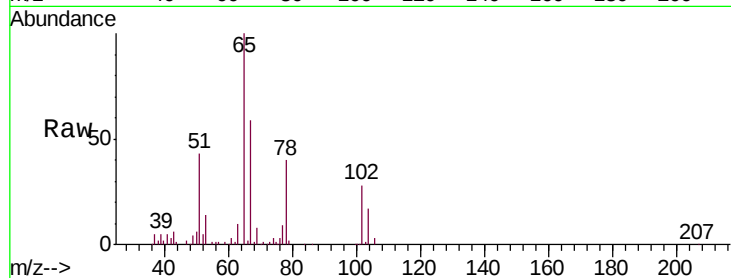
30459-61RE

Tgt Ion: 78 Resp: 27347

Ion Ratio Lower Upper

78 100

77 23.3 19.1 28.7



#41

Methacrylonitrile

Concen: 1.188 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

Tgt Ion: 41 Resp: 1064

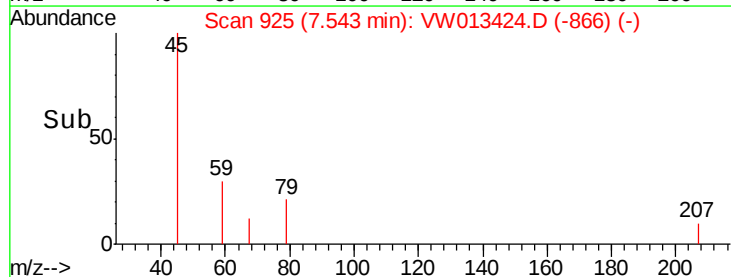
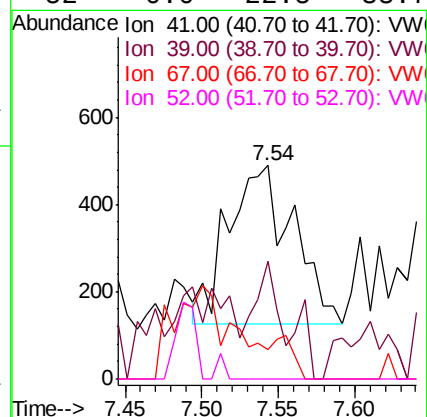
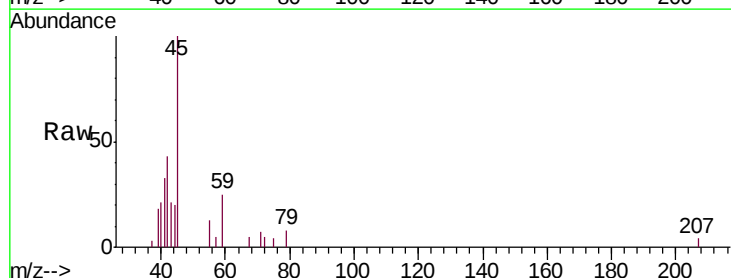
Ion Ratio Lower Upper

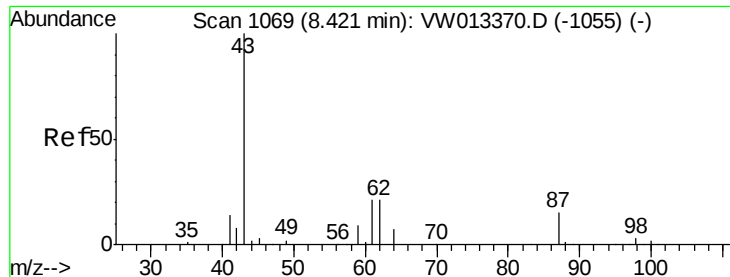
41 100

39 38.5 45.9 68.9#

67 0.0 54.5 81.7#

52 0.0 22.5 33.7#





#43

Isopropyl Acetate

Concen: 40.120 ug/l

RT: 8.41 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_W

ClientSampleId :

30459-61RE

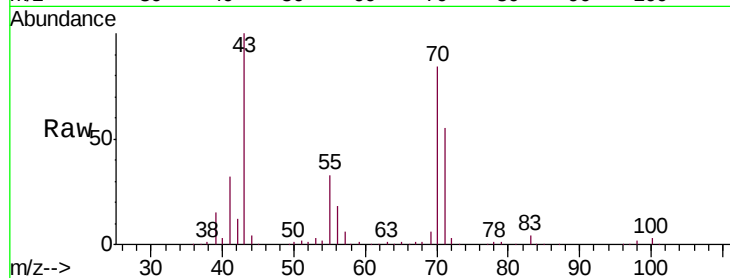
Tgt Ion: 43 Resp: 112126

Ion Ratio Lower Upper

43 100

61 0.1 25.5 38.3#

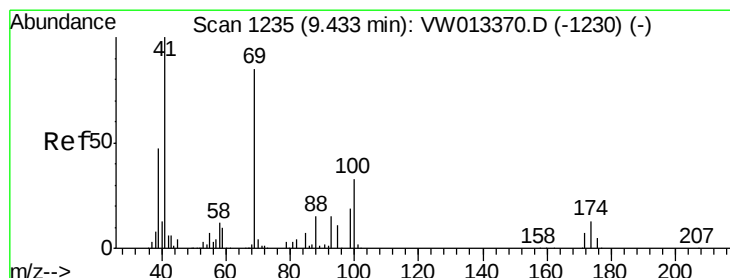
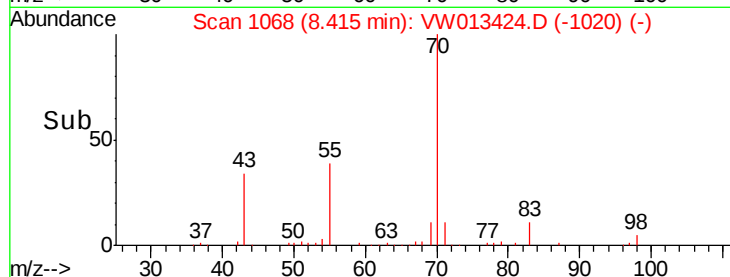
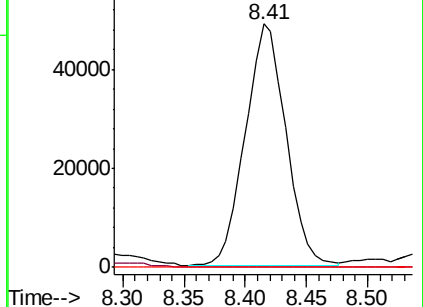
87 0.1 11.0 16.4#



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



#48

Methyl methacrylate

Concen: 347.511 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

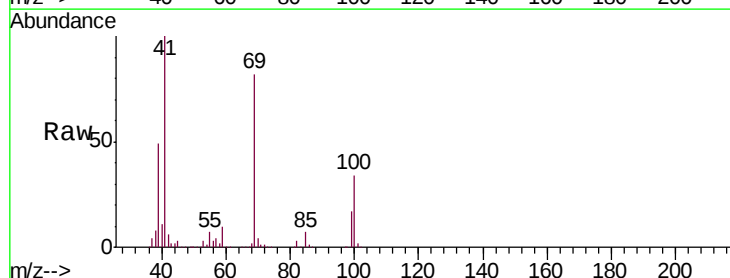
Tgt Ion: 41 Resp: 466655

Ion Ratio Lower Upper

41 100

69 78.9 69.7 104.5

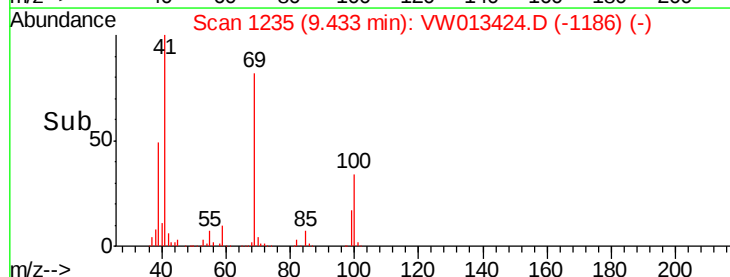
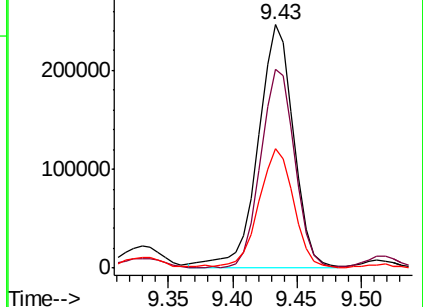
39 48.7 41.1 61.7

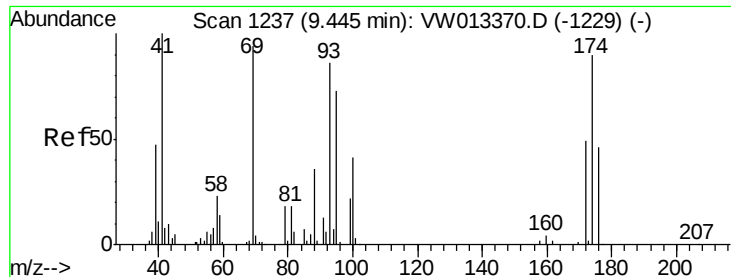


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.48 min Scan# 1242

Delta R.T. 0.03 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_W

ClientSampled :

30459-61RE

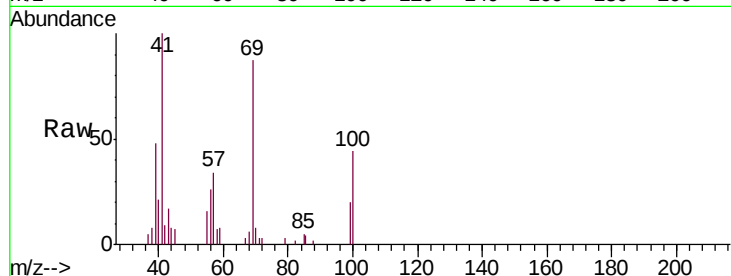
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

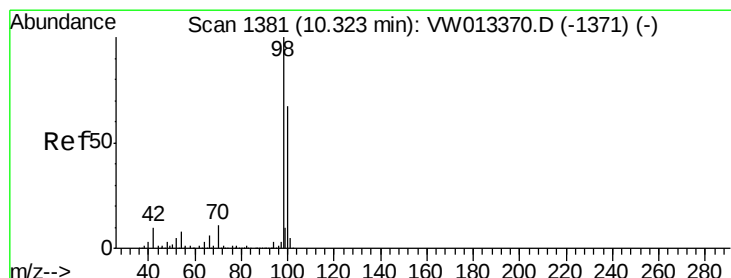
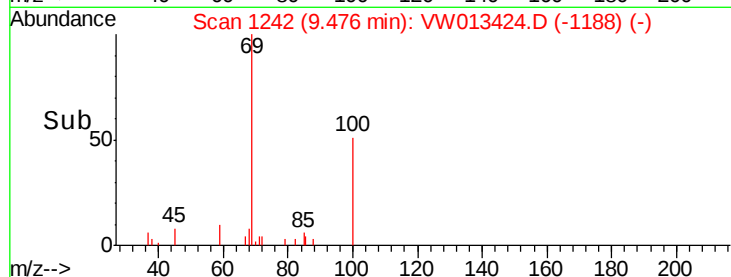
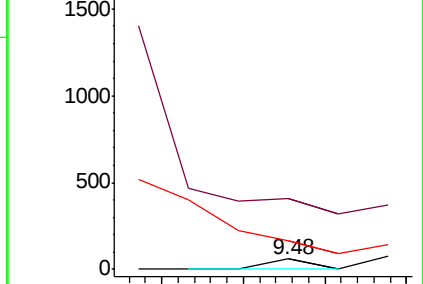
58 0.0 65.4 98.0#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 46.132 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013424.D

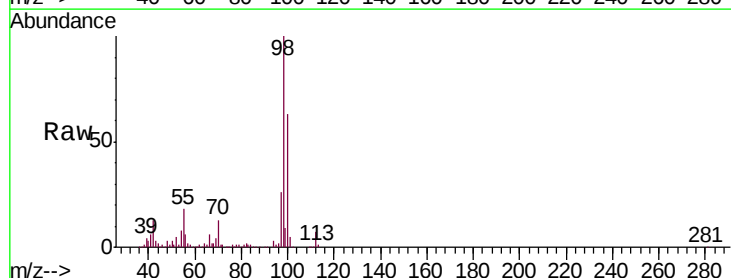
Acq: 03 Oct 2019 16:36

Tgt Ion: 98 Resp: 363883

Ion Ratio Lower Upper

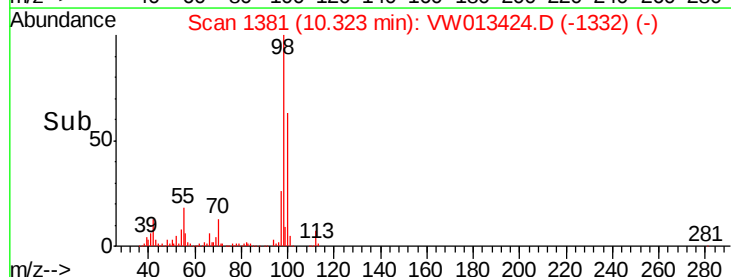
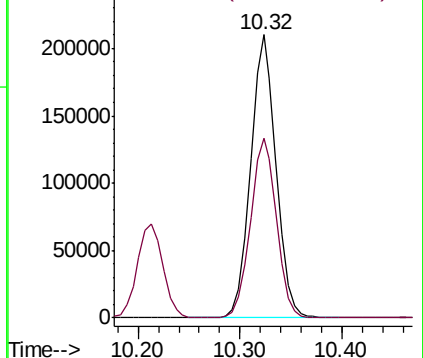
98 100

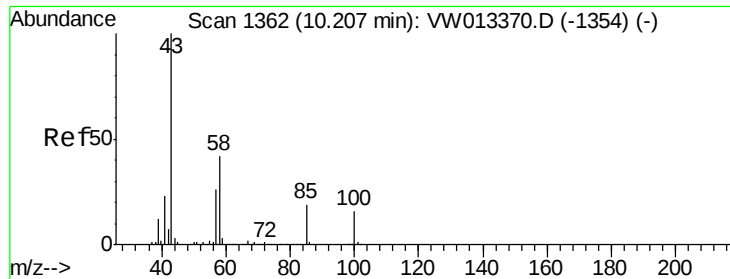
100 64.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

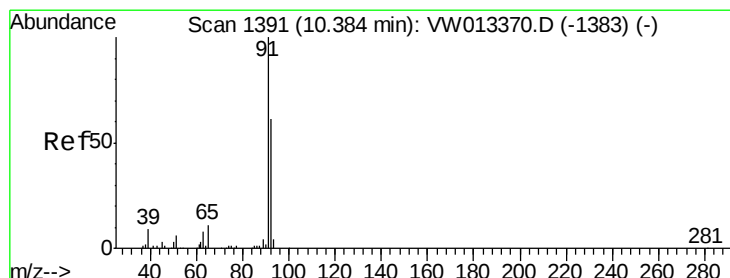
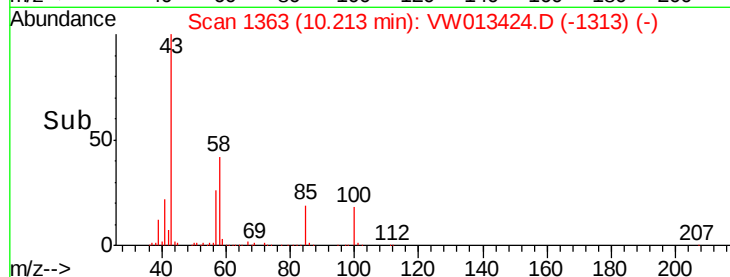
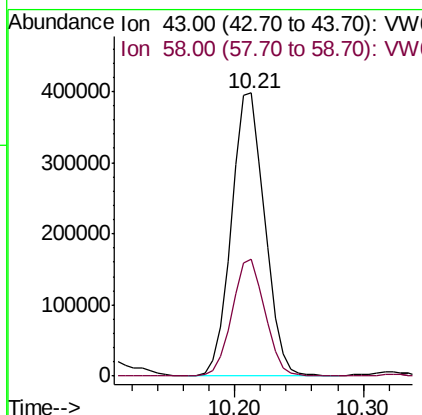
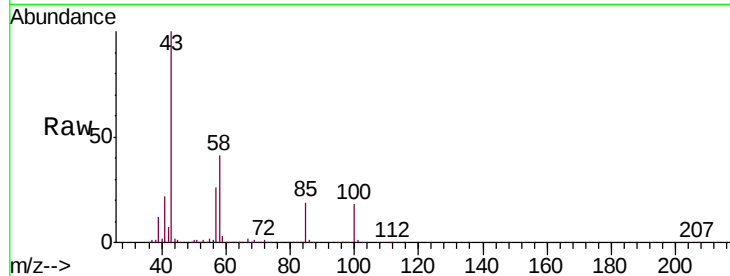




#51
 4-Methyl-2-Pentanone
 Concen: 486.989 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 16:36

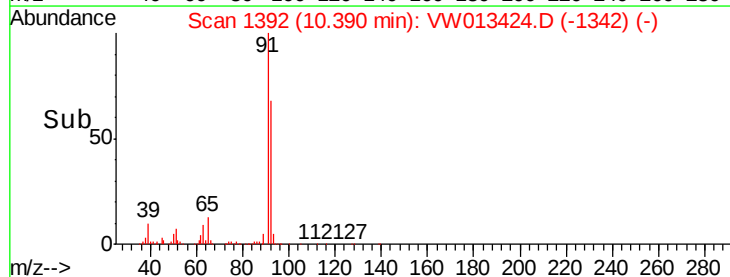
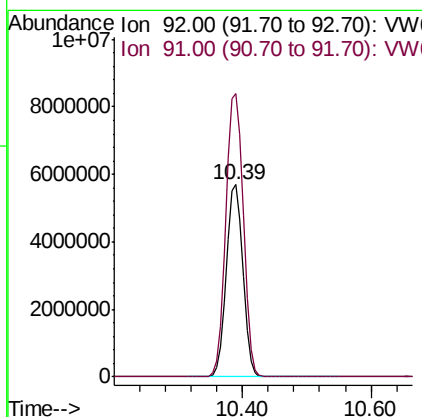
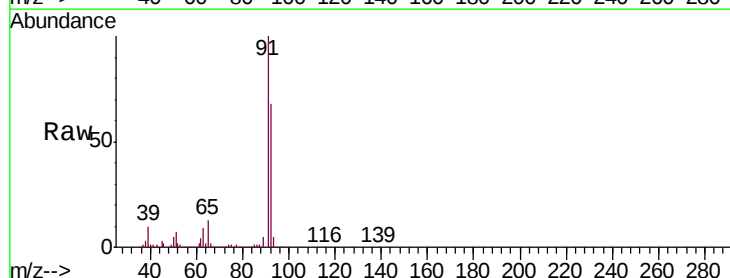
Instrument :
 MSVOA_W
 ClientSampleId :
 30459-61RE

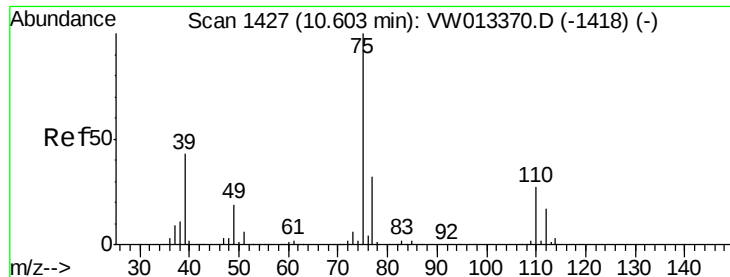
Tgt Ion: 43 Resp: 715073
 Ion Ratio Lower Upper
 43 100
 58 40.8 31.7 47.5



#52
 Toluene
 Concen: 1689.591 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 16:36

Tgt Ion: 92 Resp: 10379483
 Ion Ratio Lower Upper
 92 100
 91 156.0 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 38.728 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.21 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_W

ClientSampleId :

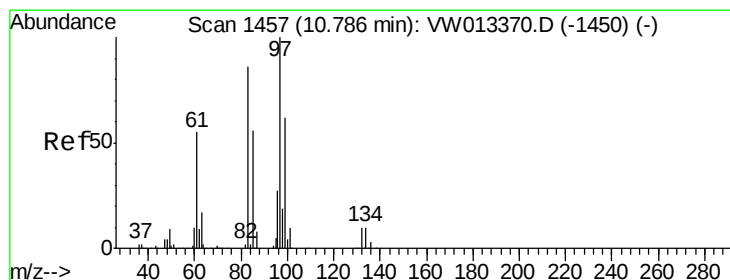
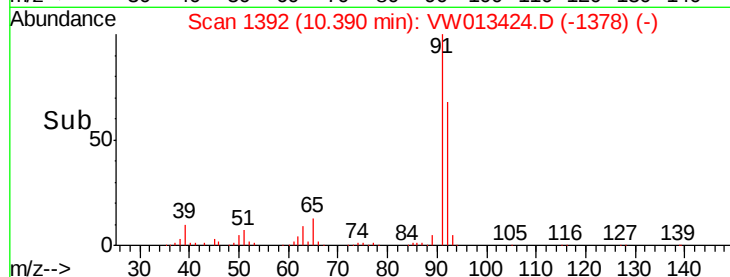
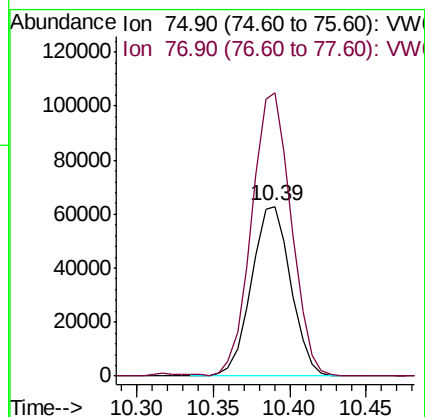
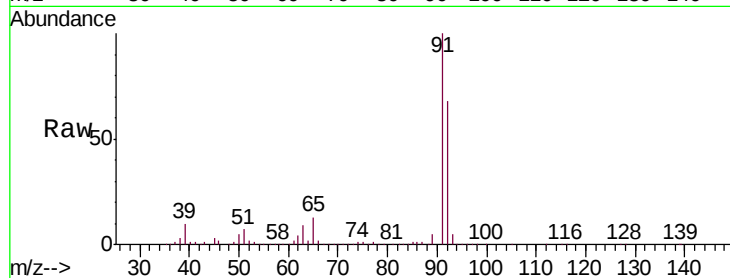
30459-61RE

Tgt Ion: 75 Resp: 112953

Ion Ratio Lower Upper

75 100

77 166.3 25.5 38.3#



#55

1,1,2-Trichloroethane

Concen: 28.541 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

Tgt Ion: 97 Resp: 48496

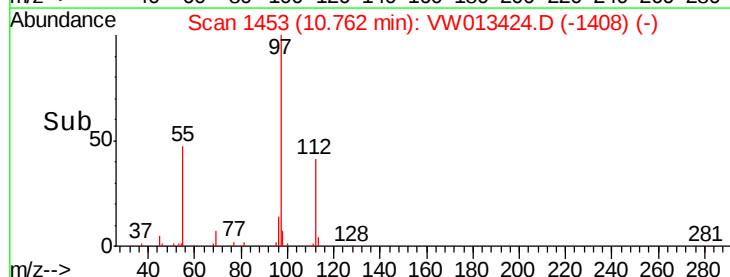
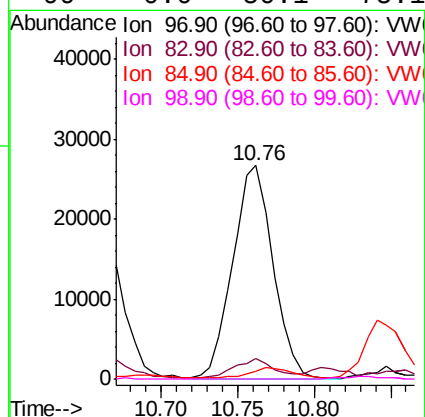
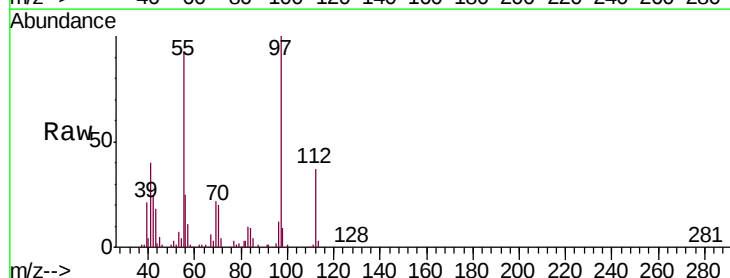
Ion Ratio Lower Upper

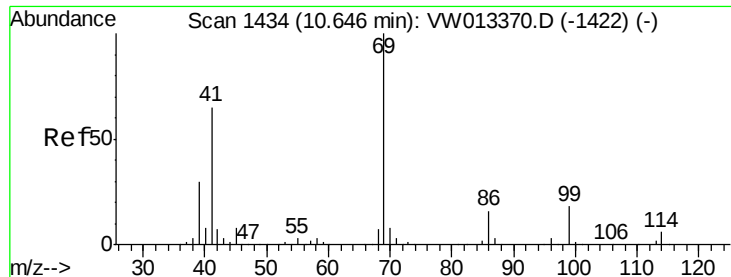
97 100

83 9.1 67.6 101.4#

85 3.4 41.9 62.9#

99 0.0 50.1 75.1#

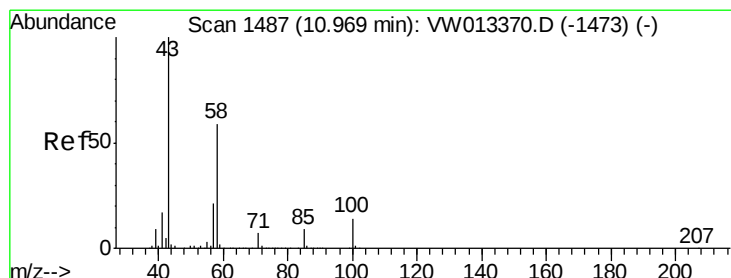
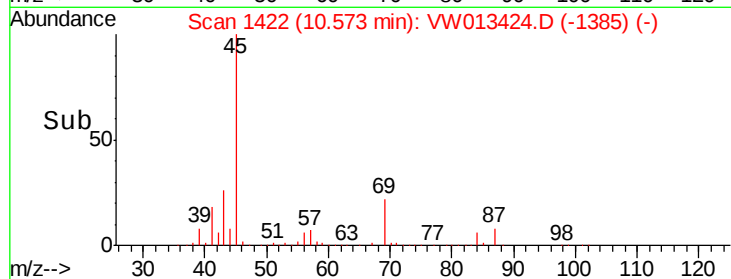
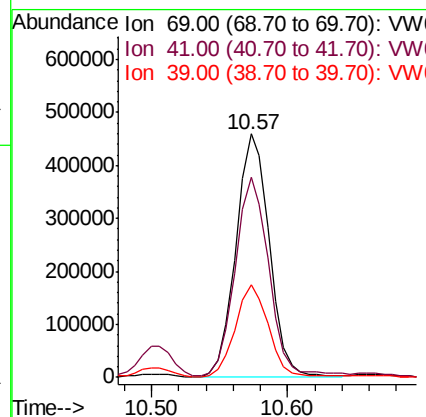
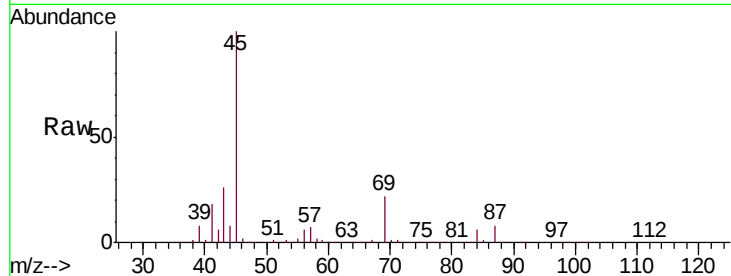




#56
Ethyl methacrylate
Concen: 340.865 ug/l
RT: 10.57 min Scan# 1422
Delta R.T. -0.07 min
Lab File: VW013424.D
Acq: 03 Oct 2019 16:36

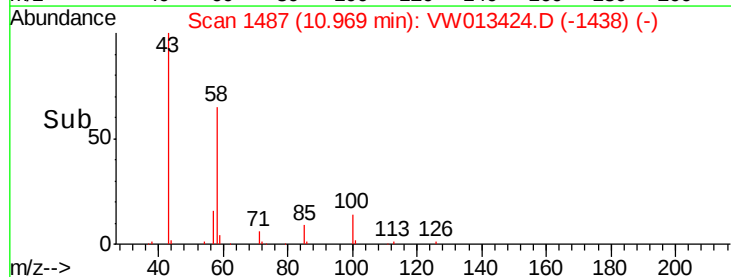
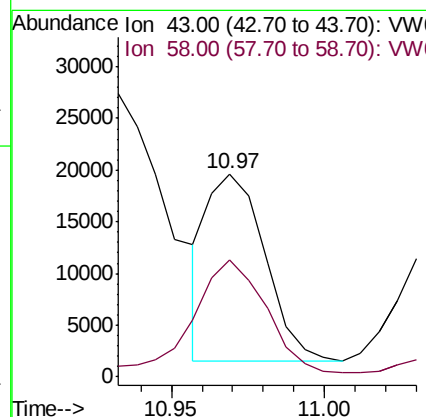
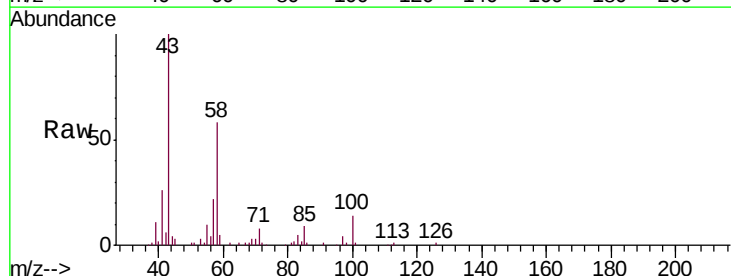
Instrument :
MSVOA_W
ClientSampleId :
30459-61RE

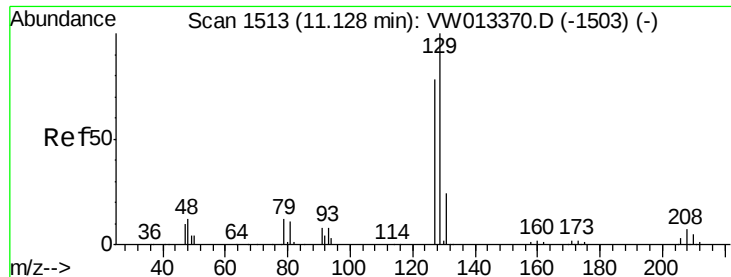
Tgt Ion: 69 Resp: 779576
Ion Ratio Lower Upper
69 100
41 83.0 53.9 80.9#
39 37.7 23.8 35.6#



#59
2-Hexanone
Concen: 23.395 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013424.D
Acq: 03 Oct 2019 16:36

Tgt Ion: 43 Resp: 23810
Ion Ratio Lower Upper
43 100
58 82.7 28.1 84.2

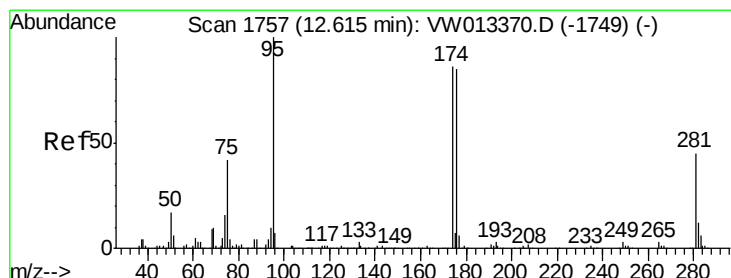
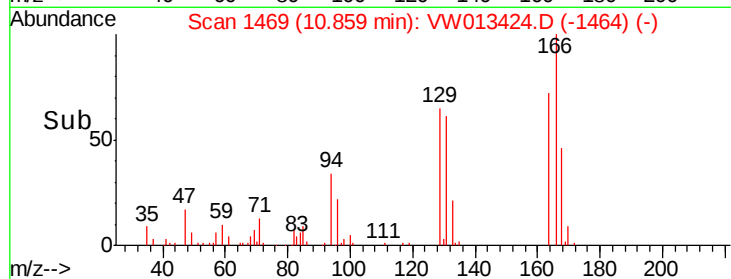
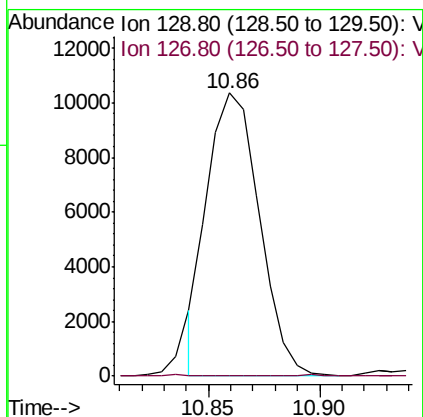
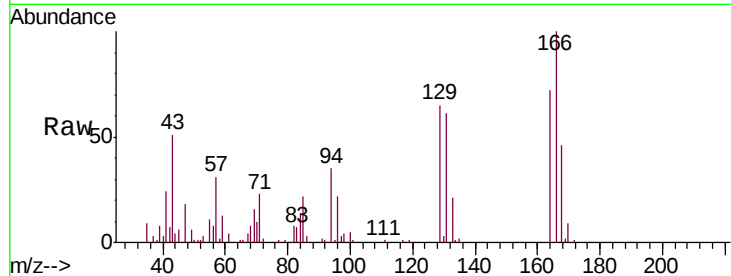




#60
 Dibromochloromethane
 Concen: 8.707 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.27 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 16:36

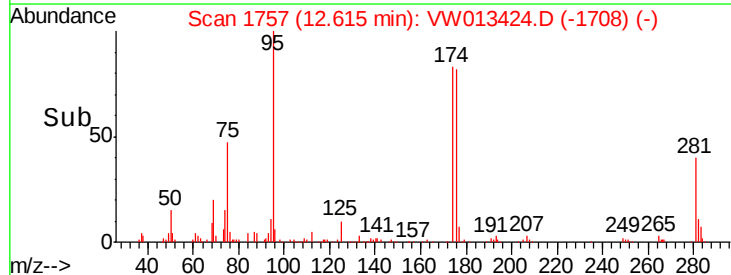
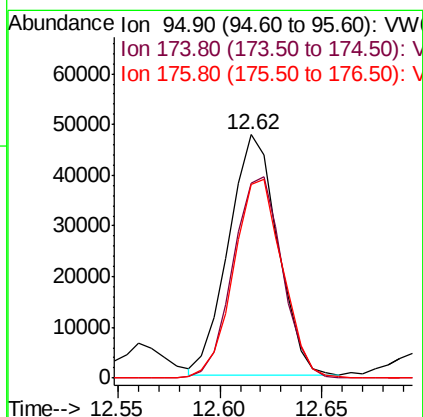
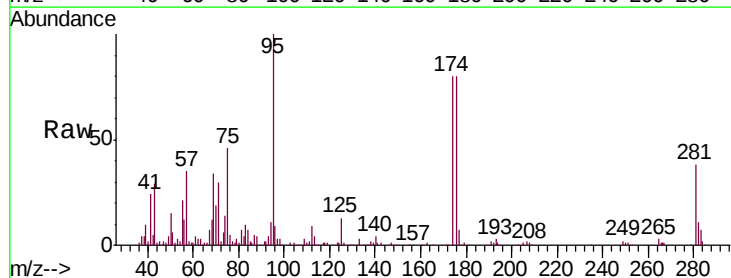
Instrument :
 MSVOA_W
 ClientSampleId :
 30459-61RE

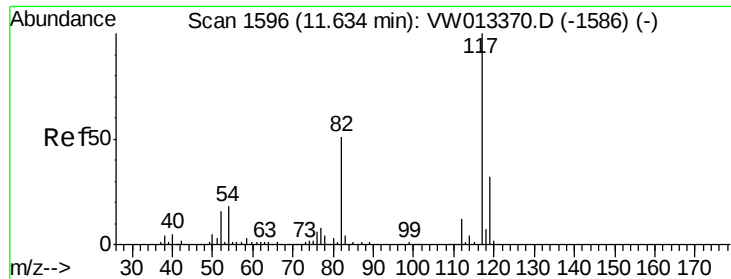
Tgt Ion: 129 Resp: 16926
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.8 116.4#



#62
 4-Bromofluorobenzene
 Concen: 29.932 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 16:36

Tgt Ion: 95 Resp: 78843
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 178.4
 176 82.8 0.0 172.2

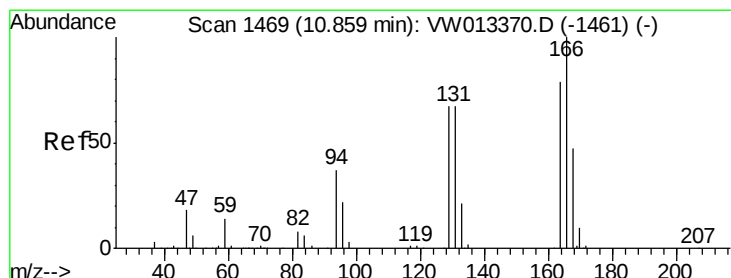
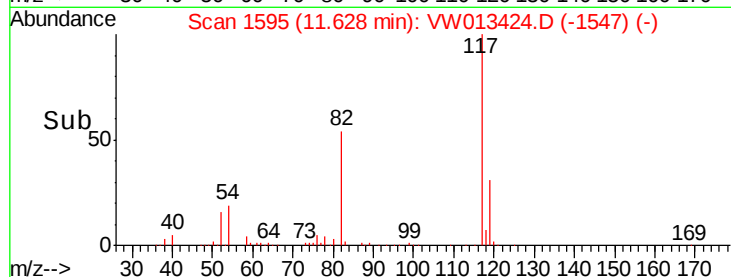
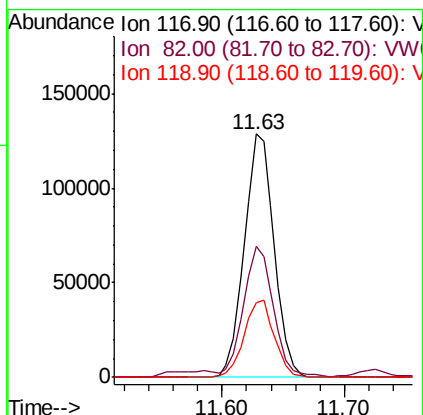
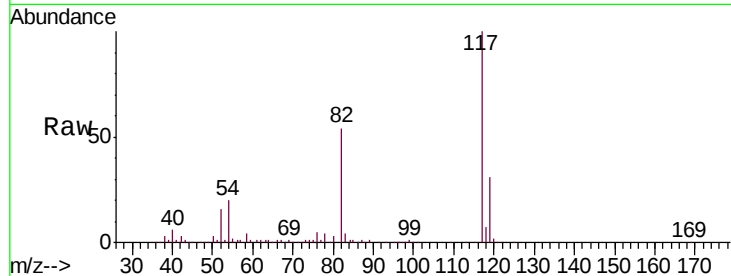




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013424.D
Acq: 03 Oct 2019 16:36

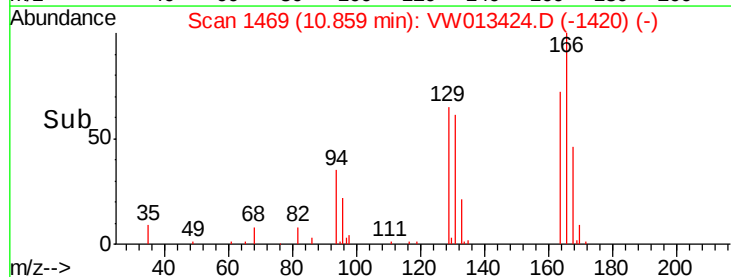
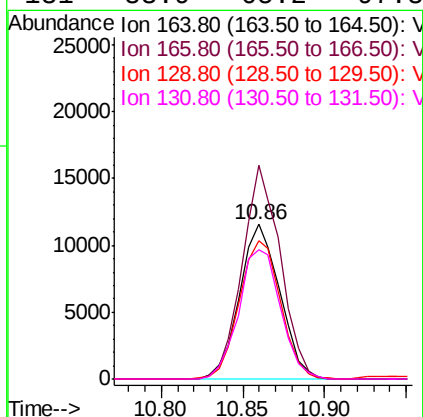
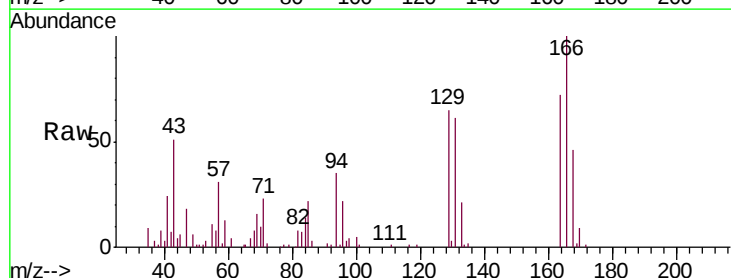
Instrument :
MSVOA_W
ClientSampleId :
30459-61RE

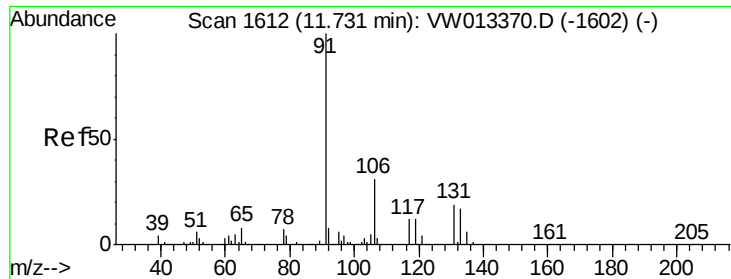
Tgt Ion:117 Resp: 217628
Ion Ratio Lower Upper
117 100
82 53.5 45.9 68.9
119 30.8 26.2 39.2



#64
Tetrachloroethene
Concen: 11.999 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013424.D
Acq: 03 Oct 2019 16:36

Tgt Ion:164 Resp: 19867
Ion Ratio Lower Upper
164 100
166 138.0 101.2 151.8
129 89.4 68.8 103.2
131 83.9 65.2 97.8

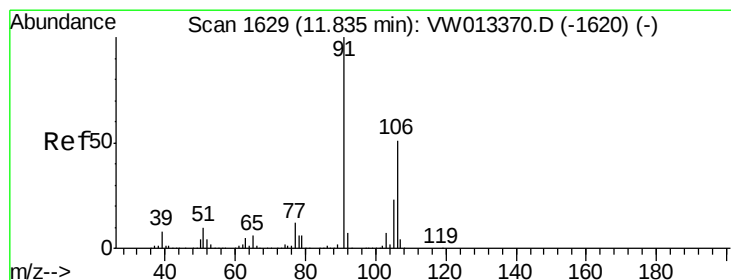
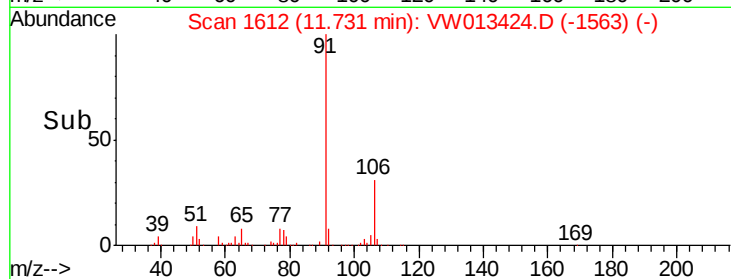
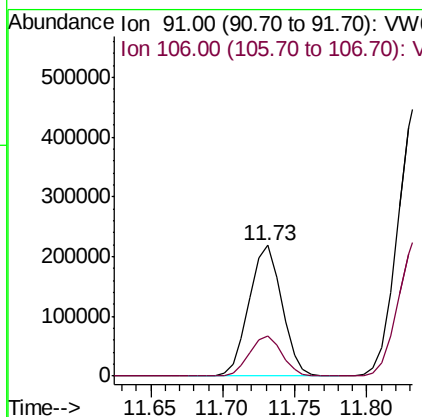
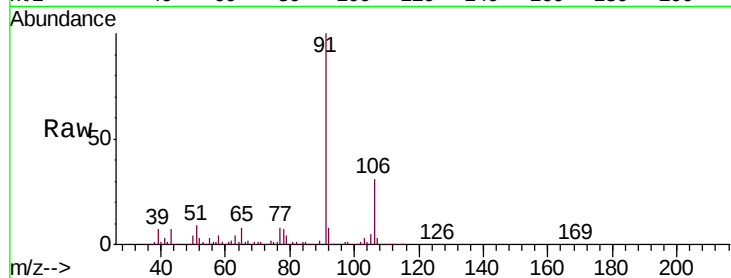




#67
 Ethyl Benzene
 Concen: 43.439 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 16:36

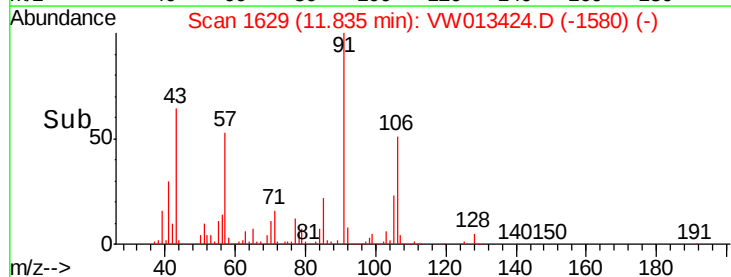
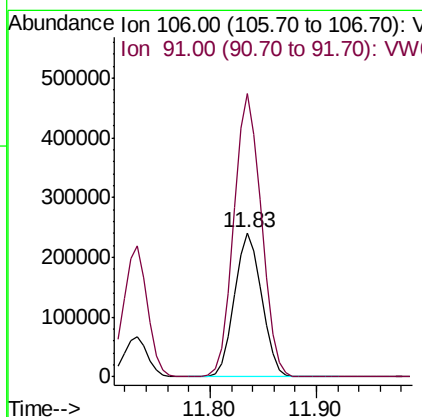
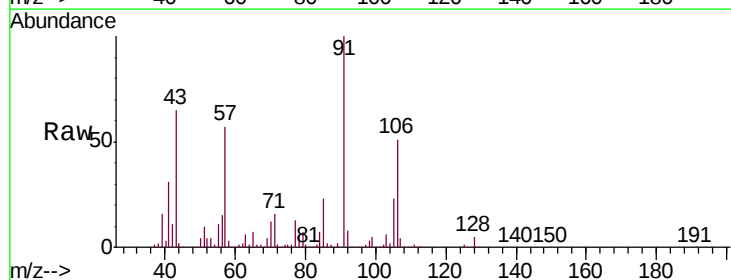
Instrument :
 MSVOA_W
 ClientSampleId :
 30459-61RE

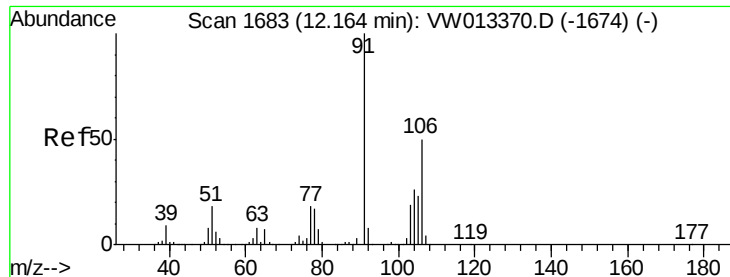
Tgt Ion: 91 Resp: 347113
 Ion Ratio Lower Upper
 91 100
 106 30.9 24.9 37.3



#68
 m/p-Xylenes
 Concen: 140.627 ug/l
 RT: 11.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 16:36

Tgt Ion: 106 Resp: 433745
 Ion Ratio Lower Upper
 106 100
 91 198.0 157.9 236.9

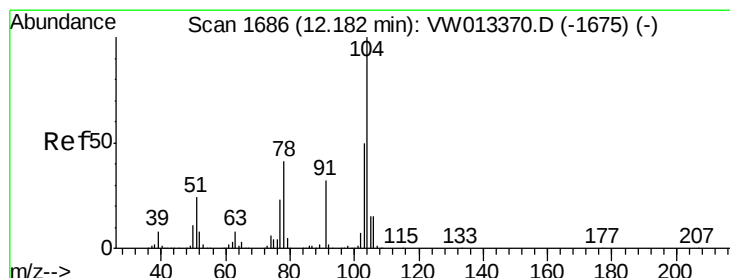
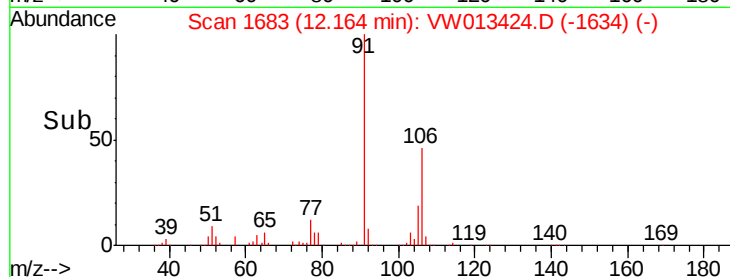
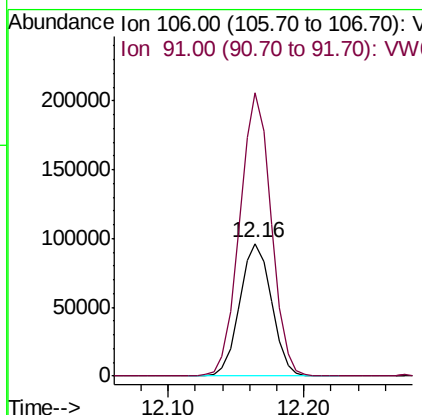
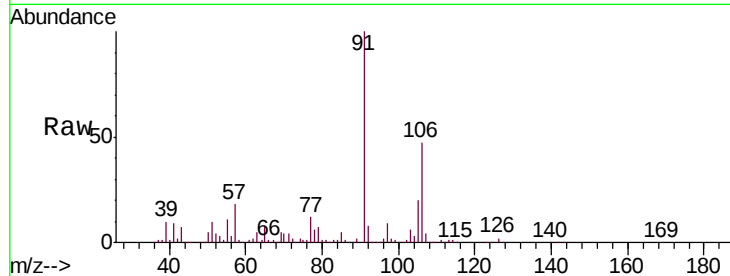




#69
o-Xylene
Concen: 55.256 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013424.D
Acq: 03 Oct 2019 16:36

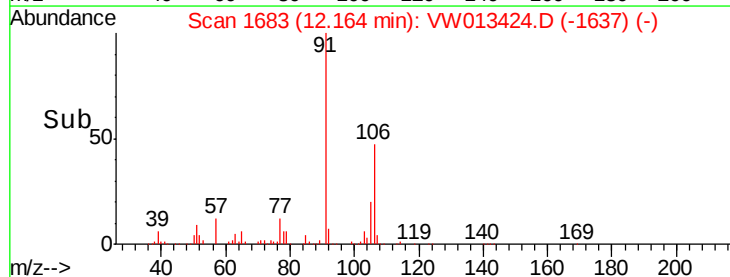
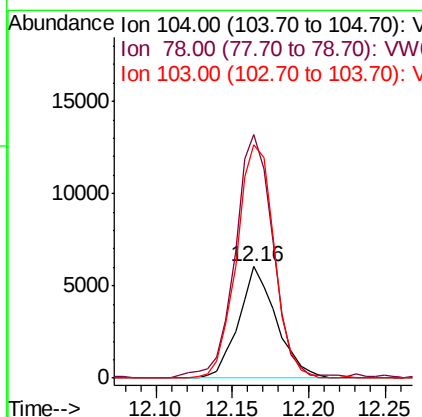
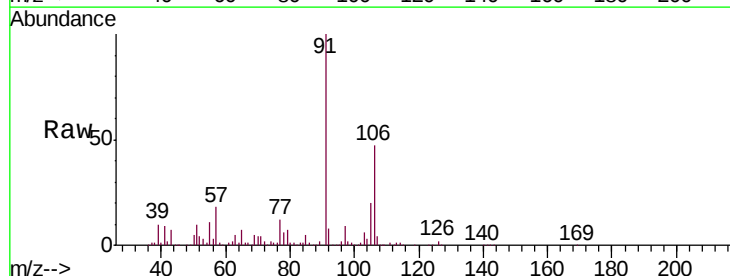
Instrument :
MSVOA_W
ClientSampleId :
30459-61RE

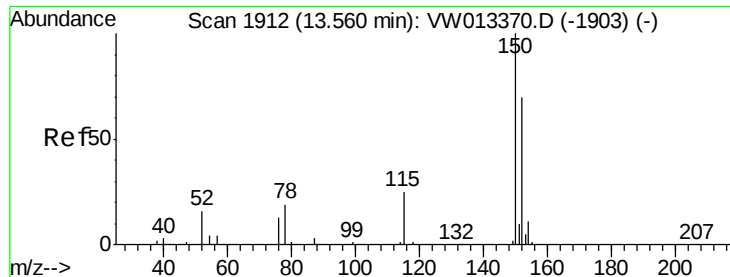
Tgt Ion:106 Resp: 157577
Ion Ratio Lower Upper
106 100
91 211.3 106.5 319.5



#70
Styrene
Concen: 2.127 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.02 min
Lab File: VW013424.D
Acq: 03 Oct 2019 16:36

Tgt Ion:104 Resp: 10369
Ion Ratio Lower Upper
104 100
78 220.3 38.4 57.6#
103 207.6 43.3 64.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_W

ClientSampleId :

30459-61RE

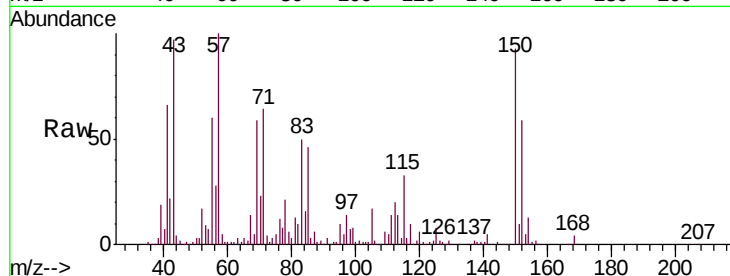
Tgt Ion:152 Resp: 52103

Ion Ratio Lower Upper

152 100

115 70.9 27.3 81.9

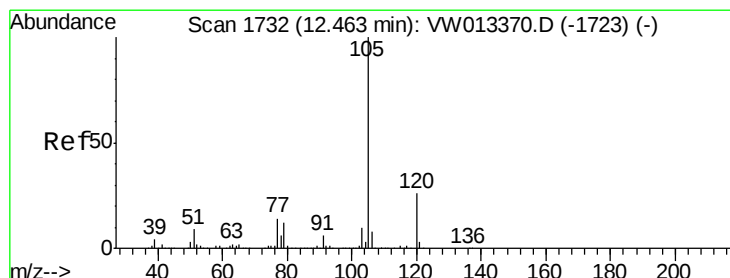
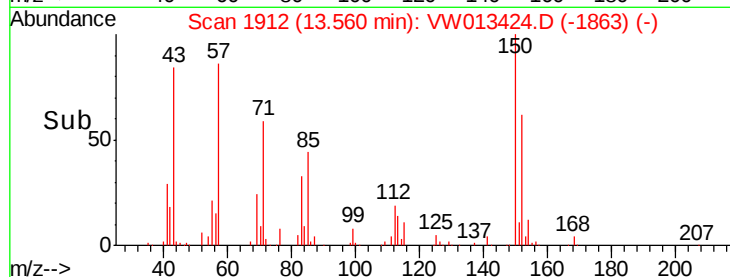
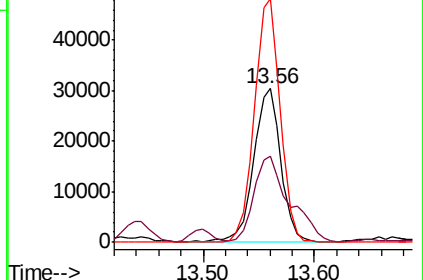
150 149.4 0.0 349.0



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: 19.275 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013424.D

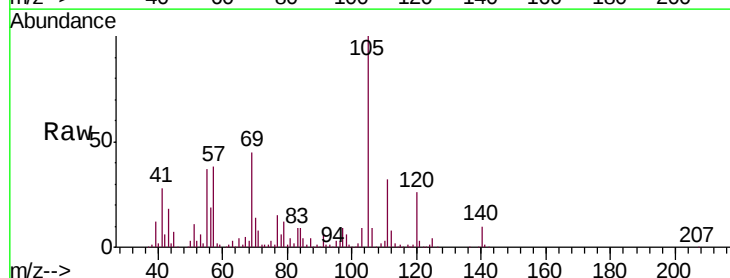
Acq: 03 Oct 2019 16:36

Tgt Ion:105 Resp: 73460

Ion Ratio Lower Upper

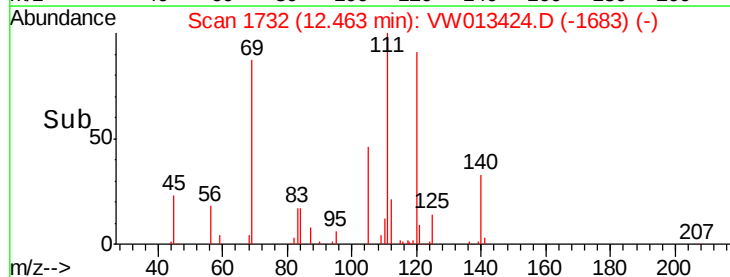
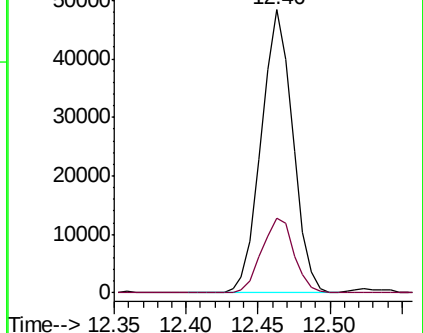
105 100

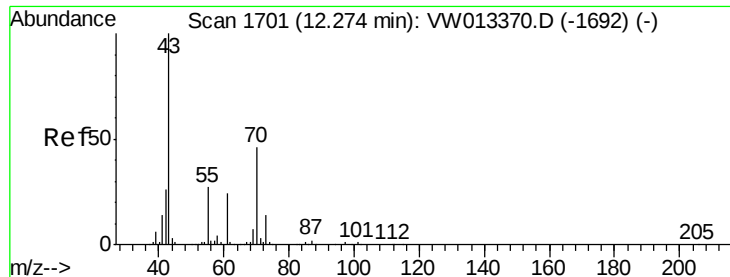
120 27.0 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 232.158 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_W

ClientSampleID :

30459-61RE

Tgt Ion: 43 Resp: 188304

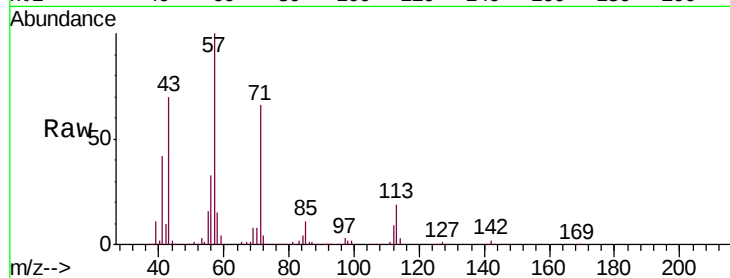
Ion Ratio Lower Upper

43 100

70 12.0 35.1 52.7#

55 15.0 19.9 29.9#

61 0.0 19.5 29.3#

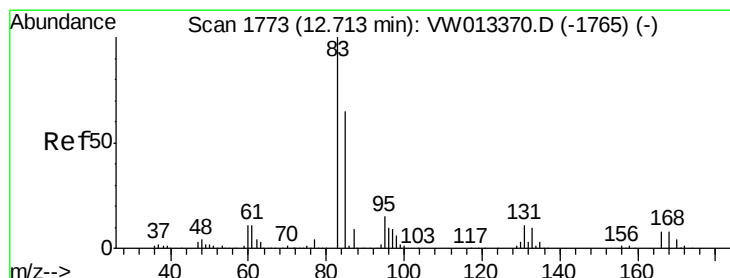
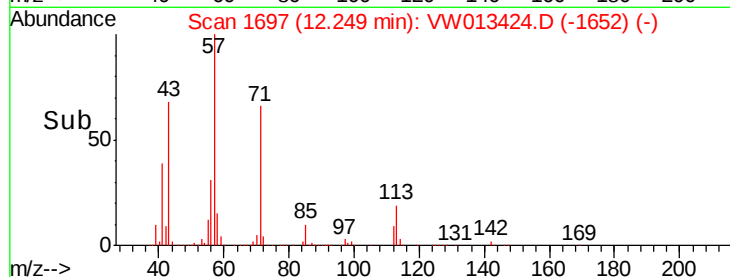
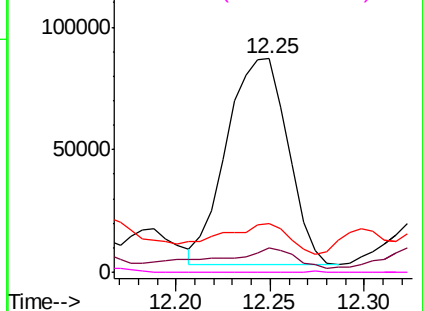


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 3.761 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.03 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

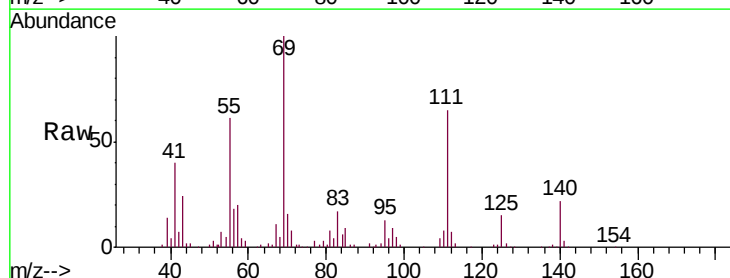
Tgt Ion: 83 Resp: 2426

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

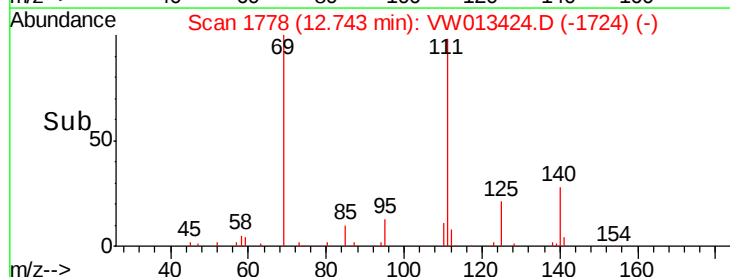
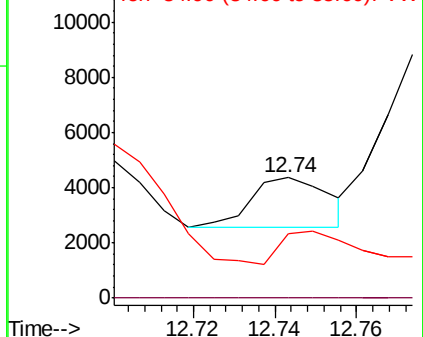
85 0.0 31.9 95.9#

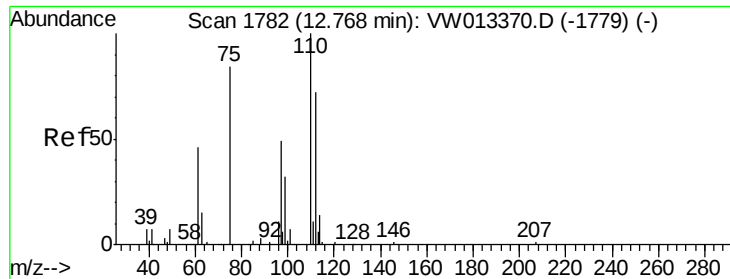


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW

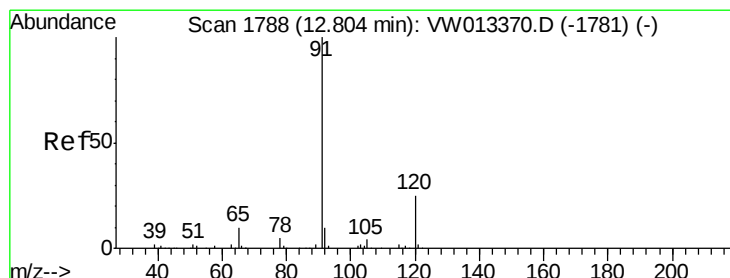
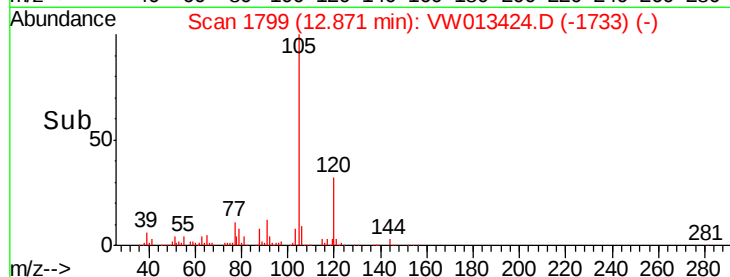
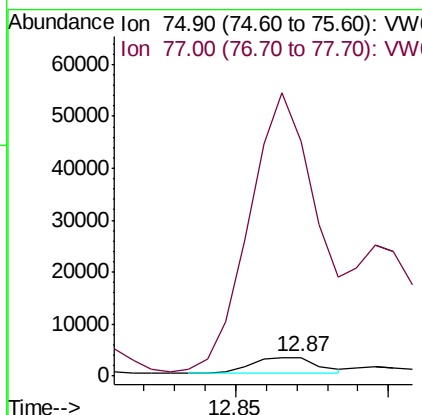
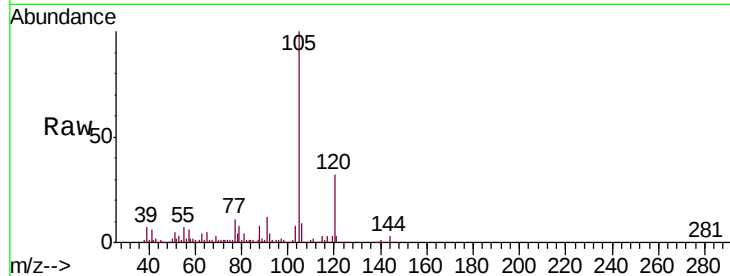




#76
 1,2,3-Trichloropropane
 Concen: 10.264 ug/l
 RT: 12.87 min Scan# 1799
 Delta R.T. 0.10 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 16:36

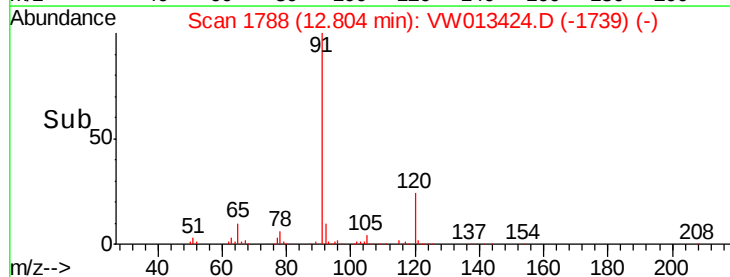
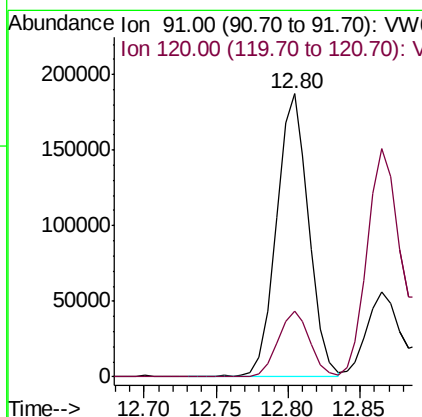
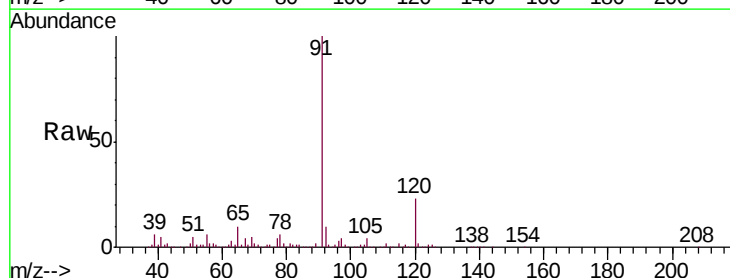
Instrument :
 MSVOA_W
 ClientSampled :
 30459-61RE

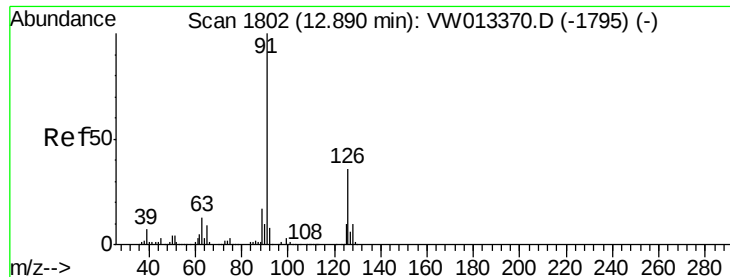
Tgt Ion: 75 Resp: 4753
 Ion Ratio Lower Upper
 75 100
 77 1889.9 0.0 0.0#



#78
 n-propylbenzene
 Concen: 66.170 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 16:36

Tgt Ion: 91 Resp: 290090
 Ion Ratio Lower Upper
 91 100
 120 23.3 11.7 35.1

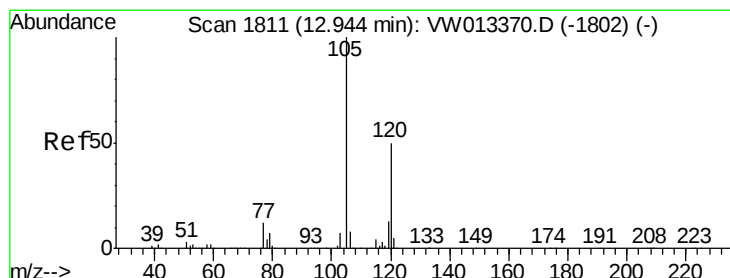
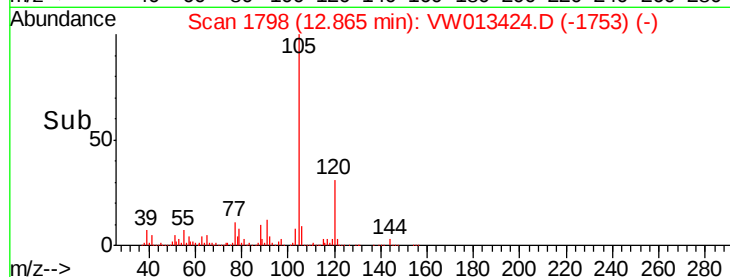
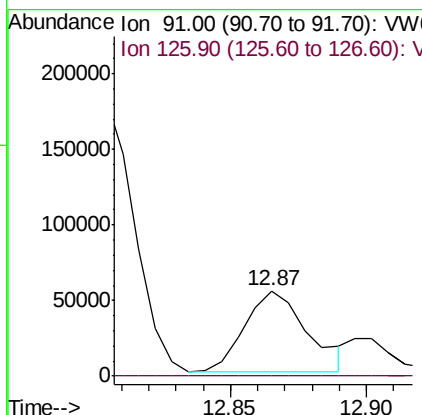
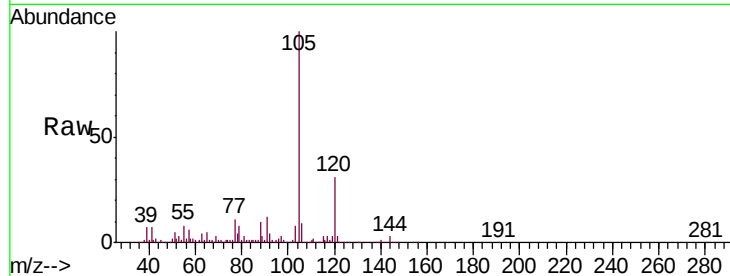




#79
 2-Chlorotoluene
 Concen: 35.126 ug/l
 RT: 12.87 min Scan# 1798
 Delta R.T. -0.02 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 16:36

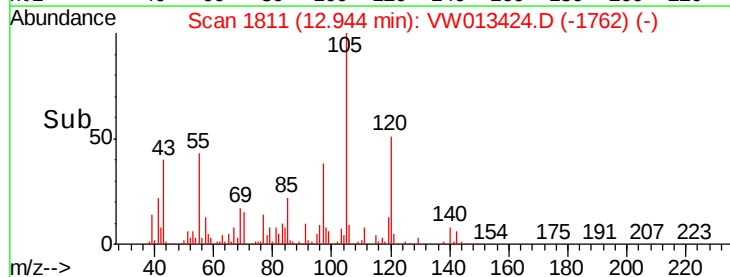
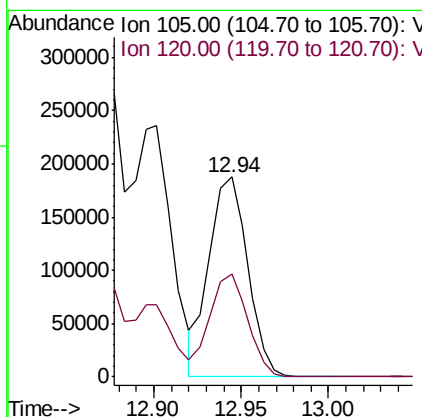
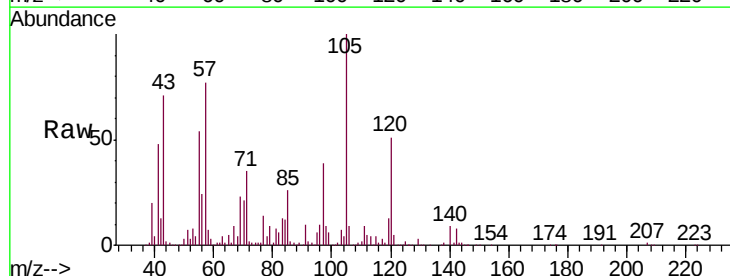
Instrument :
 MSVOA_W
 ClientSampleId :
 30459-61RE

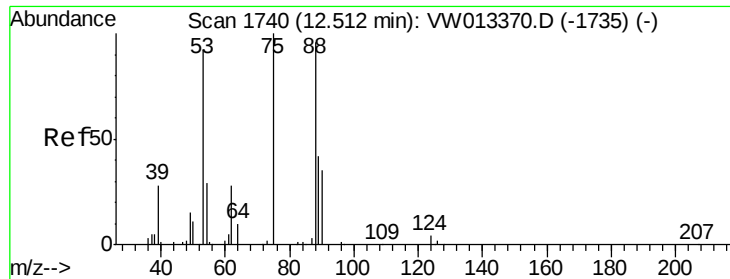
Tgt Ion: 91 Resp: 85532
 Ion Ratio Lower Upper
 91 100
 126 0.8 17.2 51.5#



#80
 1,3,5-Trimethylbenzene
 Concen: 91.240 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 16:36

Tgt Ion: 105 Resp: 288861
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 571.484 ug/l

RT: 12.52 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_W

ClientSampleId :

30459-61RE

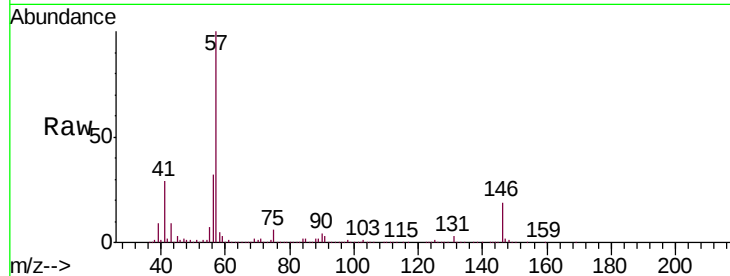
Tgt Ion: 75 Resp: 134864

Ion Ratio Lower Upper

75 100

53 31.6 76.6 114.8#

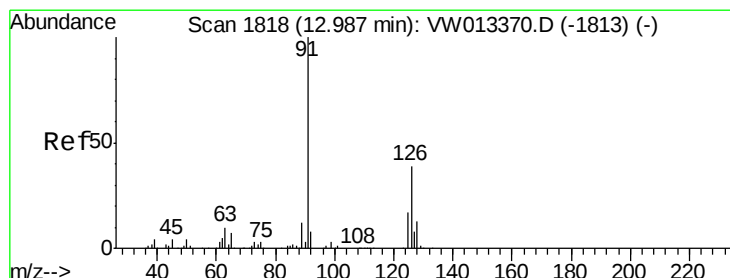
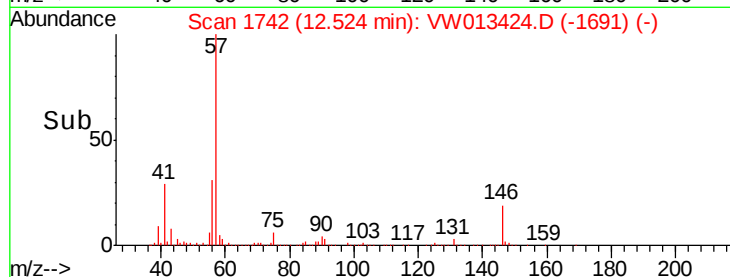
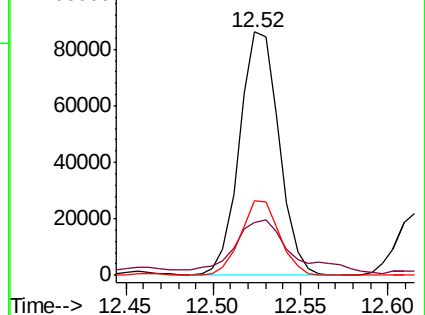
89 30.5 33.5 50.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 11.231 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.04 min

Lab File: VW013424.D

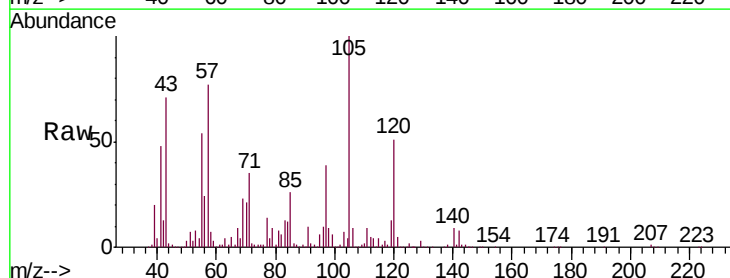
Acq: 03 Oct 2019 16:36

Tgt Ion: 91 Resp: 28647

Ion Ratio Lower Upper

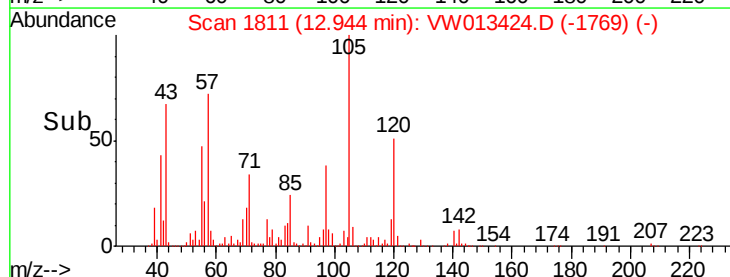
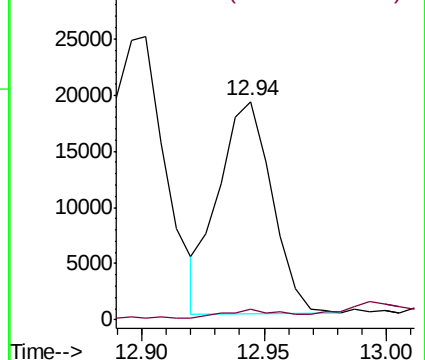
91 100

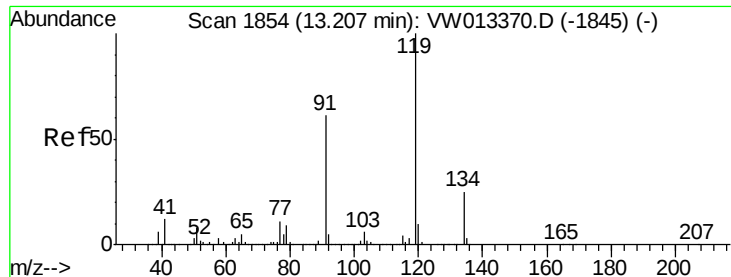
126 5.2 17.3 51.7#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

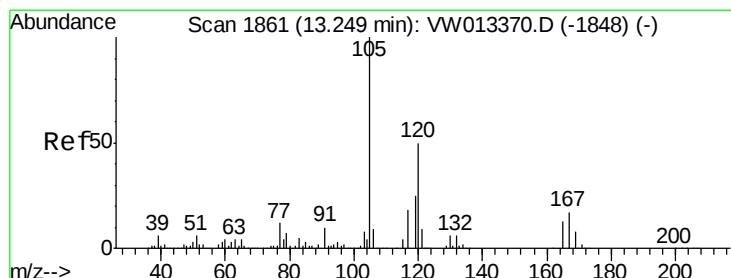
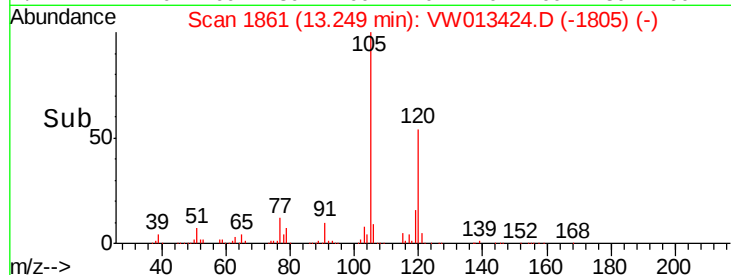
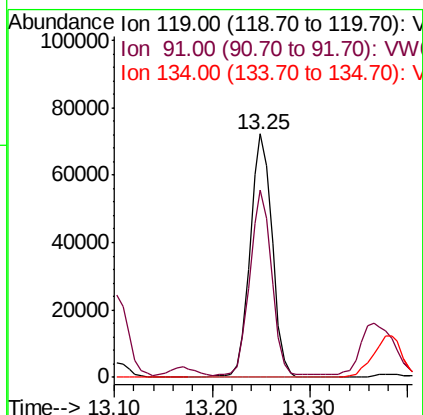
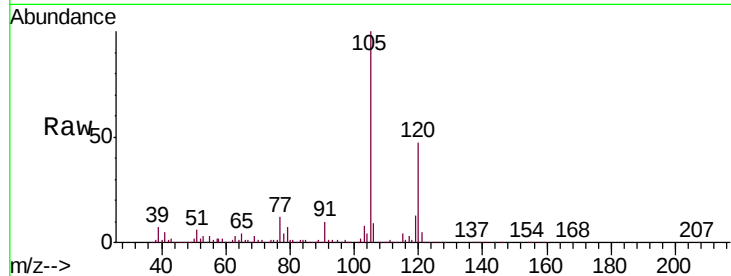




#83
tert-Butylbenzene
Concen: 40.701 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.04 min
Lab File: VW013424.D
Acq: 03 Oct 2019 16:36

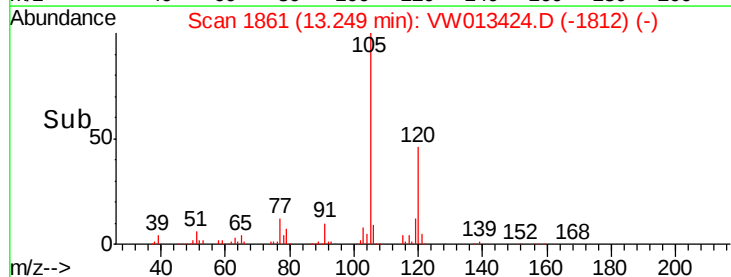
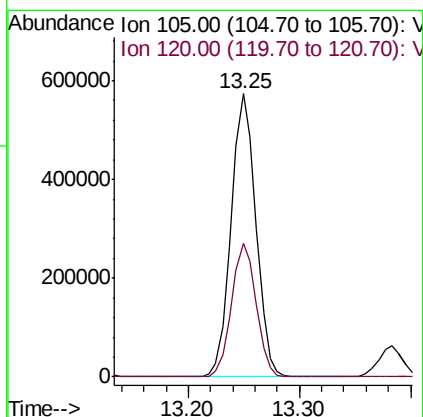
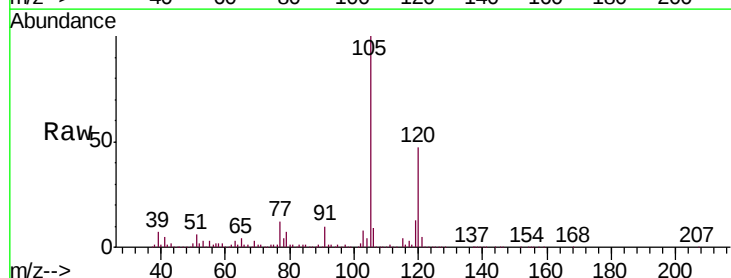
Instrument :
MSVOA_W
ClientSampleId :
30459-61RE

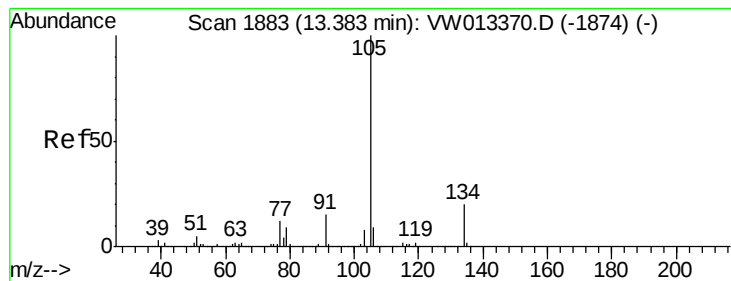
Tgt Ion:119 Resp: 112553
Ion Ratio Lower Upper
119 100
91 74.7 30.7 92.1
134 0.0 12.6 37.6#



#84
1,2,4-Trimethylbenzene
Concen: 279.855 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013424.D
Acq: 03 Oct 2019 16:36

Tgt Ion:105 Resp: 880792
Ion Ratio Lower Upper
105 100
120 46.8 23.4 70.3





#85

sec-Butylbenzene

Concen: 25.155 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_W

ClientSampleId :

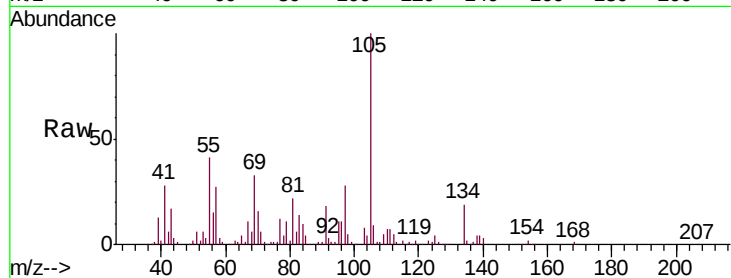
30459-61RE

Tgt Ion:105 Resp: 95906

Ion Ratio Lower Upper

105 100

134 26.5 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

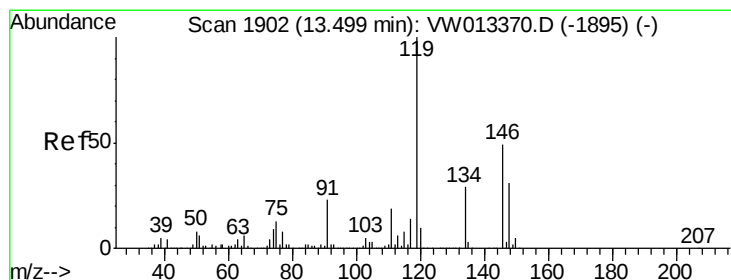
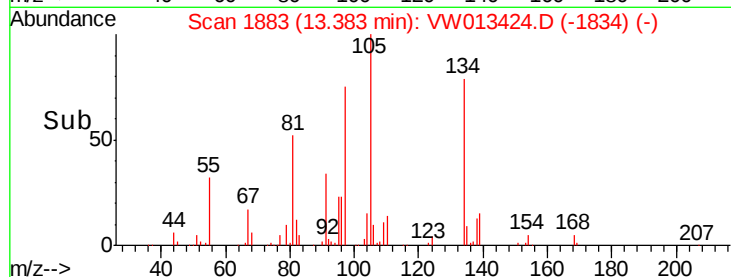
60000

40000

20000

0

Time--> 13.30 13.35 13.40



#86

p-Isopropyltoluene

Concen: 14.439 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

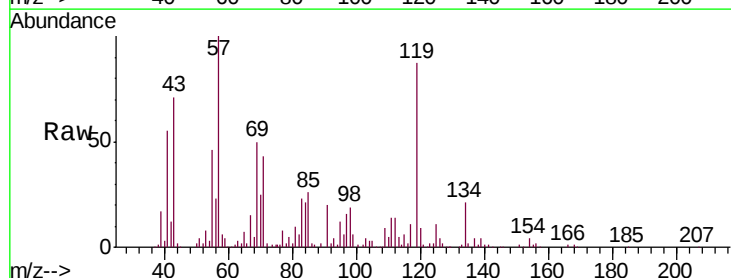
Tgt Ion:119 Resp: 51017

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 21.6 10.8 32.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

80000

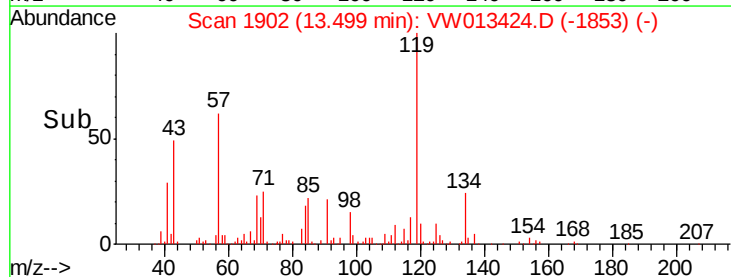
60000

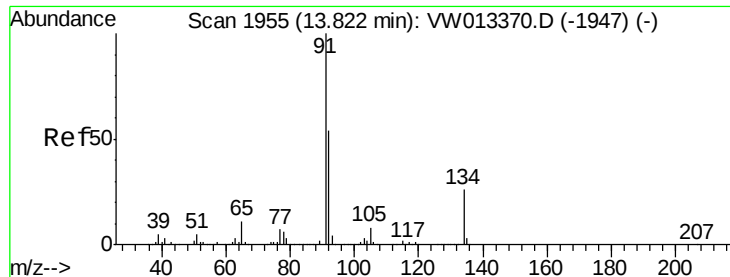
40000

20000

0

Time--> 13.45 13.50 13.55





#89

n-Butylbenzene

Concen: 39.565 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013424.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA_W

ClientSampleId :

30459-61RE

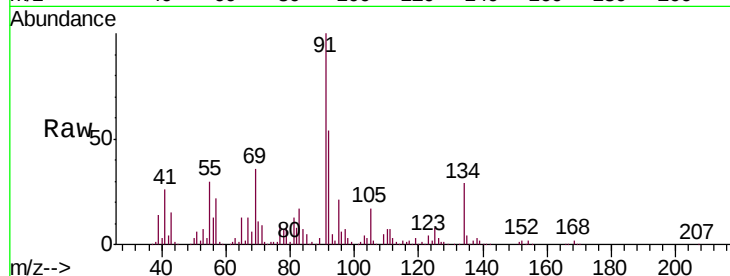
Tgt Ion: 91 Resp: 126036

Ion Ratio Lower Upper

91 100

92 44.9 27.6 82.8

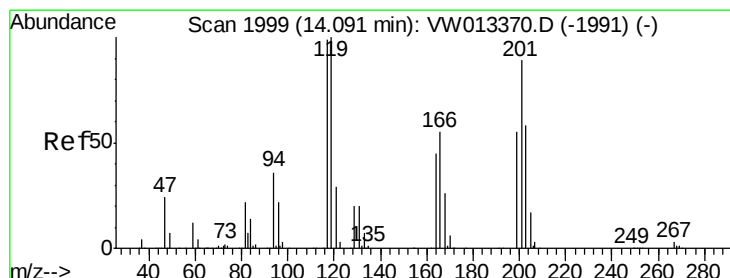
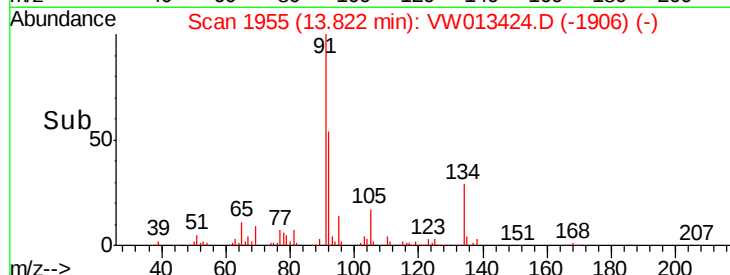
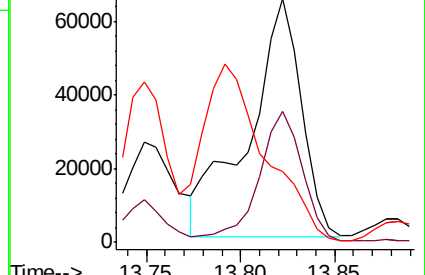
134 0.0 13.7 41.1#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW



#90

Hexachloroethane

Concen: 20.909 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW013424.D

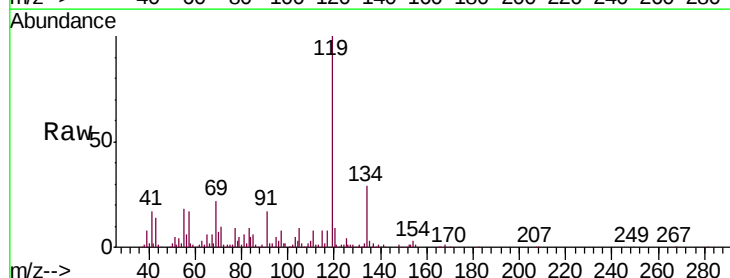
Acq: 03 Oct 2019 16:36

Tgt Ion: 117 Resp: 12206

Ion Ratio Lower Upper

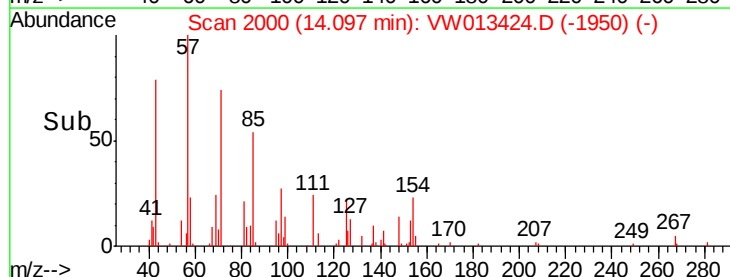
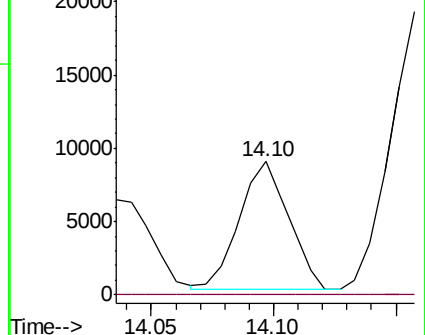
117 100

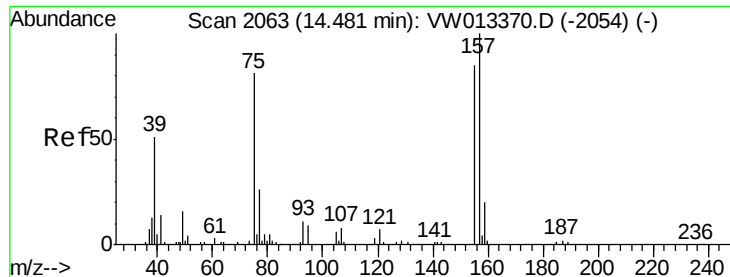
201 0.0 44.5 133.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

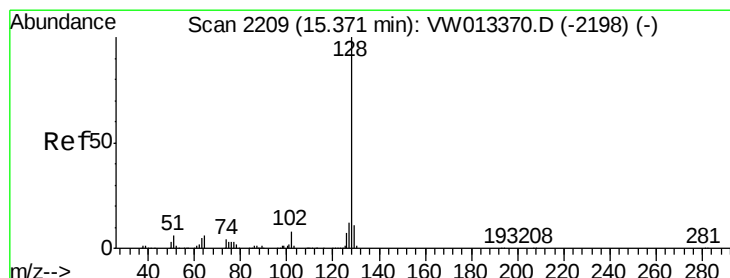
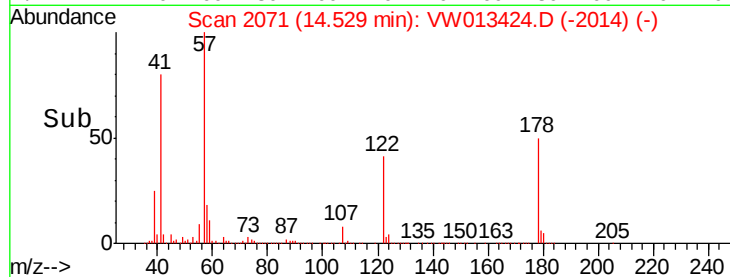
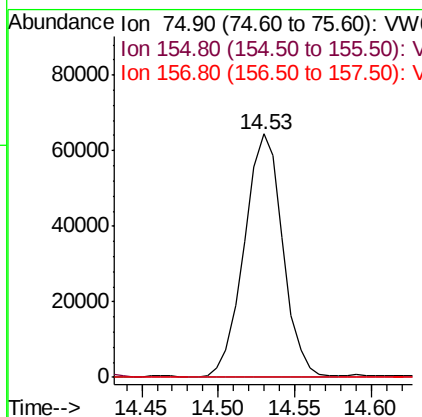
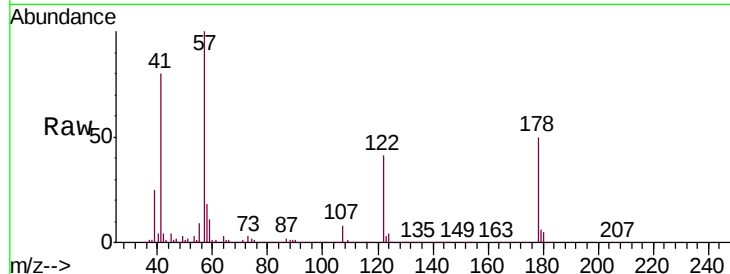




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1167.609 ug/l
 RT: 14.53 min Scan# 2071
 Delta R.T. 0.05 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 16:36

Instrument :
 MSVOA_W
 ClientSampleId :
 30459-61RE

Tgt Ion: 75 Resp: 112660
 Ion Ratio Lower Upper
 75 100
 155 0.1 46.1 138.3#
 157 0.0 60.4 181.2#



#95
 Naphthalene
 Concen: 65.665 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: VW013424.D
 Acq: 03 Oct 2019 16:36

Tgt Ion: 128 Resp: 120992
 Ion Ratio Lower Upper
 128 100
 127 14.6 10.6 15.8
 129 11.1 8.7 13.1

