

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071018\
 Data File : VW003862.D
 Acq On : 11 Jul 2018 09:32
 Operator : SY/AP
 Sample : J3828-01
 Misc : 6.29G/5ML/MSVOA W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-071018-A

Quant Time: Jul 11 11:14:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	122013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	211584	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	171498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	59417	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	107834	67.58	ug/l	0.00
Spiked Amount			Recovery	=	135.16%	
35) Dibromofluoromethane	7.88	113	90037	60.80	ug/l	0.00
Spiked Amount			Recovery	=	121.60%	
50) Toluene-d8	10.33	98	290826	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.62	95	76817	37.48	ug/l	0.00
Spiked Amount			Recovery	=	74.96%	

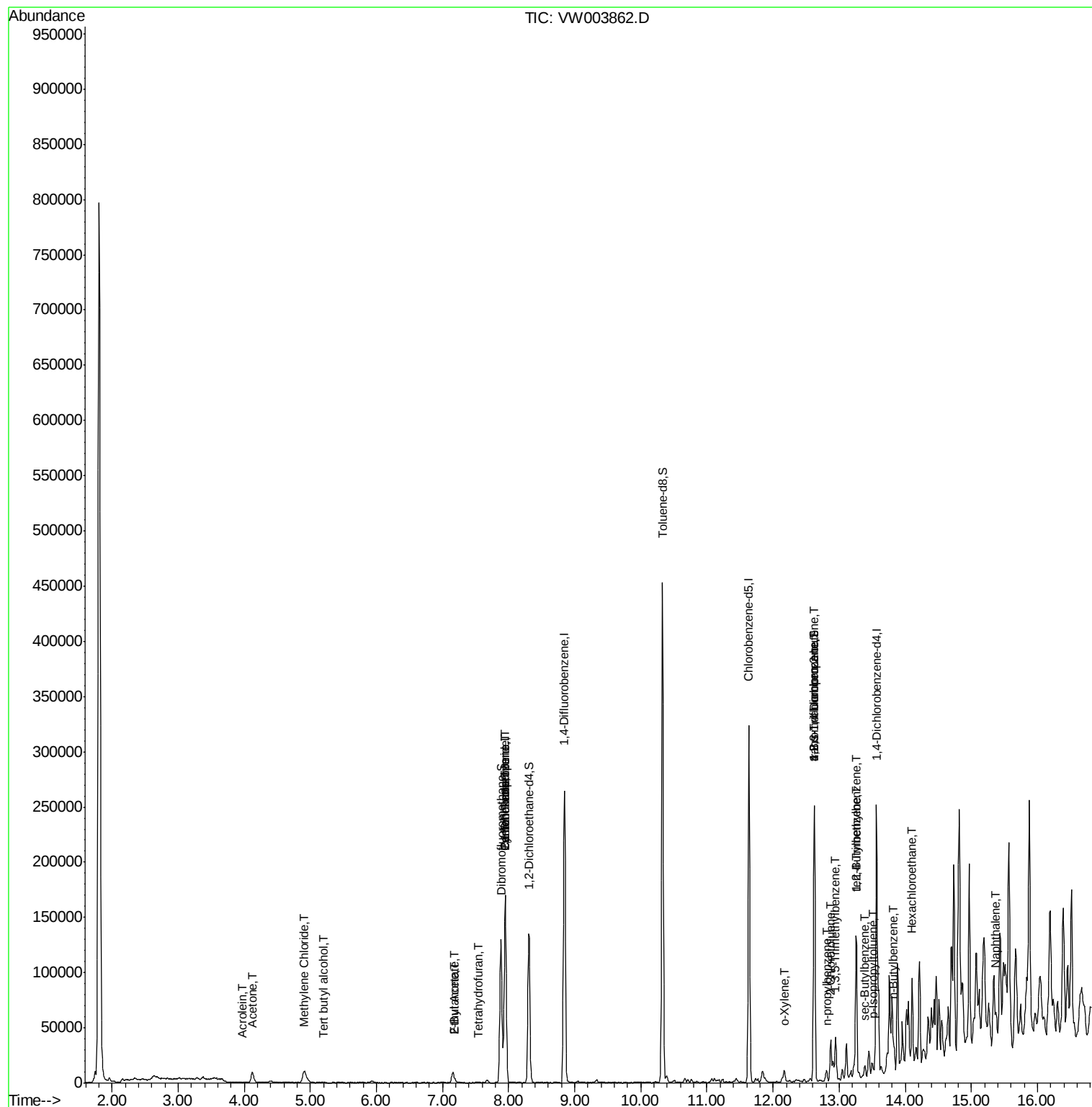
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	457	5.29	ug/l #	70
13) Acrolein	3.96	56	20	4.88	ug/l #	14
16) Acetone	4.12	43	16687	60.28	ug/l	98
20) Methylene Chloride	4.91	84	9192	2.66	ug/l #	90
25) 2-Butanone	7.19	43	2938	6.78	ug/l #	84
29) Tetrahydrofuran	7.54	42	376	1.35	ug/l #	46
31) Cyclohexane	7.95	56	3463	1.49	ug/l #	25
36) 1,1-Dichloropropene	7.95	75	10989	4.89	ug/l #	50
37) Ethyl Acetate	7.19	43	2938	2.69	ug/l #	70
38) Carbon Tetrachloride	7.95	117	12767	5.98	ug/l #	16
69) o-Xylene	12.17	106	2462	1.08	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	41880	71.78	ug/l #	100
78) n-propylbenzene	12.81	91	6925	1.37	ug/l	97
79) 2-Chlorotoluene	12.87	91	4194	1.45	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.95	105	12836	3.70	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.62	75	41880	175.59	ug/l #	8
83) tert-Butylbenzene	13.26	119	9342	3.27	ug/l #	69
84) 1,2,4-Trimethylbenzene	13.26	105	67257	18.67	ug/l	100
85) sec-Butylbenzene	13.39	105	6422	1.50	ug/l	93
86) p-Isopropyltoluene	13.51	119	4172	1.12	ug/l	92
89) n-Butylbenzene	13.83	91	11246	3.06	ug/l #	78
90) Hexachloroethane	14.11	117	4522	6.28	ug/l #	10
95) Naphthalene	15.38	128	13366	6.07	ug/l	94

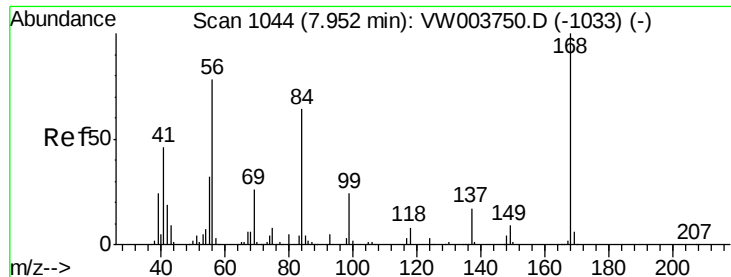
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003862.D

Acq: 11 Jul 2018 09:32

Instrument :

MSVOA_W

ClientSampleId :

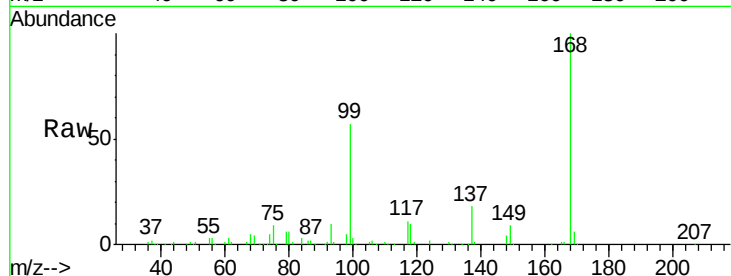
EO-01-071018-A

Tot Ion:168 Resp: 122013

Ion Ratio Lower Upper

168 100

99 57.4 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

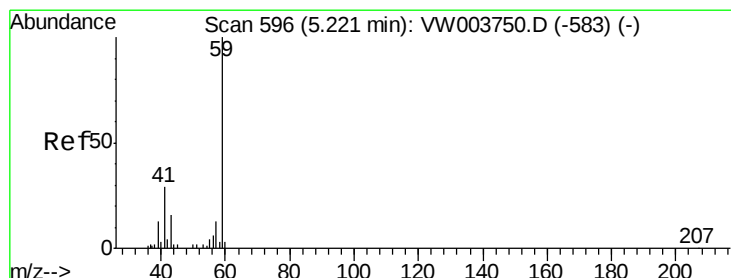
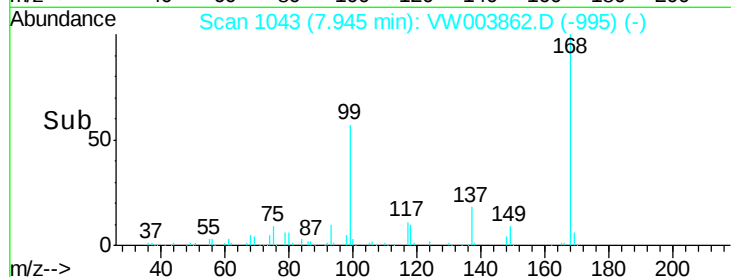
20000

10000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 5.29 ug/l

RT: 5.20 min Scan# 592

Delta R.T. -0.02 min

Lab File: VW003862.D

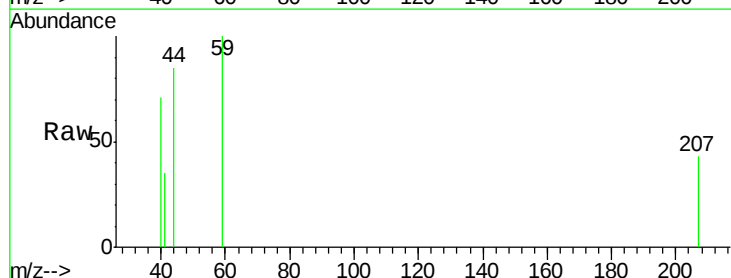
Acq: 11 Jul 2018 09:32

Tgt Ion: 59 Resp: 457

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

250

200

150

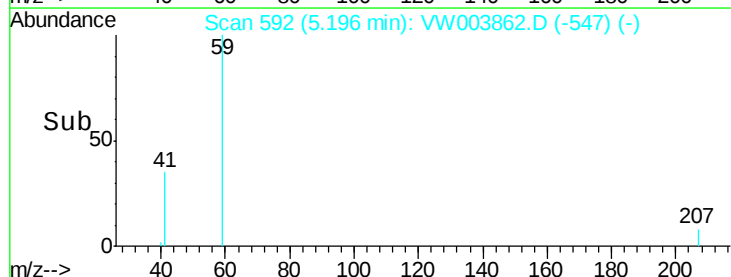
100

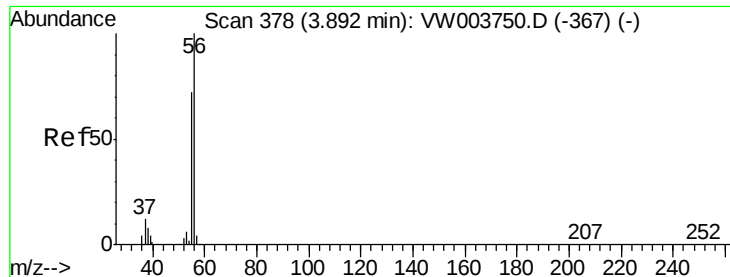
50

0

5.15 5.20 5.25

Time-->





#13

Acrolein

Concen: 4.88 ug/l

RT: 3.96 min Scan# 390

Delta R.T. 0.07 min

Lab File: VW003862.D

Acq: 11 Jul 2018 09:32

Instrument :

MSVOA_W

ClientSampleId :

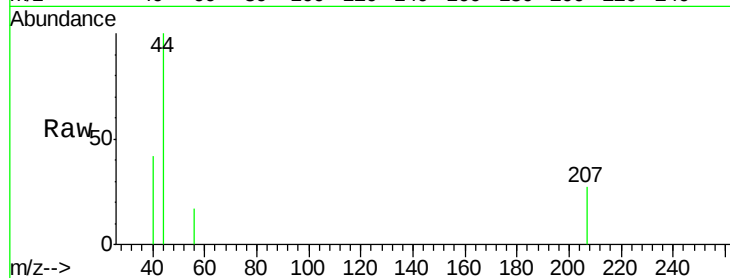
EO-01-071018-A

Tot Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.96

60

50

40

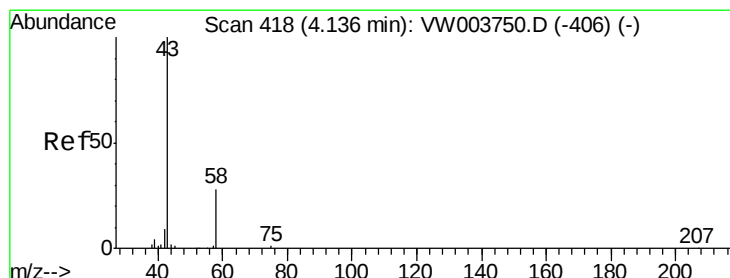
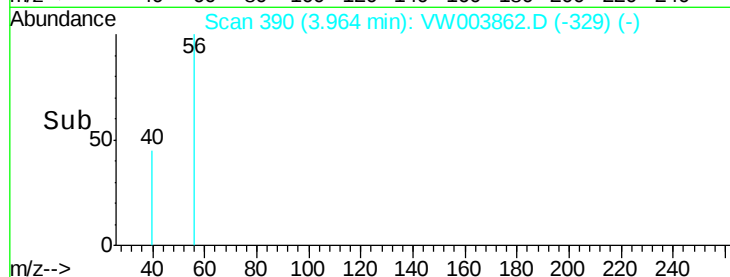
30

20

10

0

Time--> 3.95 3.96 3.97 3.98



#16

Acetone

Concen: 60.28 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW003862.D

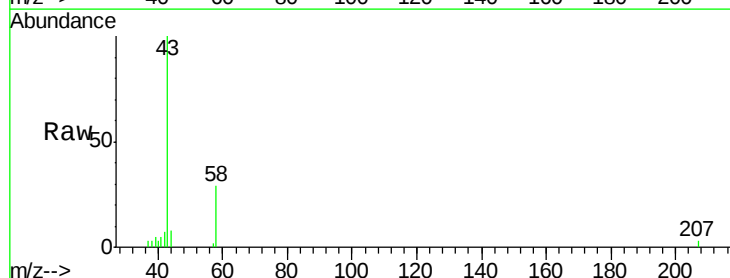
Acq: 11 Jul 2018 09:32

Tgt Ion: 43 Resp: 16687

Ion Ratio Lower Upper

43 100

58 29.4 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

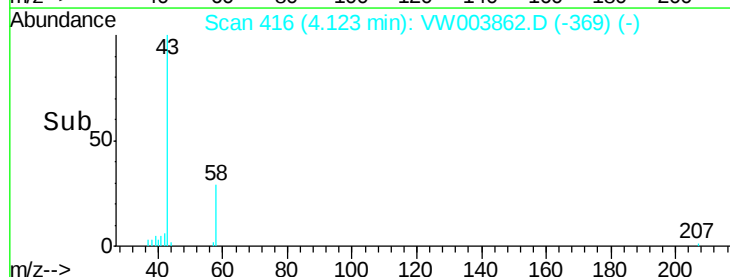
6000

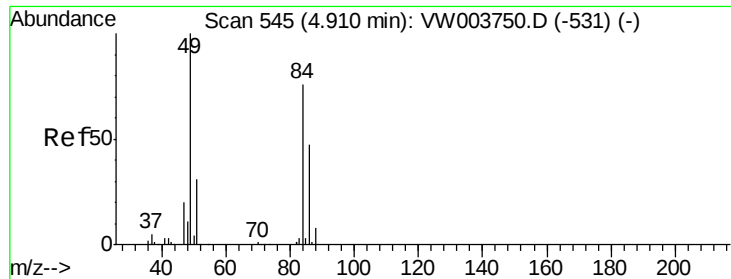
4000

2000

0

Time--> 4.00 4.10 4.20

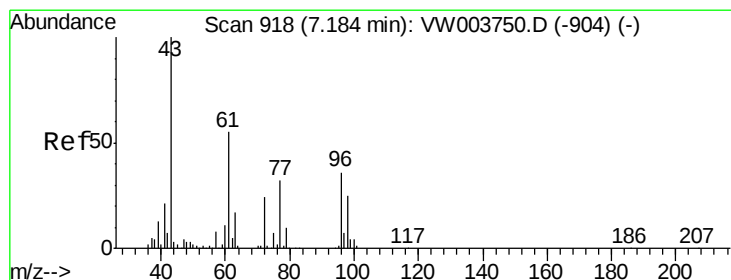
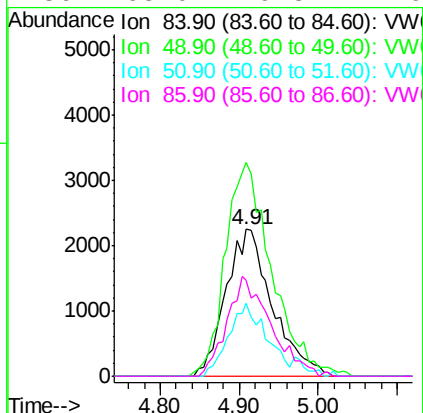
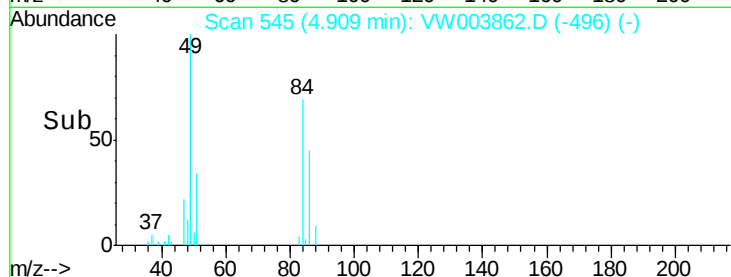
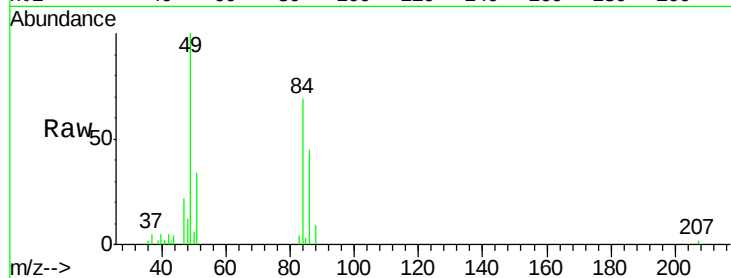




#20
Methvlene Chloride
Concen: 2.66 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003862.D
Acq: 11 Jul 2018 09:32

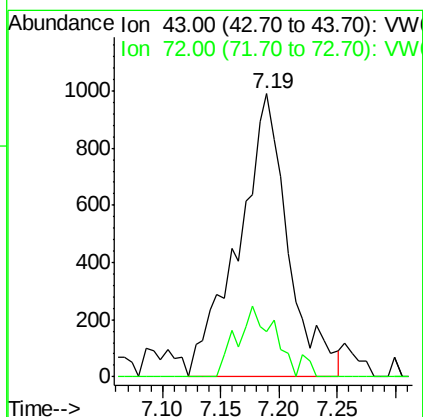
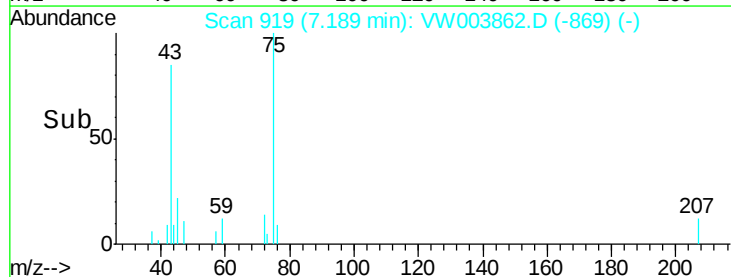
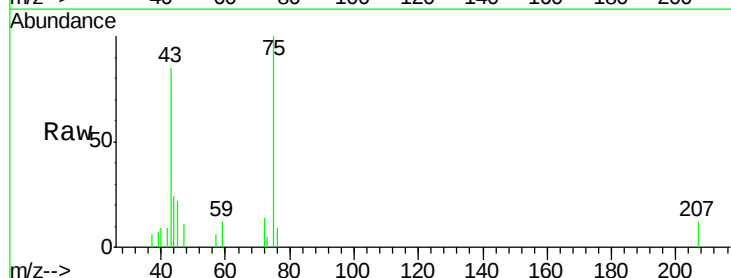
Instrument :
MSVOA_W
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EO-01-071018-A

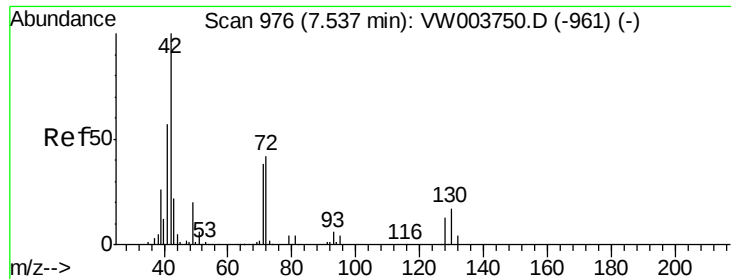
Tot Ion: 84 Resp: 9192
Ion Ratio Lower Upper
84 100
49 145.3 105.1 157.7
51 49.8 32.5 48.7#
86 65.0 49.8 74.6



#25
2-Butanone
Concen: 6.78 ug/l
RT: 7.19 min Scan# 919
Delta R.T. 0.01 min
Lab File: VW003862.D
Acq: 11 Jul 2018 09:32

Tgt Ion: 43 Resp: 2938
Ion Ratio Lower Upper
43 100
72 16.2 19.4 29.2#

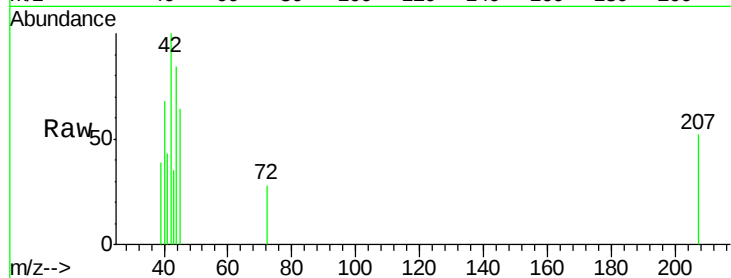




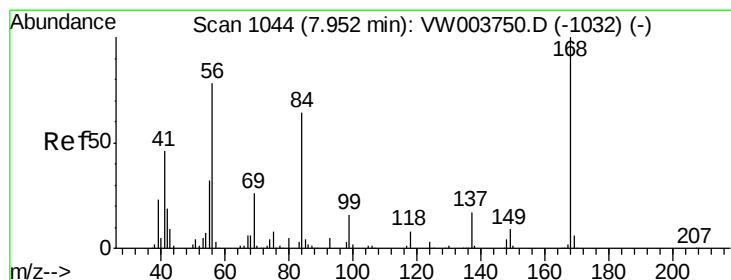
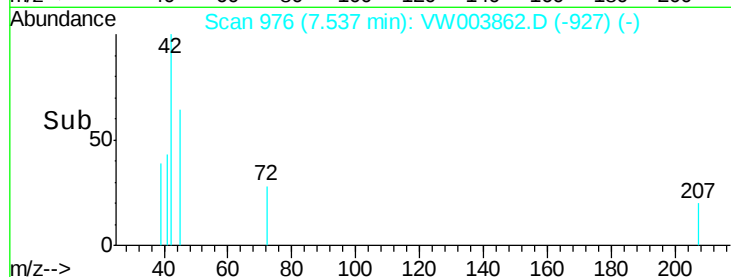
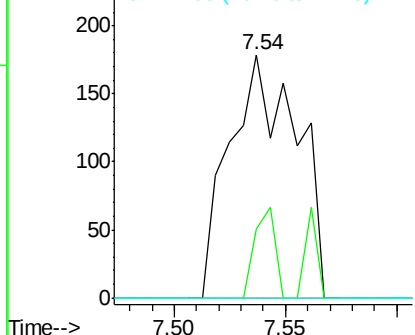
#29
Tetrahydrofuran
Concen: 1.35 ug/l
RT: 7.54 min Scan# 976
Delta R.T. -0.00 min
Lab File: VW003862.D
Acq: 11 Jul 2018 09:32

Instrument :
MSVOA_W
ClientSampleId :
EO-01-071018-A

Tot Ion: 42 Resp: 376
Ion Ratio Lower Upper
42 100
72 11.4 31.8 47.8#
71 0.0 30.3 45.5#

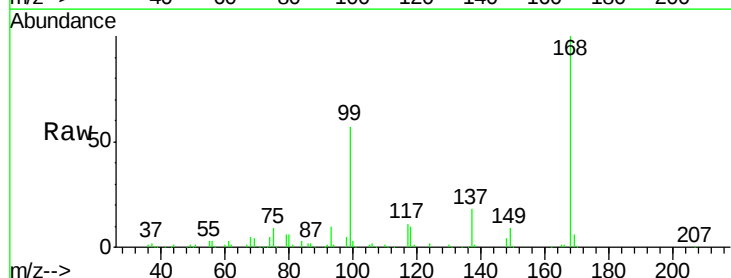


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

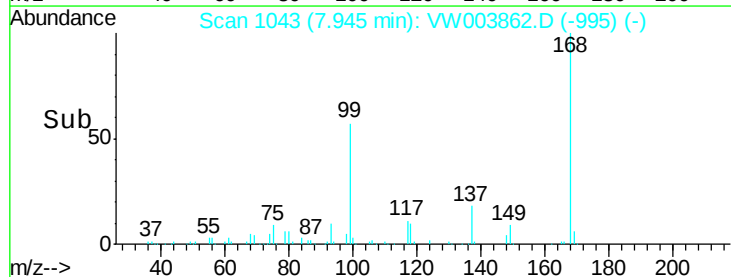
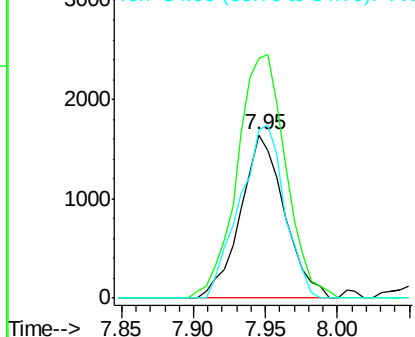


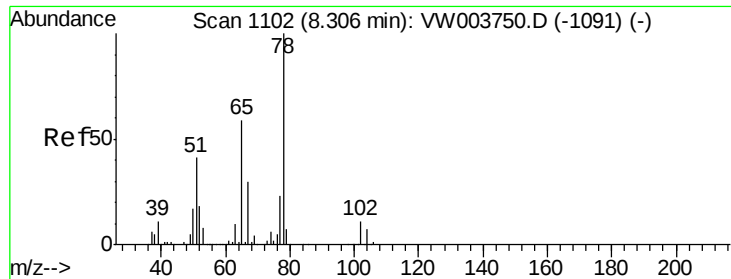
#31
Cyclohexane
Concen: 1.49 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003862.D
Acq: 11 Jul 2018 09:32

Tgt Ion: 56 Resp: 3463
Ion Ratio Lower Upper
56 100
69 146.6 26.2 39.4#
84 103.2 65.5 98.3#



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

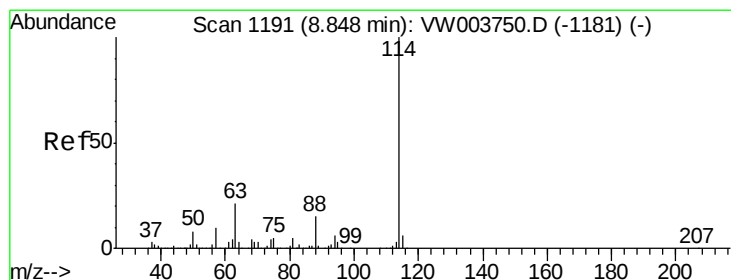
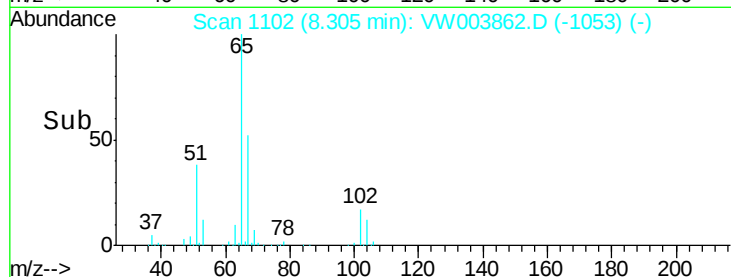
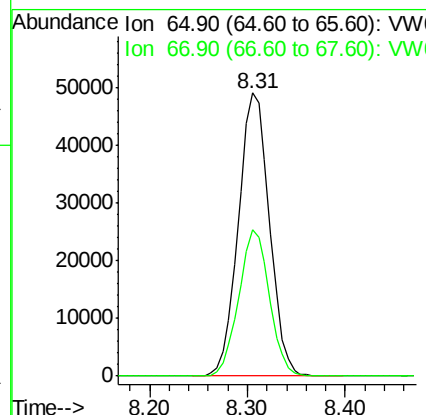
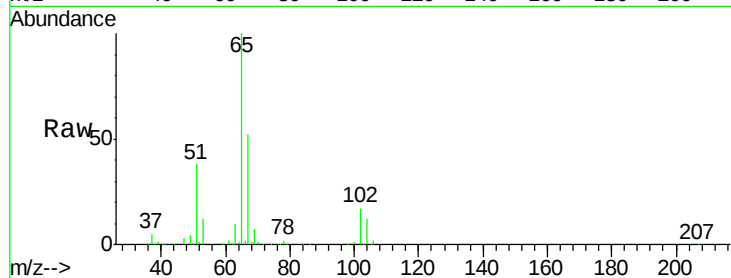




#33
 1,2-Dichloroethane-d4
 Concen: 67.58 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003862.D
 Acq: 11 Jul 2018 09:32

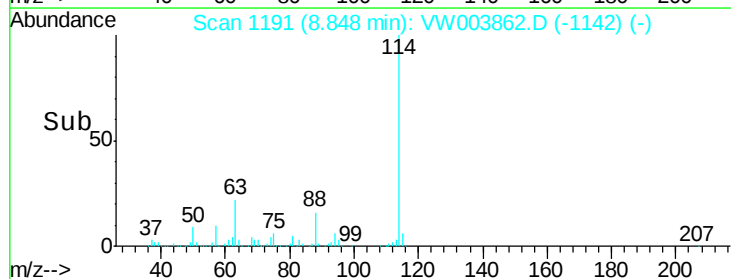
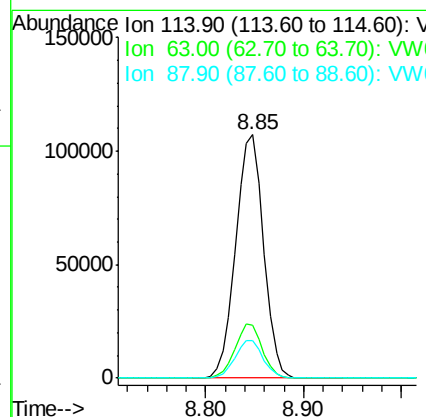
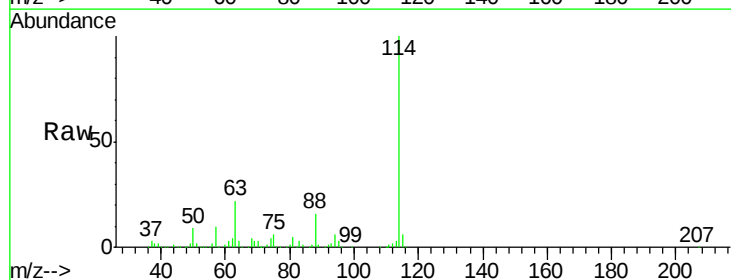
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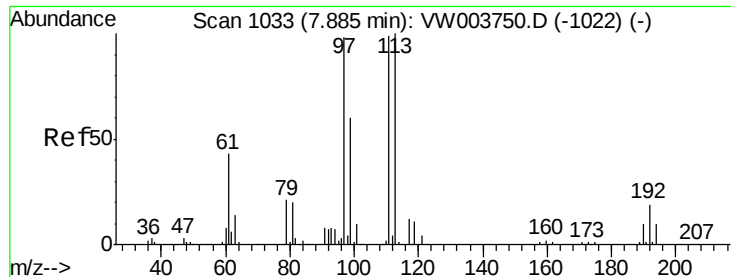
Tot Ion: 65 Resp: 107834
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003862.D
 Acq: 11 Jul 2018 09:32

Tgt Ion: 114 Resp: 211584
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 41.8
 88 15.6 0.0 30.2

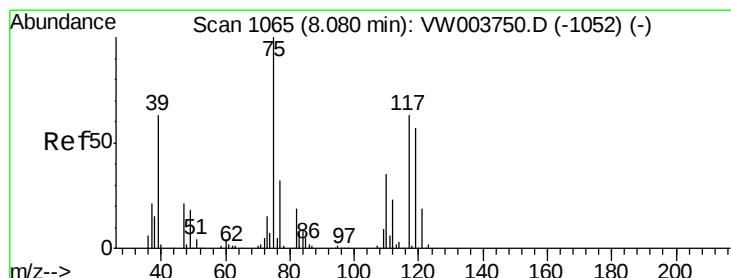
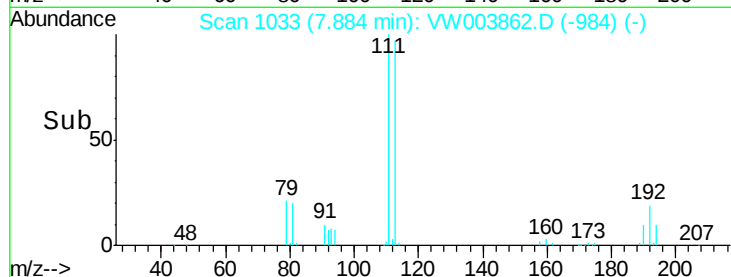
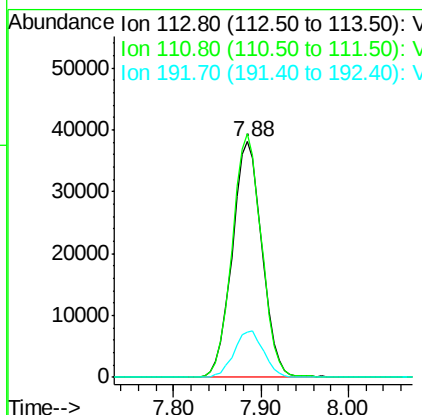
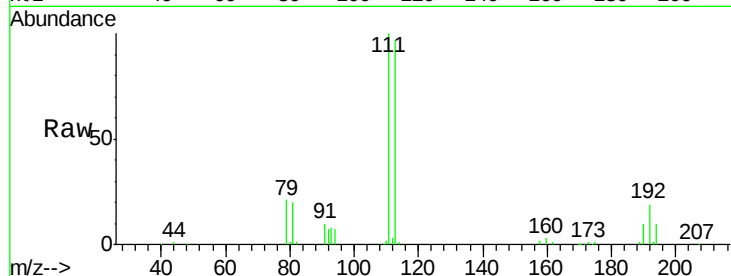




#35
 Dibromofluoromethane
 Concen: 60.80 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003862.D
 Acq: 11 Jul 2018 09:32

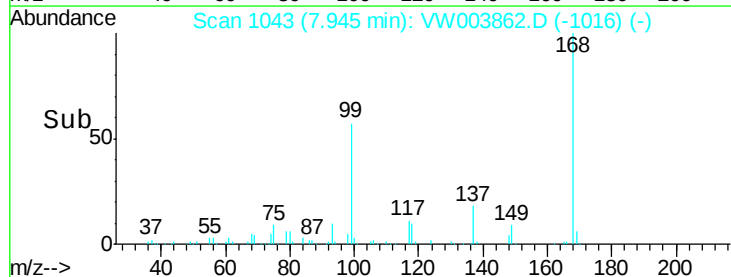
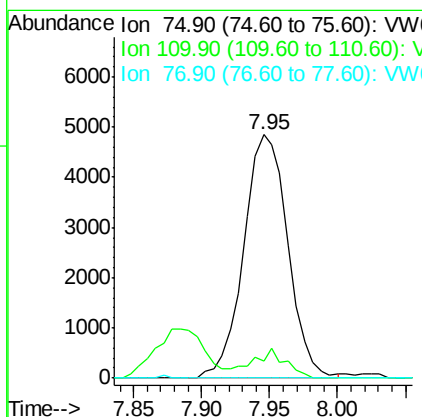
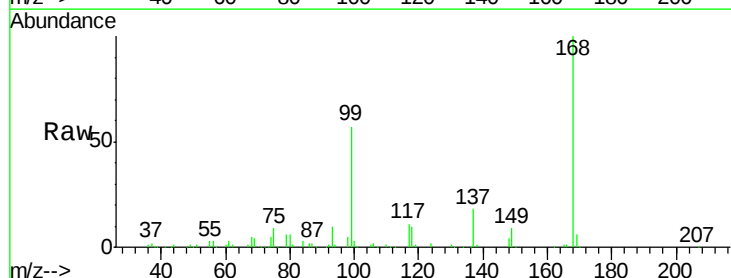
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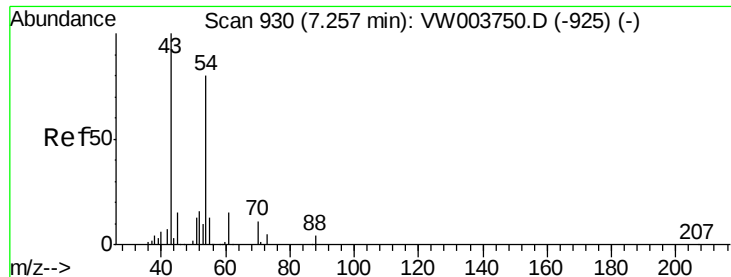
Tot Ion:113 Resp: 90037
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.7 122.5
 192 19.7 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.89 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003862.D
 Acq: 11 Jul 2018 09:32

Tgt Ion: 75 Resp: 10989
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.9 50.6#
 77 0.0 24.8 37.2#

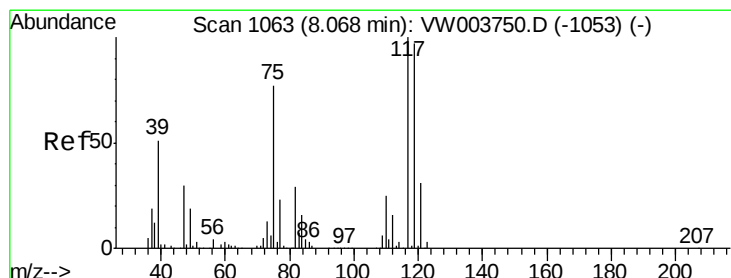
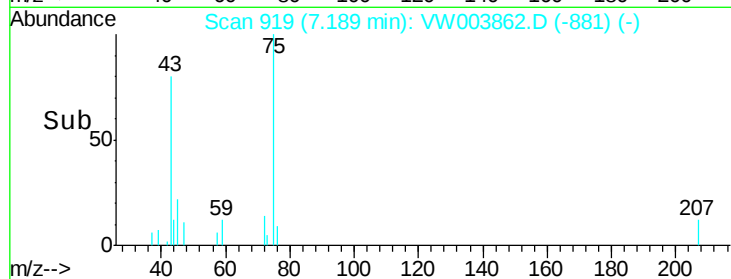
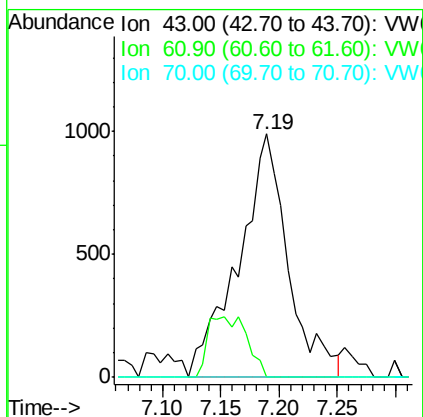
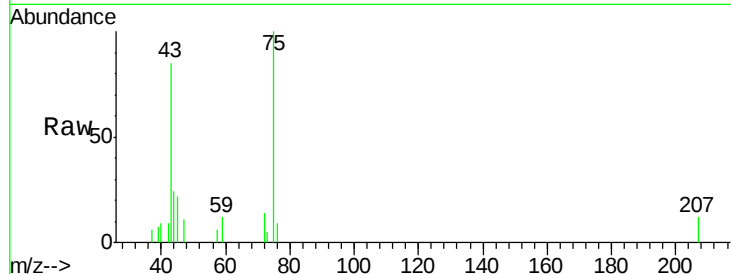




#37
Ethyl Acetate
Concen: 2.69 ug/l
RT: 7.19 min Scan# 919
Delta R.T. -0.07 min
Lab File: VW003862.D
Acq: 11 Jul 2018 09:32

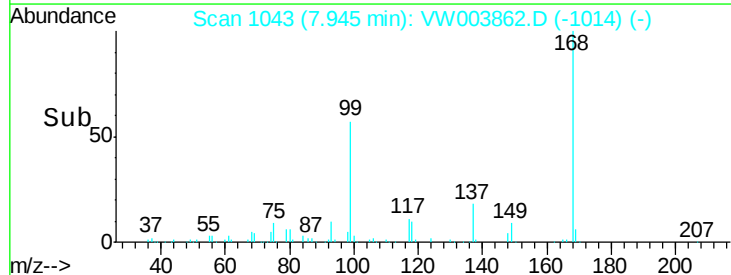
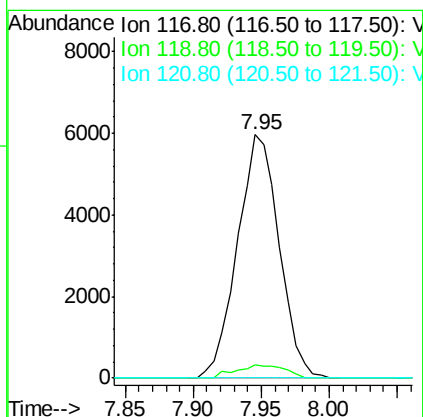
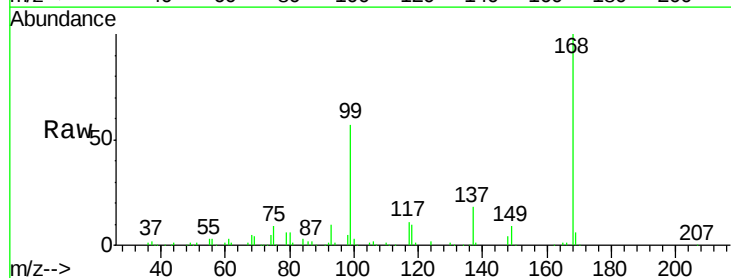
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ClientSampleId :
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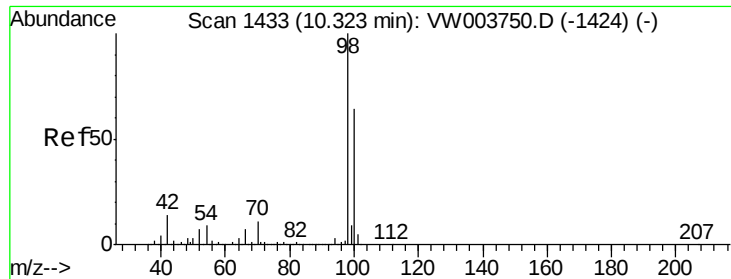
Tot Ion: 43 Resp: 2938
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 5.98 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW003862.D
Acq: 11 Jul 2018 09:32

Tgt Ion: 117 Resp: 12767
Ion Ratio Lower Upper
117 100
119 5.5 77.4 116.2#
121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 51.34 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003862.D

Acq: 11 Jul 2018 09:32

Instrument :

MSVOA_W

ClientSampleId :

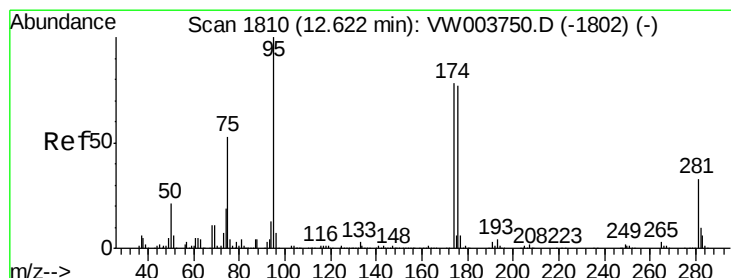
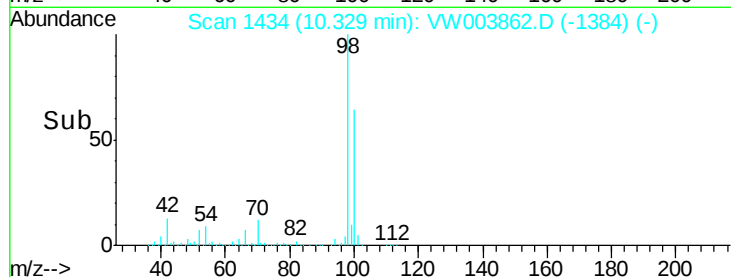
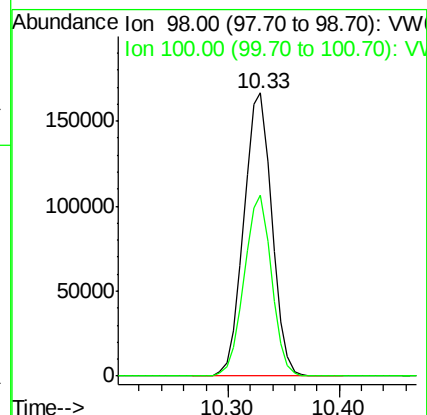
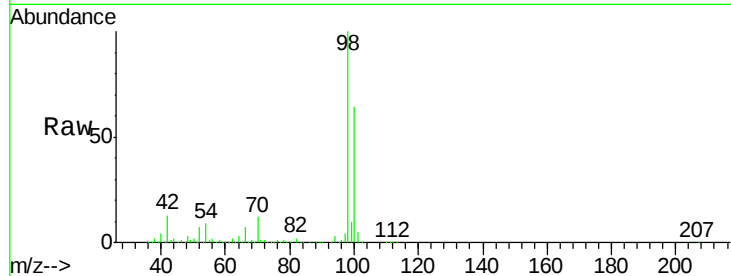
EO-01-071018-A

Tot Ion: 98 Resp: 290826

Ion Ratio Lower Upper

98 100

100 62.2 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 37.48 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003862.D

Acq: 11 Jul 2018 09:32

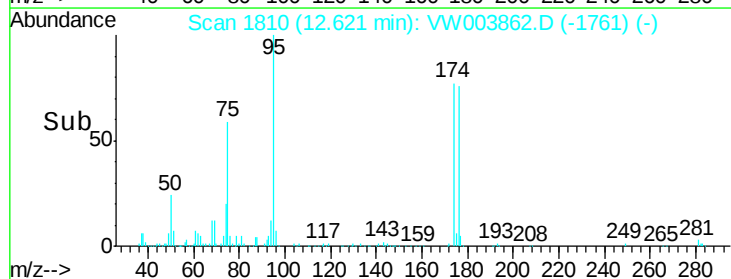
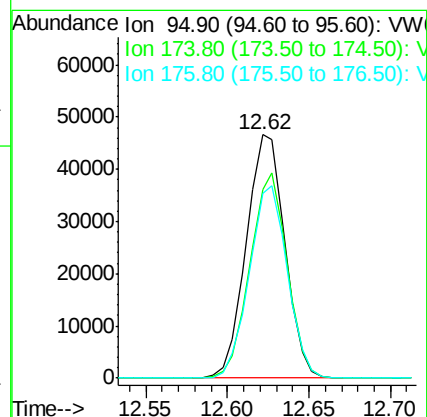
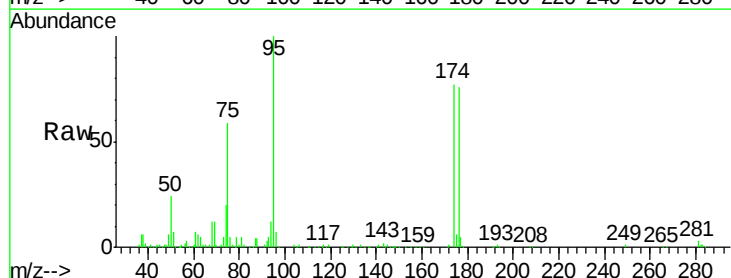
Tgt Ion: 95 Resp: 76817

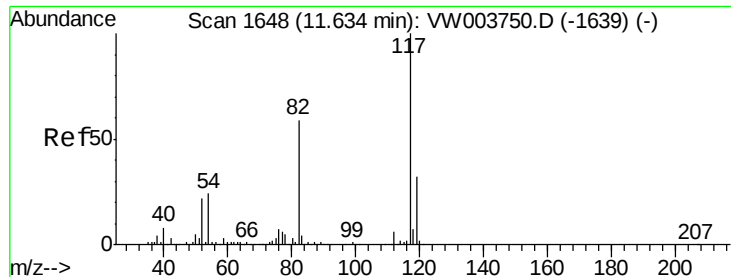
Ion Ratio Lower Upper

95 100

174 81.2 0.0 163.4

176 78.0 0.0 156.8

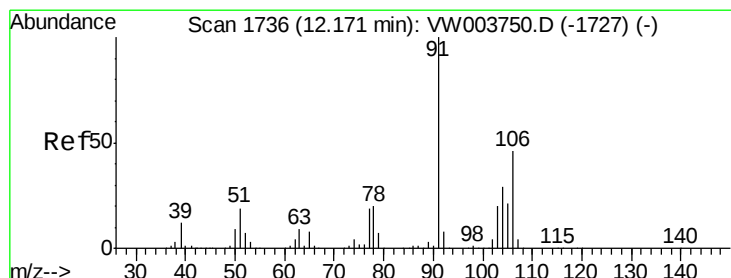
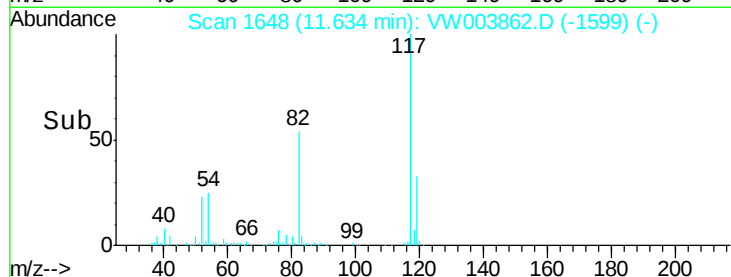
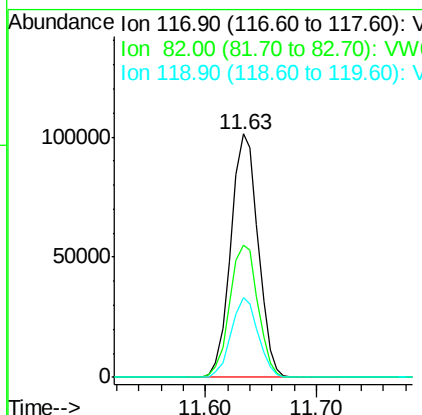
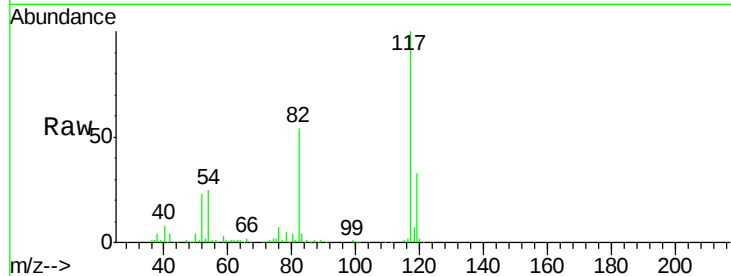




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003862.D
Acq: 11 Jul 2018 09:32

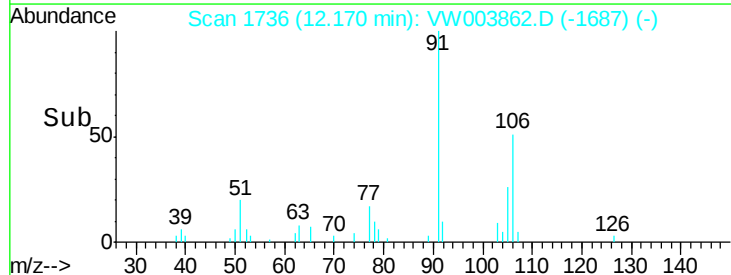
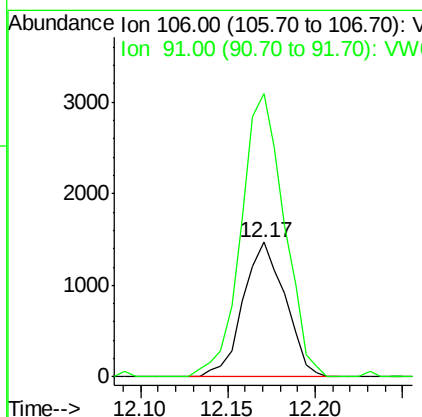
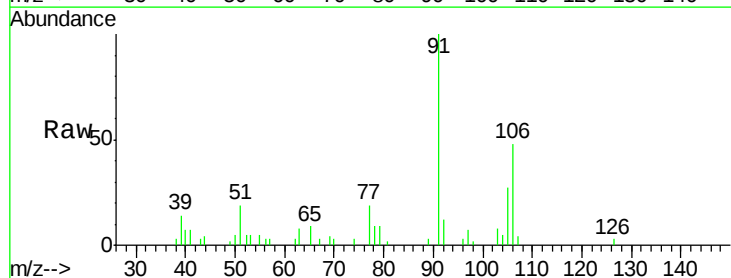
Instrument :
MSVOA_W
ClientSampleId :
EO-01-071018-A

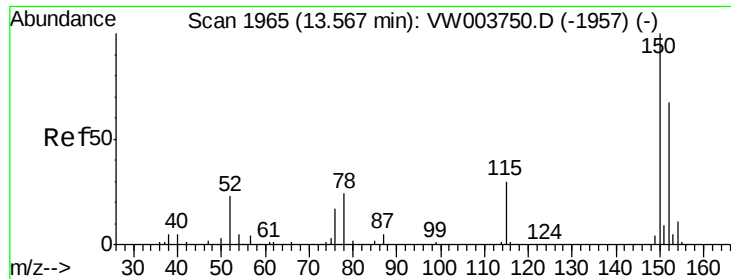
Tot Ion:117 Resp: 171498
Ion Ratio Lower Upper
117 100
82 54.4 46.9 70.3
119 32.6 25.5 38.3



#69
o-Xylene
Concen: 1.08 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003862.D
Acq: 11 Jul 2018 09:32

Tgt Ion:106 Resp: 2462
Ion Ratio Lower Upper
106 100
91 215.2 109.1 327.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003862.D

Acq: 11 Jul 2018 09:32

Instrument :

MSVOA_W

ClientSampleId :

EO-01-071018-A

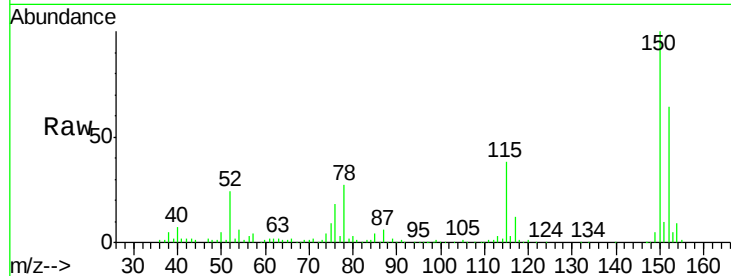
Tot Ion:152 Resp: 59417

Ion Ratio Lower Upper

152 100

115 63.2 28.9 86.8

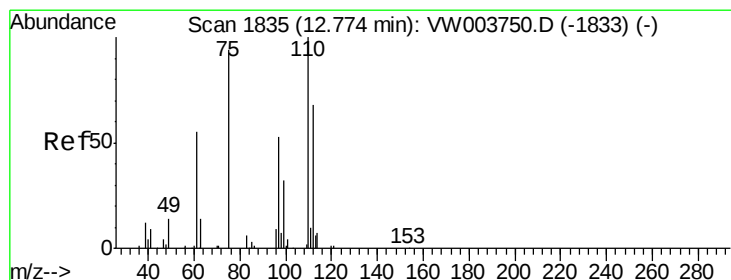
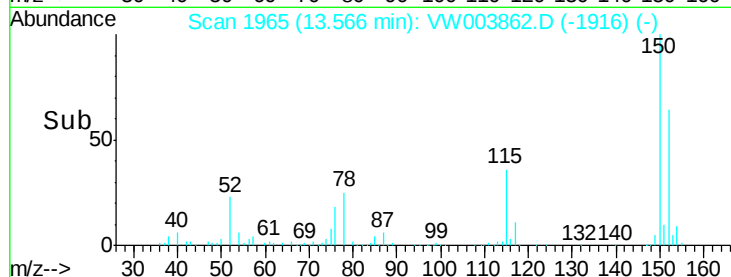
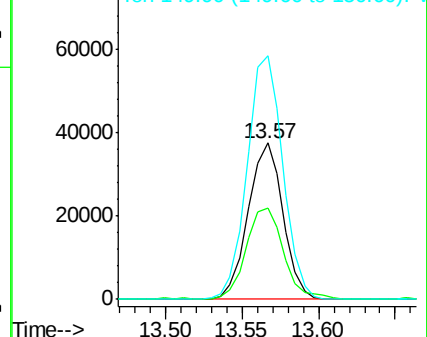
150 158.9 0.0 342.4



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



#76

1,2,3-Trichloropropane

Concen: 71.78 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003862.D

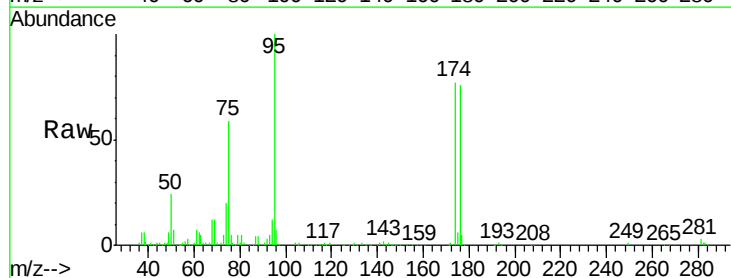
Acq: 11 Jul 2018 09:32

Tgt Ion: 75 Resp: 41880

Ion Ratio Lower Upper

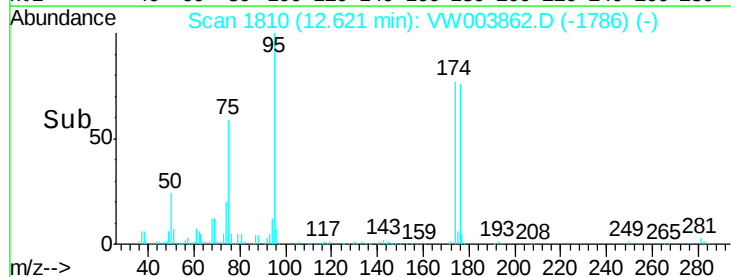
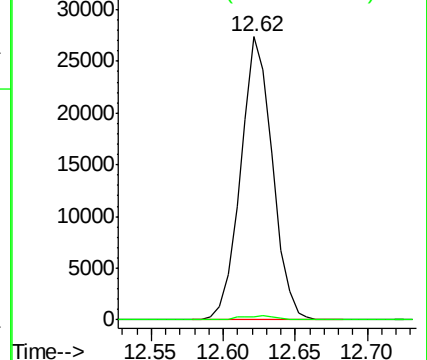
75 100

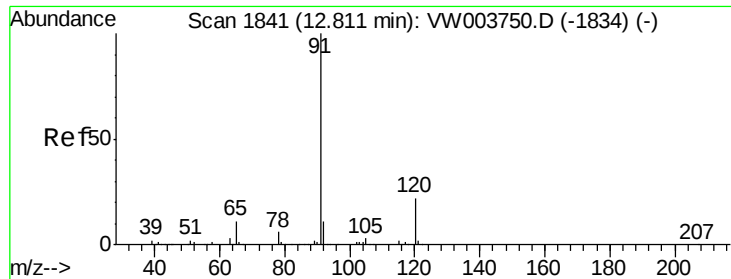
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

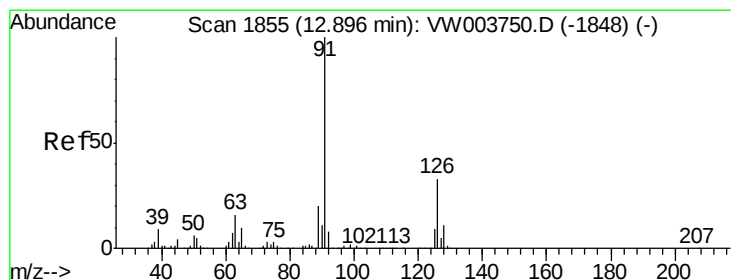
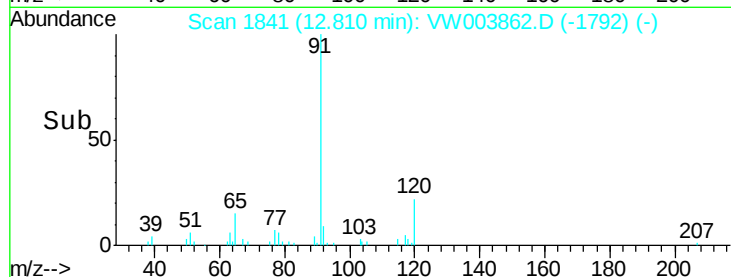
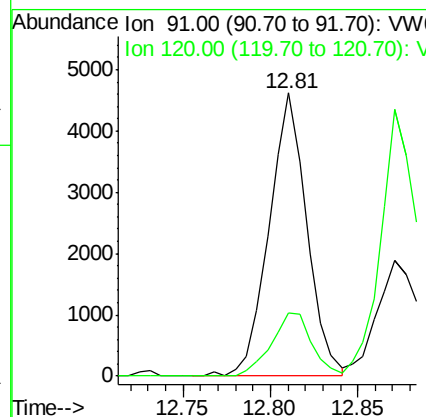
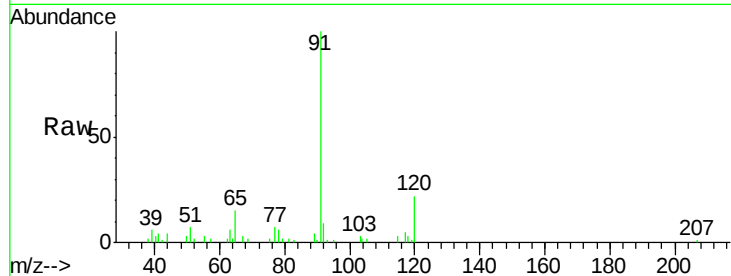




#78
n-propylbenzene
Concen: 1.37 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VW003862.D
Acq: 11 Jul 2018 09:32

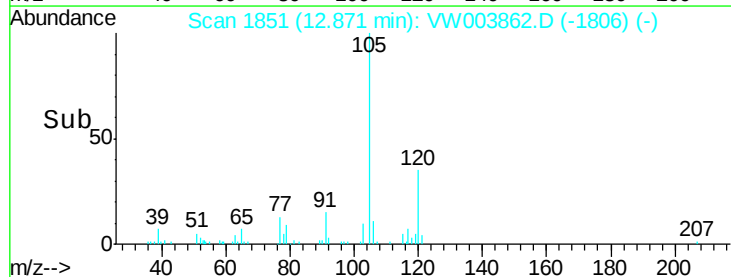
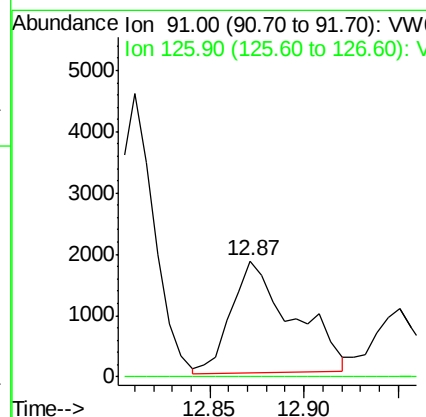
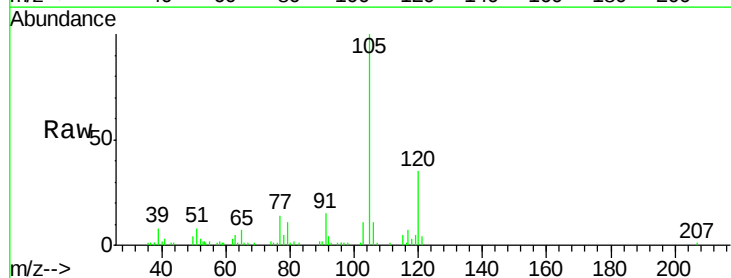
Instrument :
MSVOA_W
ClientSampleId :
EO-01-071018-A

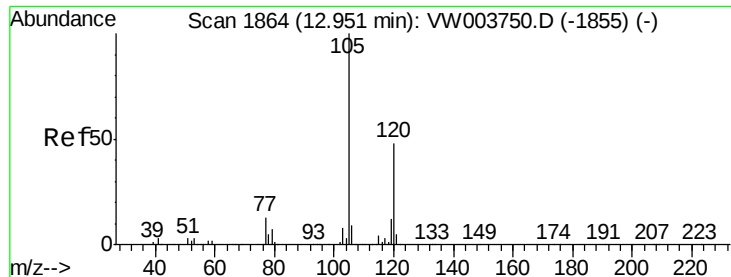
Tot Ion: 91 Resp: 6925
Ion Ratio Lower Upper
91 100
120 24.0 11.2 33.6



#79
2-Chlorotoluene
Concen: 1.45 ug/l
RT: 12.87 min Scan# 1851
Delta R.T. -0.02 min
Lab File: VW003862.D
Acq: 11 Jul 2018 09:32

Tgt Ion: 91 Resp: 4194
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#

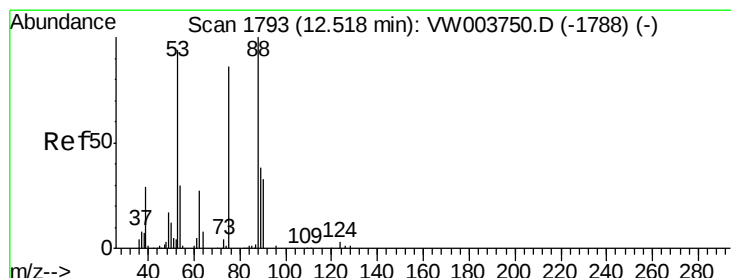
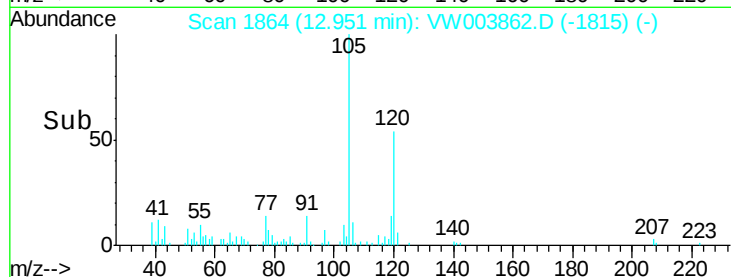
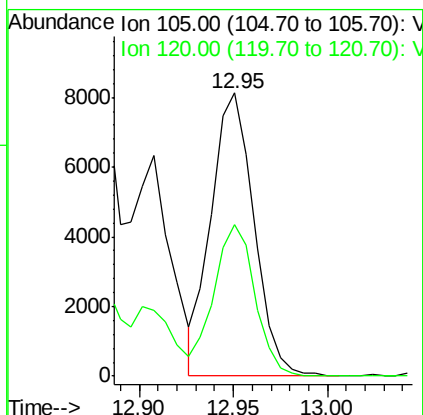
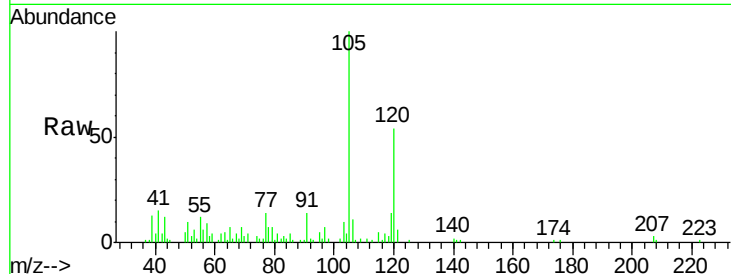




#80
 1,3,5-Trimethylbenzene
 Concen: 3.70 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VW003862.D
 Acq: 11 Jul 2018 09:32

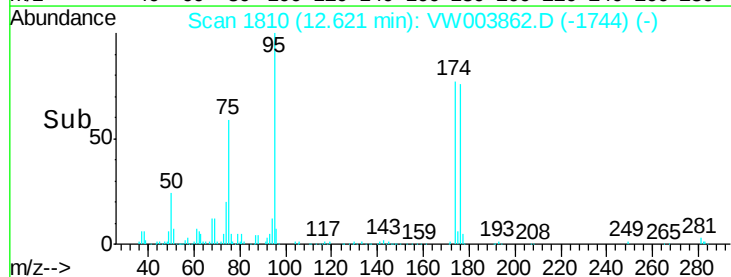
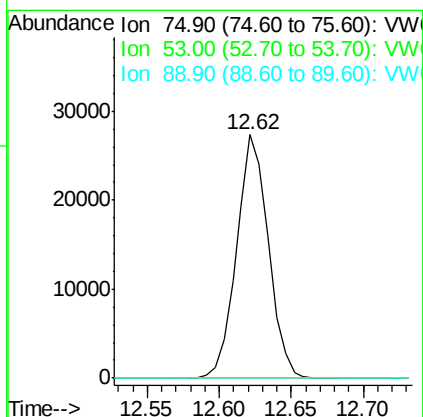
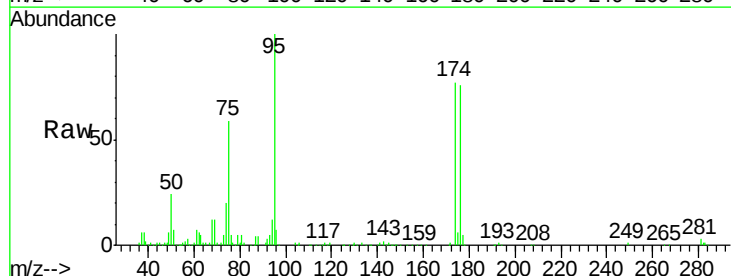
Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-071018-A

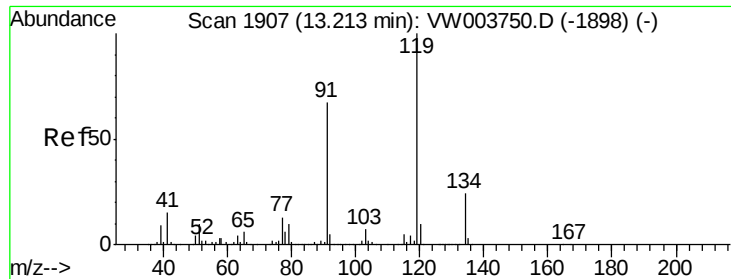
Tot Ion:105 Resp: 12836
 Ion Ratio Lower Upper
 105 100
 120 51.3 24.2 72.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 175.59 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003862.D
 Acq: 11 Jul 2018 09:32

Tgt Ion: 75 Resp: 41880
 Ion Ratio Lower Upper
 75 100
 53 0.4 85.0 127.6#
 89 0.0 36.3 54.5#

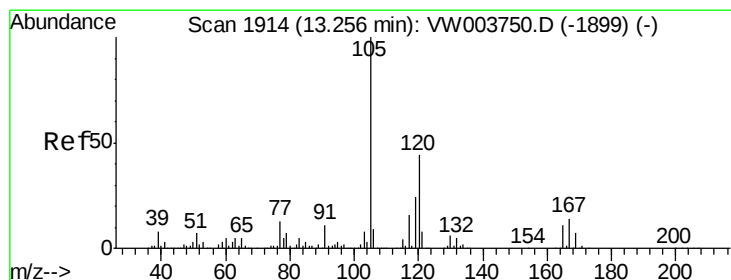
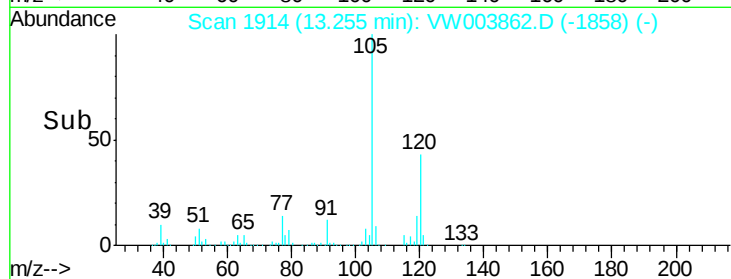
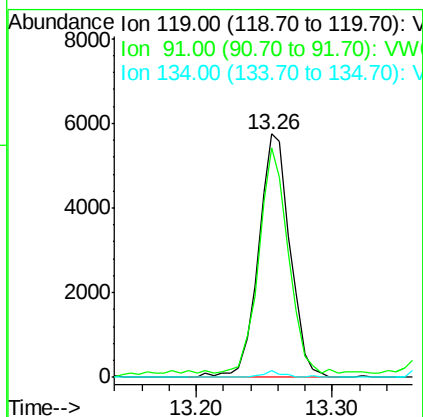
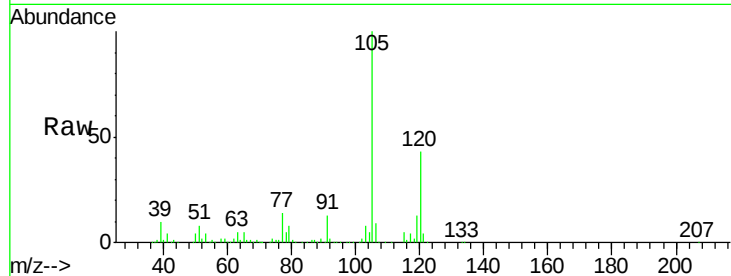




#83
tert-Butylbenzene
Concen: 3.27 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.04 min
Lab File: VW003862.D
Acq: 11 Jul 2018 09:32

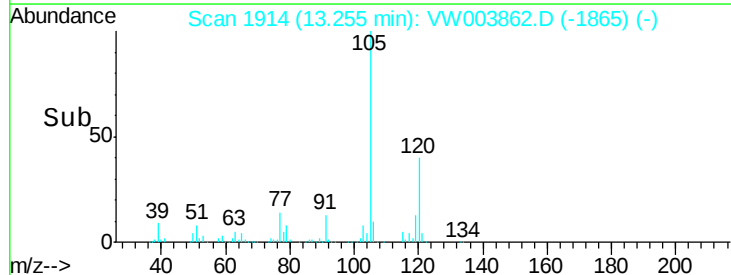
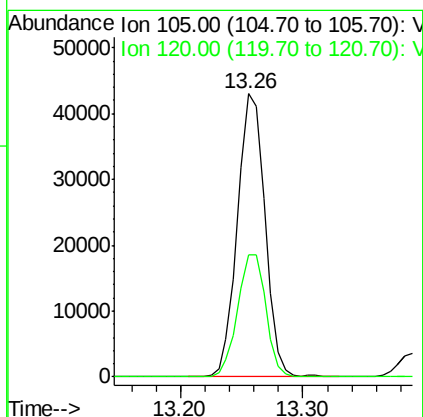
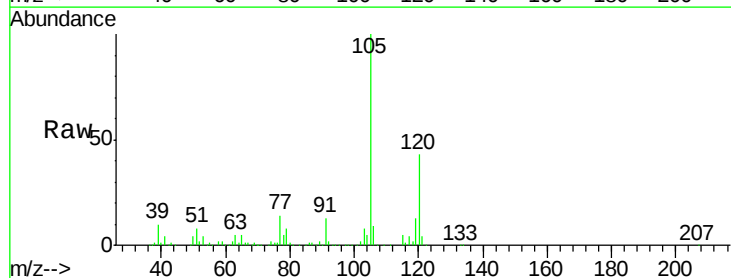
Instrument :
MSVOA_W
ClientSampleId :
EO-01-071018-A

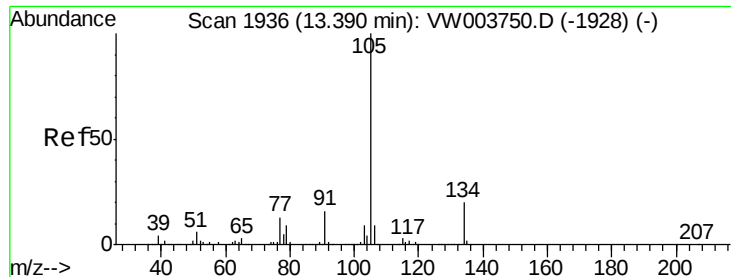
Tot Ion:119 Resp: 9342
Ion Ratio Lower Upper
119 100
91 85.6 33.0 98.9
134 1.7 12.8 38.4#



#84
1,2,4-Trimethylbenzene
Concen: 18.67 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW003862.D
Acq: 11 Jul 2018 09:32

Tgt Ion:105 Resp: 67257
Ion Ratio Lower Upper
105 100
120 44.2 22.0 66.0





#85

sec-Butylbenzene

Concen: 1.50 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VW003862.D

Acq: 11 Jul 2018 09:32

Instrument :

MSVOA_W

ClientSampleId :

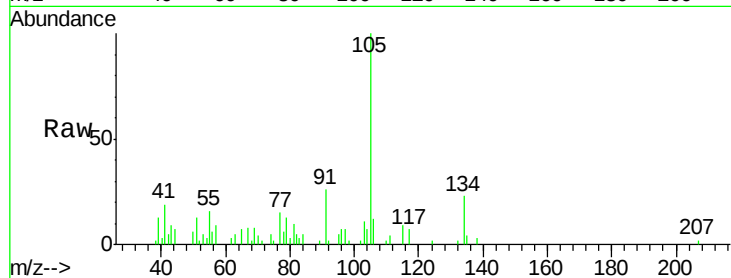
EO-01-071018-A

Tot Ion:105 Resp: 6422

Ion Ratio Lower Upper

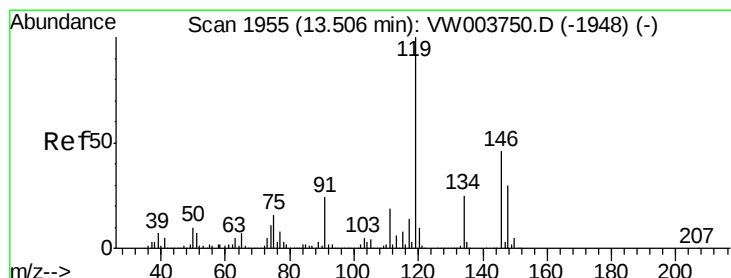
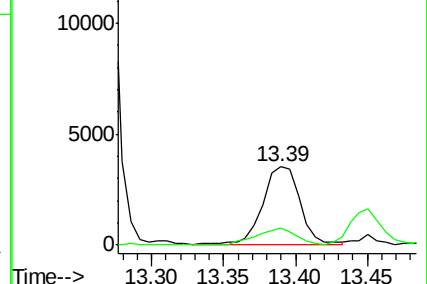
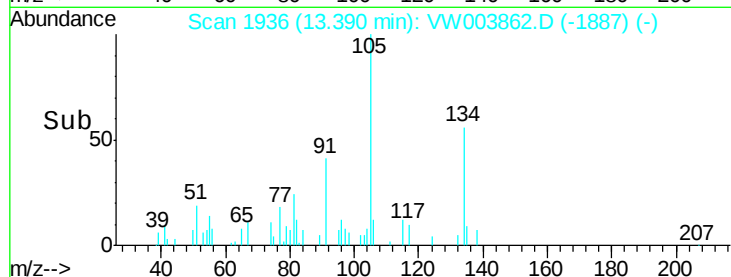
105 100

134 23.0 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.12 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW003862.D

Acq: 11 Jul 2018 09:32

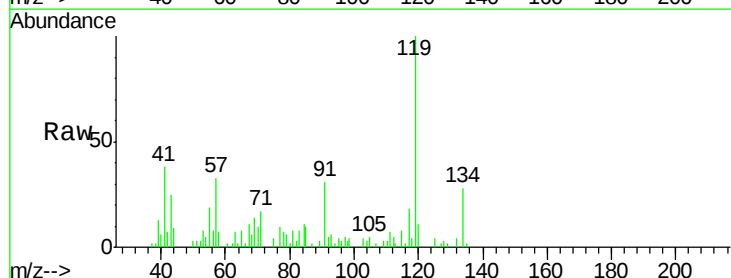
Tgt Ion:119 Resp: 4172

Ion Ratio Lower Upper

119 100

134 28.1 13.1 39.1

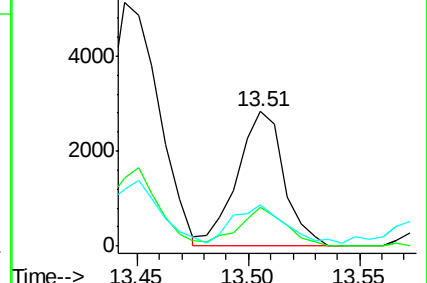
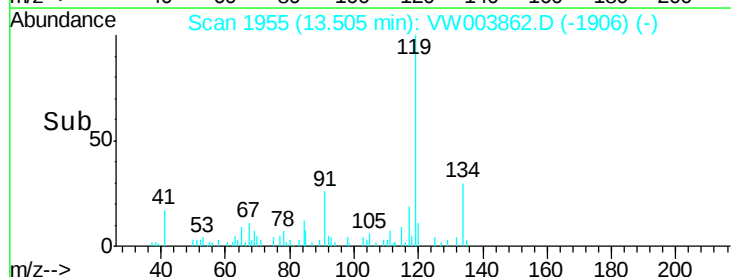
91 29.7 11.9 35.9

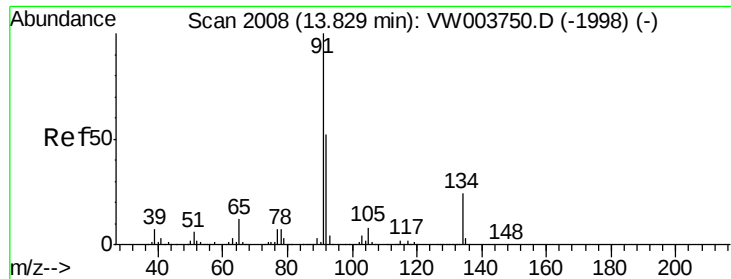


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

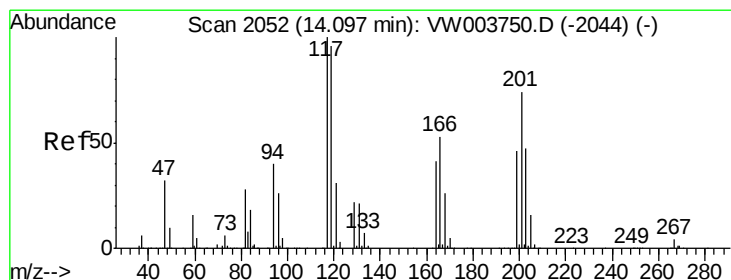
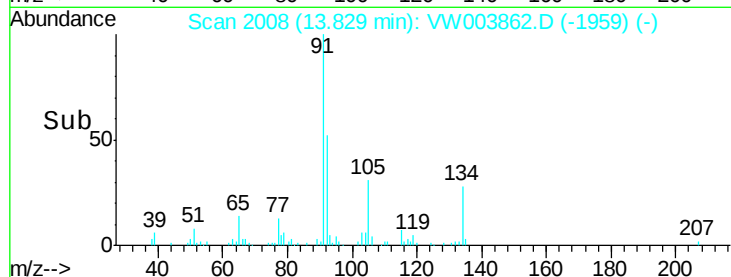
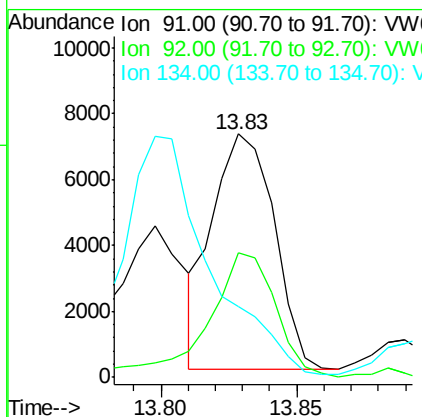
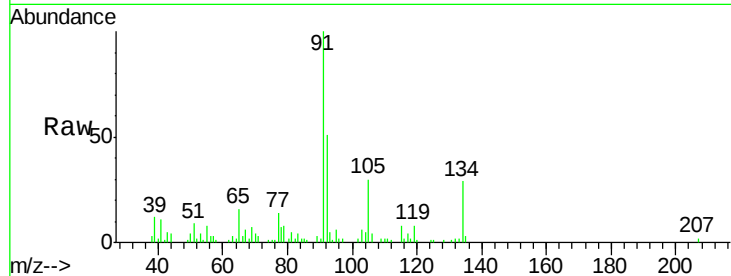




#89
n-Butylbenzene
Concen: 3.06 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VW003862.D
Acq: 11 Jul 2018 09:32

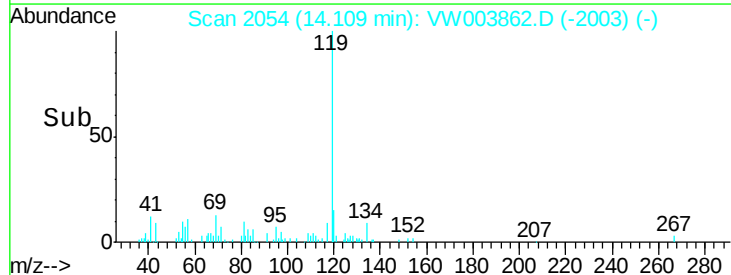
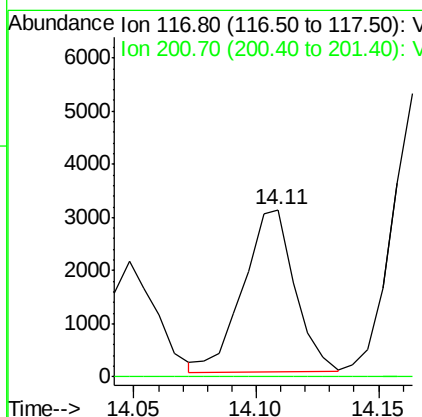
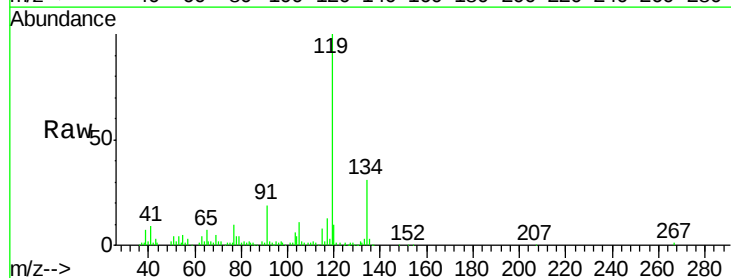
Instrument :
MSVOA_W
ClientSampleId :
EO-01-071018-A

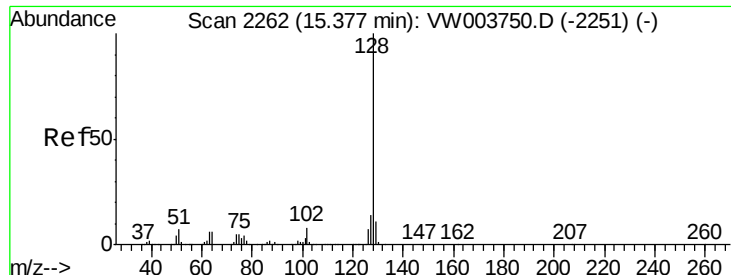
Tot Ion: 91 Resp: 11246
Ion Ratio Lower Upper
91 100
92 58.2 26.1 78.3
134 0.0 12.4 37.4#



#90
Hexachloroethane
Concen: 6.28 ug/l
RT: 14.11 min Scan# 2054
Delta R.T. 0.01 min
Lab File: VW003862.D
Acq: 11 Jul 2018 09:32

Tgt Ion: 117 Resp: 4522
Ion Ratio Lower Upper
117 100
201 0.0 39.2 117.6#





#95

Naphthalene

Concen: 6.07 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW003862.D

Acq: 11 Jul 2018 09:32

Instrument :

MSVOA_W

ClientSampleId :

EO-01-071018-A

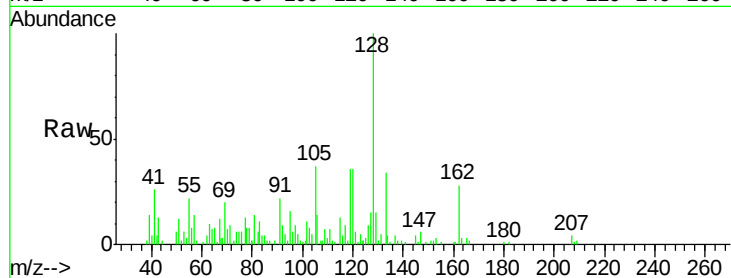
Tot Ion:128 Resp: 13366

Ion Ratio Lower Upper

128 100

127 10.8 10.8 16.2

129 8.7 8.6 13.0



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

