

Data File : VW013423.D
Acq On : 03 Oct 2019 16:10
Operator : SY/VA
Sample : K5176-01
Misc : 1.49G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
30464-67RE

Quant Time: Oct 04 08:26:51 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	319812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	469516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	82465	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	129675	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
35) Dibromofluoromethane	7.88	113	72262	29.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.66%	
50) Toluene-d8	10.32	98	511991	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.62	95	114428	33.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.04%	

Target Compounds

						Qvalue
3) Chloromethane	2.32	50	40550	19.865	ug/l #	73
11) Tert butyl alcohol	5.23	59	150617	721.436	ug/l	100
13) Acrolein	3.84	56	9340	47.626	ug/l #	1
15) Acrylonitrile	5.35	53	2441	3.712	ug/l #	54
16) Acetone	4.13	43	264322	361.120	ug/l	98
18) Methyl Acetate	4.74	43	29795	17.392	ug/l #	51
19) Methyl tert-butyl Ether	5.41	73	4929	1.138	ug/l #	1
20) Methylene Chloride	4.90	84	11509	2.050	ug/l #	90
25) 2-Butanone	7.17	43	105827	112.992	ug/l	92
26) 2,2-Dichloropropane	7.15	77	1896	Below Cal	#	52
29) Tetrahydrofuran	7.54	42	8640	24.939	ug/l #	78
31) Cyclohexane	7.95	56	11320	2.072	ug/l #	29
36) 1,1-Dichloropropene	7.95	75	20492	4.699	ug/l #	48
37) Ethyl Acetate	7.17	43	105827	54.969	ug/l #	69
38) Carbon Tetrachloride	7.95	117	28130	7.447	ug/l #	18
39) Methylcyclohexane	9.34	83	9769	1.701	ug/l #	88
40) Benzene	8.32	78	327603	26.538	ug/l	90
41) Methacrylonitrile	7.56	41	29591	25.499	ug/l #	13
42) 1,2-Dichloroethane	8.32	62	3818	1.203	ug/l	98
43) Isopropyl Acetate	8.41	43	6851	1.891	ug/l #	50
48) Methyl methacrylate	9.41	41	11565	6.645	ug/l #	35
51) 4-Methyl-2-Pentanone	10.21	43	248802	130.729	ug/l	97
52) Toluene	10.38	92	535277	67.226	ug/l	99
55) 1,1,2-Trichloroethane	10.76	97	4387	1.992	ug/l #	25
58) 2-Chloroethyl Vinyl ether	9.89	63	2026	1.664	ug/l #	45
59) 2-Hexanone	10.97	43	41009	31.087	ug/l	75
66) 1,1,1,2-Tetrachloroethane	11.68	131	5441	2.455	ug/l #	35
67) Ethyl Benzene	11.73	91	236941	20.317	ug/l	99
68) m/p-Xylenes	11.83	106	472696	105.007	ug/l	100
69) o-Xylene	12.16	106	355455	85.403	ug/l	98
70) Styrene	12.18	104	71405	10.036	ug/l #	30
73) Isopropylbenzene	12.46	105	49745	8.247	ug/l	86
74) N-amyl acetate	12.24	43	224292	174.716	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.68	83	1530	1.499	ug/l #	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100319\
Quantitation Report (Not Reviewed)

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QLast Update : Wed Oct 02 11:49:57 2019
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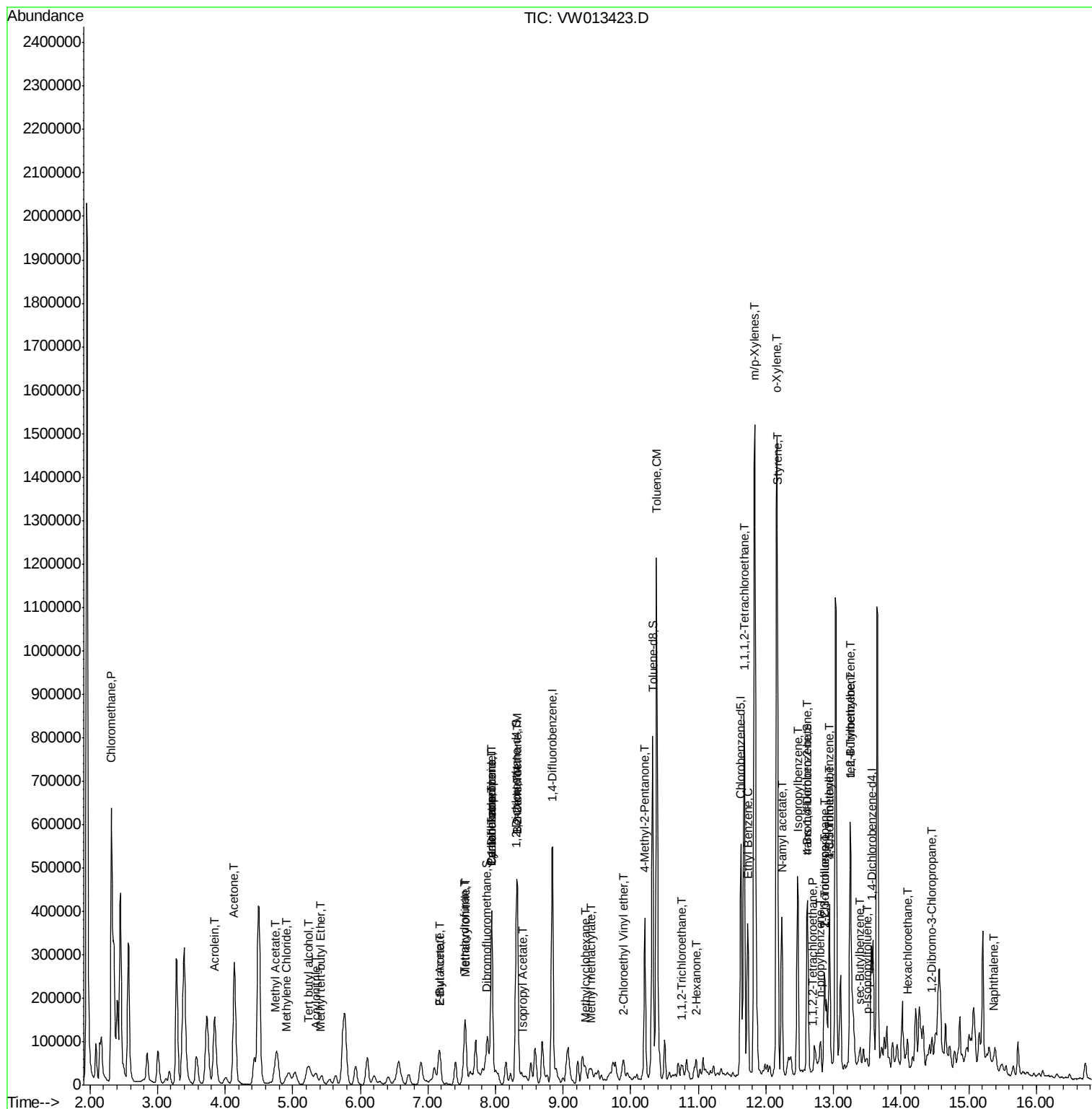
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,2,3-Trichloropropane	12.87	75	1698	2.317	ug/l #	100
78) n-propylbenzene	12.80	91	51553	7.430	ug/l	96
79) 2-Chlorotoluene	12.87	91	21694	5.629	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.94	105	184054	36.731	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	53300	145.853	ug/l #	13
82) 4-Chlorotoluene	12.94	91	17171	4.253	ug/l #	42
83) tert-Butylbenzene	13.25	119	42725	9.762	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.25	105	324513	65.146	ug/l	100
85) sec-Butylbenzene	13.38	105	15886	2.633	ug/l #	57
86) p-Isopropyltoluene	13.50	119	12066	2.158	ug/l	92
90) Hexachloroethane	14.10	117	3187	3.449	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.46	75	257	1.683	ug/l #	6
95) Naphthalene	15.36	128	10907	3.740	ug/l #	95

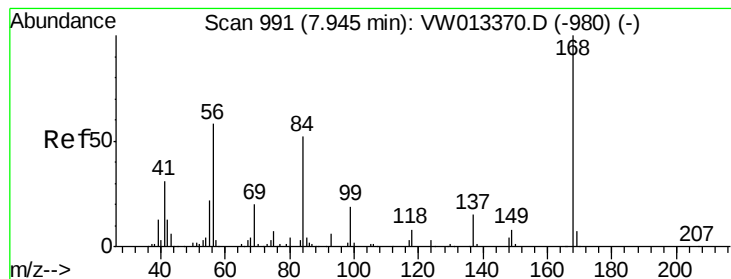
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013423.D

Acq: 03 Oct 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

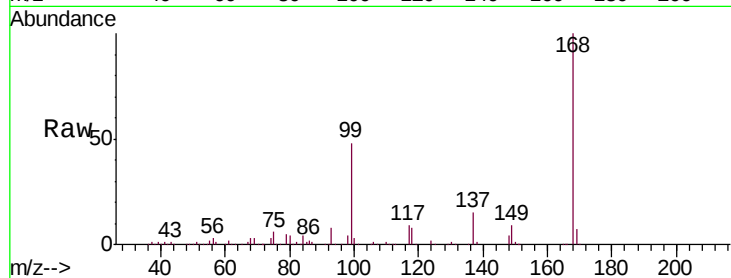
30464-67RE

Tgt Ion:168 Resp: 319812

Ion Ratio Lower Upper

168 100

99 47.9 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

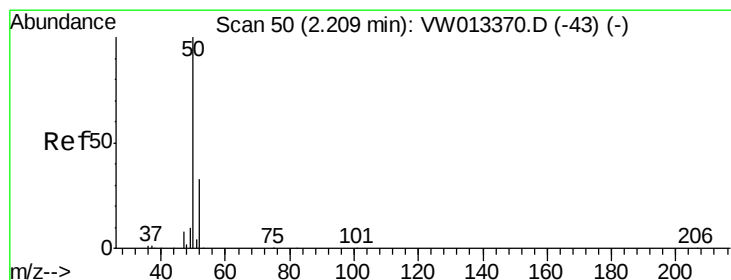
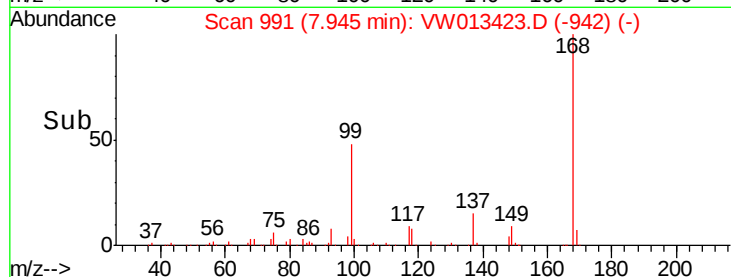
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#3

Chloromethane

Concen: 19.865 ug/l

RT: 2.32 min Scan# 68

Delta R.T. 0.11 min

Lab File: VW013423.D

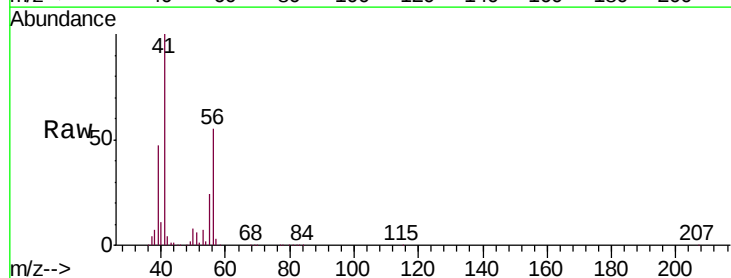
Acq: 03 Oct 2019 16:10

Tgt Ion: 50 Resp: 40550

Ion Ratio Lower Upper

50 100

52 17.6 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.32

20000

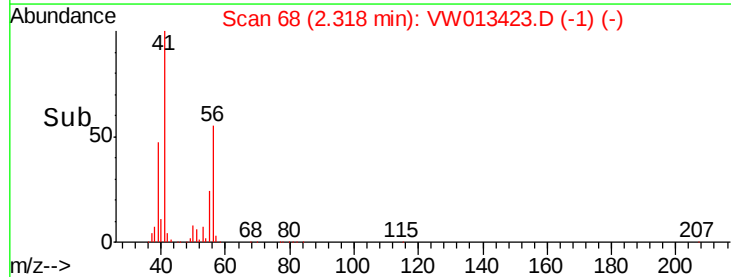
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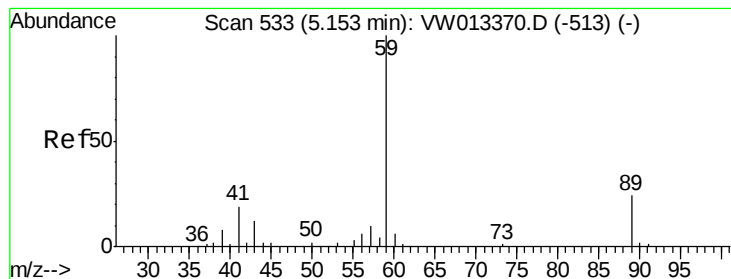
10000

5000

0

Time--> 2.20 2.25 2.30 2.35 2.40



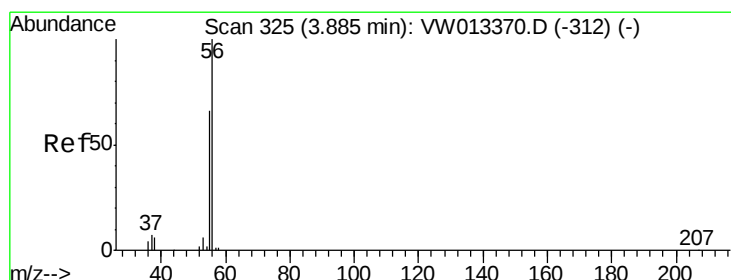
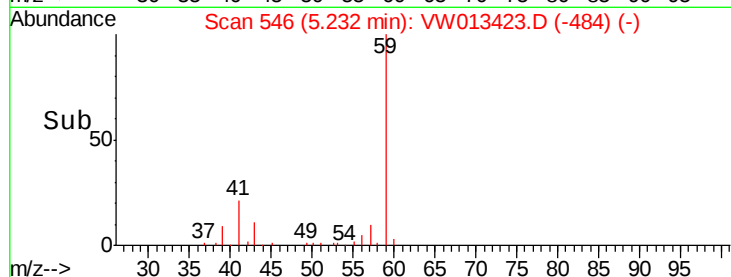
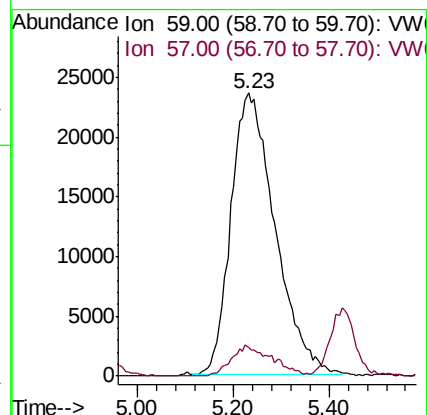
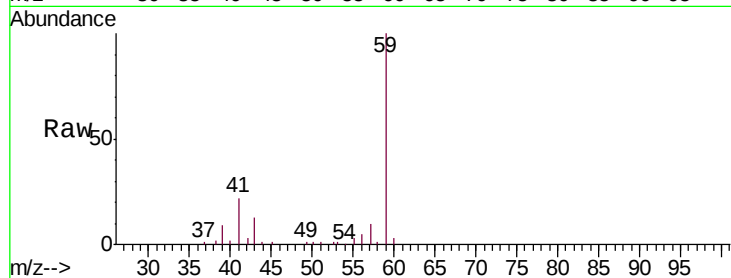


#11

Tert butyl alcohol
 Concen: 721.436 ug/l
 RT: 5.23 min Scan# 546
 Delta R.T. 0.08 min
 Lab File: VW013423.D
 Acq: 03 Oct 2019 16:10

Instrument :
 MSVOA_W
 ClientSampled :
 30464-67RE

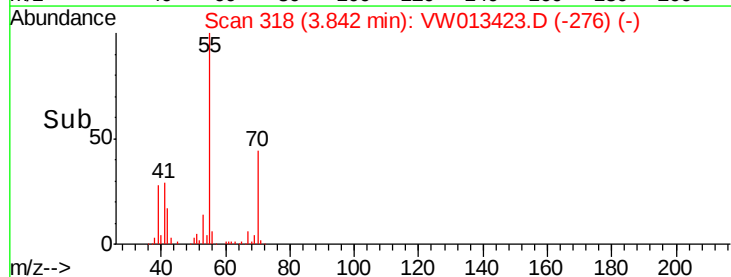
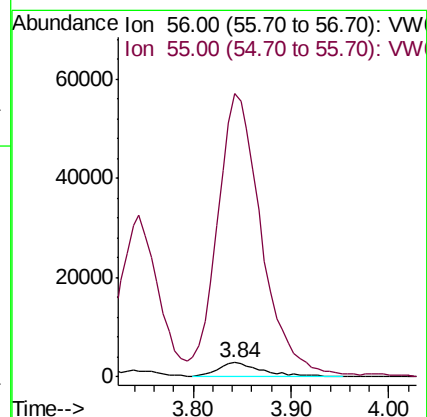
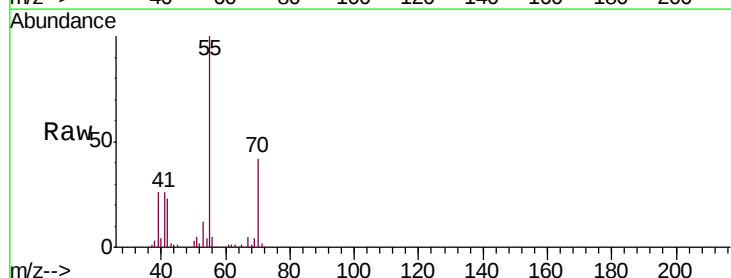
Tgt Ion: 59 Resp: 150617
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.2

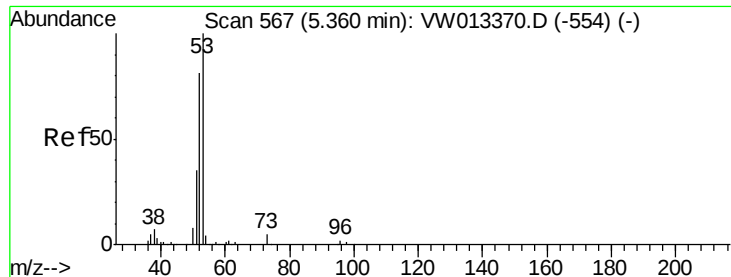


#13

Acrolein
 Concen: 47.626 ug/l
 RT: 3.84 min Scan# 318
 Delta R.T. -0.04 min
 Lab File: VW013423.D
 Acq: 03 Oct 2019 16:10

Tgt Ion: 56 Resp: 9340
 Ion Ratio Lower Upper
 56 100
 55 1890.8 55.4 83.0#





#15

Acrylonitrile

Concen: 3.712 ug/l

RT: 5.35 min Scan# 565

Delta R.T. -0.01 min

Lab File: VW013423.D

Acq: 03 Oct 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

30464-67RE

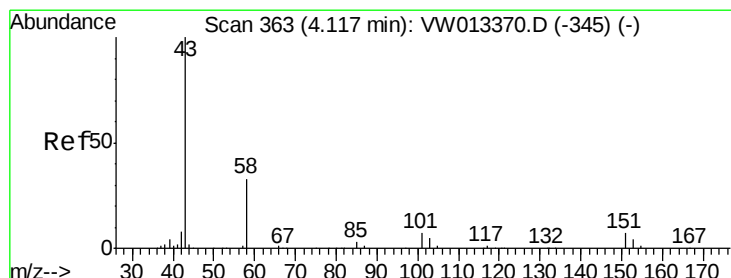
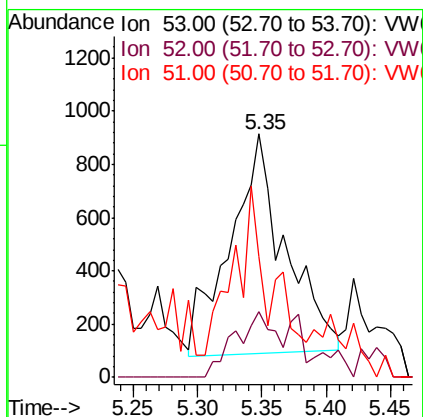
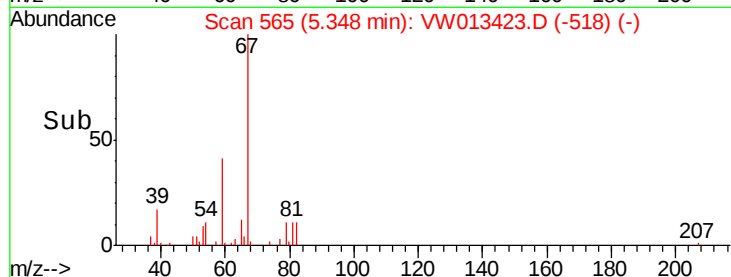
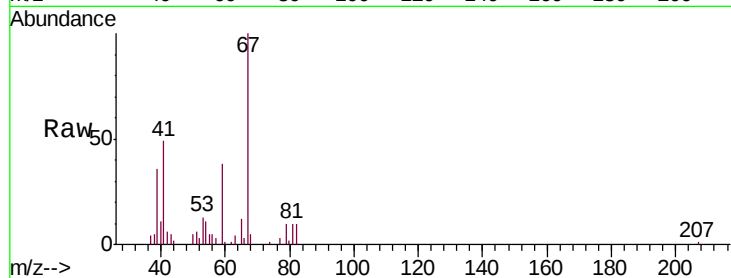
Tgt Ion: 53 Resp: 2441

Ion Ratio Lower Upper

53 100

52 22.2 65.3 97.9#

51 35.9 29.0 43.4



#16

Acetone

Concen: 361.120 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013423.D

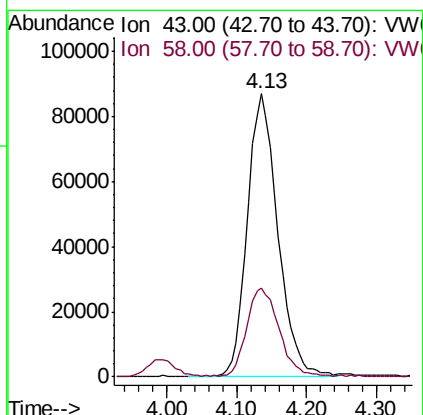
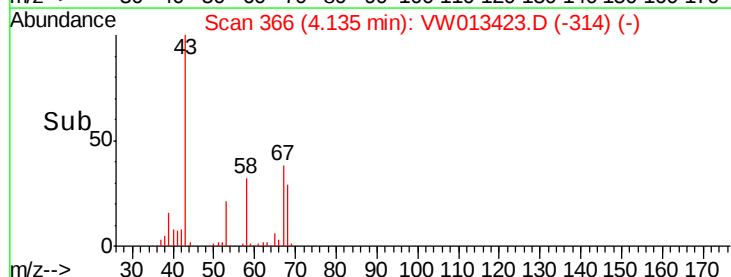
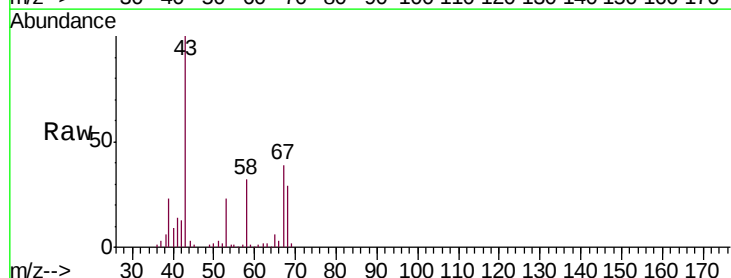
Acq: 03 Oct 2019 16:10

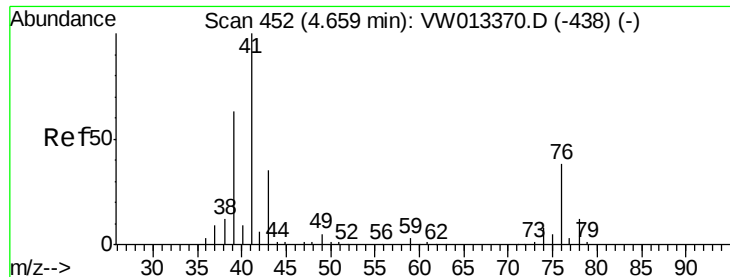
Tgt Ion: 43 Resp: 264322

Ion Ratio Lower Upper

43 100

58 31.1 24.1 36.1

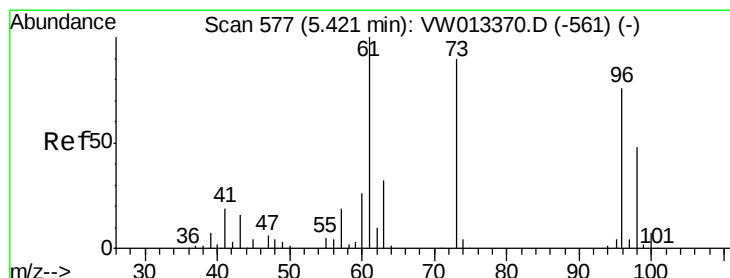
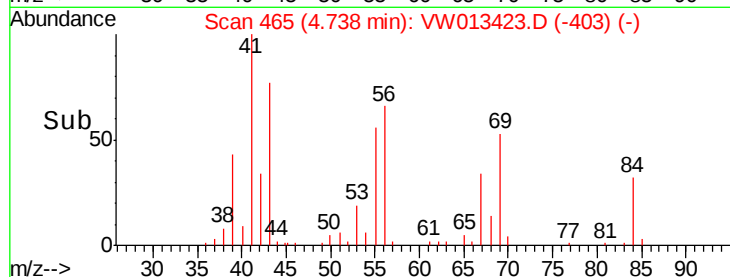
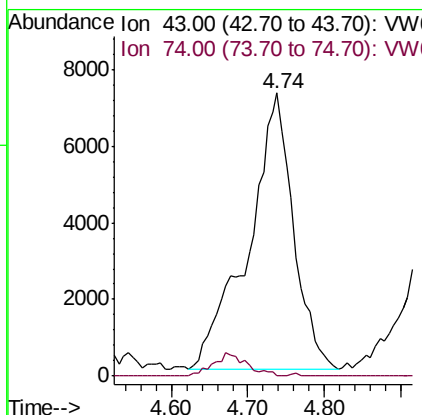
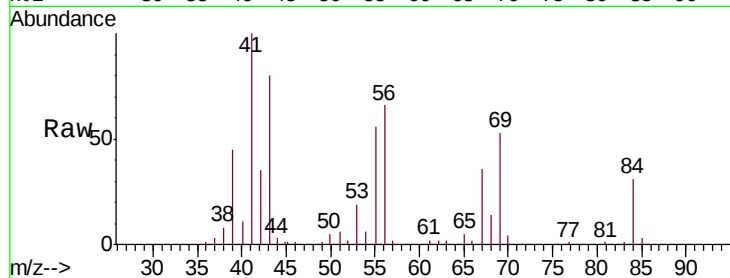




#18
Methyl Acetate
Concen: 17.392 ug/l
RT: 4.74 min Scan# 465
Delta R.T. 0.08 min
Lab File: VW013423.D
Acq: 03 Oct 2019 16:10

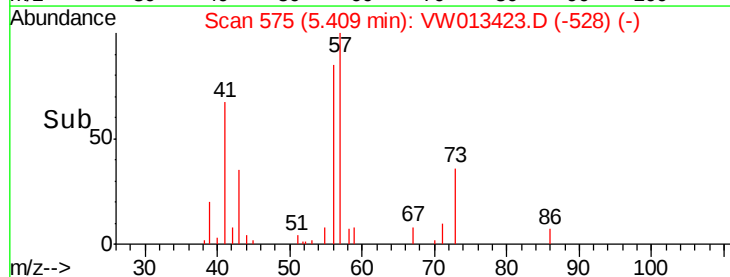
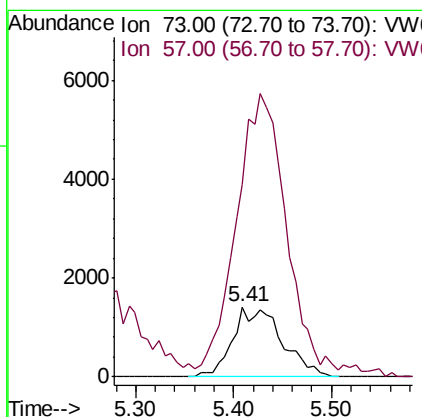
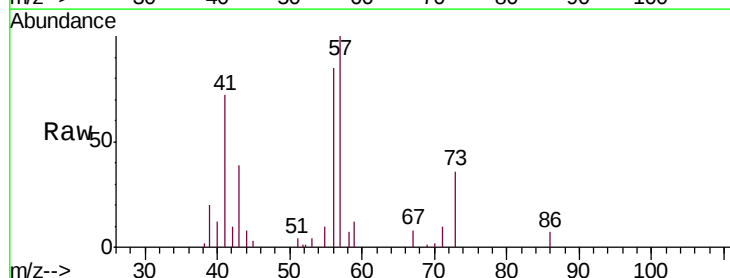
Instrument :
MSVOA_W
ClientSampled :
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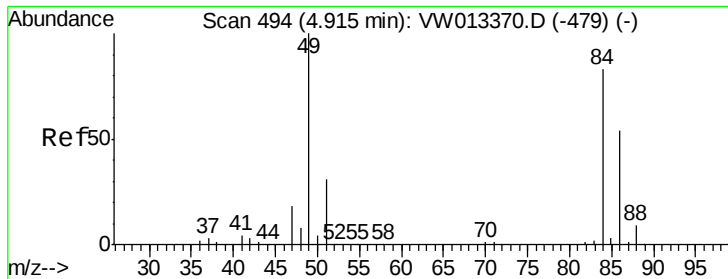
Tgt Ion: 43 Resp: 29795
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



#19
Methyl tert-butyl Ether
Concen: 1.138 ug/l
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW013423.D
Acq: 03 Oct 2019 16:10

Tgt Ion: 73 Resp: 4929
Ion Ratio Lower Upper
73 100
57 266.7 17.6 26.4#

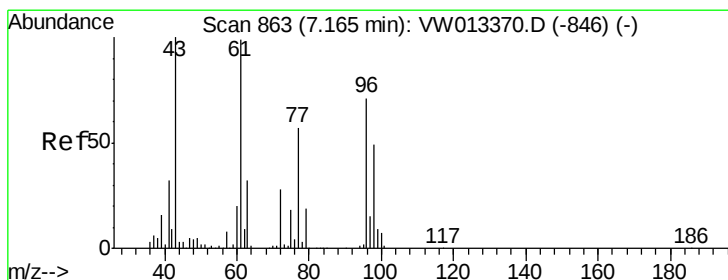
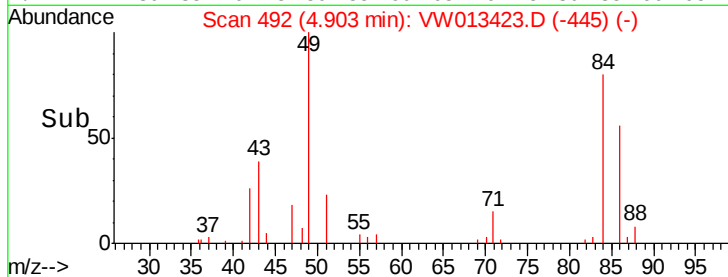
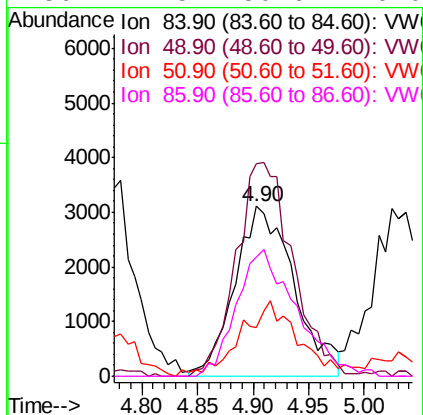
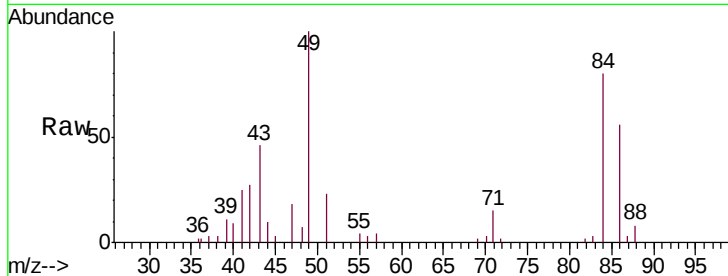




#20
Methylene Chloride
Concen: 2.050 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW013423.D
Acq: 03 Oct 2019 16:10

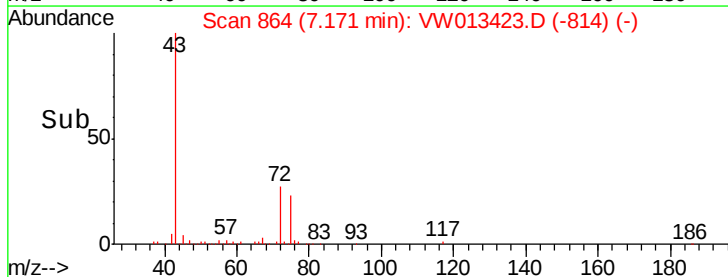
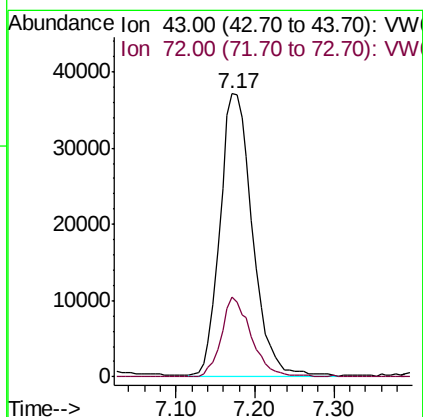
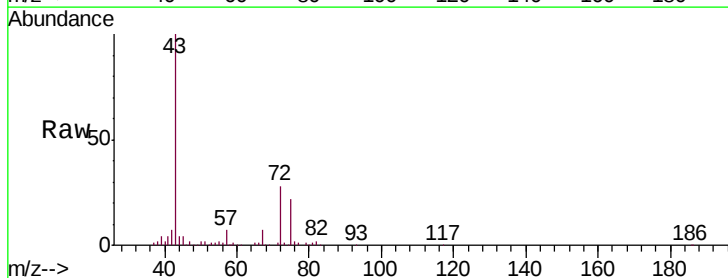
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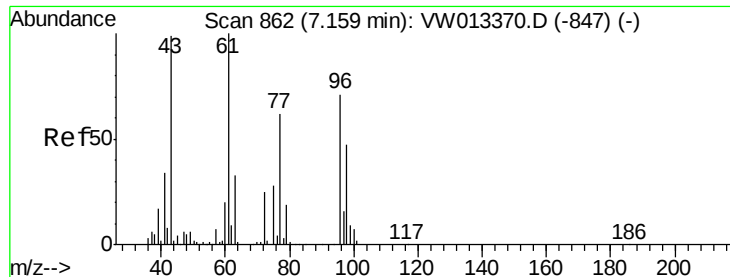
Tgt Ion: 84 Resp: 11509
Ion Ratio Lower Upper
84 100
49 129.2 97.6 146.4
51 27.1 30.2 45.2#
86 72.5 50.6 76.0



#25
2-Butanone
Concen: 112.992 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW013423.D
Acq: 03 Oct 2019 16:10

Tgt Ion: 43 Resp: 105827
Ion Ratio Lower Upper
43 100
72 28.1 19.4 29.0

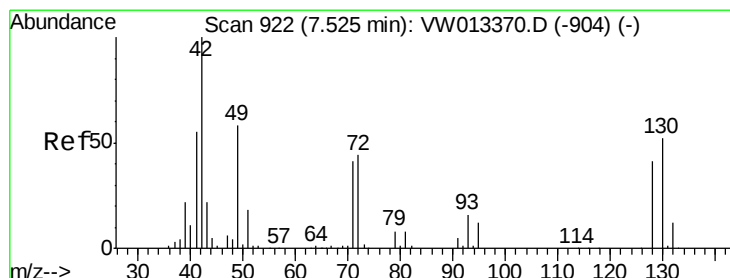
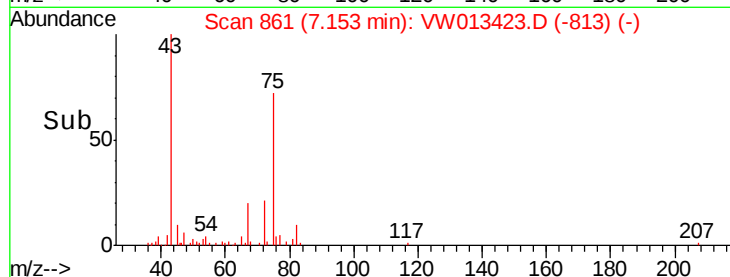
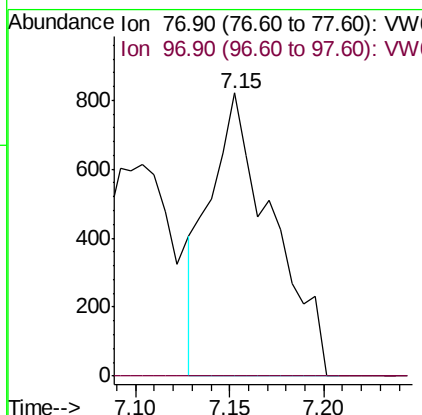
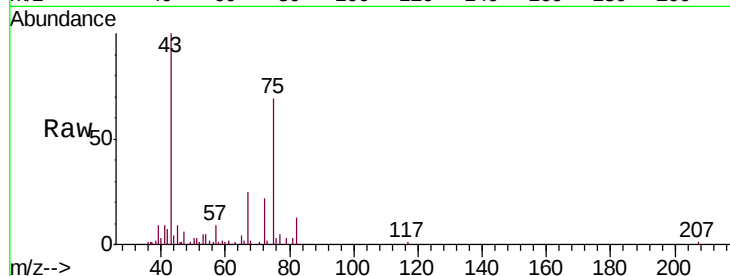




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.15 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: VW013423.D
 Acq: 03 Oct 2019 16:10

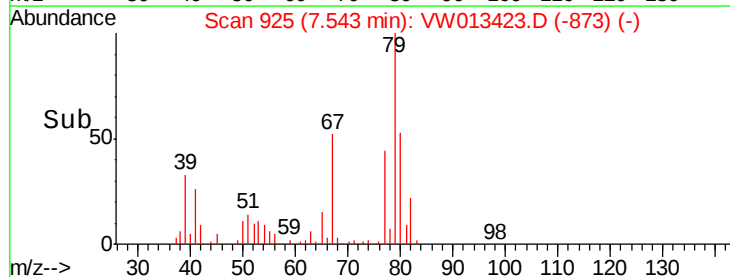
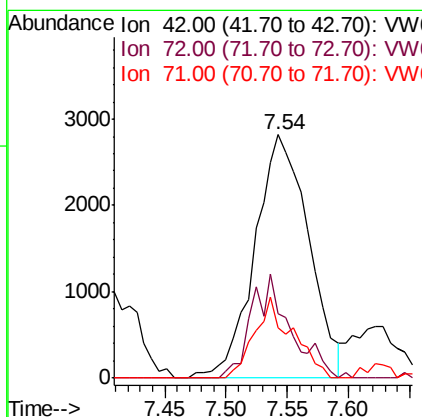
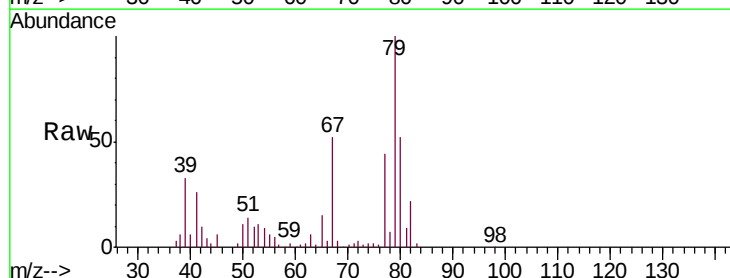
Instrument :
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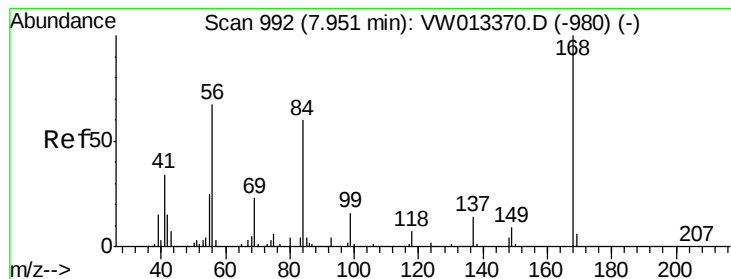
Tgt Ion: 77 Resp: 1896
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.8 35.4#



#29
 Tetrahydrofuran
 Concen: 24.939 ug/l
 RT: 7.54 min Scan# 925
 Delta R.T. 0.02 min
 Lab File: VW013423.D
 Acq: 03 Oct 2019 16:10

Tgt Ion: 42 Resp: 8640
 Ion Ratio Lower Upper
 42 100
 72 31.1 33.9 50.9#
 71 23.4 31.9 47.9#





#31

Cyclohexane

Concen: 2.072 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013423.D

Acq: 03 Oct 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

30464-67RE

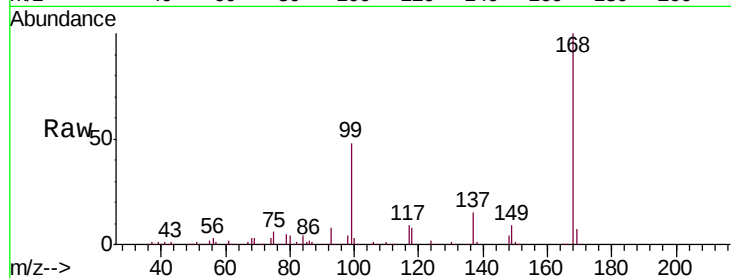
Tgt Ion: 56 Resp: 11320

Ion Ratio Lower Upper

56 100

69 110.6 27.2 40.8#

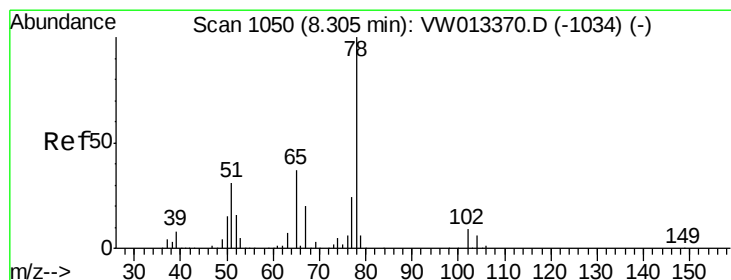
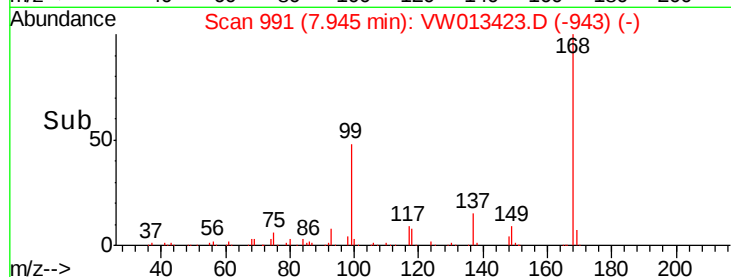
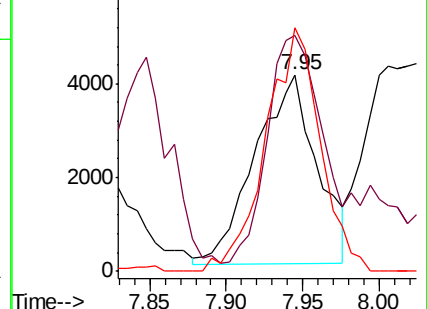
84 132.5 70.8 106.2#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 54.304 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013423.D

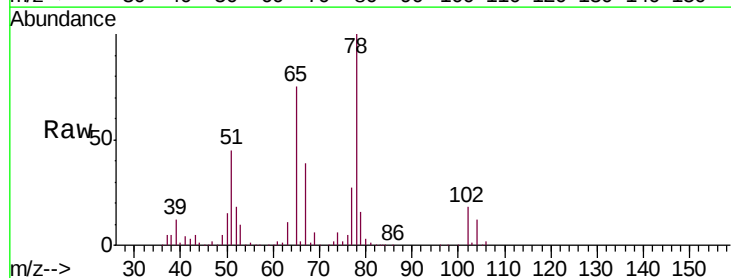
Acq: 03 Oct 2019 16:10

Tgt Ion: 65 Resp: 129675

Ion Ratio Lower Upper

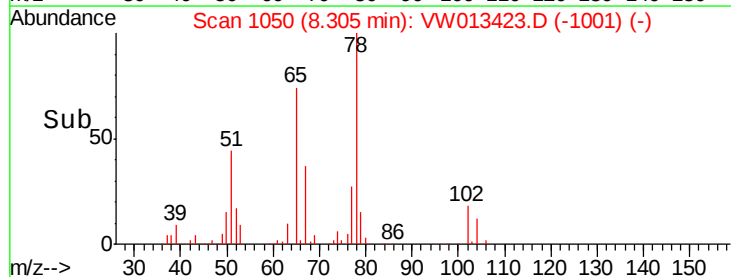
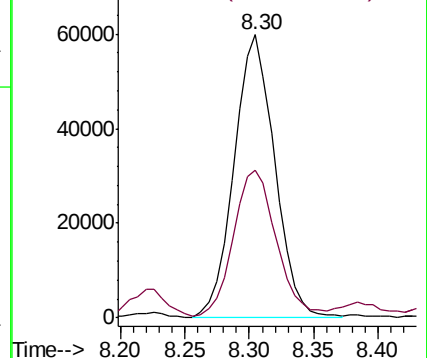
65 100

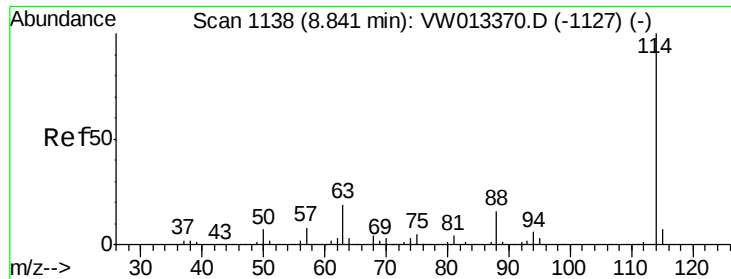
67 56.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

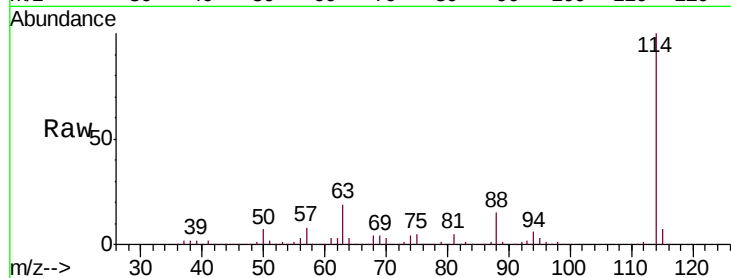




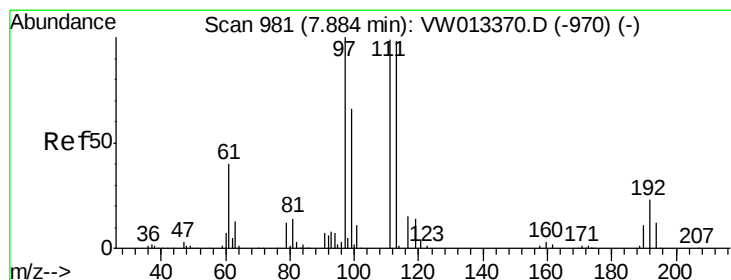
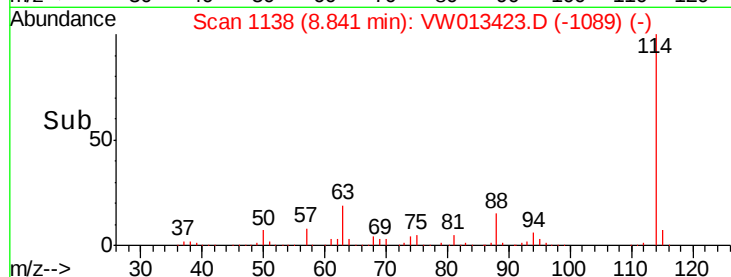
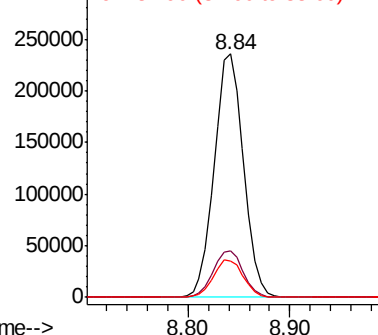
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013423.D
 Acq: 03 Oct 2019 16:10

Instrument :
 MSVOA_W
 ClientSampleId :
 30464-67RE

Tgt Ion:114 Resp: 469516
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.4
 88 15.1 0.0 32.0

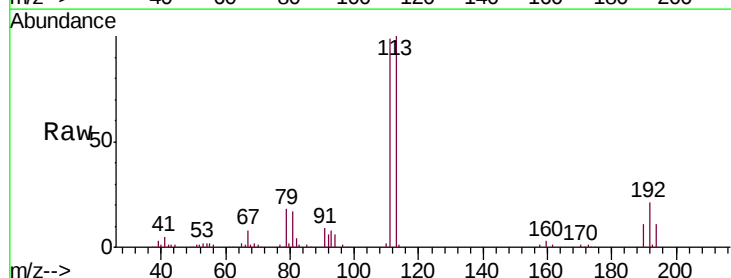


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

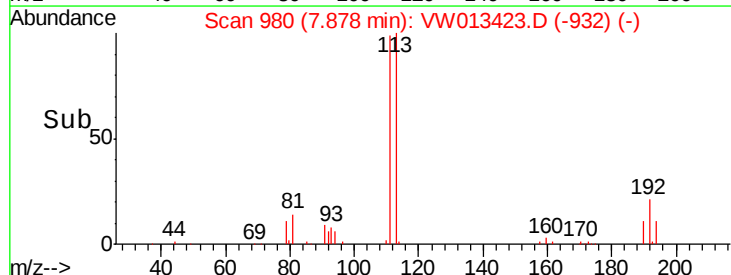
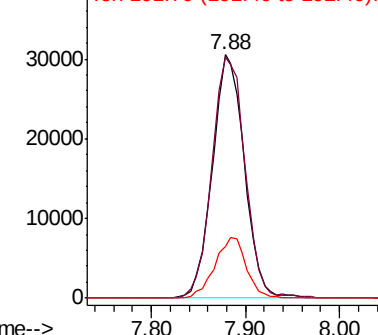


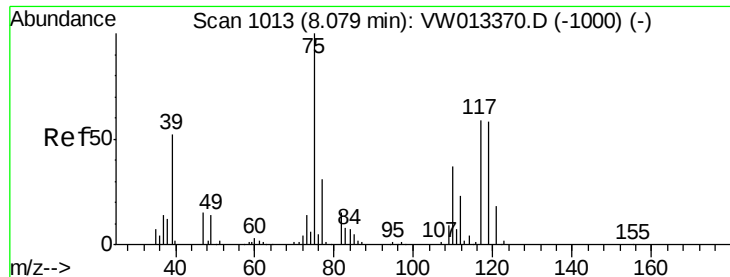
#35
 Dibromofluoromethane
 Concen: 29.331 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013423.D
 Acq: 03 Oct 2019 16:10

Tgt Ion:113 Resp: 72262
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.9 122.9
 192 24.6 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

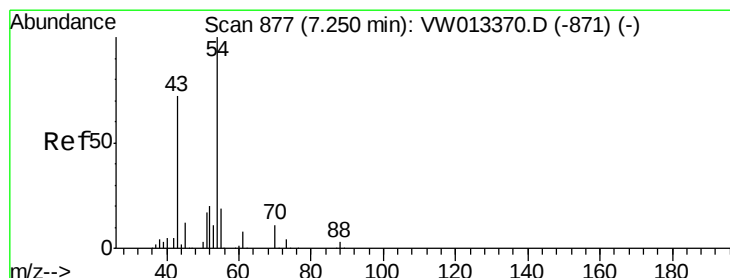
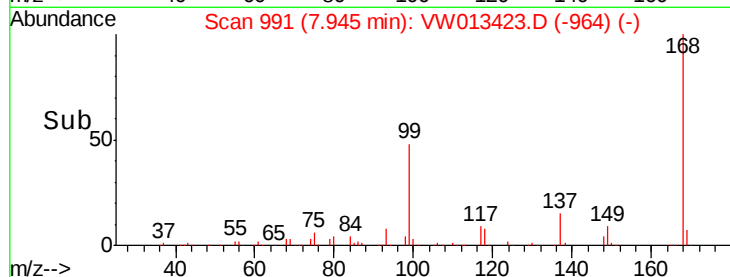
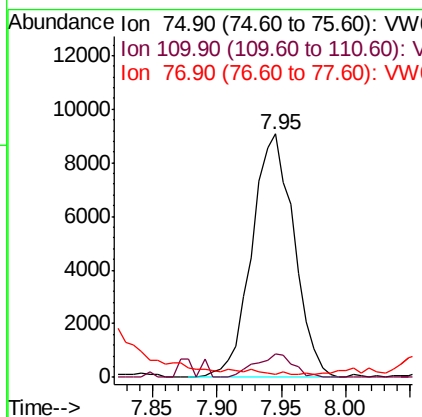
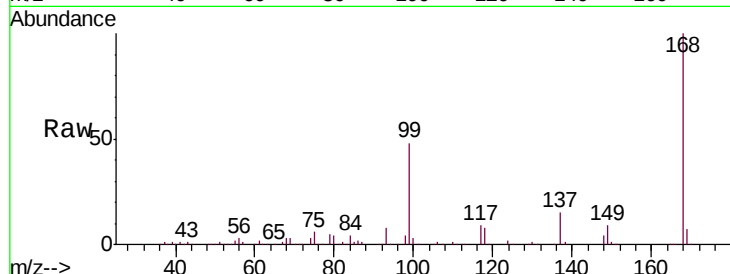




#36
 1,1-Dichloropropene
 Concen: 4.699 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013423.D
 Acq: 03 Oct 2019 16:10

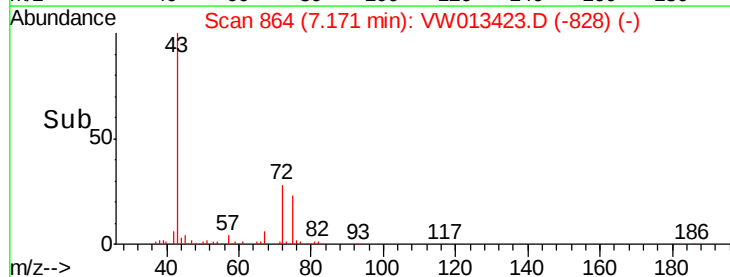
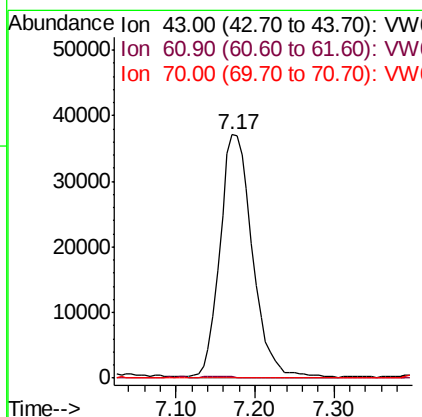
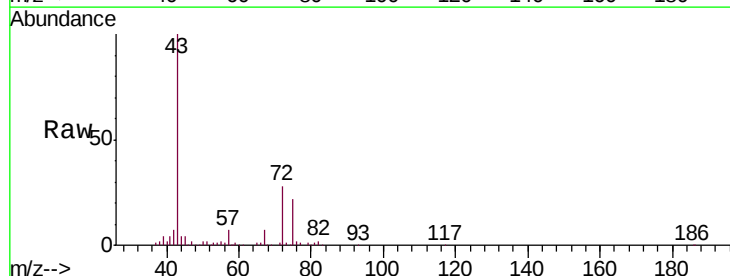
Instrument :
 MSVOA_W
 ClientSampleId :
 30464-67RE

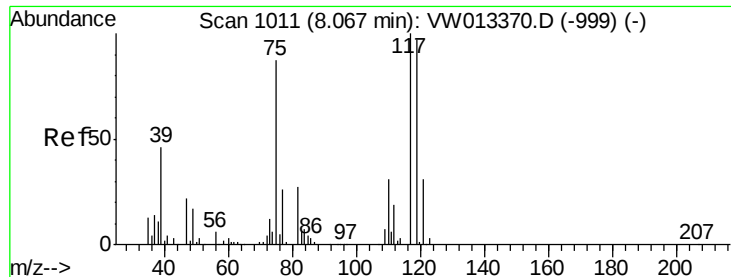
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.3#
77	0.0	25.8	38.6#



#37
 Ethyl Acetate
 Concen: 54.969 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW013423.D
 Acq: 03 Oct 2019 16:10

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.2#





#38

Carbon Tetrachloride

Concen: 7.447 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013423.D

Acq: 03 Oct 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

30464-67RE

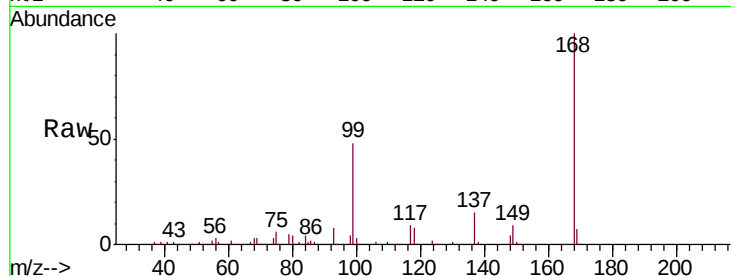
Tgt Ion:117 Resp: 28130

Ion Ratio Lower Upper

117 100

119 5.0 73.5 110.3#

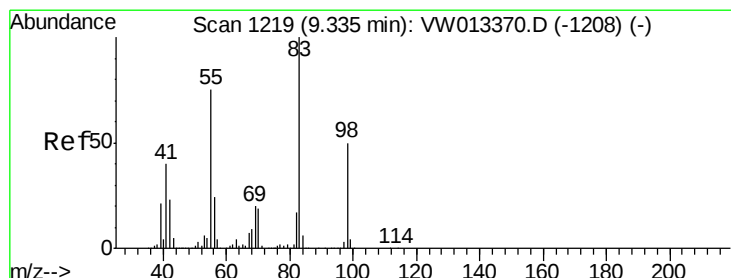
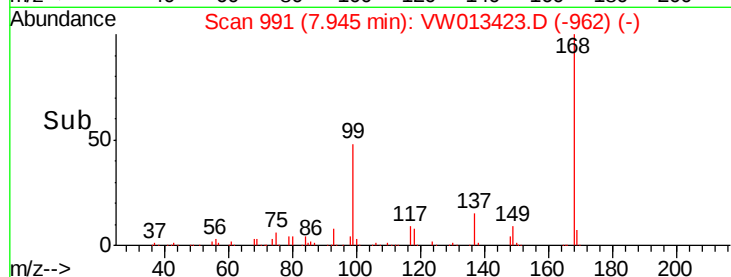
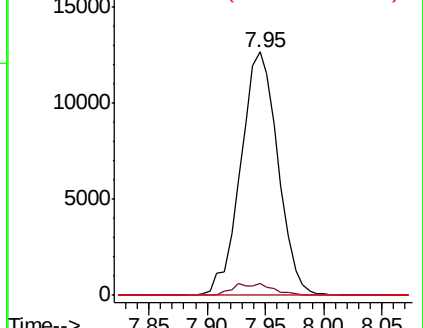
121 0.0 25.0 37.6#



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: 1.701 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW013423.D

Acq: 03 Oct 2019 16:10

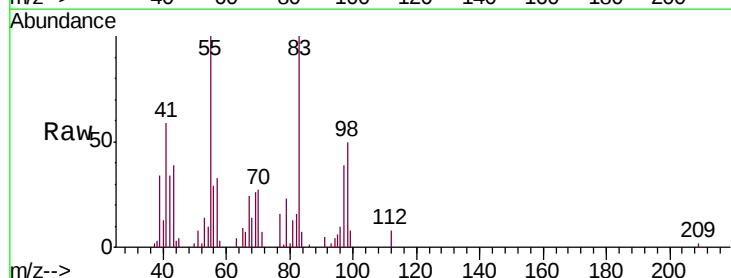
Tgt Ion: 83 Resp: 9769

Ion Ratio Lower Upper

83 100

55 92.3 60.4 90.6#

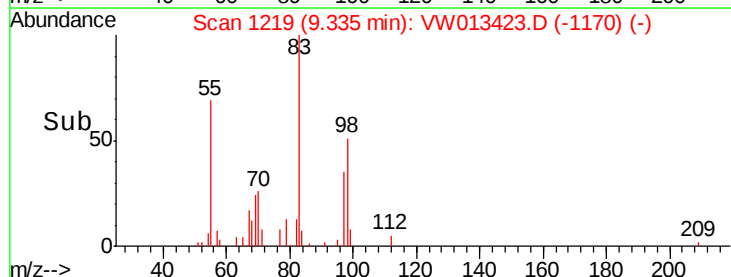
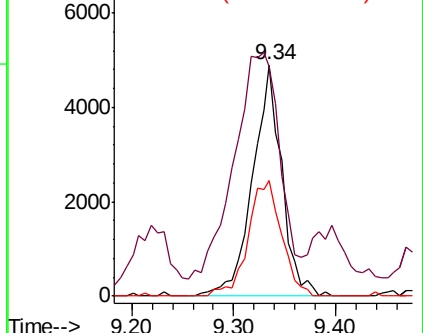
98 49.9 40.0 60.0

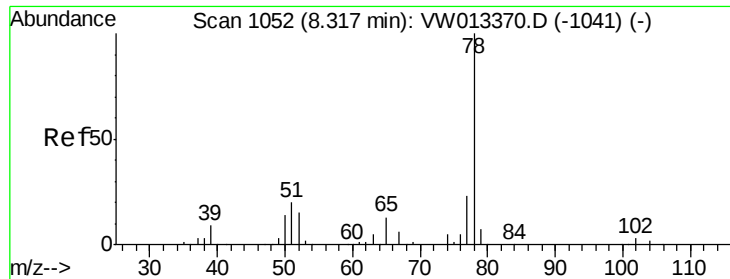


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 26.538 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW013423.D

Acq: 03 Oct 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

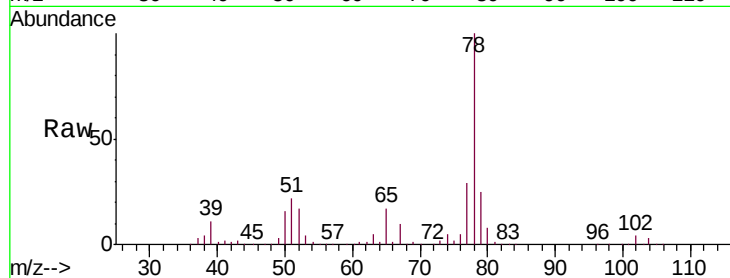
30464-67RE

Tgt Ion: 78 Resp: 327603

Ion Ratio Lower Upper

78 100

77 28.6 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

150000

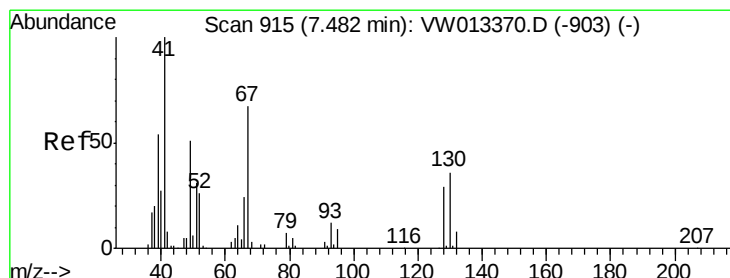
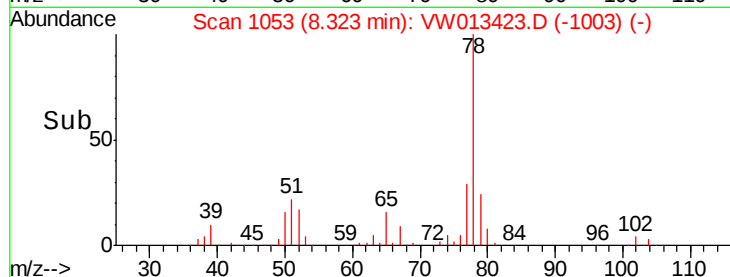
100000

50000

0

8.20 8.30 8.40

Time-->



#41

Methacrylonitrile

Concen: 25.499 ug/l

RT: 7.56 min Scan# 928

Delta R.T. 0.08 min

Lab File: VW013423.D

Acq: 03 Oct 2019 16:10

Tgt Ion: 41 Resp: 29591

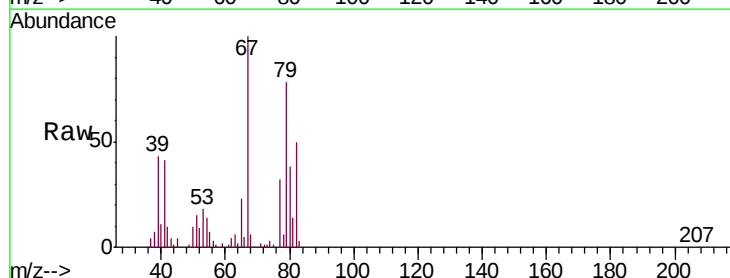
Ion Ratio Lower Upper

41 100

39 106.4 45.9 68.9#

67 179.9 54.5 81.7#

52 26.0 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

30000

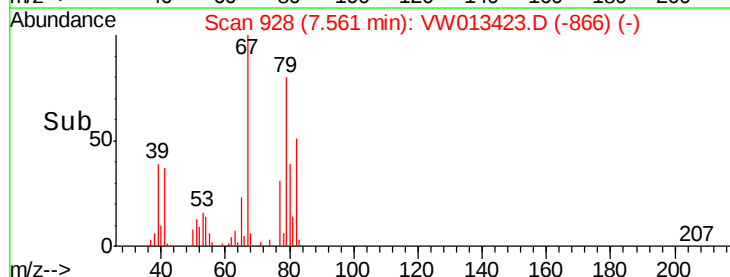
20000

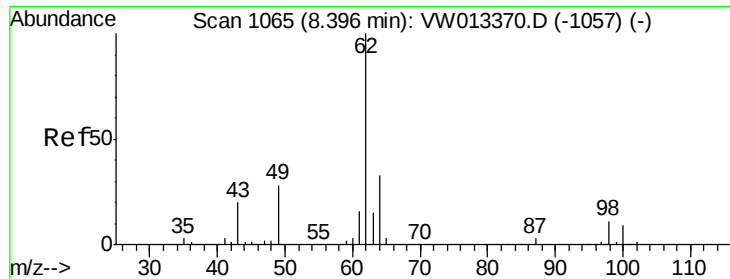
10000

0

7.40 7.50 7.60

Time-->

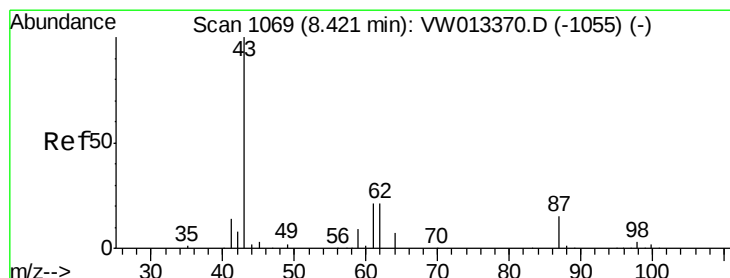
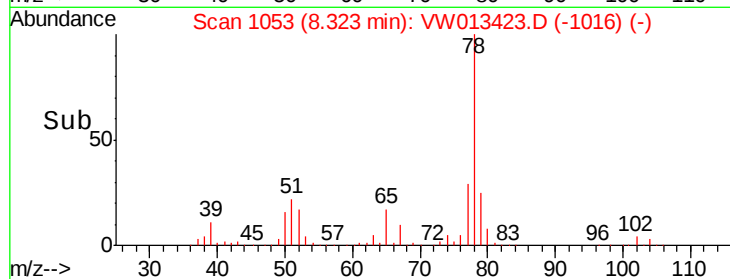
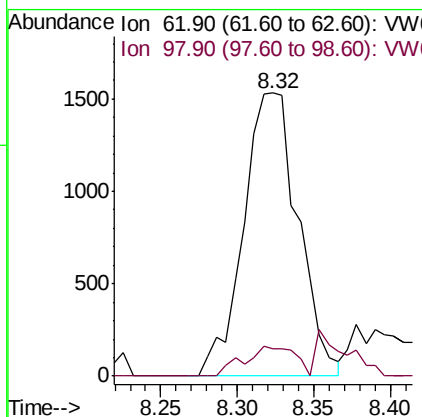
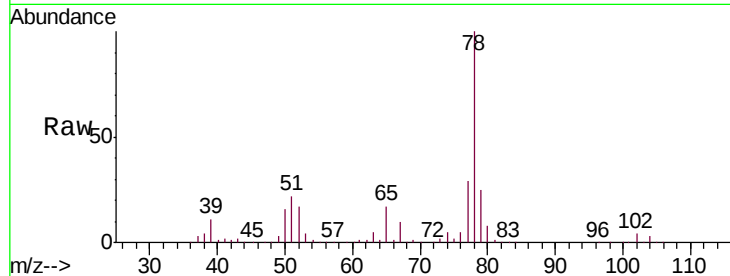




#42
 1,2-Dichloroethane
 Concen: 1.203 ug/l
 RT: 8.32 min Scan# 1053
 Delta R.T. -0.07 min
 Lab File: VW013423.D
 Acq: 03 Oct 2019 16:10

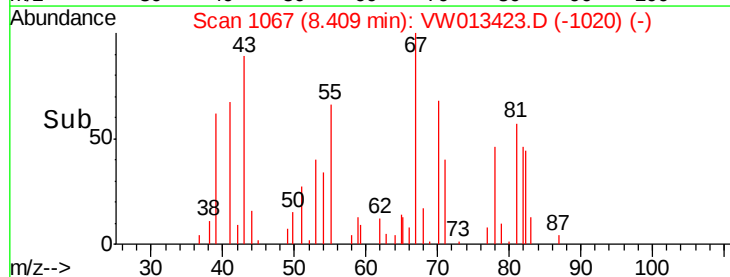
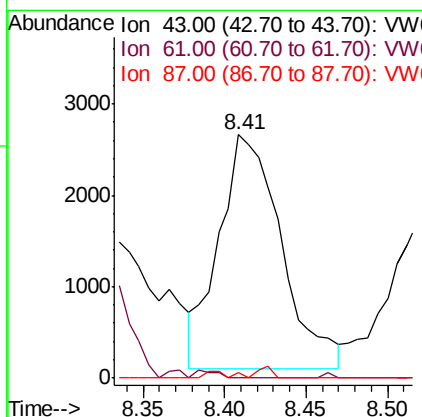
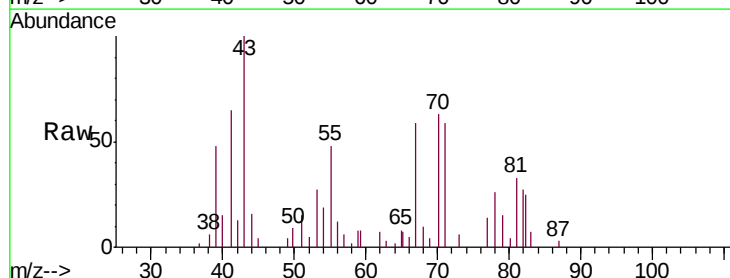
Instrument :
 MSVOA_W
 ClientSampleId :
 30464-67RE

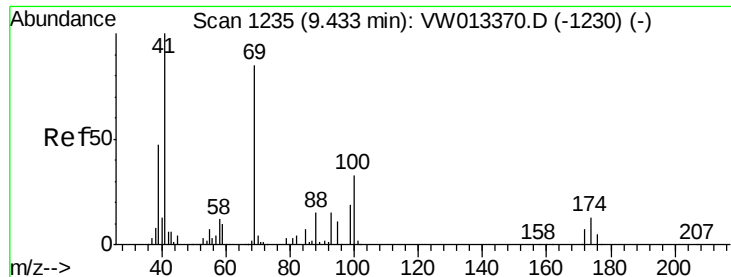
Tgt Ion: 62 Resp: 3818
 Ion Ratio Lower Upper
 62 100
 98 9.7 0.0 20.6



#43
 Isopropyl Acetate
 Concen: 1.891 ug/l
 RT: 8.41 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VW013423.D
 Acq: 03 Oct 2019 16:10

Tgt Ion: 43 Resp: 6851
 Ion Ratio Lower Upper
 43 100
 61 0.0 25.5 38.3#
 87 0.8 11.0 16.4#

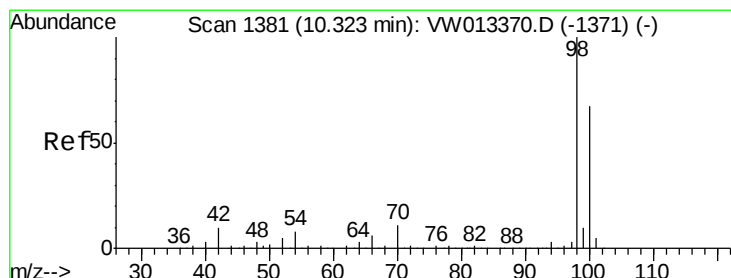
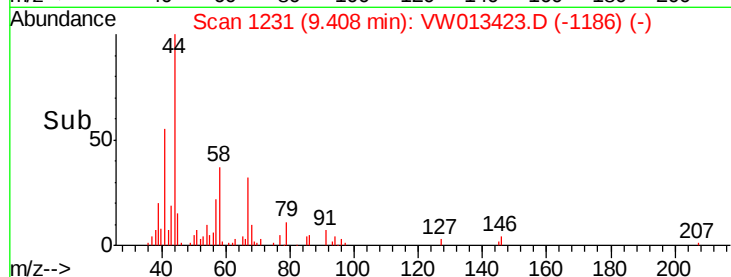
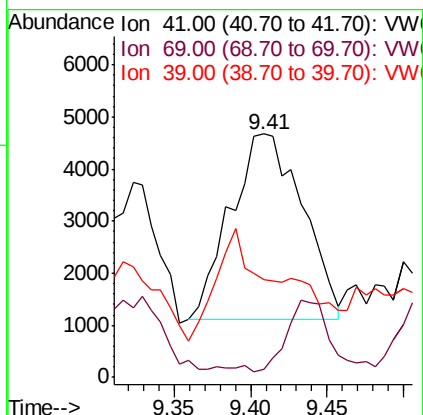
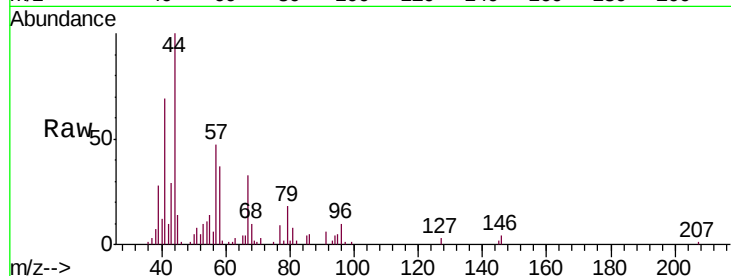




#48
Methyl methacrylate
Concen: 6.645 ug/l
RT: 9.41 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VW013423.D
Acq: 03 Oct 2019 16:10

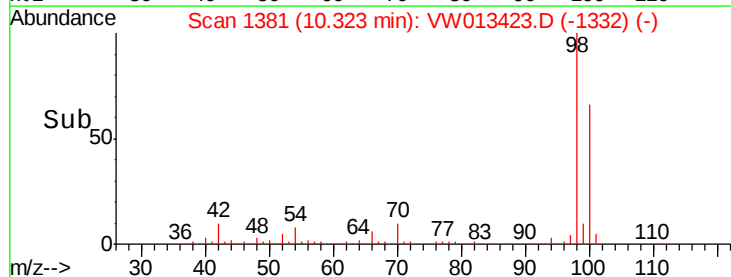
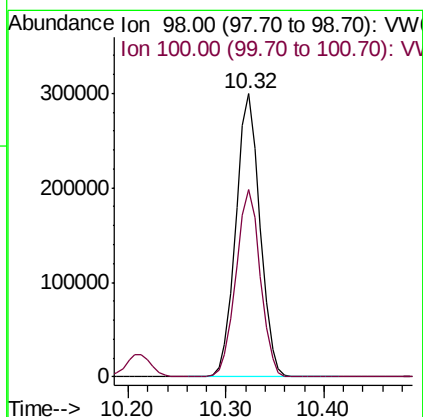
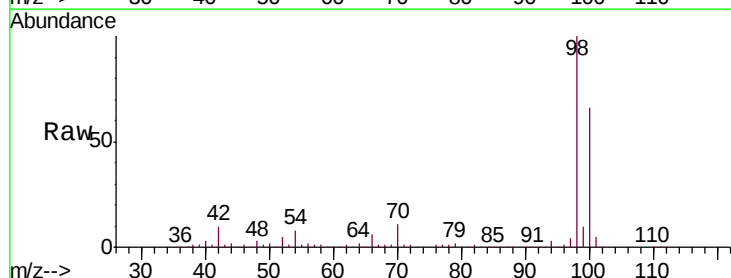
Instrument :
MSVOA_W
ClientSampled :
30464-67RE

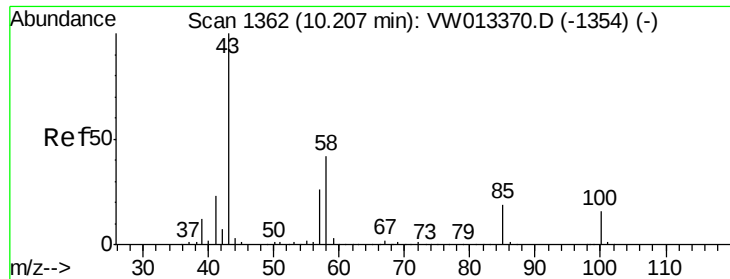
Tgt Ion: 41 Resp: 11565
Ion Ratio Lower Upper
41 100
69 2.0 69.7 104.5#
39 38.9 41.1 61.7#



#50
Toluene-d8
Concen: 50.079 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013423.D
Acq: 03 Oct 2019 16:10

Tgt Ion: 98 Resp: 511991
Ion Ratio Lower Upper
98 100
100 66.7 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 130.729 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013423.D

Acq: 03 Oct 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

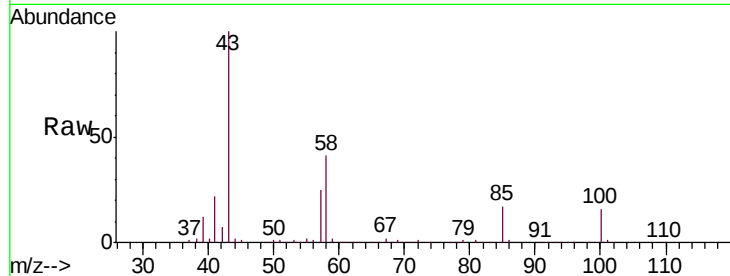
30464-67RE

Tgt Ion: 43 Resp: 248802

Ion Ratio Lower Upper

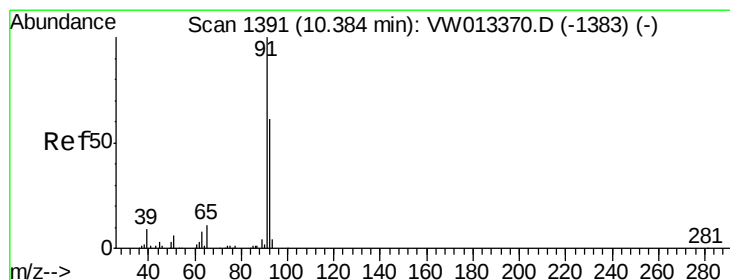
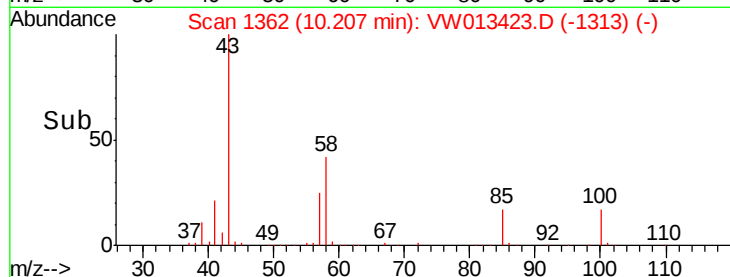
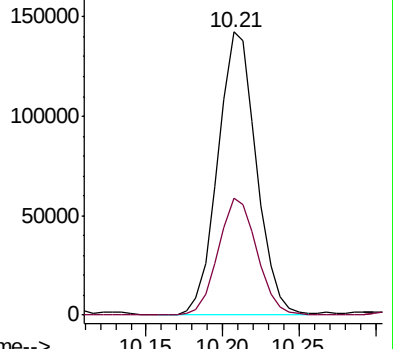
43 100

58 41.7 31.7 47.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 67.226 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013423.D

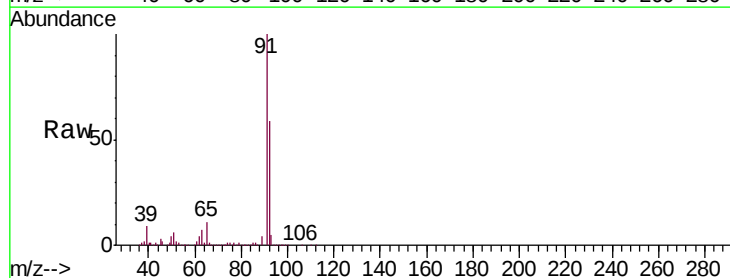
Acq: 03 Oct 2019 16:10

Tgt Ion: 92 Resp: 535277

Ion Ratio Lower Upper

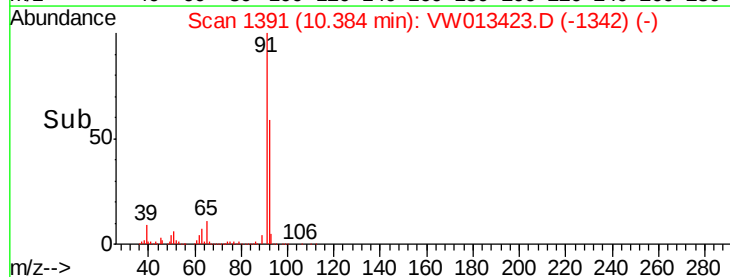
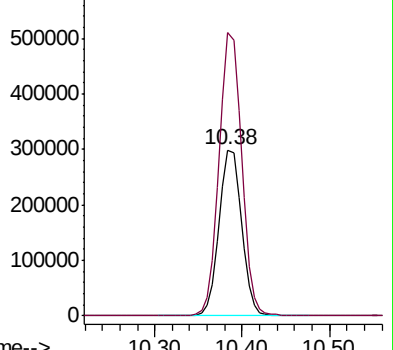
92 100

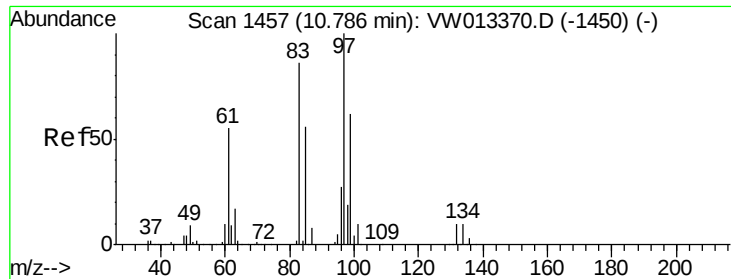
91 171.2 135.7 203.5



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

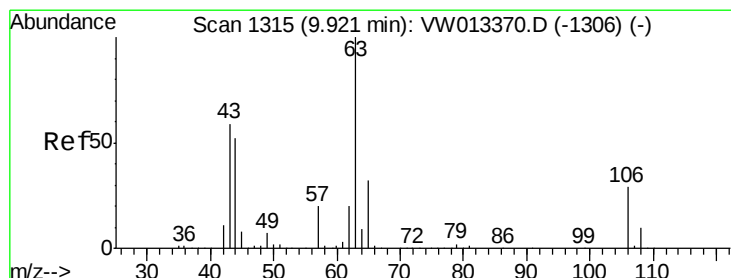
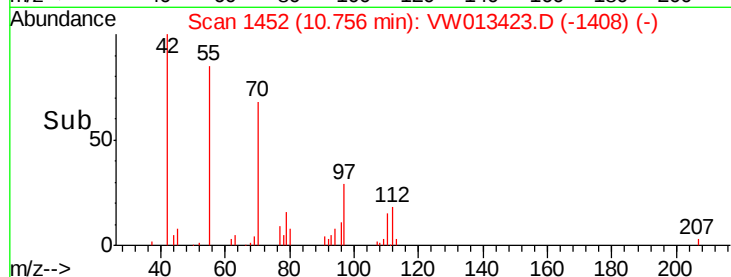
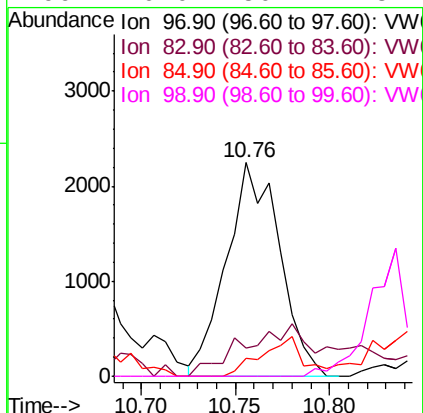
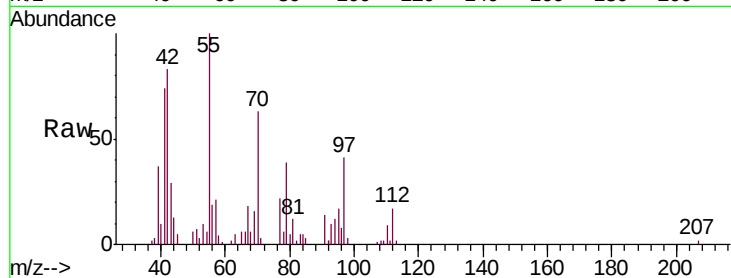




#55
 1,1,2-Trichloroethane
 Concen: 1.992 ug/l
 RT: 10.76 min Scan# 1452
 Delta R.T. -0.03 min
 Lab File: VW013423.D
 Acq: 03 Oct 2019 16:10

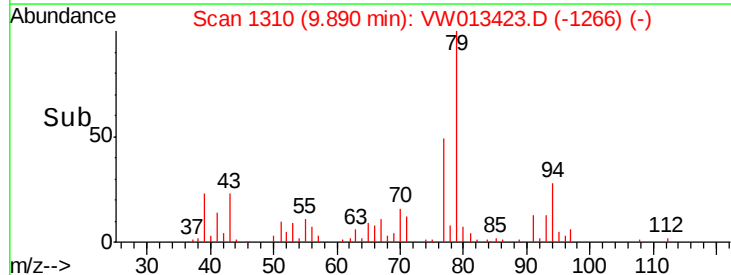
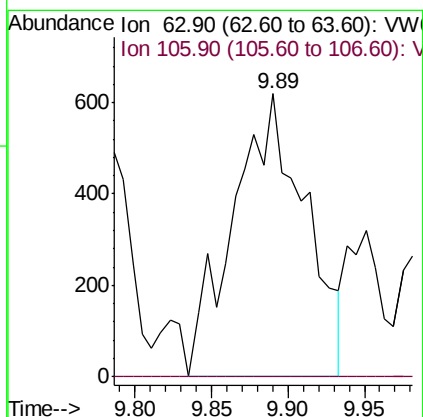
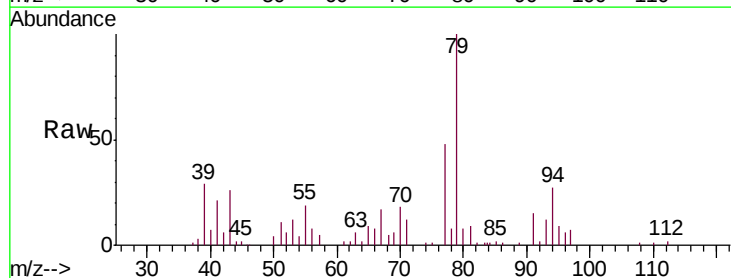
Instrument :
 MSVOA_W
 ClientSampleId :
 30464-67RE

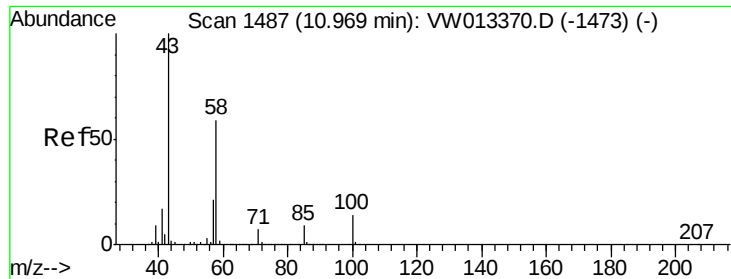
Tgt Ion: 97 Resp: 4387
 Ion Ratio Lower Upper
 97 100
 83 13.3 67.6 101.4#
 85 8.4 41.9 62.9#
 99 0.0 50.1 75.1#



#58
 2-Chloroethyl Vinyl ether
 Concen: 1.664 ug/l
 RT: 9.89 min Scan# 1310
 Delta R.T. -0.03 min
 Lab File: VW013423.D
 Acq: 03 Oct 2019 16:10

Tgt Ion: 63 Resp: 2026
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.4 35.0#





#59

2-Hexanone

Concen: 31.087 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013423.D

Acq: 03 Oct 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

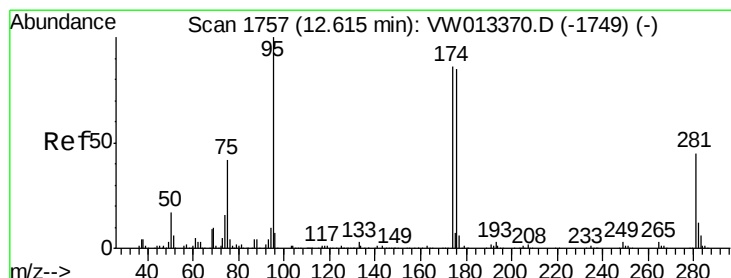
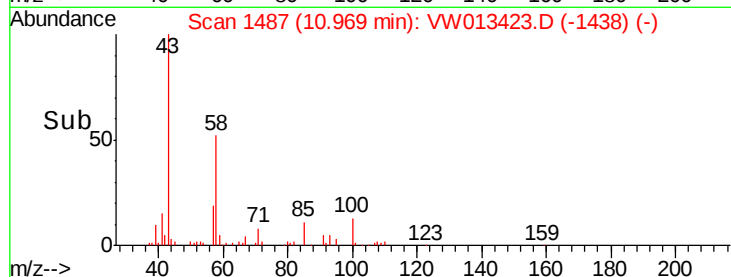
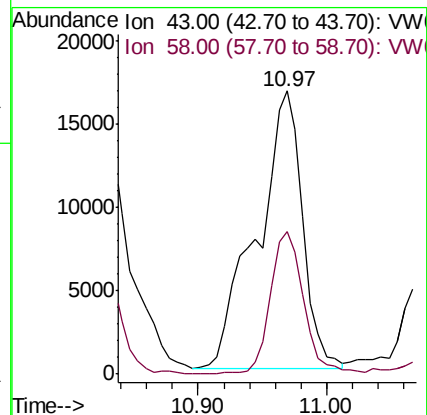
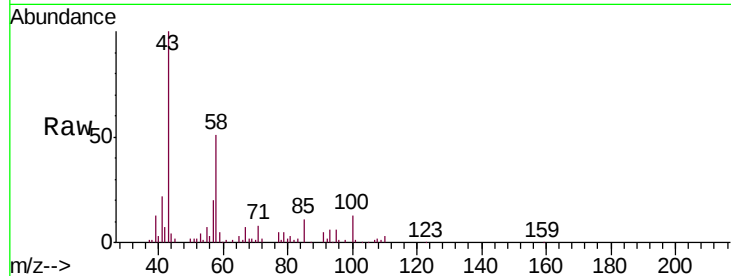
30464-67RE

Tgt Ion: 43 Resp: 41009

Ion Ratio Lower Upper

43 100

58 37.8 28.1 84.2



#62

4-Bromofluorobenzene

Concen: 33.516 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013423.D

Acq: 03 Oct 2019 16:10

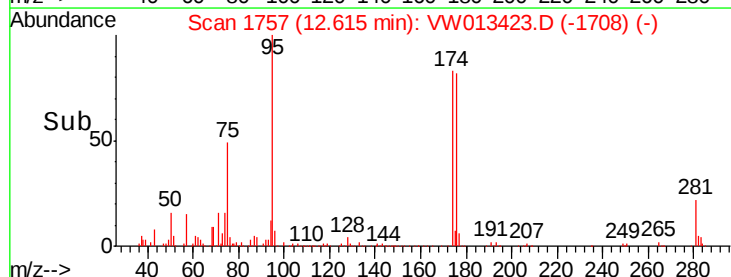
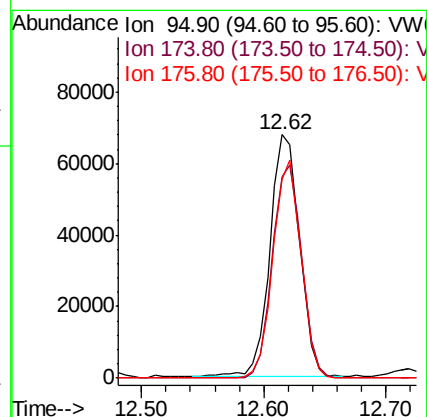
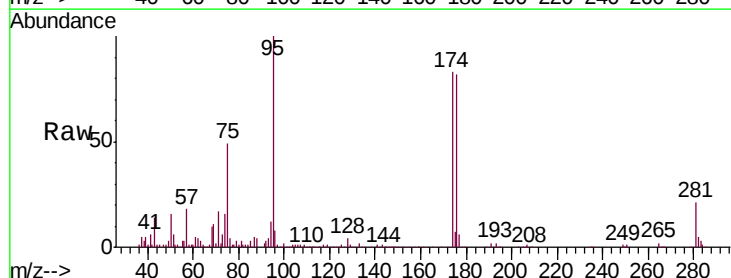
Tgt Ion: 95 Resp: 114428

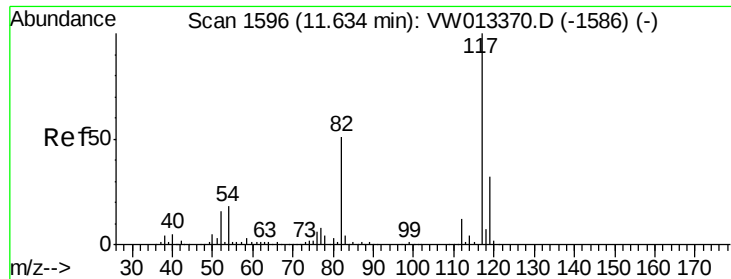
Ion Ratio Lower Upper

95 100

174 86.9 0.0 178.4

176 85.2 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: VW013423.D

Acq: 03 Oct 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

30464-67RE

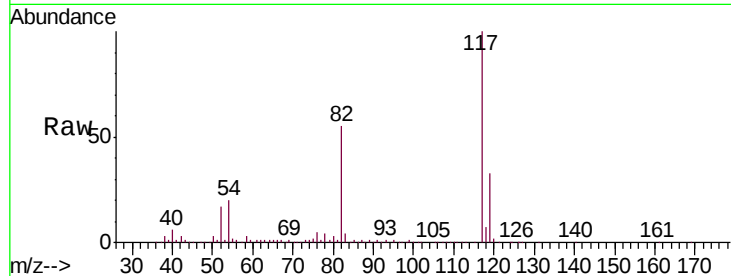
Tgt Ion:117 Resp: 317625

Ion Ratio Lower Upper

117 100

82 55.1 45.9 68.9

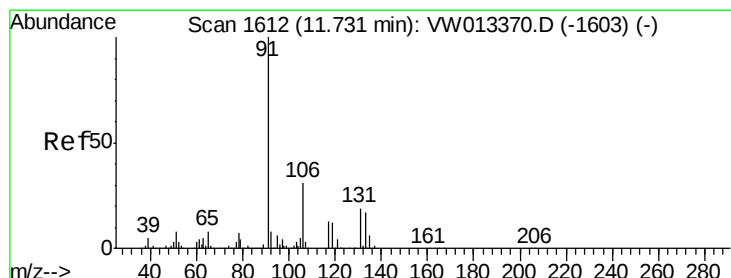
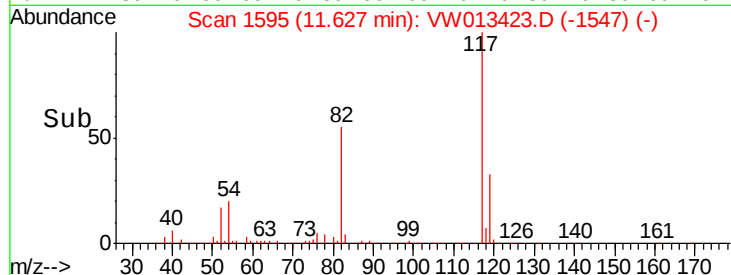
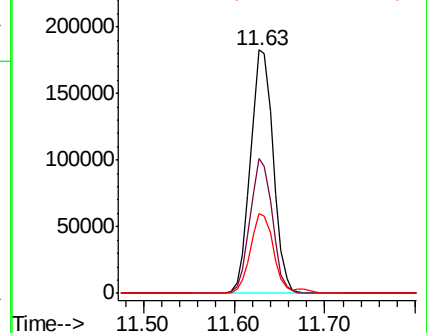
119 32.7 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 2.455 ug/l

RT: 11.68 min Scan# 1603

Delta R.T. -0.05 min

Lab File: VW013423.D

Acq: 03 Oct 2019 16:10

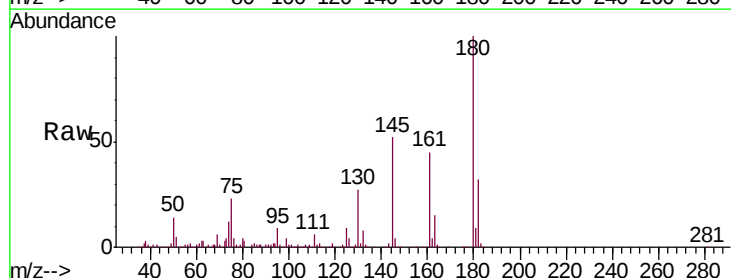
Tgt Ion:131 Resp: 5441

Ion Ratio Lower Upper

131 100

133 44.2 47.5 142.6#

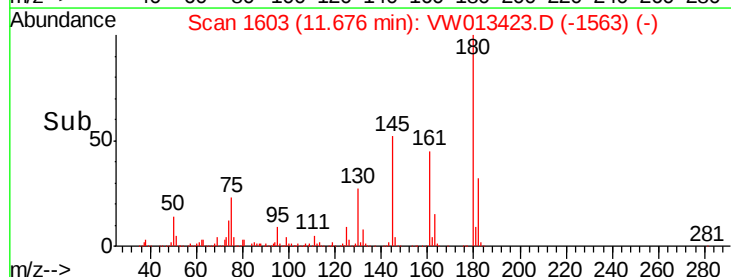
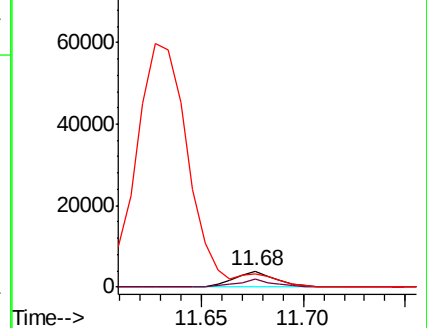
119 0.0 32.5 97.5#

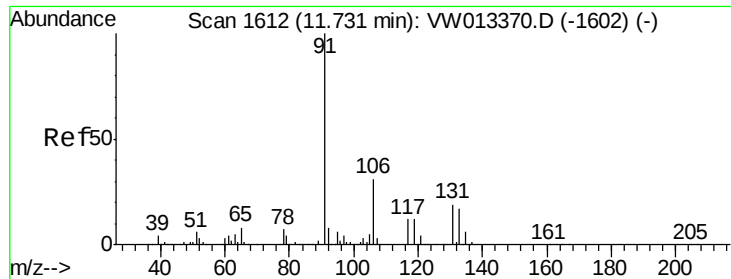


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

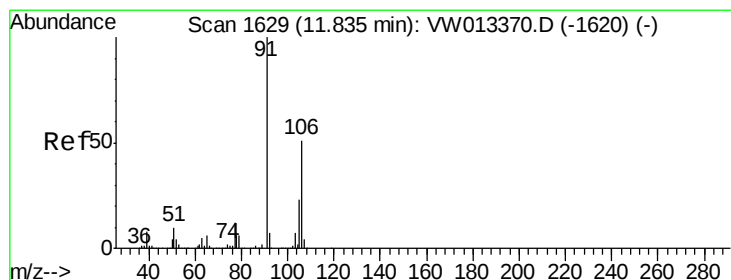
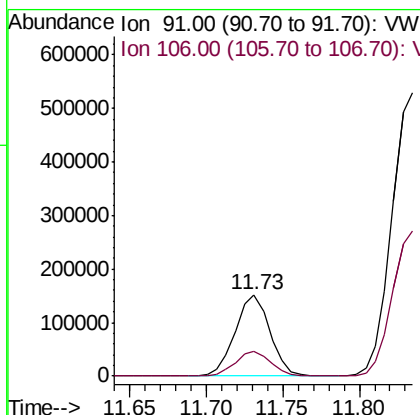
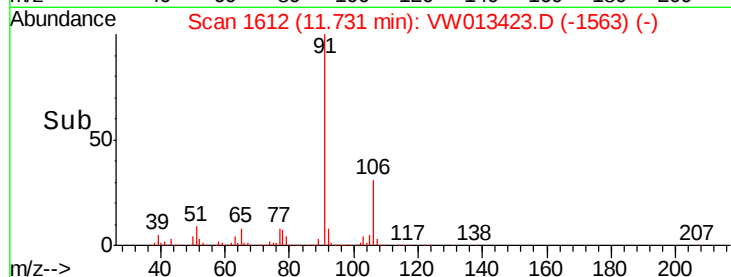
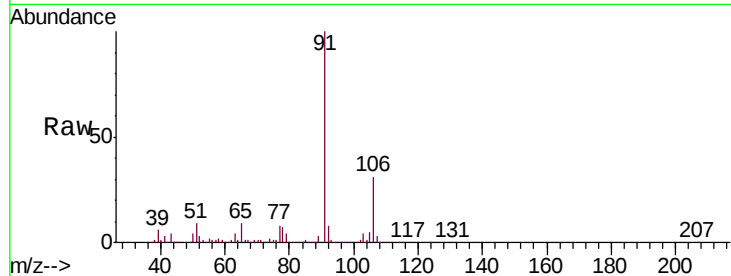




#67
Ethyl Benzene
Concen: 20.317 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013423.D
Acq: 03 Oct 2019 16:10

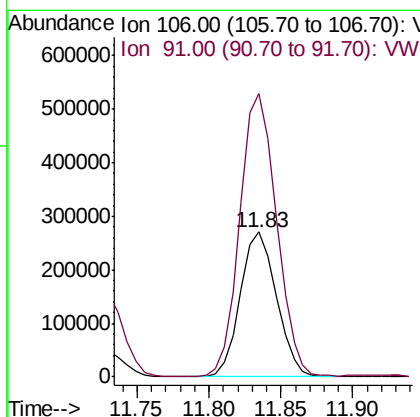
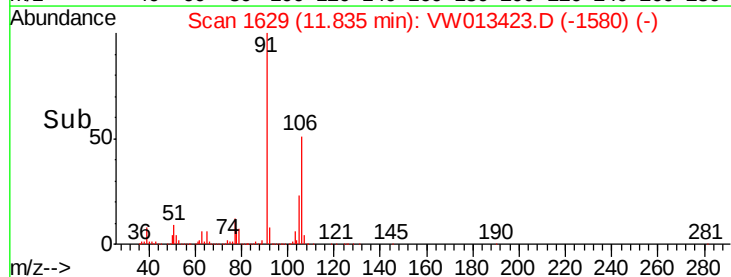
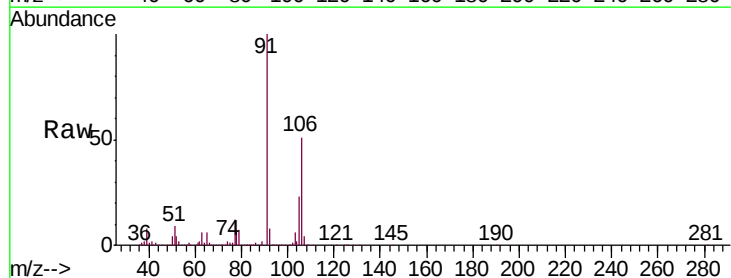
Instrument :
MSVOA_W
ClientSampled :
30464-67RE

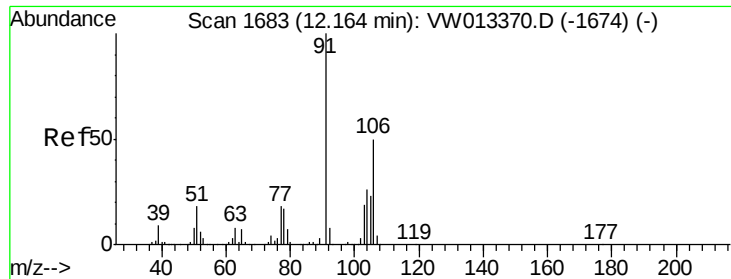
Tgt Ion: 91 Resp: 236941
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3



#68
m/p-Xylenes
Concen: 105.007 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013423.D
Acq: 03 Oct 2019 16:10

Tgt Ion: 106 Resp: 472696
Ion Ratio Lower Upper
106 100
91 197.9 157.9 236.9

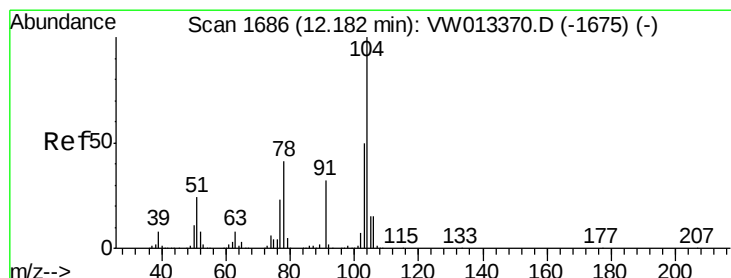
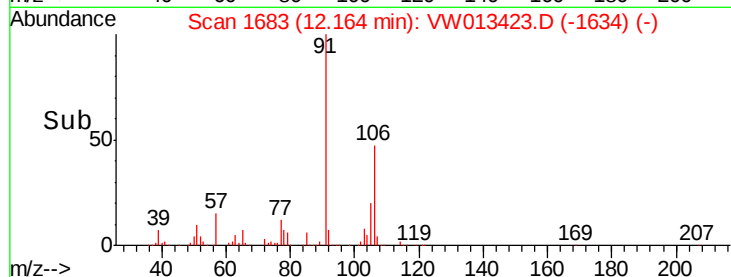
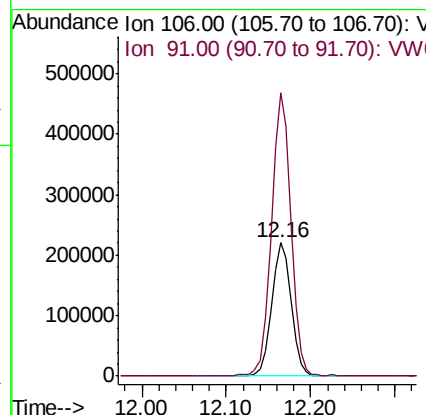
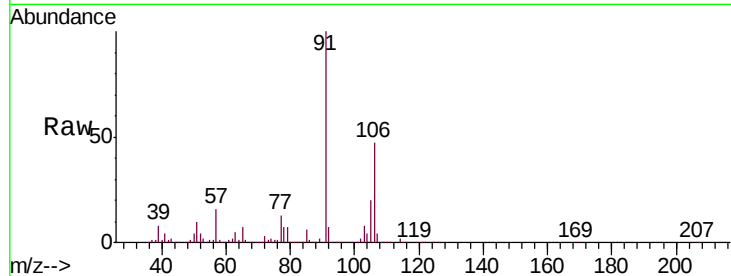




#69
o-Xylene
Concen: 85.403 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013423.D
Acq: 03 Oct 2019 16:10

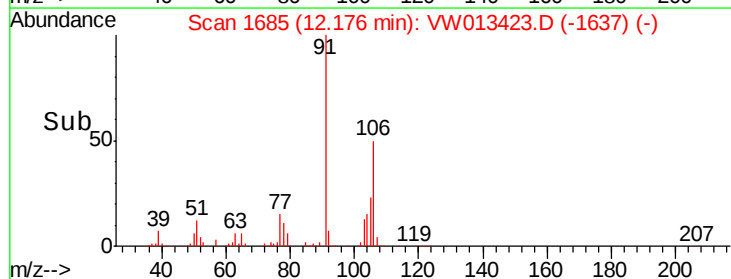
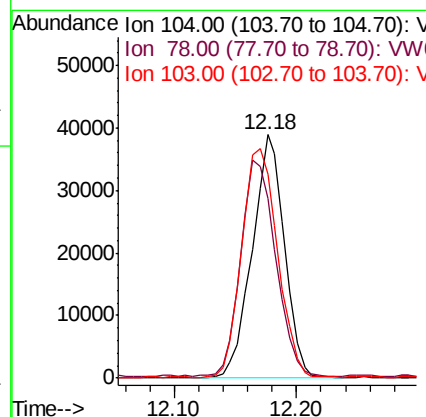
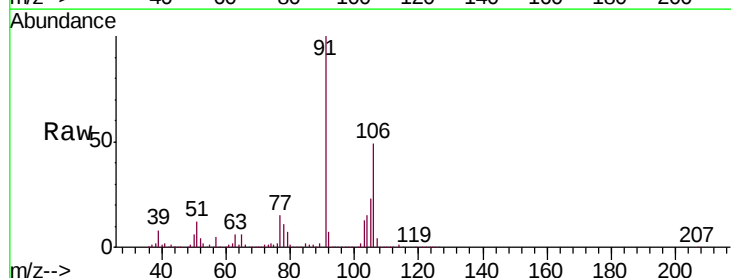
Instrument :
MSVOA_W
ClientSampleId :
30464-67RE

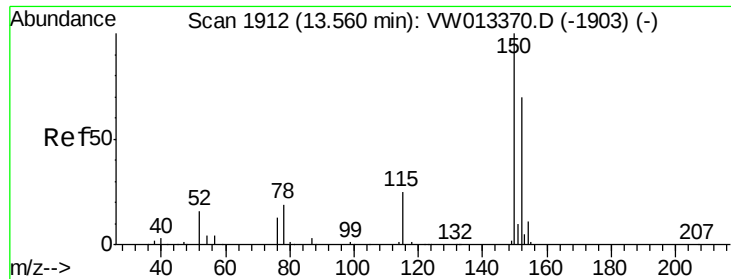
Tgt Ion:106 Resp: 355455
Ion Ratio Lower Upper
106 100
91 209.8 106.5 319.5



#70
Styrene
Concen: 10.036 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013423.D
Acq: 03 Oct 2019 16:10

Tgt Ion:104 Resp: 71405
Ion Ratio Lower Upper
104 100
78 95.9 38.4 57.6#
103 104.0 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: VW013423.D

Acq: 03 Oct 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

30464-67RE

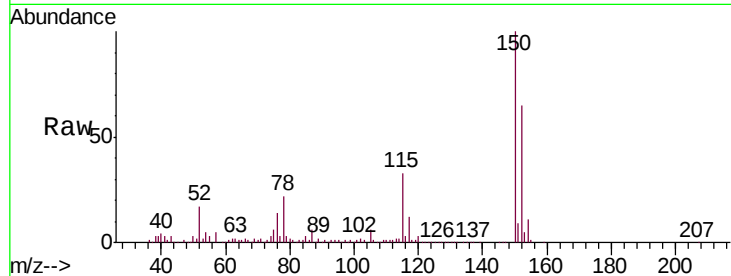
Tgt Ion:152 Resp: 82465

Ion Ratio Lower Upper

152 100

115 61.5 27.3 81.9

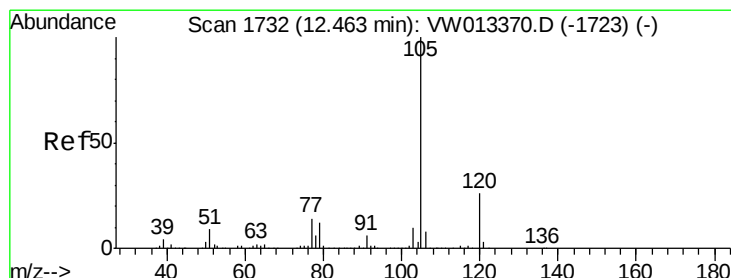
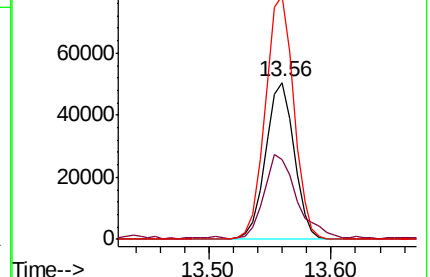
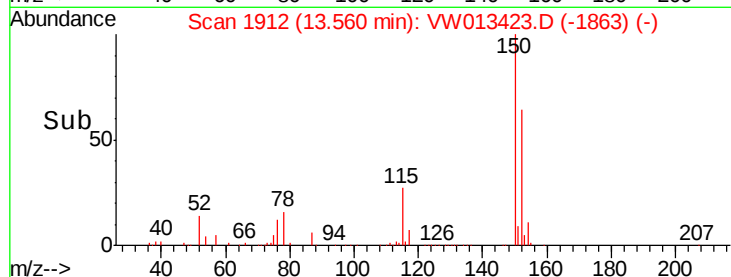
150 154.5 0.0 349.0



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: 8.247 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013423.D

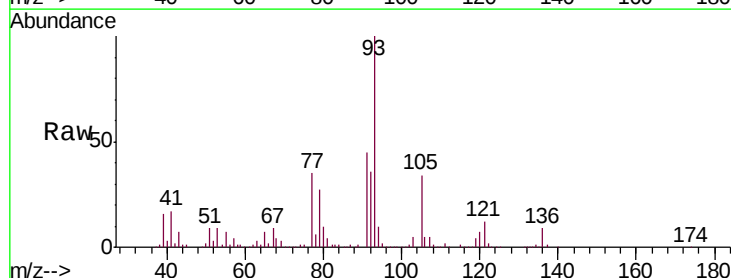
Acq: 03 Oct 2019 16:10

Tgt Ion:105 Resp: 49745

Ion Ratio Lower Upper

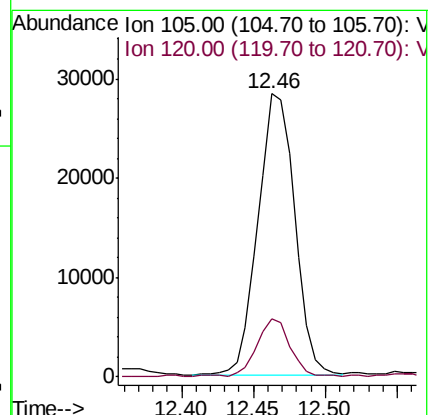
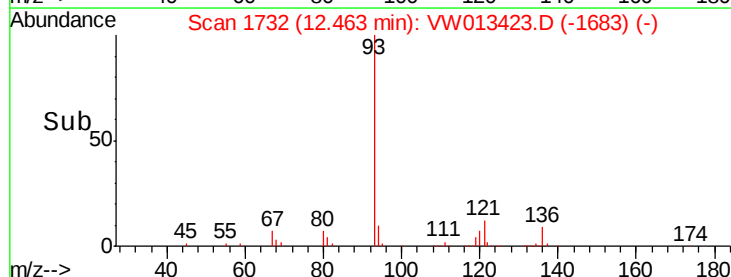
105 100

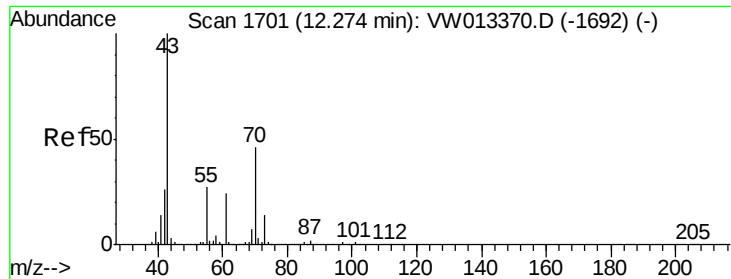
120 19.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 174.716 ug/l

RT: 12.24 min Scan# 1695

Delta R.T. -0.04 min

Lab File: VW013423.D

Acq: 03 Oct 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

30464-67RE

Tgt Ion: 43 Resp: 224292

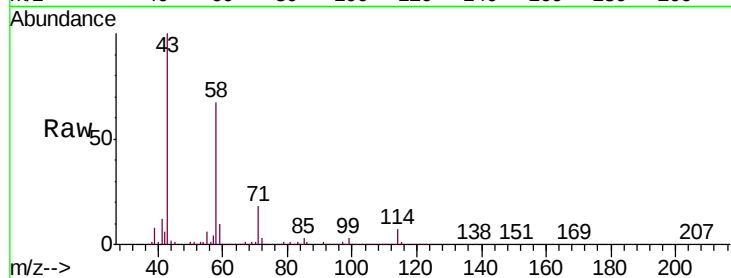
Ion Ratio Lower Upper

43 100

70 0.9 35.1 52.7#

55 6.1 19.9 29.9#

61 0.1 19.5 29.3#

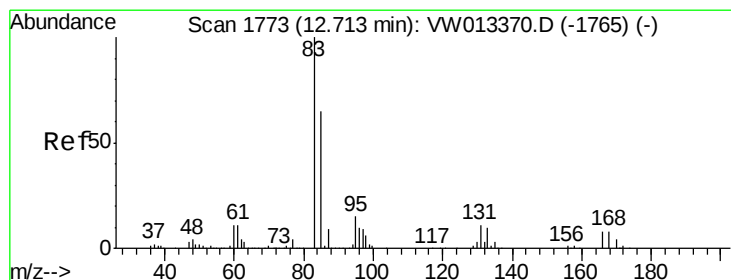
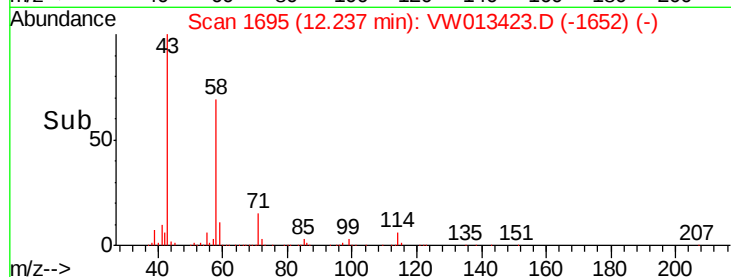
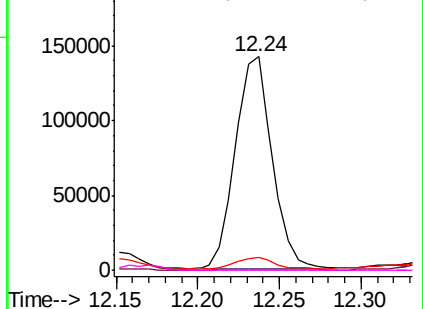


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 1.499 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.03 min

Lab File: VW013423.D

Acq: 03 Oct 2019 16:10

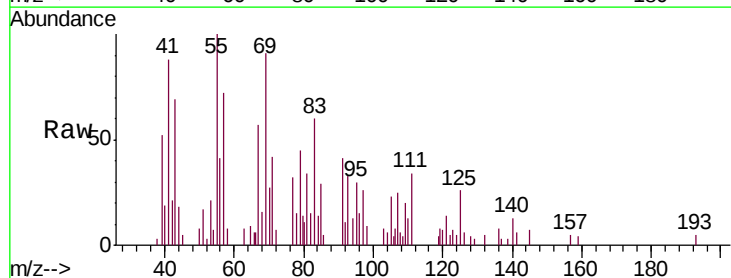
Tgt Ion: 83 Resp: 1530

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

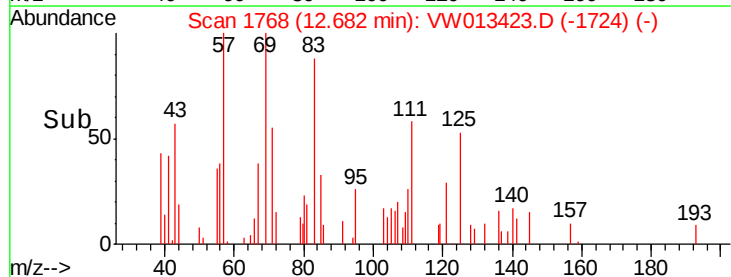
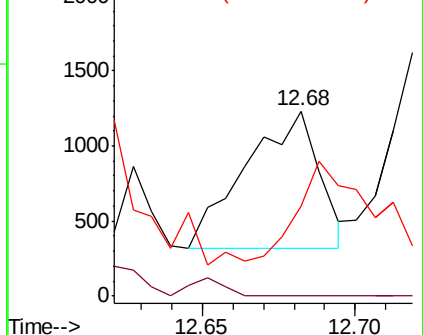
85 71.1 31.9 95.9

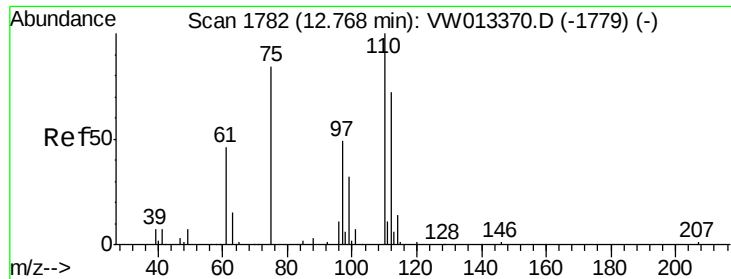


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

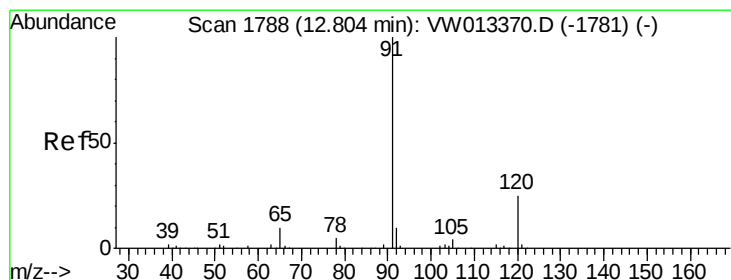
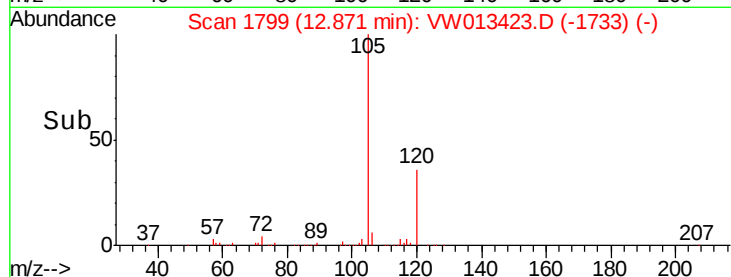
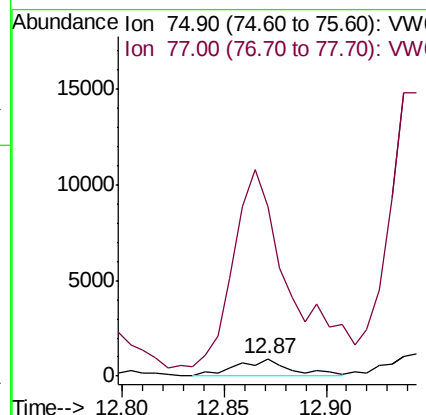
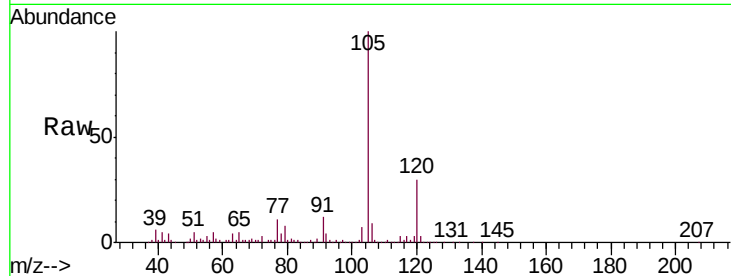




#76
 1,2,3-Trichloropropane
 Concen: 2.317 ug/l
 RT: 12.87 min Scan# 1799
 Delta R.T. 0.10 min
 Lab File: VW013423.D
 Acq: 03 Oct 2019 16:10

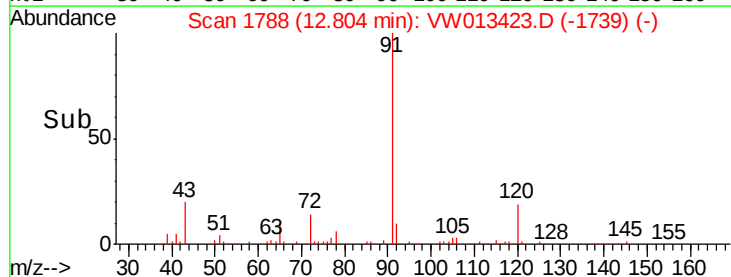
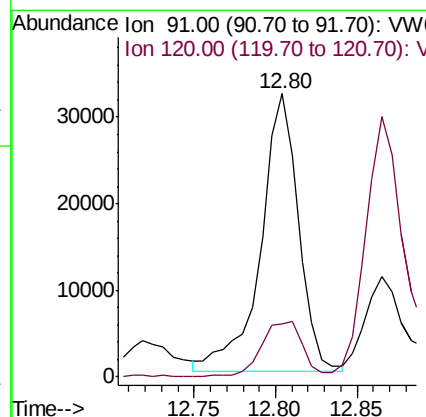
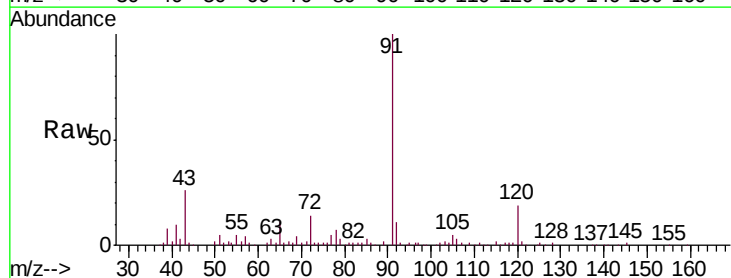
Instrument :
 MSVOA_W
 ClientSampleId :
 30464-67RE

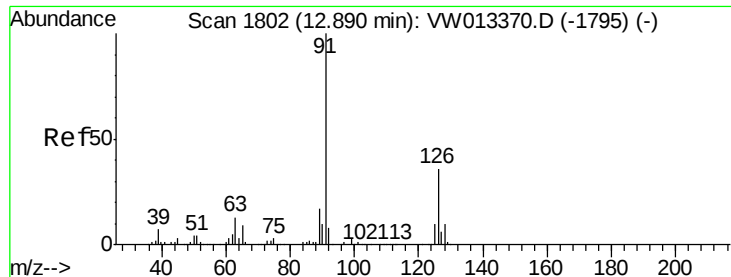
Tgt Ion: 75 Resp: 1698
 Ion Ratio Lower Upper
 75 100
 77 1153.8 0.0 0.0#



#78
 n-propylbenzene
 Concen: 7.430 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: VW013423.D
 Acq: 03 Oct 2019 16:10

Tgt Ion: 91 Resp: 51553
 Ion Ratio Lower Upper
 91 100
 120 21.6 11.7 35.1

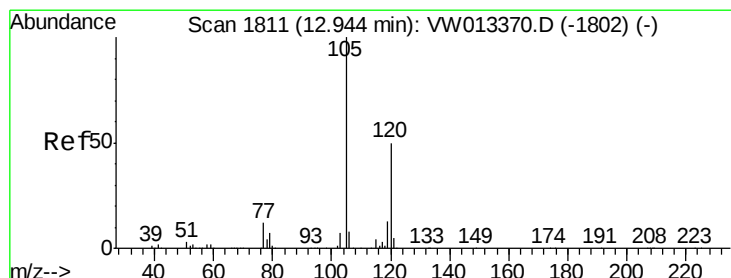
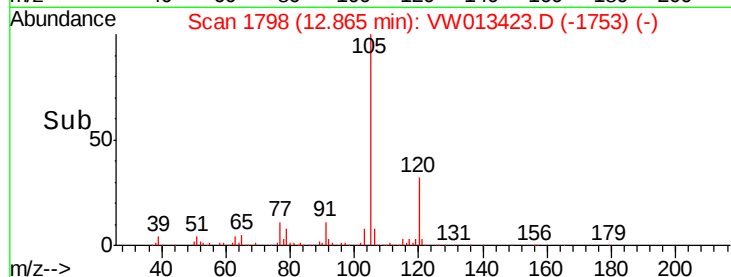
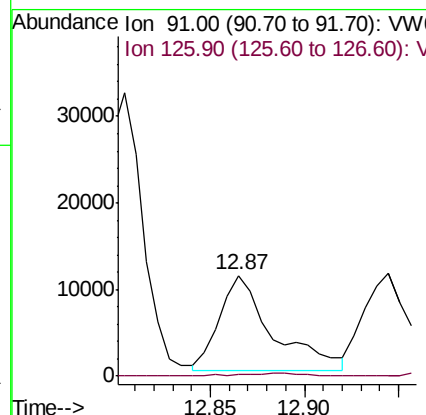
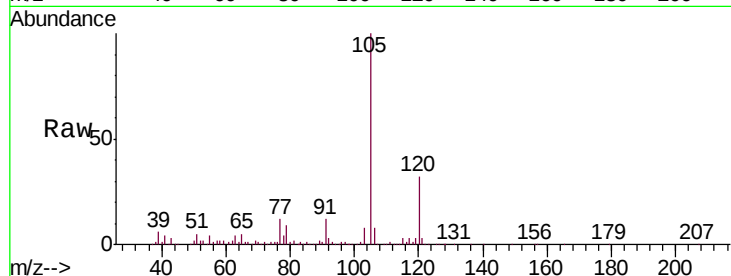




#79
 2-Chlorotoluene
 Concen: 5.629 ug/l
 RT: 12.87 min Scan# 1798
 Delta R.T. -0.02 min
 Lab File: VW013423.D
 Acq: 03 Oct 2019 16:10

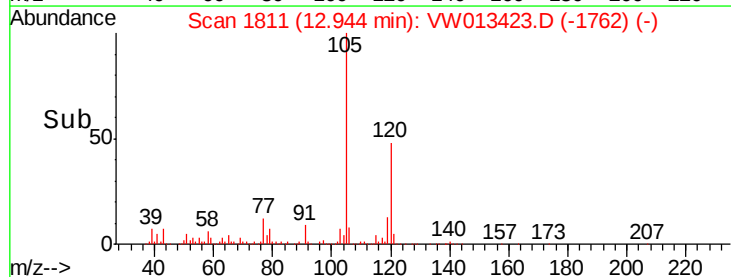
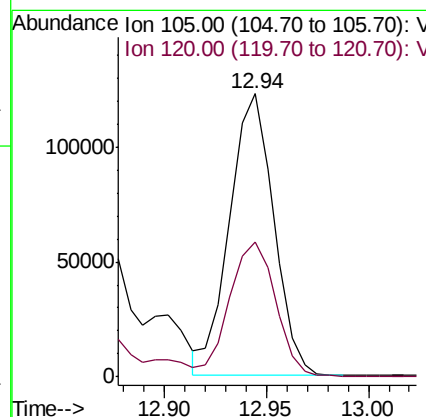
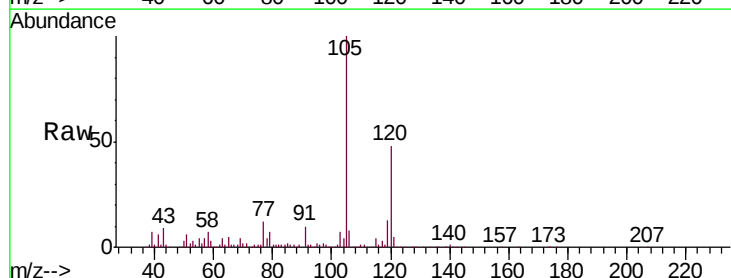
Instrument :
 MSVOA_W
 ClientSampleId :
 30464-67RE

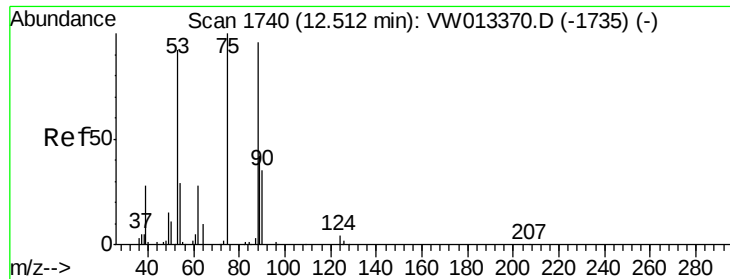
Tgt Ion: 91 Resp: 21694
 Ion Ratio Lower Upper
 91 100
 126 0.4 17.2 51.5#



#80
 1,3,5-Trimethylbenzene
 Concen: 36.731 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013423.D
 Acq: 03 Oct 2019 16:10

Tgt Ion: 105 Resp: 184054
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.9 74.8

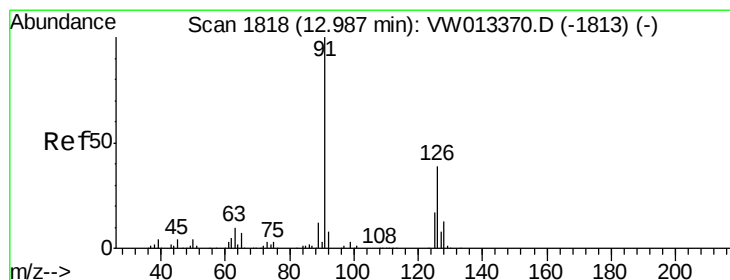
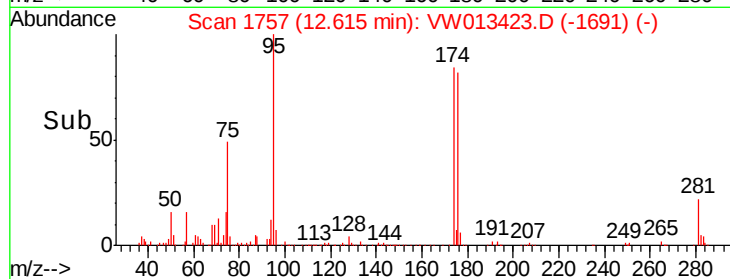
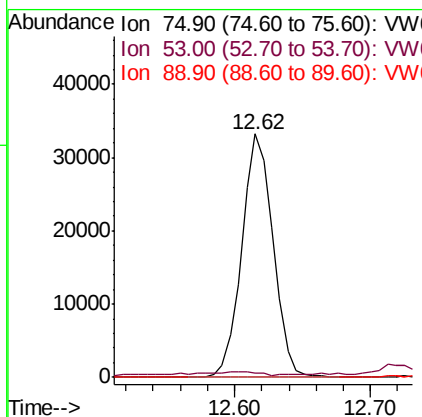
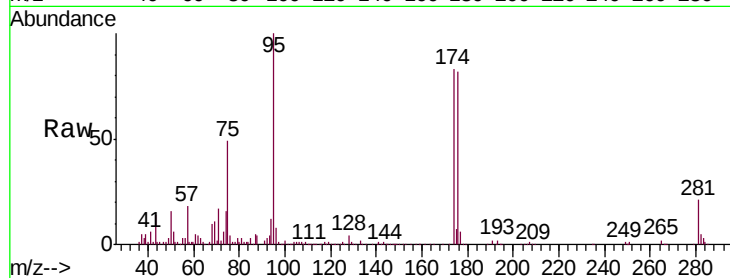




#81
trans-1,4-Dichloro-2-butene
Concen: 145.853 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW013423.D
Acq: 03 Oct 2019 16:10

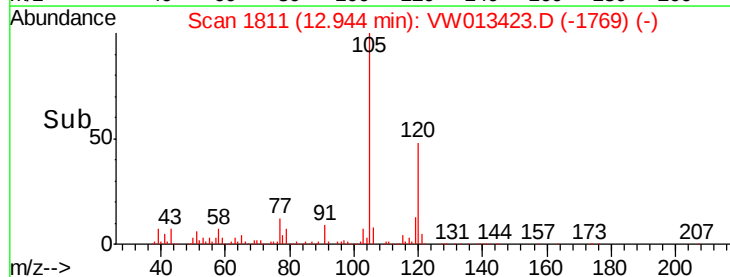
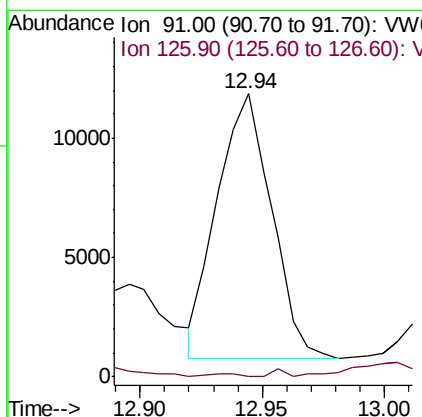
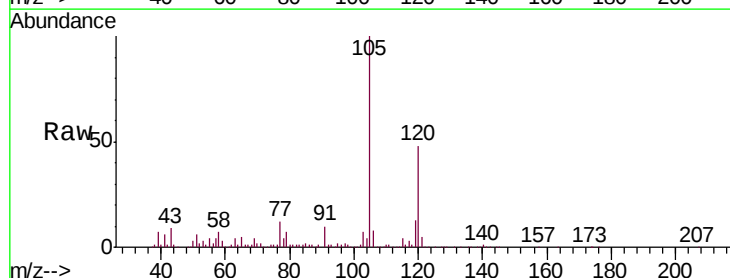
Instrument :
MSVOA_W
ClientSampleId :
30464-67RE

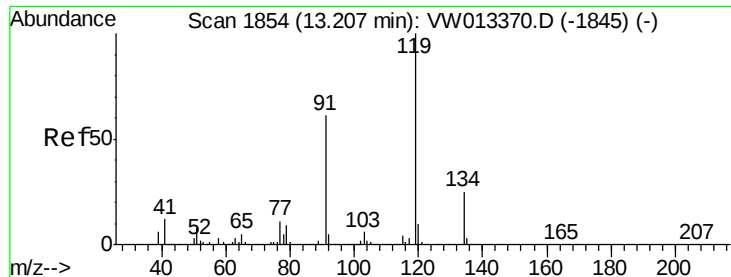
Tgt Ion: 75 Resp: 53300
Ion Ratio Lower Upper
75 100
53 2.1 76.6 114.8#
89 0.2 33.5 50.3#



#82
4-Chlorotoluene
Concen: 4.253 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.04 min
Lab File: VW013423.D
Acq: 03 Oct 2019 16:10

Tgt Ion: 91 Resp: 17171
Ion Ratio Lower Upper
91 100
126 1.2 17.3 51.7#

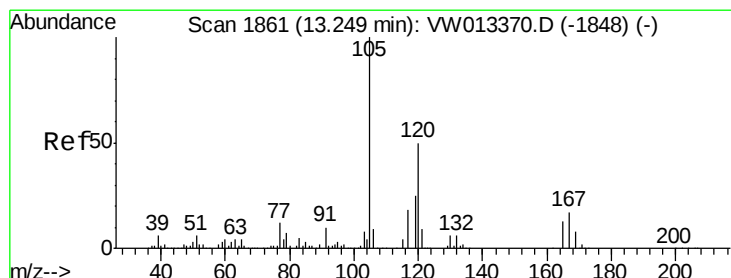
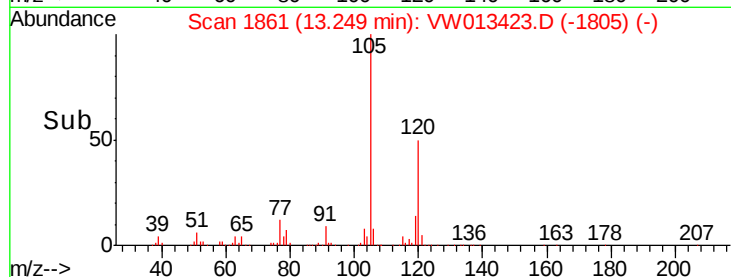
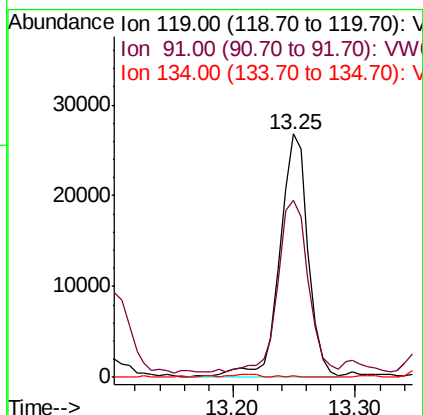
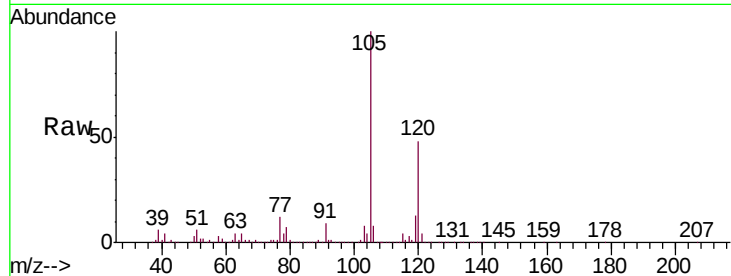




#83
tert-Butylbenzene
Concen: 9.762 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.04 min
Lab File: VW013423.D
Acq: 03 Oct 2019 16:10

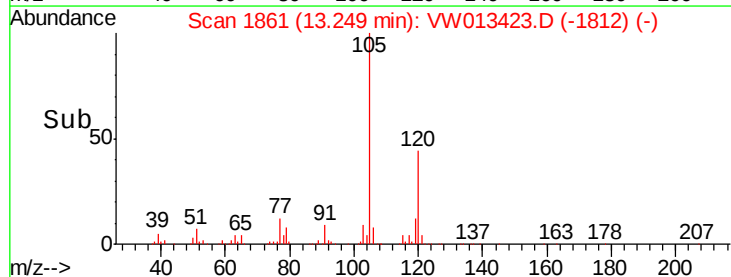
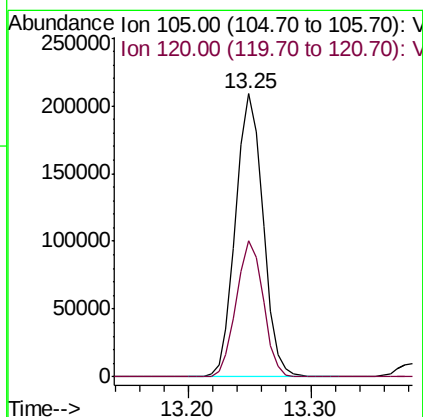
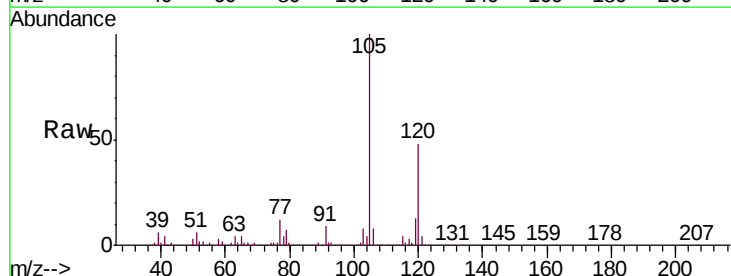
Instrument :
MSVOA_W
ClientSampleId :
30464-67RE

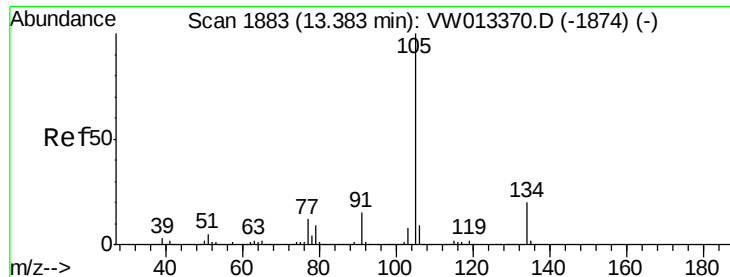
Tgt Ion:119 Resp: 42725
Ion Ratio Lower Upper
119 100
91 76.7 30.7 92.1
134 0.0 12.6 37.6#



#84
1,2,4-Trimethylbenzene
Concen: 65.146 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013423.D
Acq: 03 Oct 2019 16:10

Tgt Ion:105 Resp: 324513
Ion Ratio Lower Upper
105 100
120 47.2 23.4 70.3





#85

sec-Butylbenzene

Concen: 2.633 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013423.D

Acq: 03 Oct 2019 16:10

Instrument :

MSVOA_W

ClientSampled :

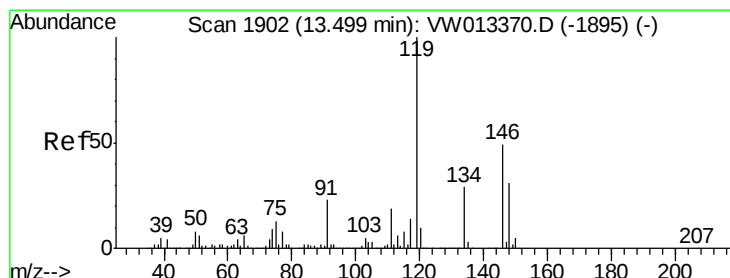
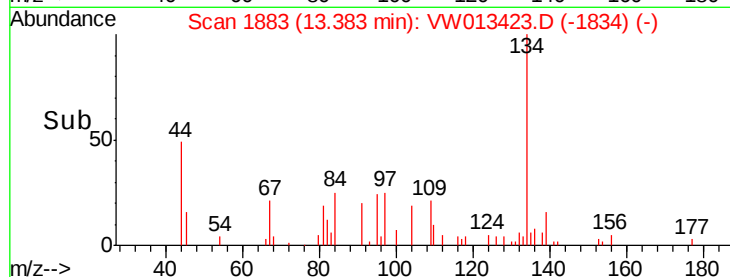
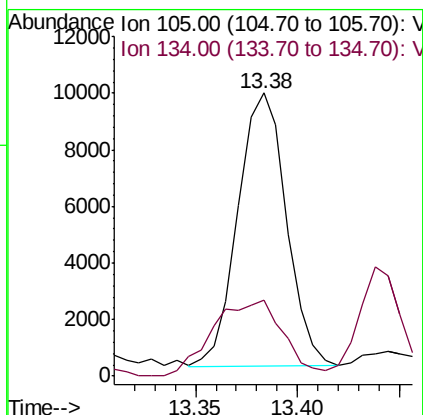
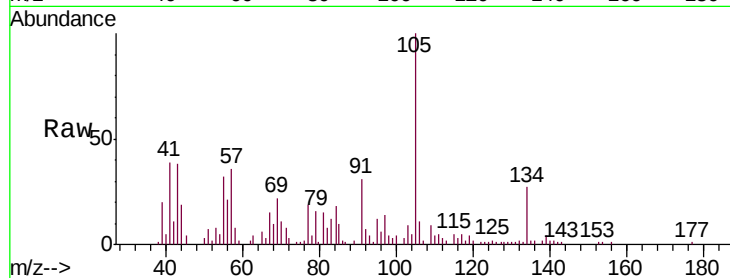
30464-67RE

Tgt Ion:105 Resp: 15886

Ion Ratio Lower Upper

105 100

134 40.5 10.3 30.8#



#86

p-Isopropyltoluene

Concen: 2.158 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013423.D

Acq: 03 Oct 2019 16:10

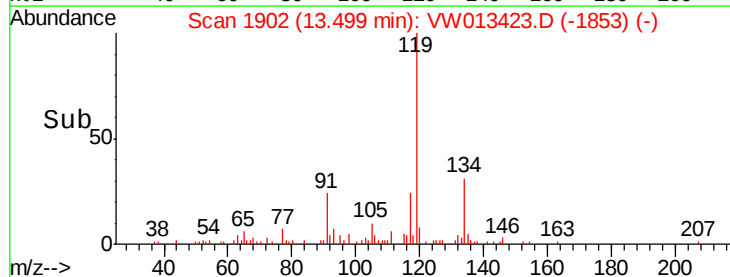
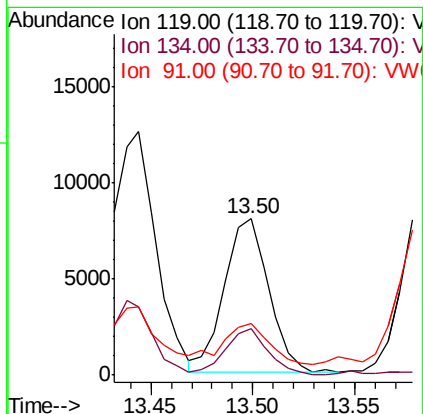
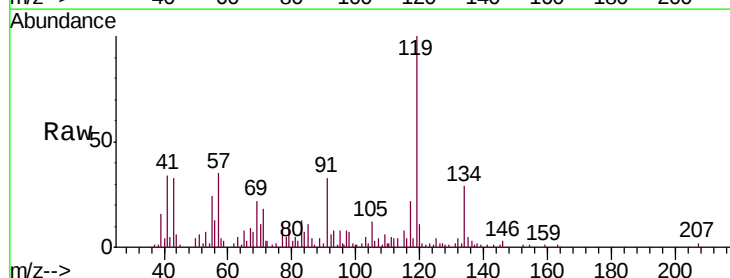
Tgt Ion:119 Resp: 12066

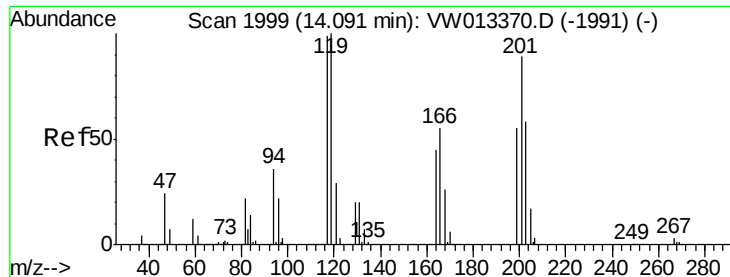
Ion Ratio Lower Upper

119 100

134 29.1 13.3 39.8

91 26.8 10.8 32.4





#90

Hexachloroethane

Concen: 3.449 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW013423.D

Acq: 03 Oct 2019 16:10

Instrument :

MSVOA_W

ClientSampled :

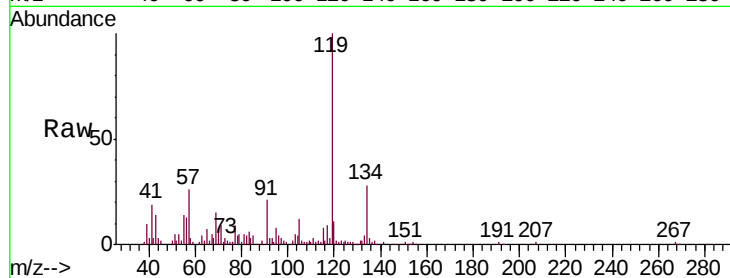
30464-67RE

Tgt Ion: 117 Resp: 3187

Ion Ratio Lower Upper

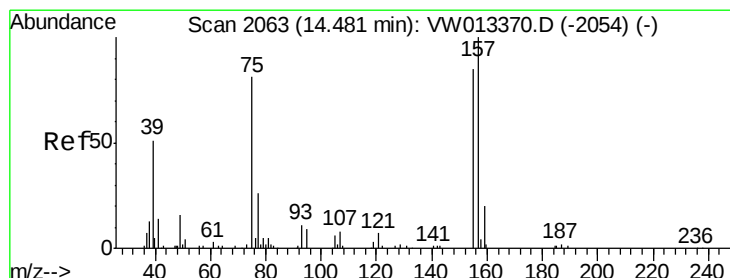
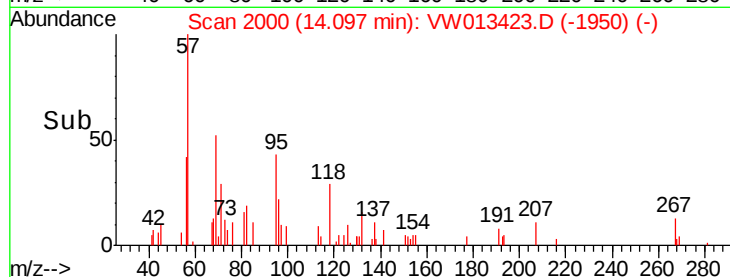
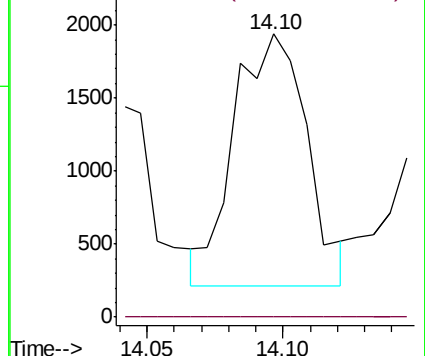
117 100

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: 1.683 ug/l

RT: 14.46 min Scan# 2059

Delta R.T. -0.02 min

Lab File: VW013423.D

Acq: 03 Oct 2019 16:10

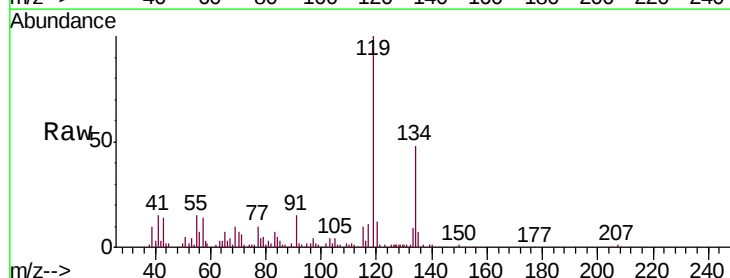
Tgt Ion: 75 Resp: 257

Ion Ratio Lower Upper

75 100

155 20.2 46.1 138.3#

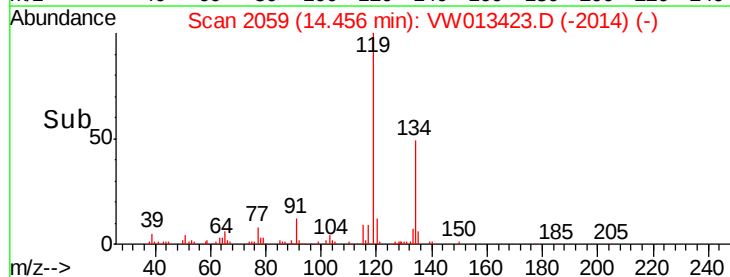
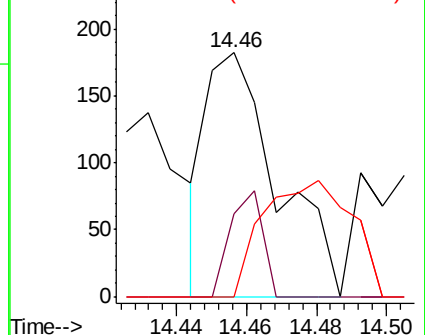
157 0.0 60.4 181.2#

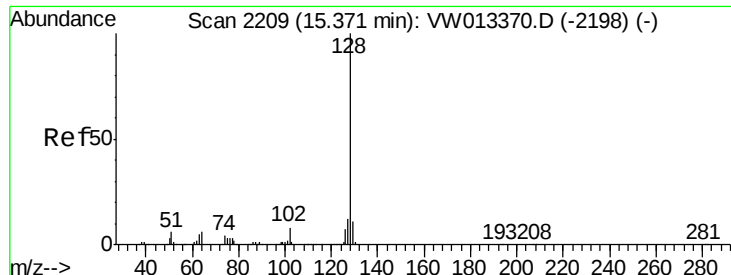


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

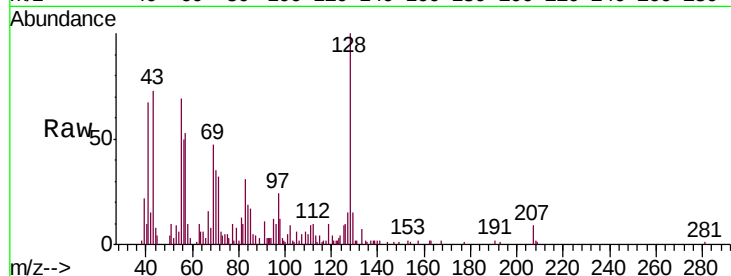




#95
Naphthalene
Concen: 3.740 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013423.D
Acq: 03 Oct 2019 16:10

Instrument :
MSVOA_W
ClientSampleId :
30464-67RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.6	15.8
129	14.0	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

