

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072818\
 Data File : VW004259.D
 Acq On : 27 Jul 2018 08:03
 Operator : SY/AP
 Sample : J4099-04RE
 Misc : 5.69G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 27 08:47:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	258984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	428792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	280183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	76196	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	152105	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
35) Dibromofluoromethane	7.88	113	96831	35.20	ug/l	0.00
Spiked Amount			Recovery	=	70.40%	
50) Toluene-d8	10.33	98	393340	36.85	ug/l	0.00
Spiked Amount			Recovery	=	73.70%	
62) 4-Bromofluorobenzene	12.62	95	100668	26.15	ug/l	0.00
Spiked Amount			Recovery	=	52.30%	

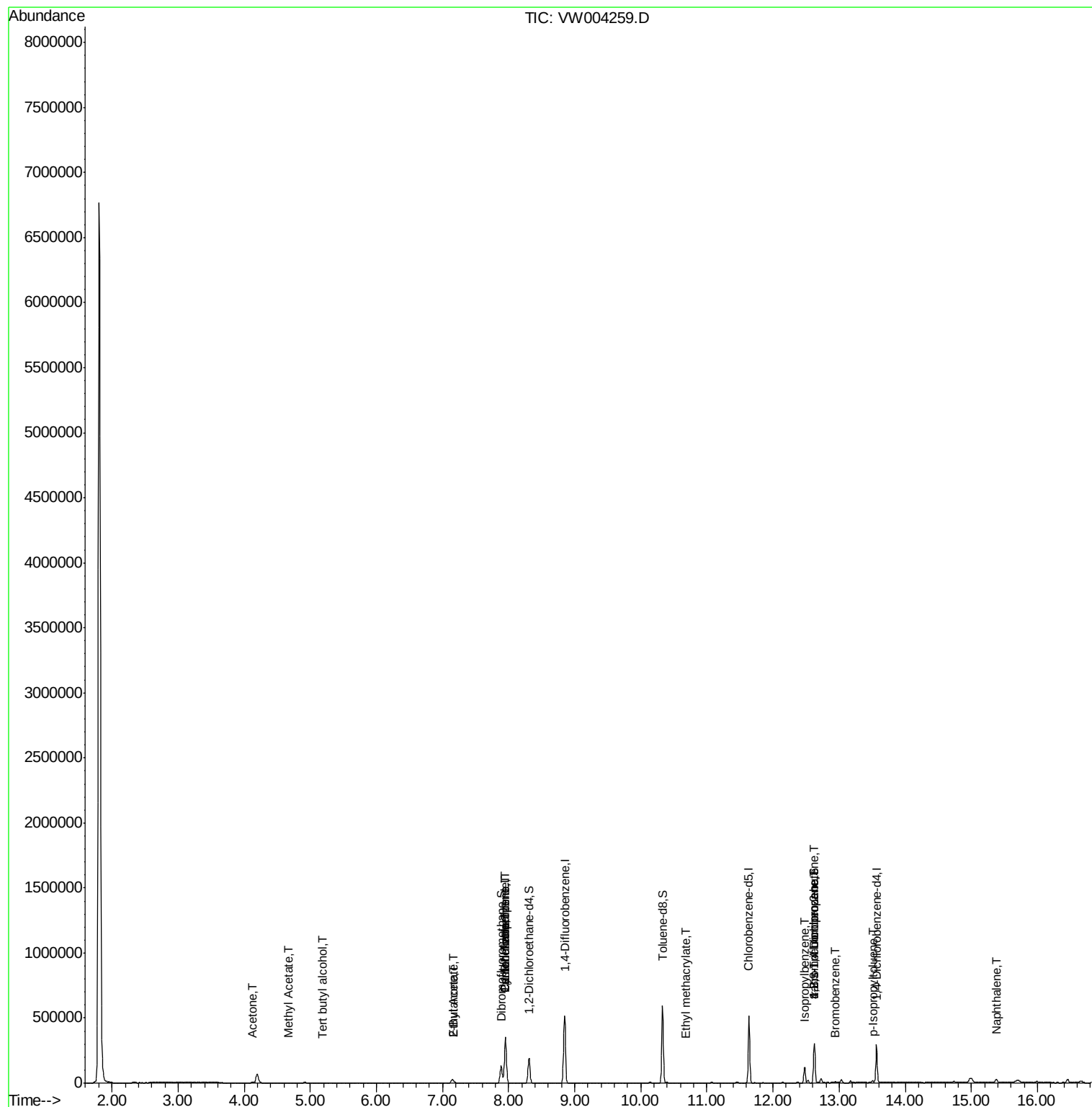
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	795	3.978	ug/l	96
16) Acetone	4.13	43	9273	13.330	ug/l	95
18) Methyl Acetate	4.67	43	3664	2.194	ug/l	93
20) Methylene Chloride	4.91	84	3507	Below Cal		91
25) 2-Butanone	7.18	43	2414	2.579	ug/l #	77
31) Cyclohexane	7.95	56	5963	1.242	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	20674	4.686	ug/l #	49
37) Ethyl Acetate	7.18	43	2414	1.134	ug/l #	70
38) Carbon Tetrachloride	7.95	117	25450	6.174	ug/l #	17
56) Ethyl methacrylate	10.68	69	52	2.961	ug/l #	10
73) Isopropylbenzene	12.48	105	5740	1.066	ug/l #	70
76) 1,2,3-Trichloropropane	12.62	75	51041	67.474	ug/l #	100
77) Bromobenzene	12.93	156	3449	2.677	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	51041	149.251	ug/l #	11
86) p-Isopropyltoluene	13.51	119	7770	1.569	ug/l	93
95) Naphthalene	15.38	128	19667	6.618	ug/l	99

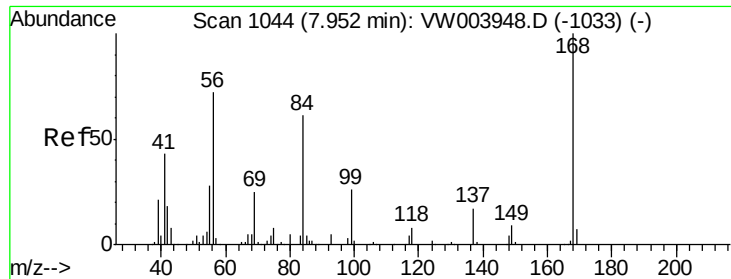
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004259.D

Acq: 27 Jul 2018 08:03

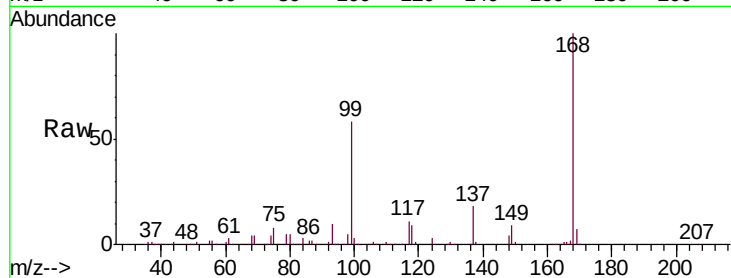
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 258984

Ion Ratio Lower Upper

168 100

99 57.5 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

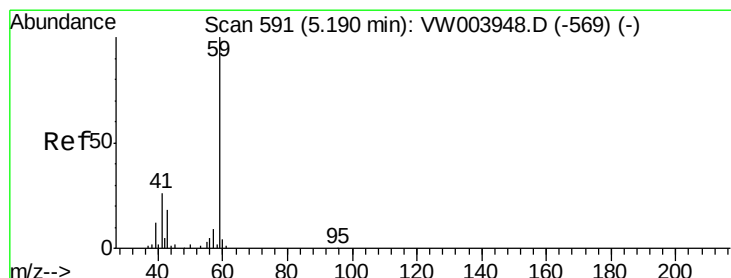
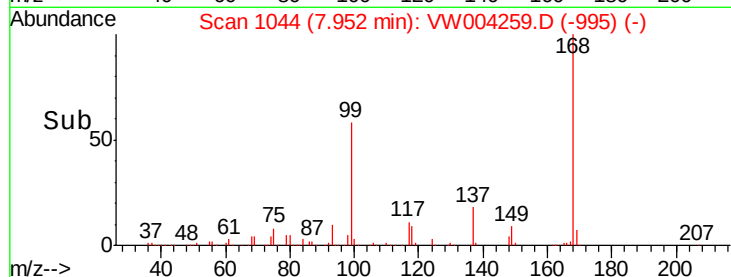
7.95

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.978 ug/l

RT: 5.19 min Scan# 591

Delta R.T. 0.00 min

Lab File: VW004259.D

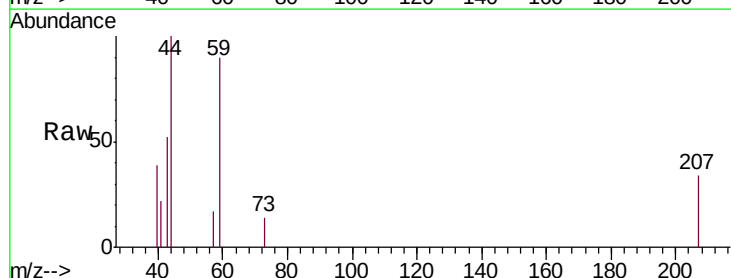
Acq: 27 Jul 2018 08:03

Tgt Ion: 59 Resp: 795

Ion Ratio Lower Upper

59 100

57 9.1 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.19

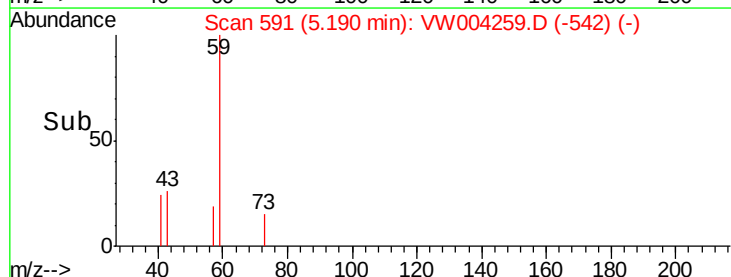
300

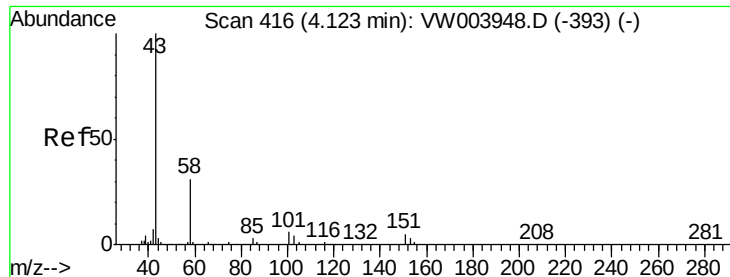
200

100

0

Time-->





#16

Acetone

Concen: 13.330 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW004259.D

Acq: 27 Jul 2018 08:03

Instrument :

MSVOA_W

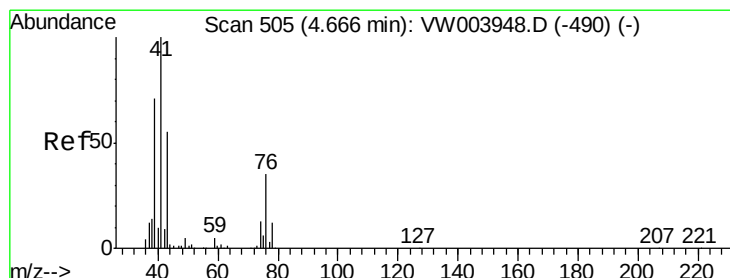
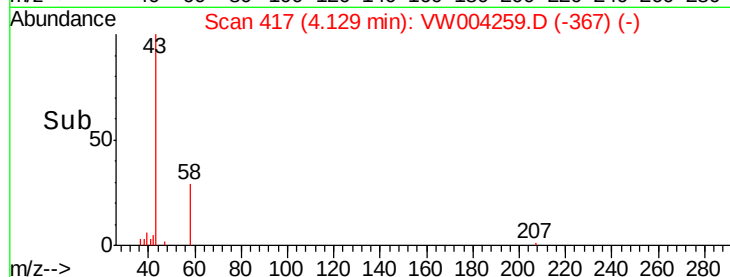
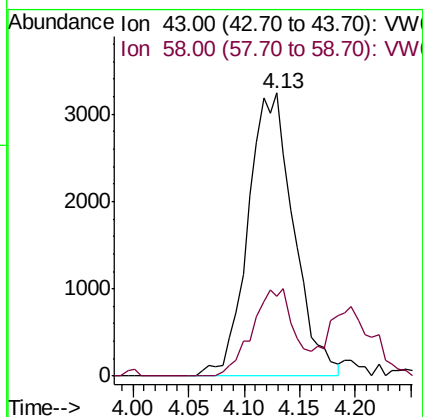
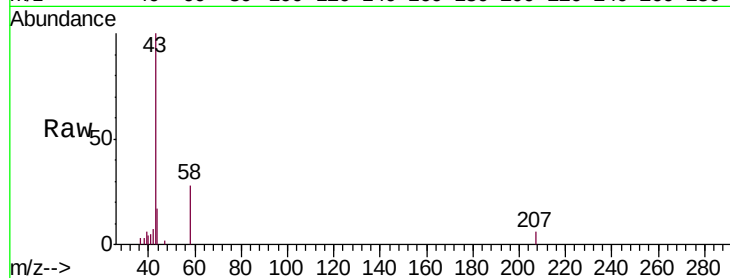
ClientSampled :

Tot Ion: 43 Resp: 9273

Ion Ratio Lower Upper

43 100

58 28.1 24.5 36.7



#18

Methyl Acetate

Concen: 2.194 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.00 min

Lab File: VW004259.D

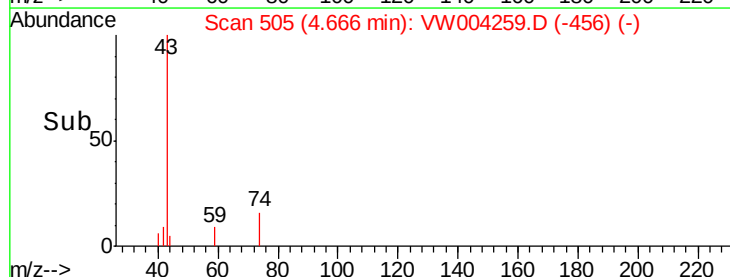
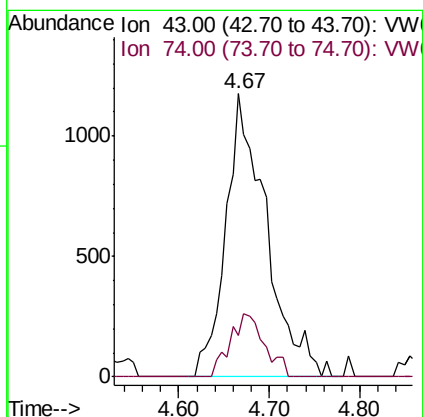
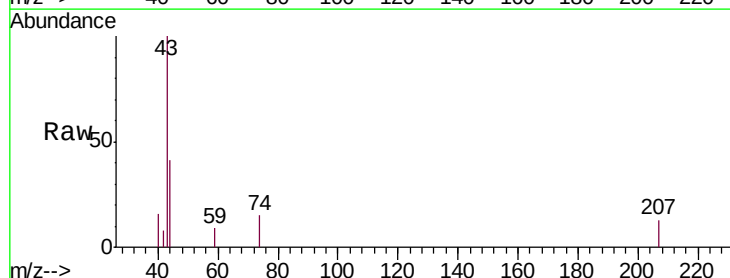
Acq: 27 Jul 2018 08:03

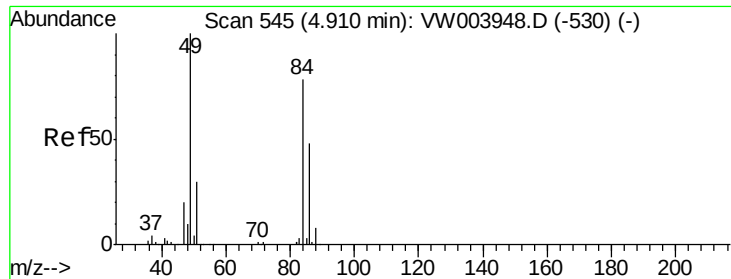
Tgt Ion: 43 Resp: 3664

Ion Ratio Lower Upper

43 100

74 18.8 17.7 26.5

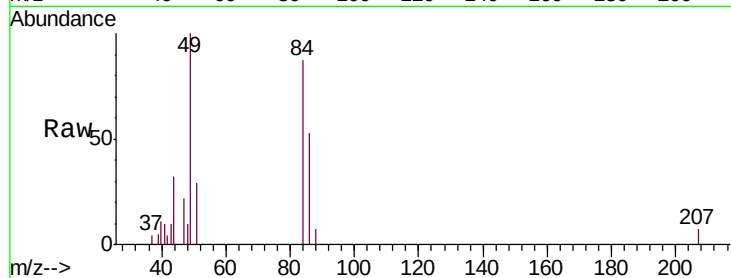




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004259.D
Acq: 27 Jul 2018 08:03

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	84	Resp:	3507
Ion	Ratio	Lower	Upper
84	100		
49	114.8	102.9	154.3
51	33.7	30.9	46.3
86	60.7	49.9	74.9



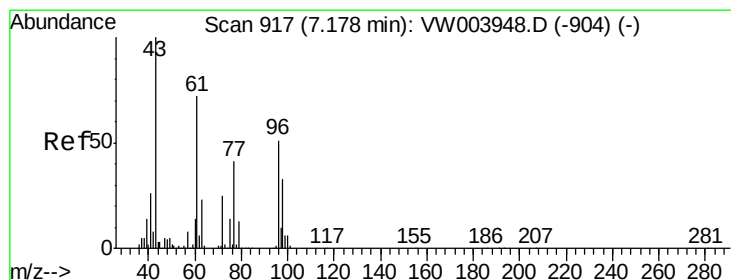
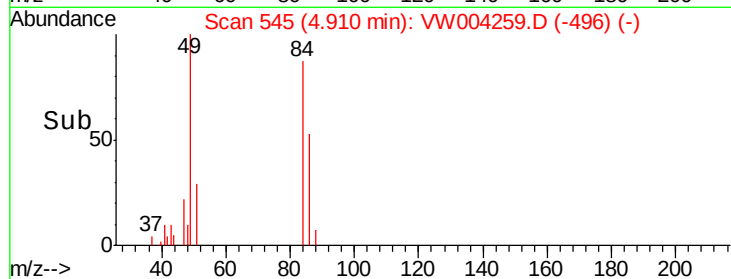
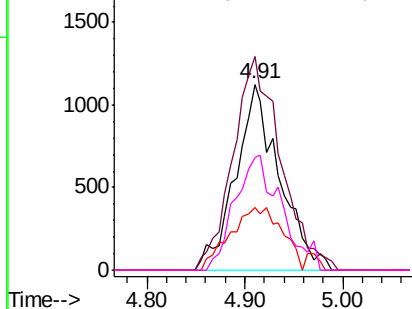
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

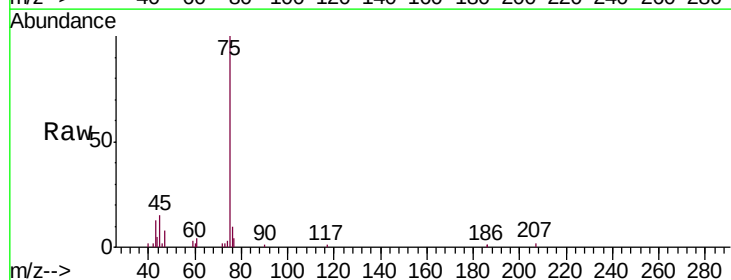
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 2.579 ug/l
RT: 7.18 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW004259.D
Acq: 27 Jul 2018 08:03

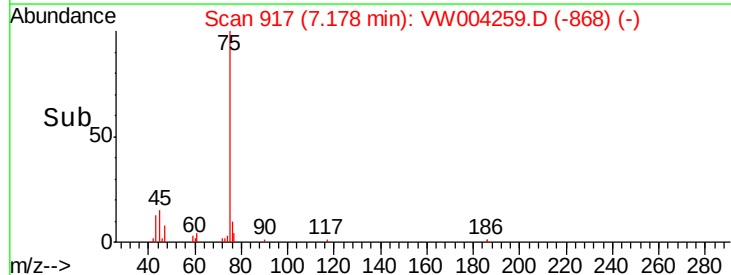
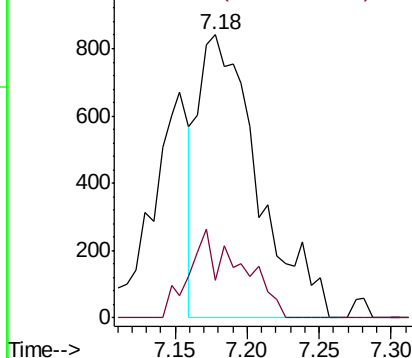
Tgt Ion:	43	Resp:	2414
Ion	Ratio	Lower	Upper
43	100		
72	13.2	19.8	29.6#

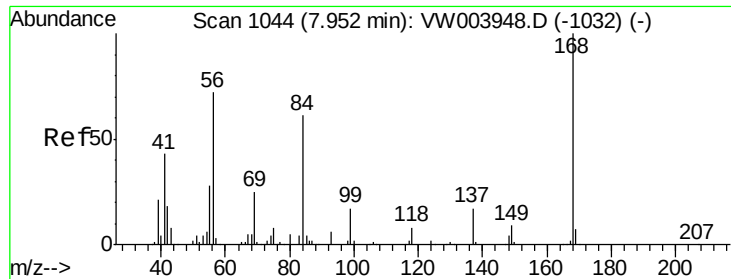


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

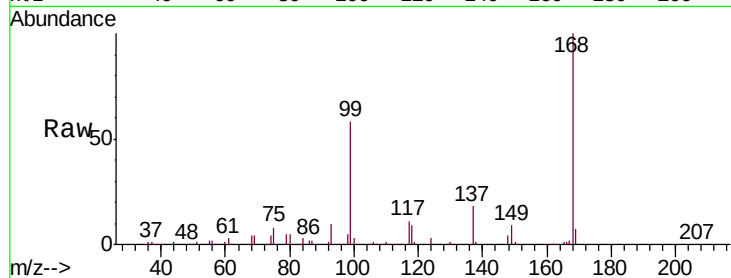




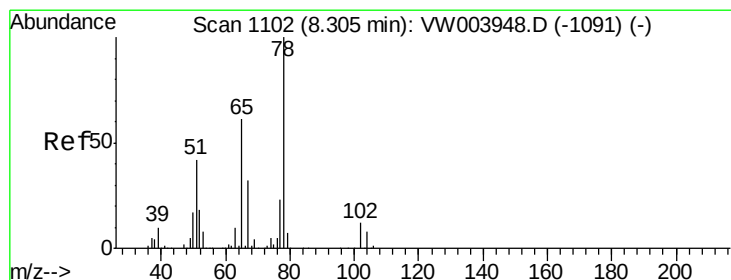
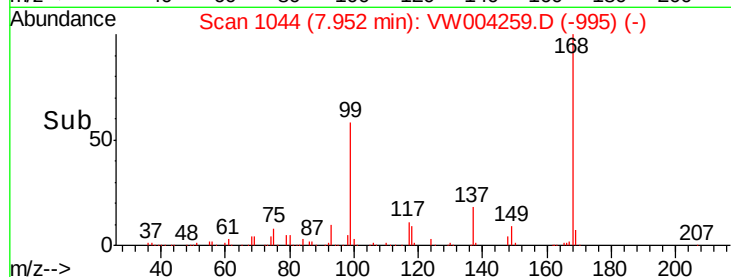
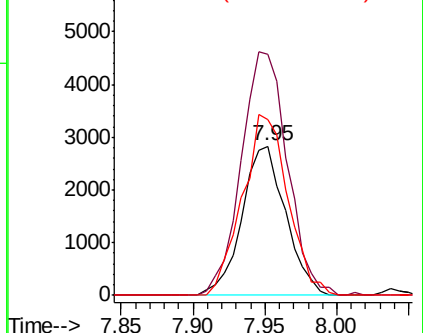
#31
Cyclohexane
Concen: 1.242 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW004259.D
Acq: 27 Jul 2018 08:03

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5963
Ion Ratio Lower Upper
56 100
69 161.6 27.8 41.8#
84 117.9 67.2 100.8#

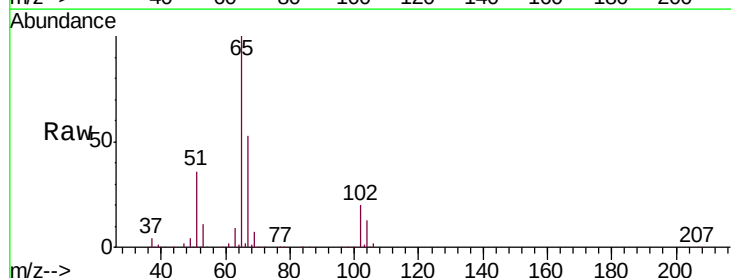


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

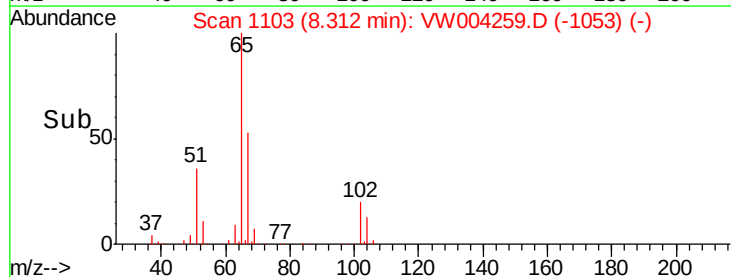
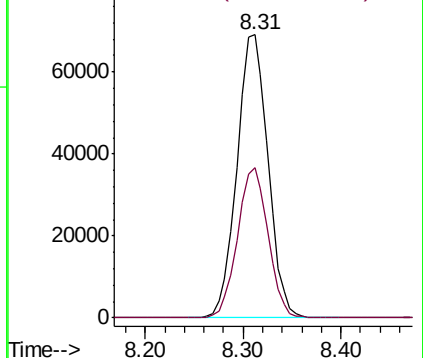


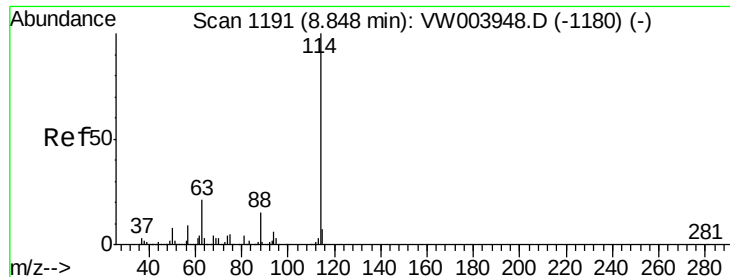
#33
1,2-Dichloroethane-d4
Concen: 52.542 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW004259.D
Acq: 27 Jul 2018 08:03

Tgt Ion: 65 Resp: 152105
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.0



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: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004259.D

Acq: 27 Jul 2018 08:03

Instrument :

MSVOA_W

ClientSampleId :

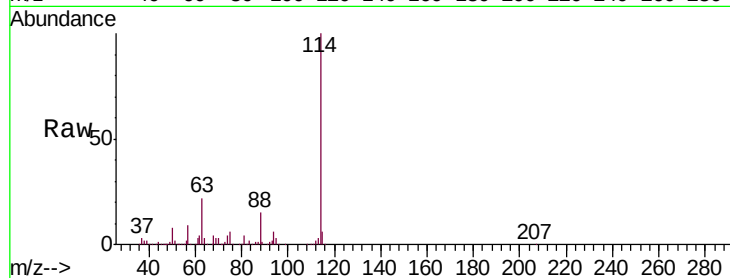
Tot Ion:114 Resp: 428792

Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.8

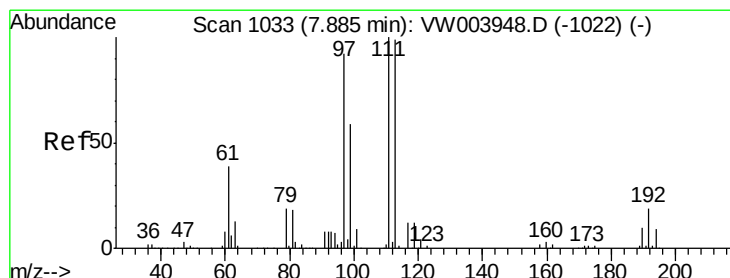
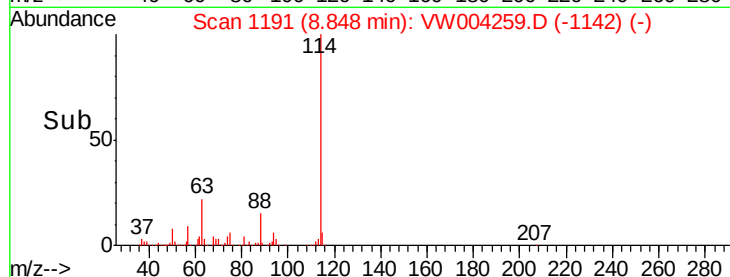
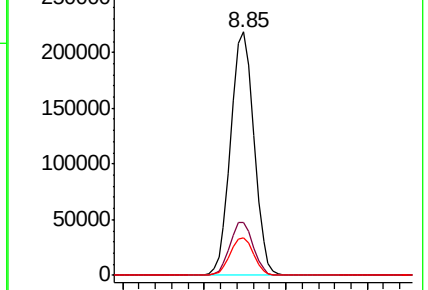
88 15.4 0.0 30.4



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: 35.195 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004259.D

Acq: 27 Jul 2018 08:03

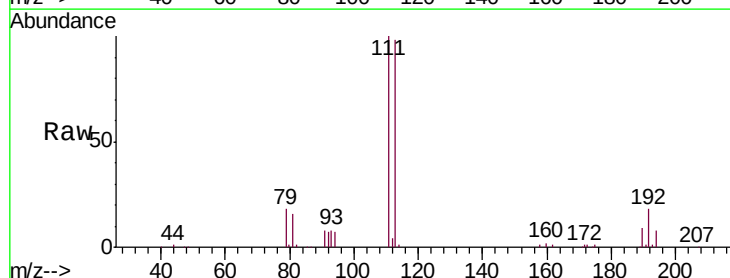
Tgt Ion:113 Resp: 96831

Ion Ratio Lower Upper

113 100

111 102.8 81.3 121.9

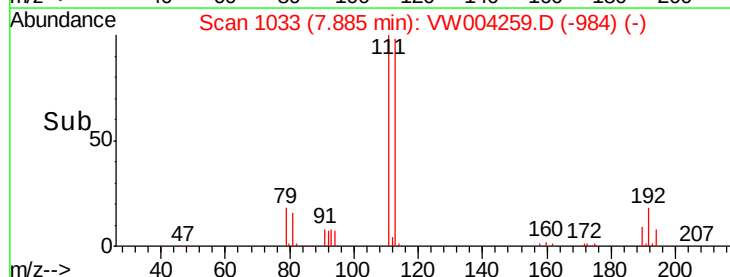
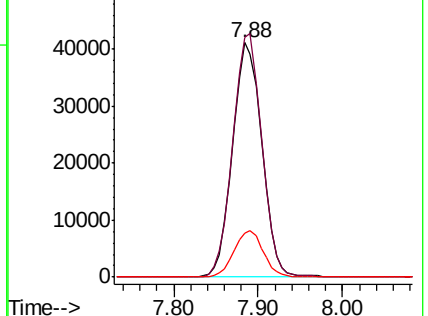
192 19.6 15.8 23.6

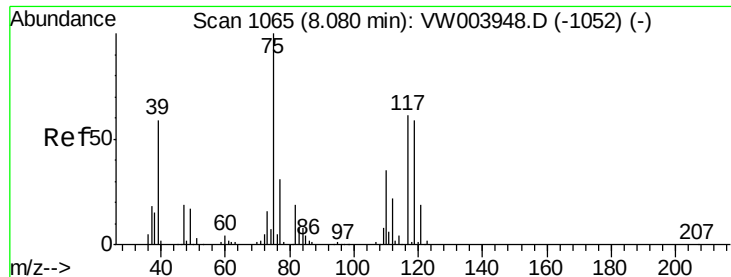


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.686 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004259.D

Acq: 27 Jul 2018 08:03

Instrument :

MSVOA_W

ClientSampled :

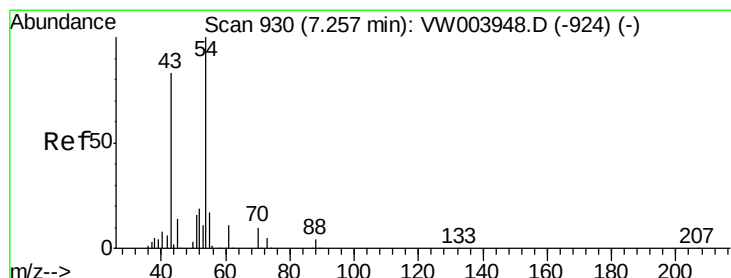
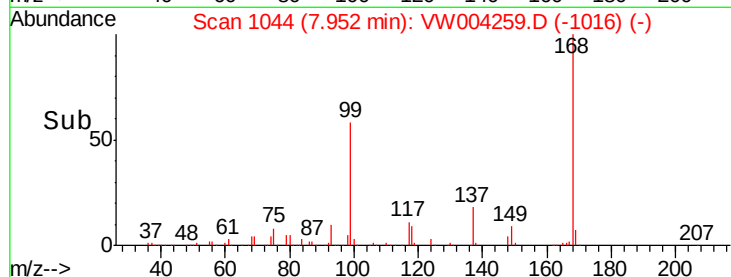
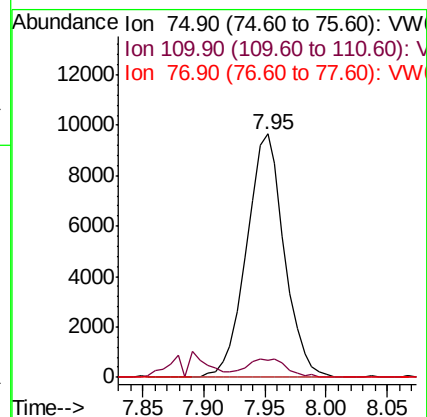
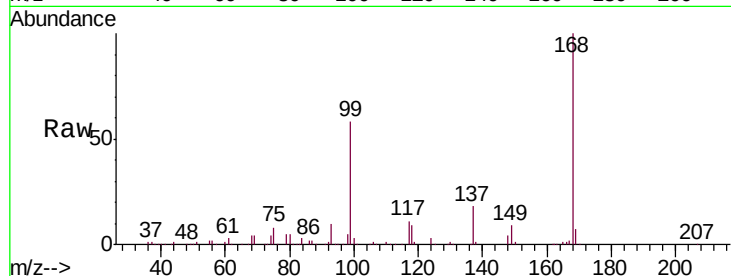
Tot Ion: 75 Resp: 20674

Ion Ratio Lower Upper

75 100

110 8.2 17.0 51.0#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 1.134 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.08 min

Lab File: VW004259.D

Acq: 27 Jul 2018 08:03

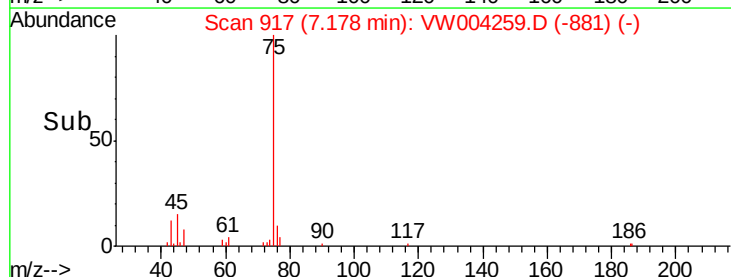
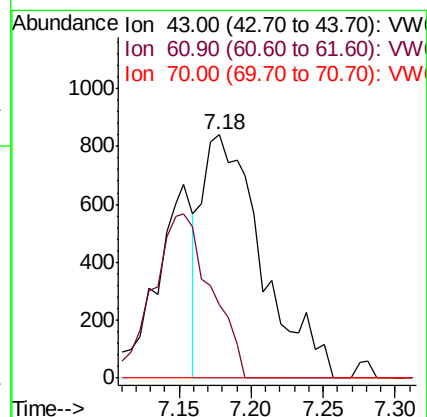
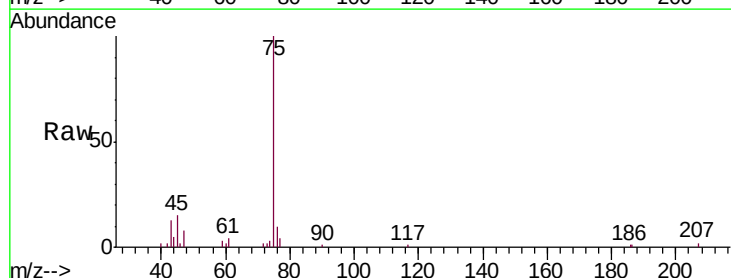
Tgt Ion: 43 Resp: 2414

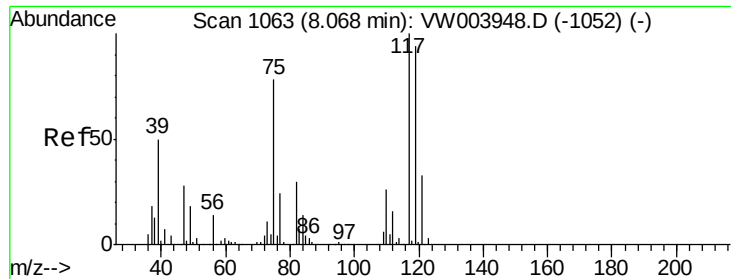
Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 7.7 11.5#

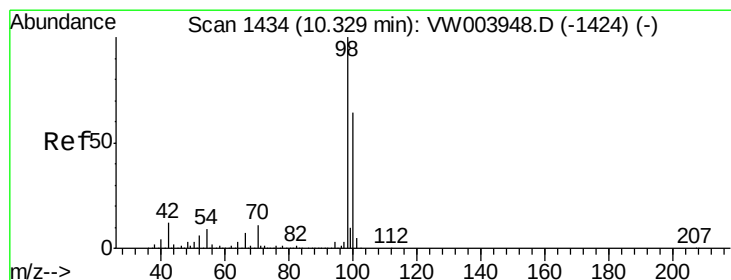
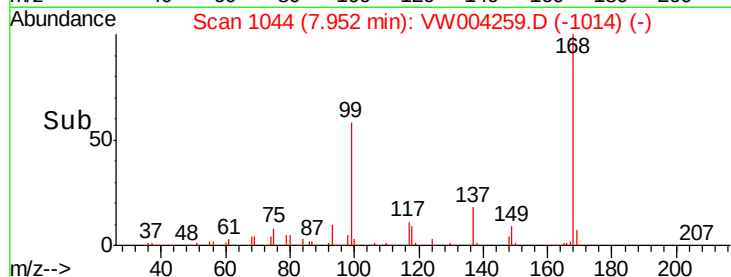
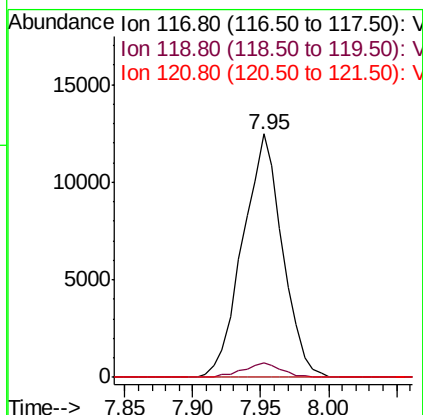
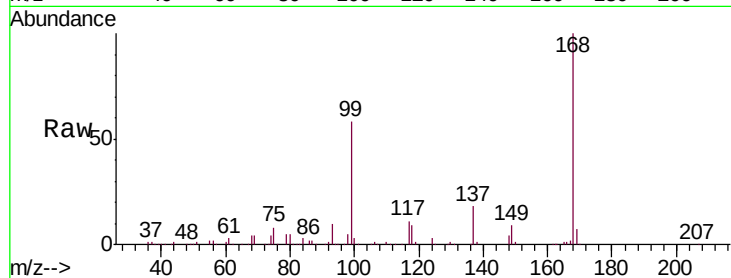




#38
Carbon Tetrachloride
Concen: 6.174 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW004259.D
Acq: 27 Jul 2018 08:03

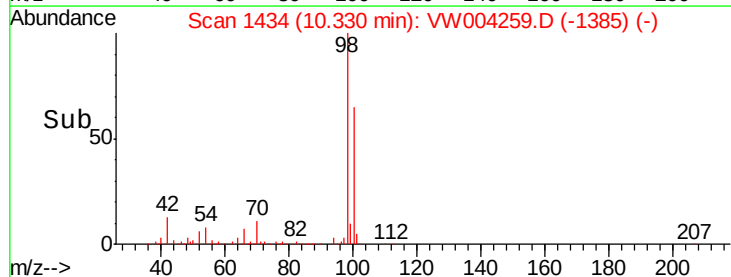
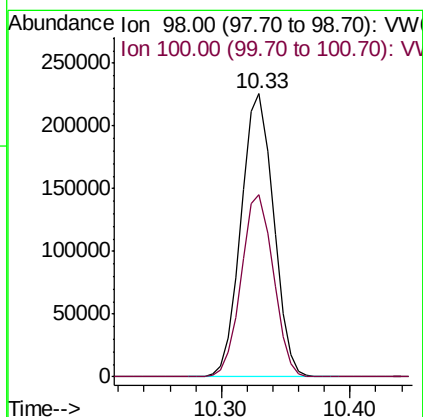
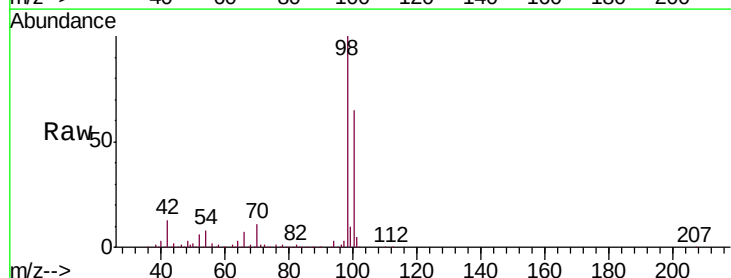
Instrument :
MSVOA_W
ClientSampleId :

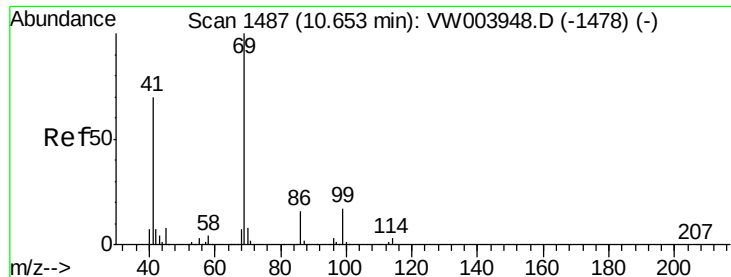
Tot Ion:117 Resp: 25450
Ion Ratio Lower Upper
117 100
119 6.0 75.3 112.9#
121 0.0 26.0 39.0#



#50
Toluene-d8
Concen: 36.845 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004259.D
Acq: 27 Jul 2018 08:03

Tgt Ion: 98 Resp: 393340
Ion Ratio Lower Upper
98 100
100 63.8 51.2 76.8

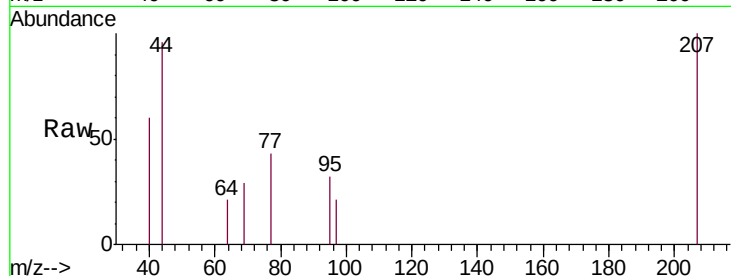




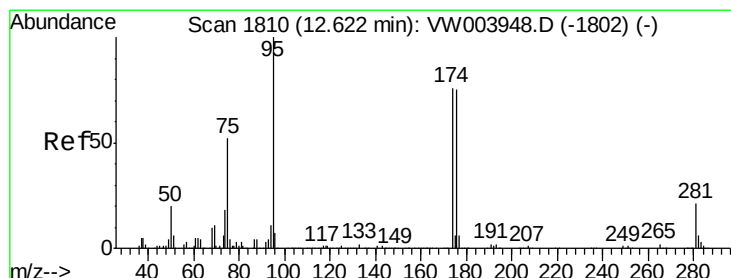
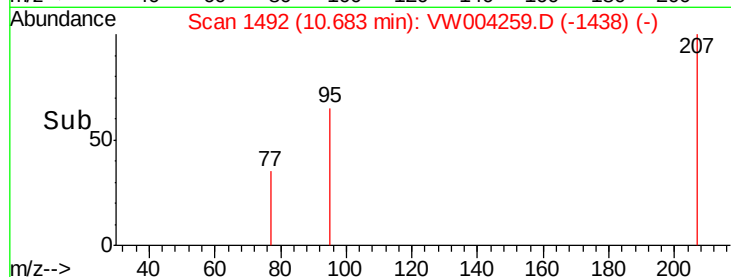
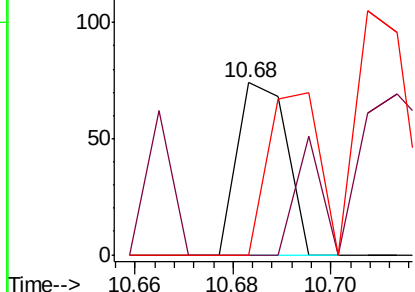
#56
Ethyl methacrylate
Concen: 2.961 ug/l
RT: 10.68 min Scan# 1492
Delta R.T. 0.03 min
Lab File: VW004259.D
Acq: 27 Jul 2018 08:03

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 69 Resp: 52
Ion Ratio Lower Upper
69 100
41 0.0 56.5 84.7#
39 96.2 30.2 45.4#

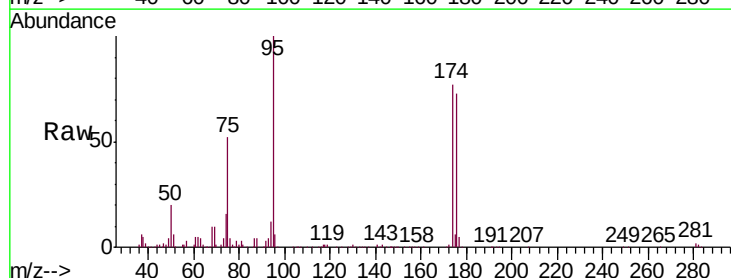


Abundance Ion 69.00 (68.70 to 69.70): VW
Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW

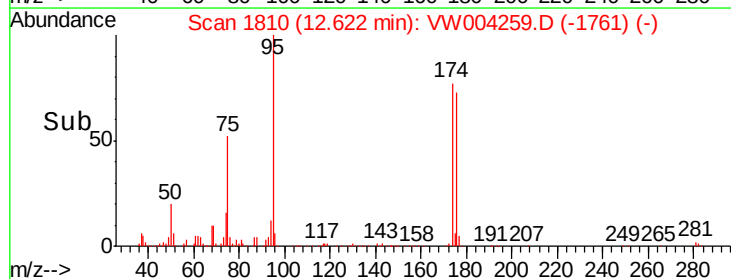
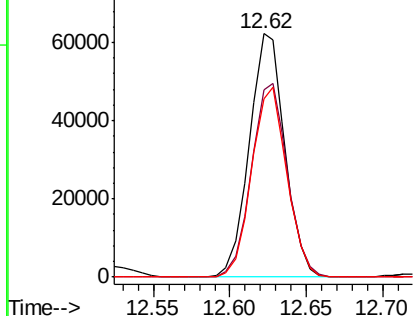


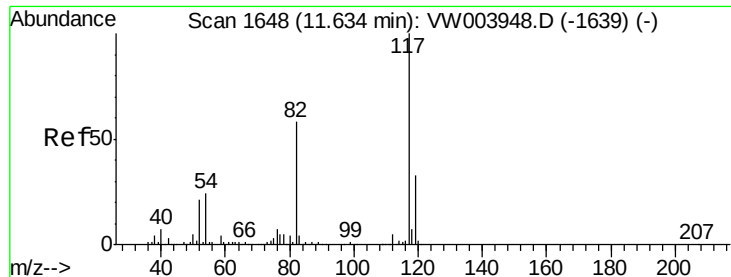
#62
4-Bromofluorobenzene
Concen: 26.150 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004259.D
Acq: 27 Jul 2018 08:03

Tgt Ion: 95 Resp: 100668
Ion Ratio Lower Upper
95 100
174 80.3 0.0 160.2
176 77.3 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

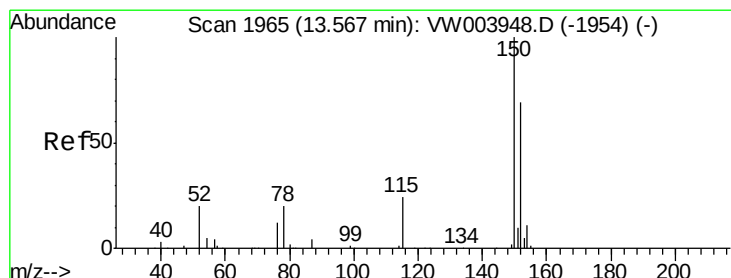
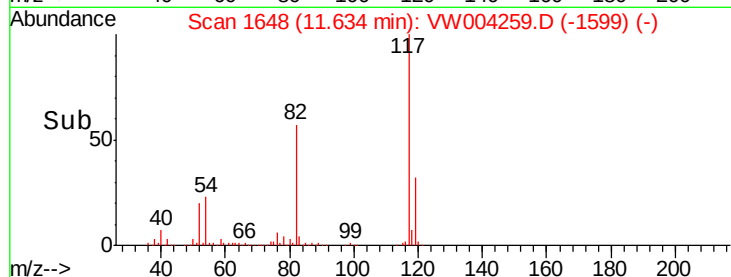
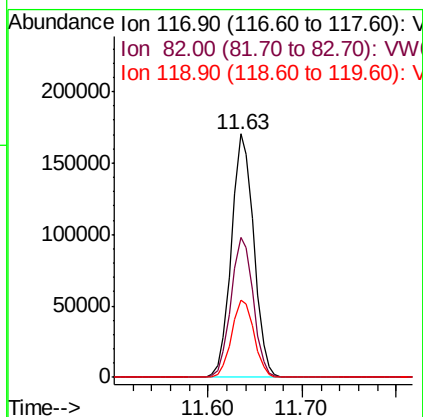
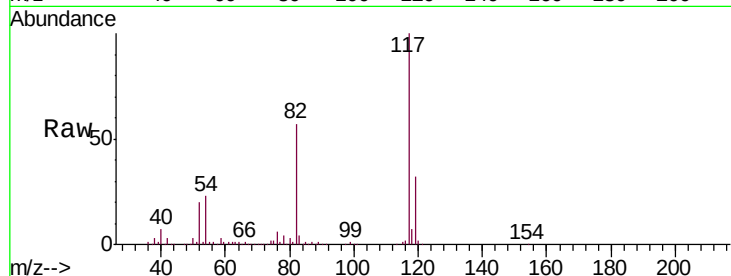




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004259.D
Acq: 27 Jul 2018 08:03

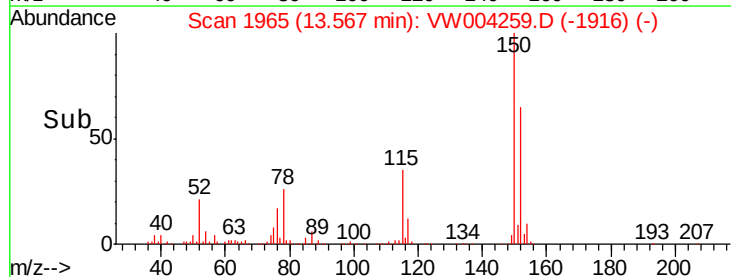
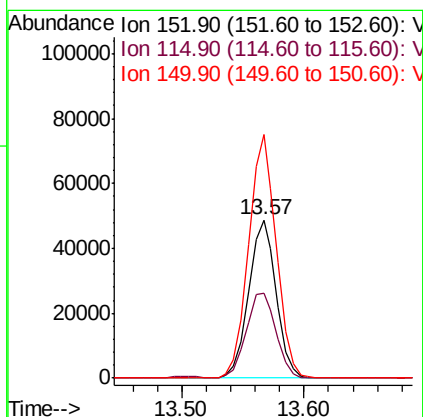
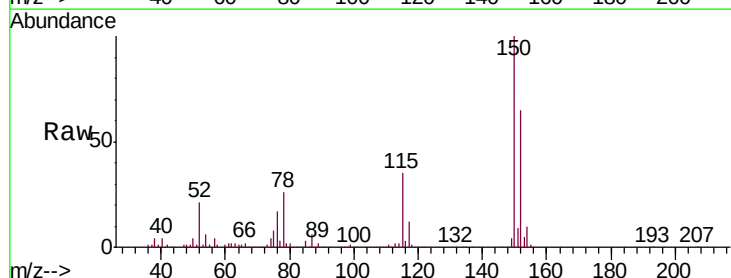
Instrument :
MSVOA_W
ClientSampleId :

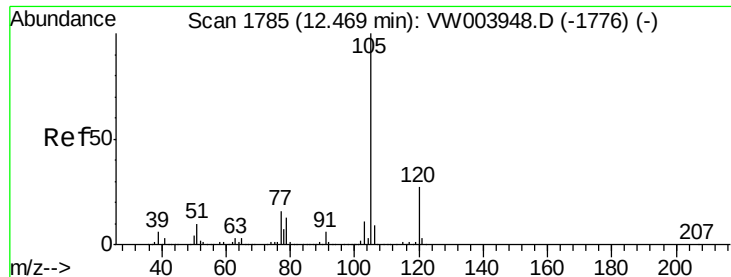
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.5	69.7
119	31.9	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004259.D
Acq: 27 Jul 2018 08:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	29.2	87.6
150	154.1	0.0	345.2





#73

Isopropylbenzene

Concen: 1.066 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VW004259.D

Acq: 27 Jul 2018 08:03

Instrument :

MSVOA_W

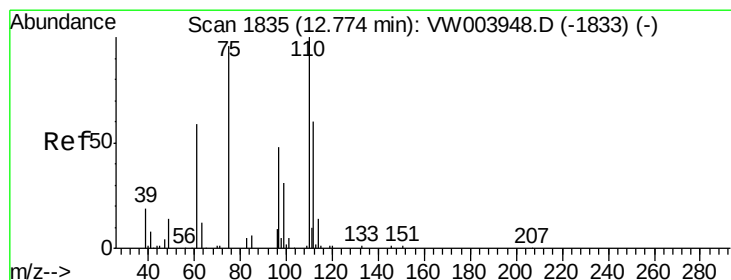
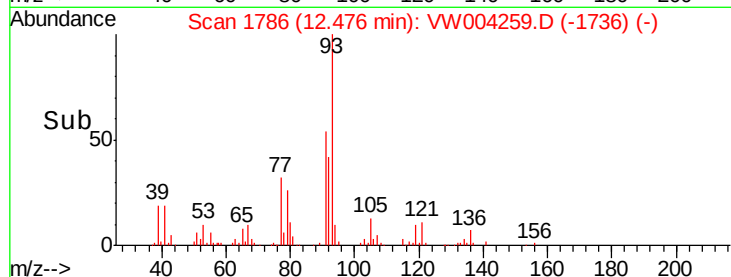
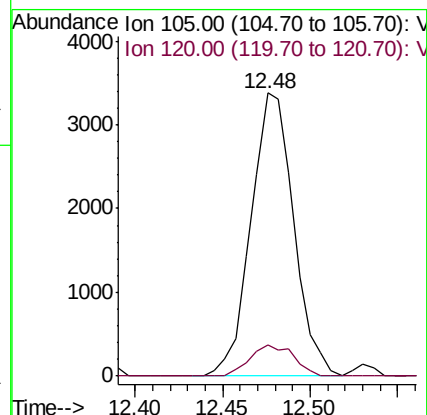
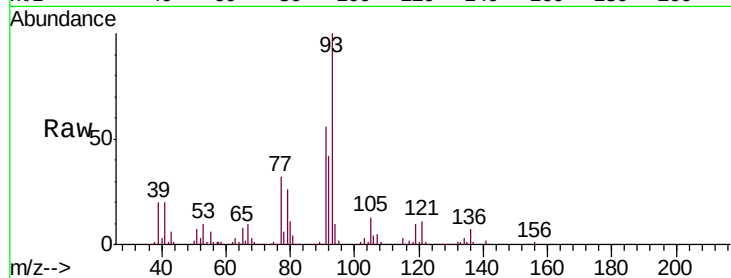
ClientSampleId :

Tot Ion:105 Resp: 5740

Ion Ratio Lower Upper

105 100

120 11.2 13.2 39.6#



#76

1,2,3-Trichloropropane

Concen: 67.474 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004259.D

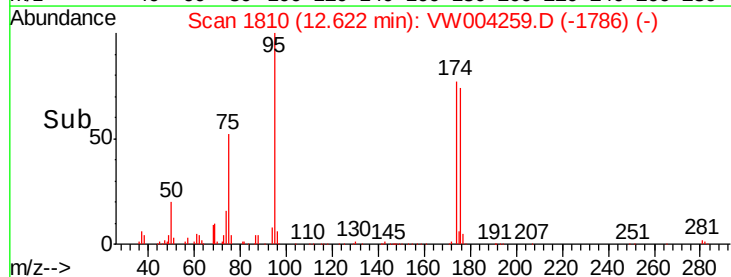
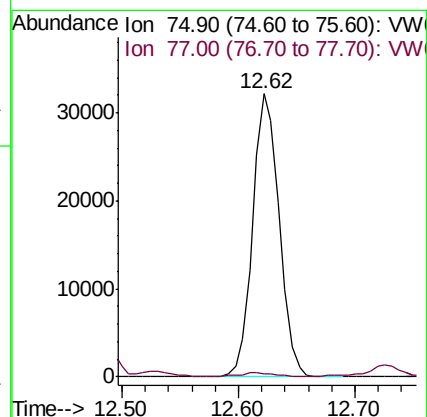
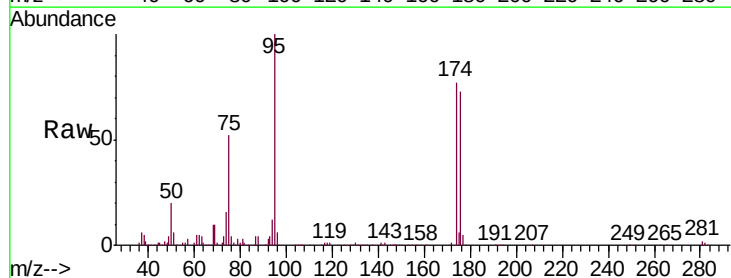
Acq: 27 Jul 2018 08:03

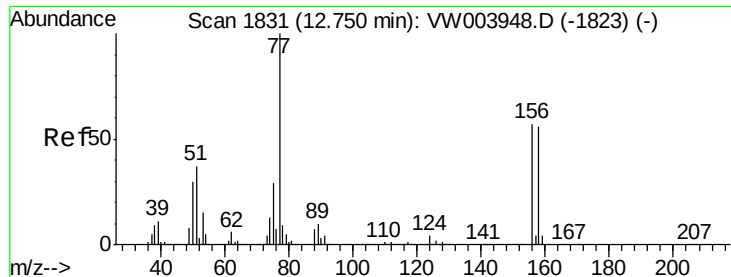
Tgt Ion: 75 Resp: 51041

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#





#77

Bromobenzene

Concen: 2.677 ug/l

RT: 12.93 min Scan# 1860

Delta R.T. 0.18 min

Lab File: VW004259.D

Acq: 27 Jul 2018 08:03

Instrument :

MSVOA_W

ClientSampled :

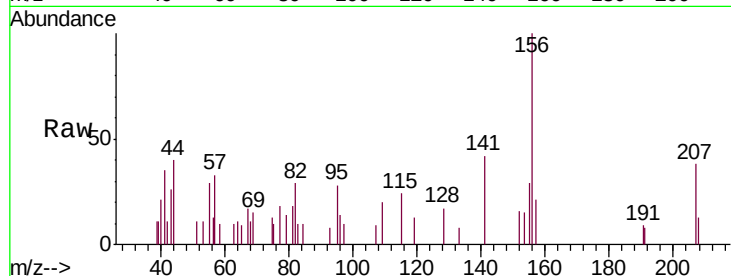
Tot Ion:156 Resp: 3449

Ion Ratio Lower Upper

156 100

77 0.0 96.2 288.6#

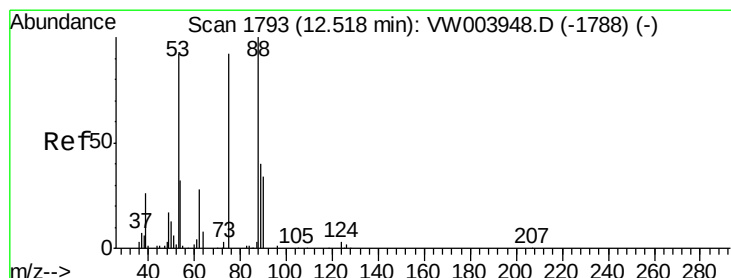
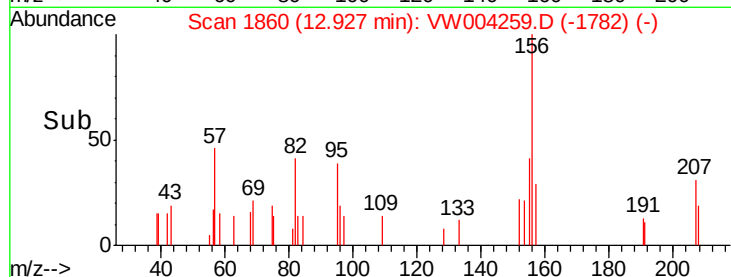
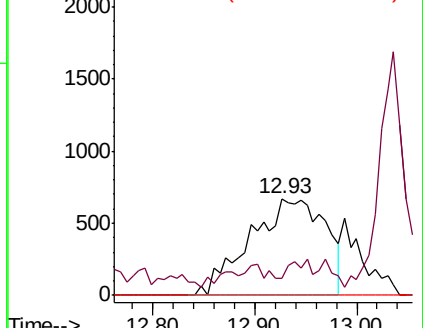
158 0.0 48.5 145.5#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 149.251 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004259.D

Acq: 27 Jul 2018 08:03

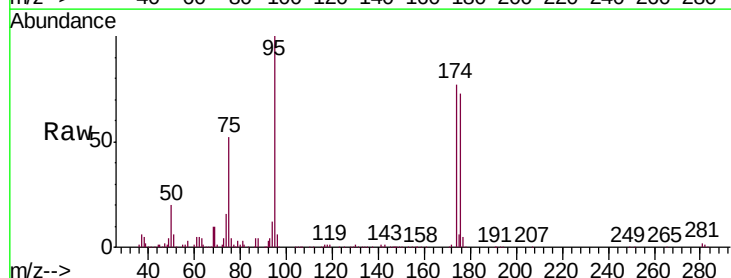
Tgt Ion: 75 Resp: 51041

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

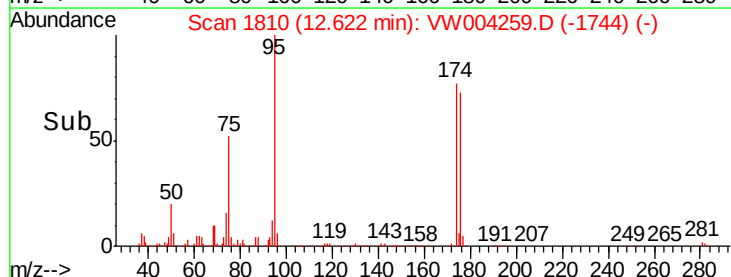
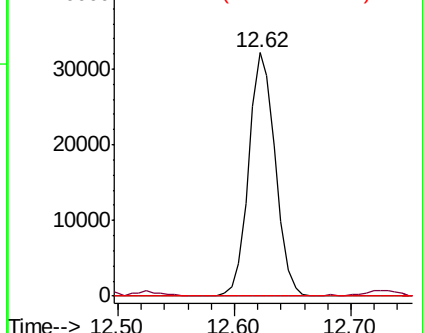
89 0.0 36.6 54.8#

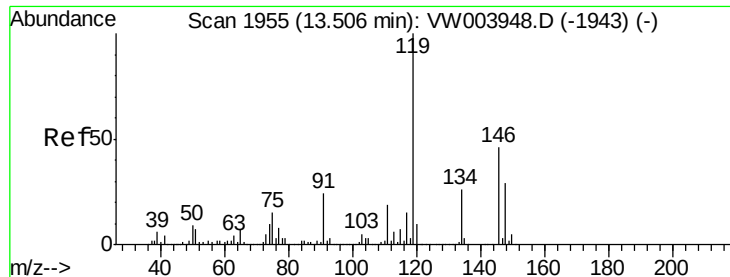


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

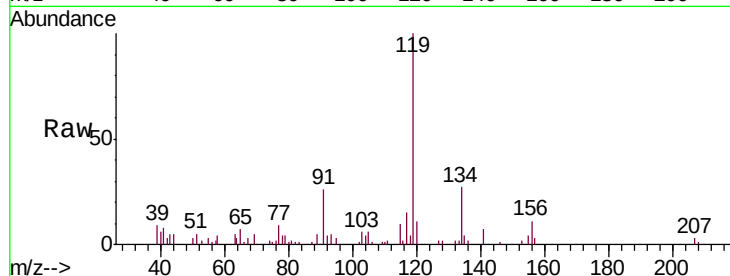




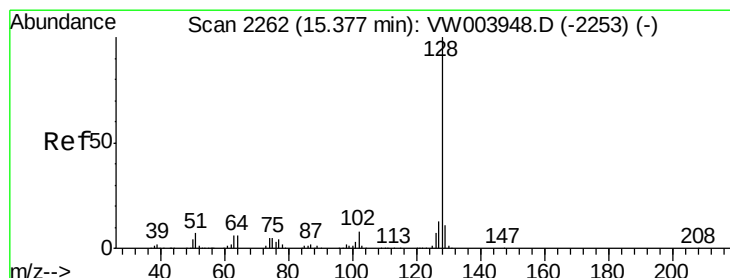
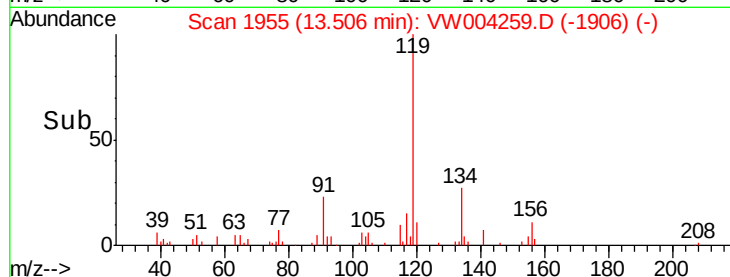
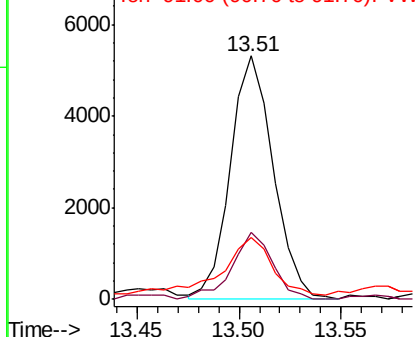
#86
p-Isopropyltoluene
Concen: 1.569 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW004259.D
Acq: 27 Jul 2018 08:03

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:119 Resp: 7770
Ion Ratio Lower Upper
119 100
134 26.2 13.0 38.9
91 30.8 11.8 35.3

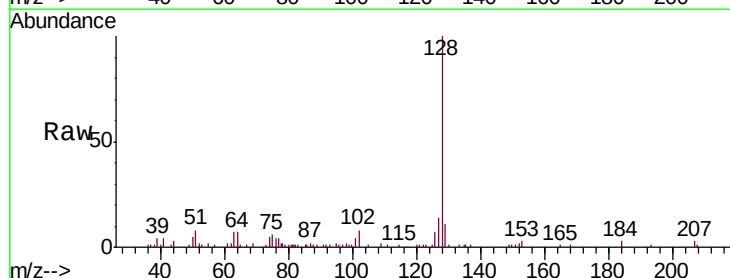


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



#95
Naphthalene
Concen: 6.618 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004259.D
Acq: 27 Jul 2018 08:03

Tgt Ion:128 Resp: 19667
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 11.7 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

