

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011619\
 Data File : VW008310.D
 Acq On : 16 Jan 2019 16:02
 Operator : SY/VA
 Sample : K1012-07
 Misc : 4.63G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-011519-A

Quant Time: Jan 17 06:10:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	104227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	180902	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	154961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	56172	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	58927	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
35) Dibromofluoromethane	7.88	113	56723	53.76	ug/l	0.00
Spiked Amount			Recovery	=	107.52%	
50) Toluene-d8	10.32	98	224850	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.62	95	66810	42.09	ug/l	0.00
Spiked Amount			Recovery	=	84.18%	

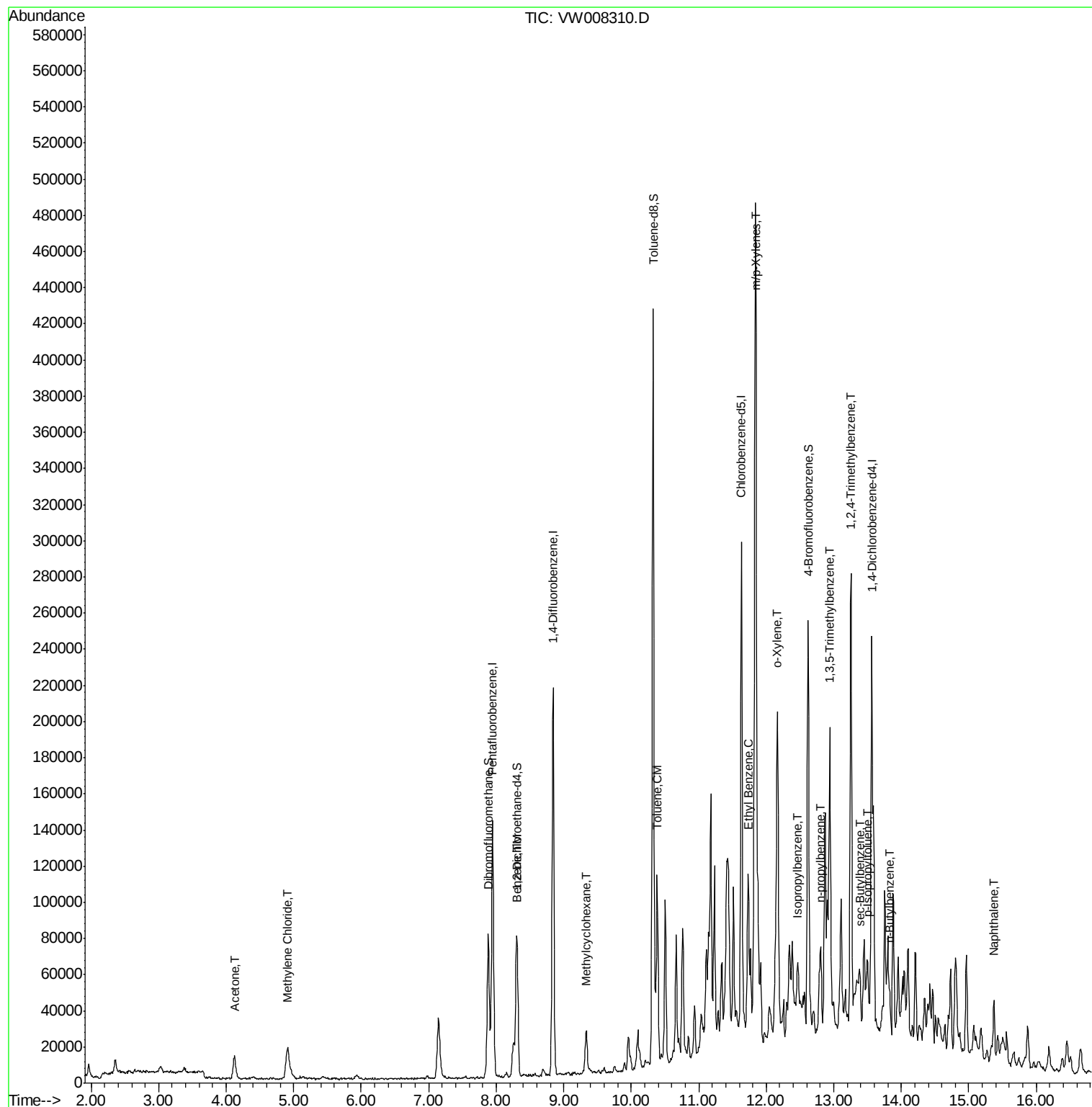
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	22524	93.752	ug/l	94
20) Methylene Chloride	4.92	84	15457	9.508	ug/l	88
39) Methylcyclohexane	9.34	83	8970	3.796	ug/l	89
40) Benzene	8.32	78	7072	1.399	ug/l	99
52) Toluene	10.38	92	45257	14.021	ug/l	98
67) Ethyl Benzene	11.73	91	50907	8.475	ug/l	92
68) m/p-Xylenes	11.84	106	94067	41.028	ug/l	100
69) o-Xylene	12.16	106	45161	21.270	ug/l	95
73) Isopropylbenzene	12.46	105	18255	4.139	ug/l	96
78) n-propylbenzene	12.80	91	33973	6.287	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	43034	11.875	ug/l	94
84) 1,2,4-Trimethylbenzene	13.26	105	136193	36.438	ug/l	96
85) sec-Butylbenzene	13.39	105	13309	2.834	ug/l #	75
86) p-Isopropyltoluene	13.51	119	11786	2.906	ug/l	100
89) n-Butylbenzene	13.83	91	18834	4.742	ug/l #	69
95) Naphthalene	15.37	128	29242	14.199	ug/l	98

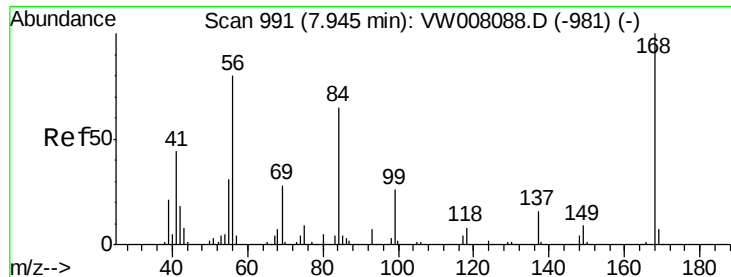
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011619\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008310.D

Acq: 16 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

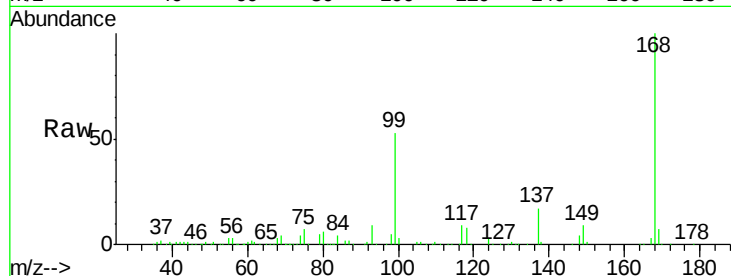
EO-01-011519-A

Tot Ion:168 Resp: 104227

Ion Ratio Lower Upper

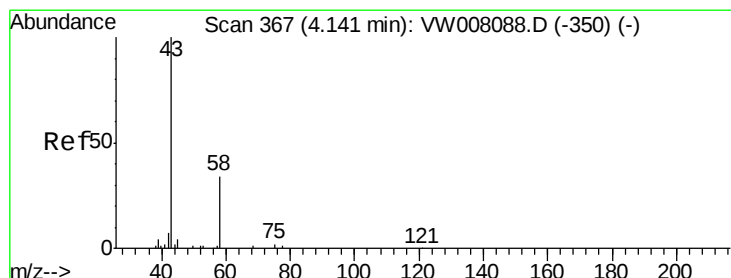
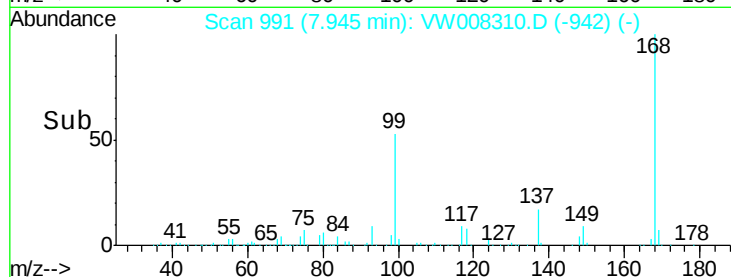
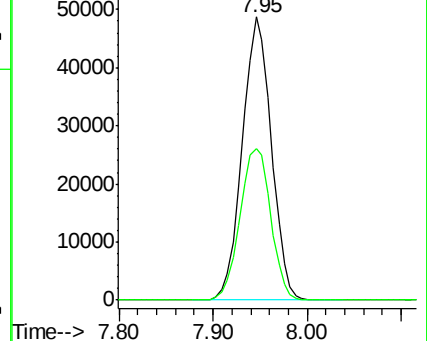
168 100

99 53.2 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 93.752 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW008310.D

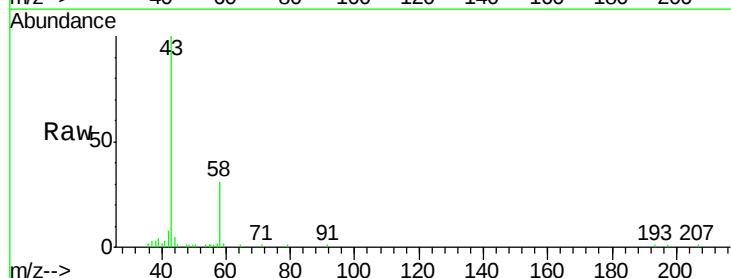
Acq: 16 Jan 2019 16:02

Tgt Ion: 43 Resp: 22524

Ion Ratio Lower Upper

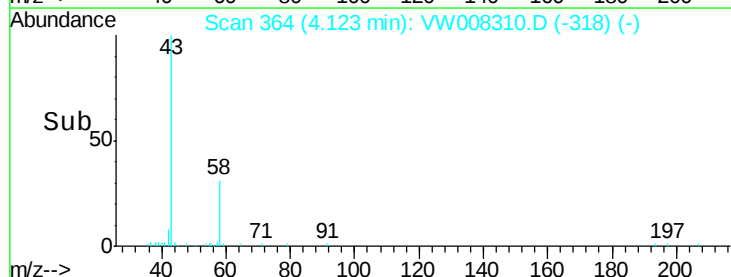
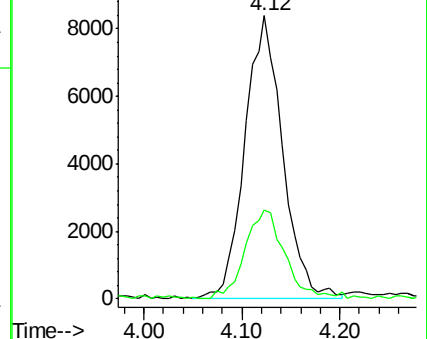
43 100

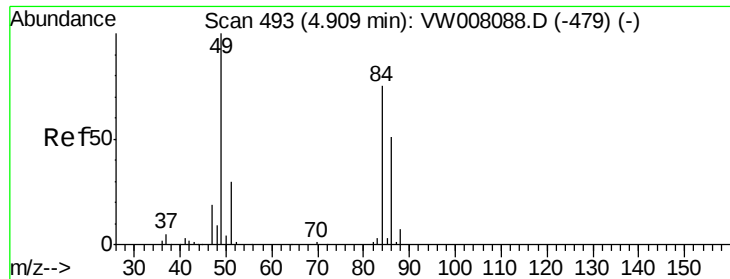
58 30.8 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

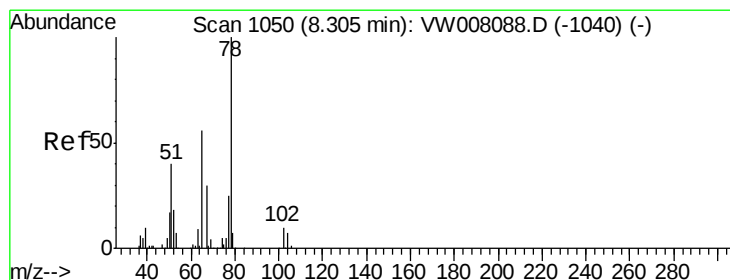
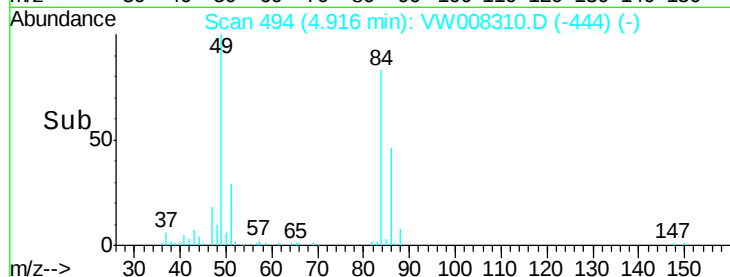
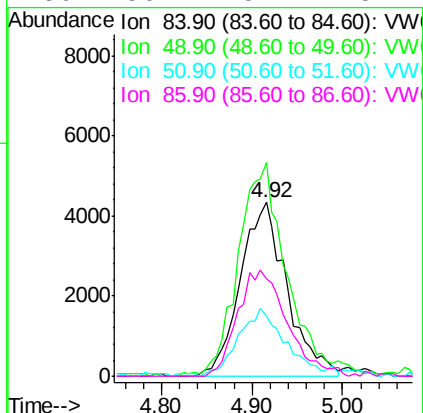
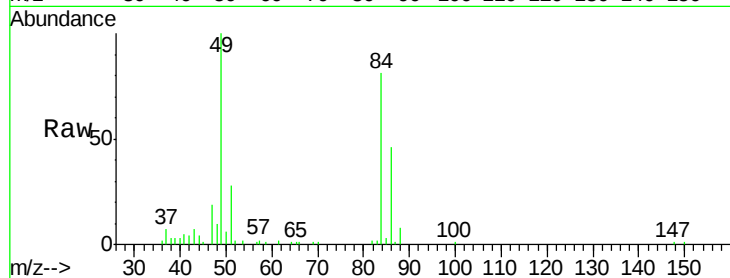




#20
Methvlene Chloride
Concen: 9.508 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008310.D
Acq: 16 Jan 2019 16:02

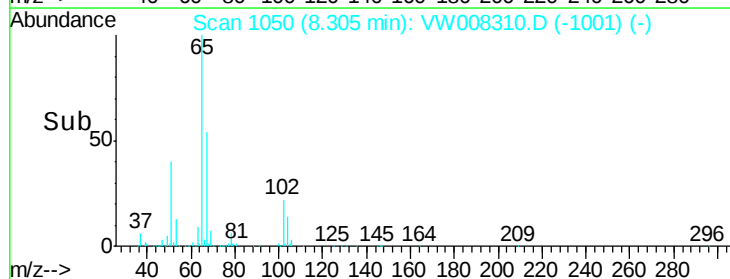
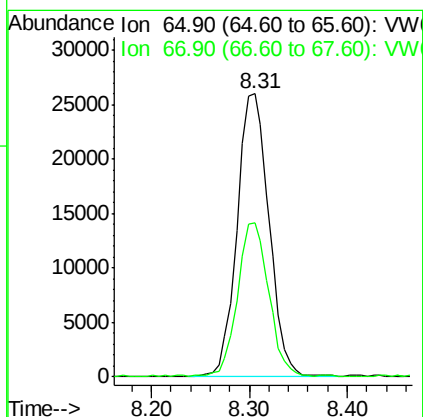
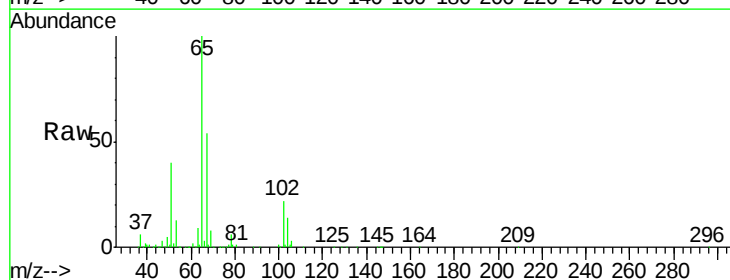
Instrument :
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ClientSampleId :
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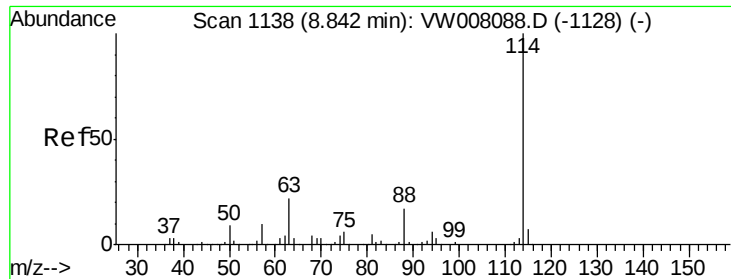
Tot Ion: 84 Resp: 15457
Ion Ratio Lower Upper
84 100
49 121.0 107.1 160.7
51 33.0 32.4 48.6
86 56.1 54.2 81.4



#33
1,2-Dichloroethane-d4
Concen: 50.304 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008310.D
Acq: 16 Jan 2019 16:02

Tgt Ion: 65 Resp: 58927
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.8

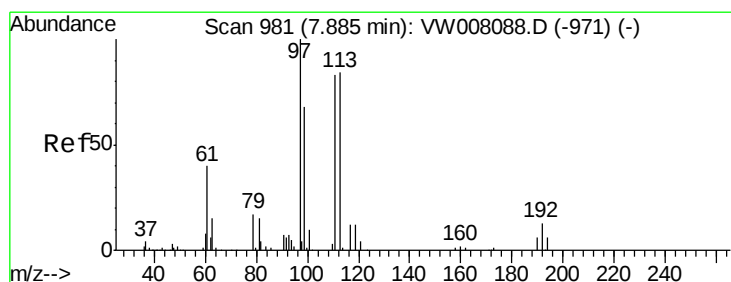
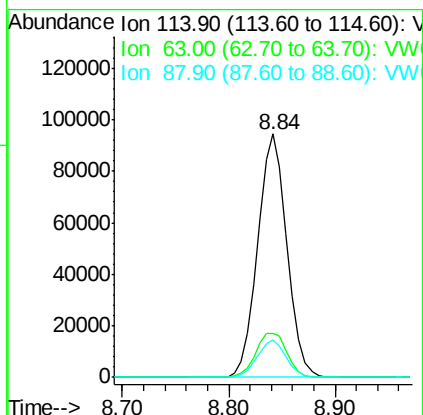
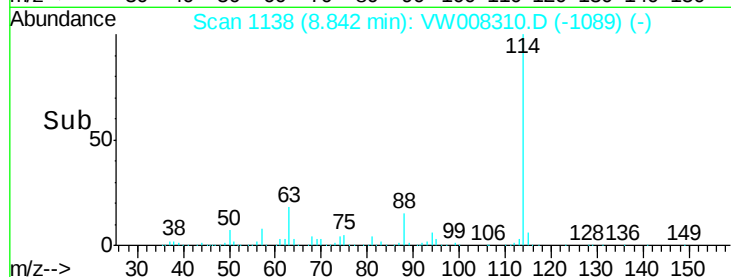
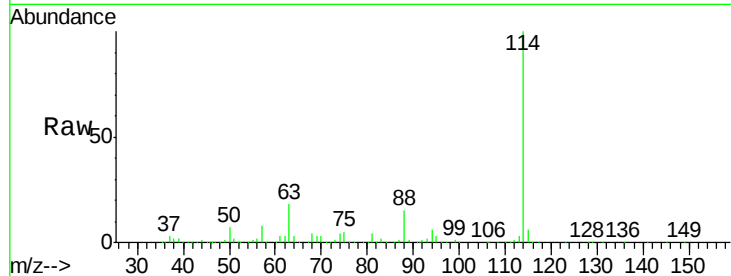




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW008310.D
Acq: 16 Jan 2019 16:02

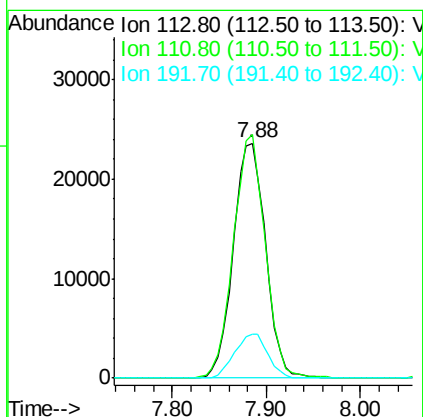
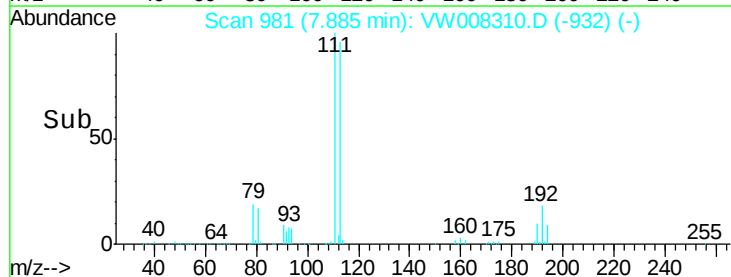
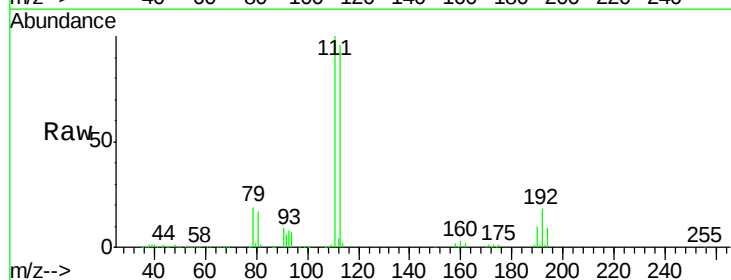
Instrument :
MSVOA_W
ClientSampleId :
EO-01-011519-A

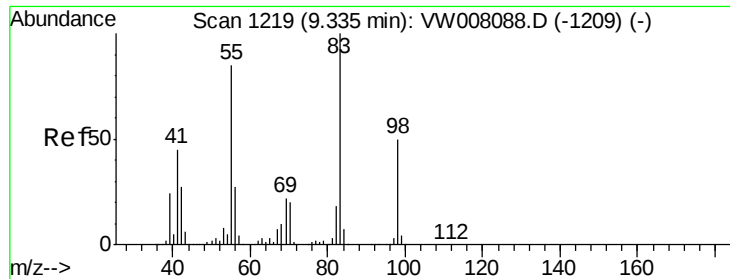
Tot Ion:114 Resp: 180902
Ion Ratio Lower Upper
114 100
63 18.3 0.0 43.4
88 15.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 53.761 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008310.D
Acq: 16 Jan 2019 16:02

Tgt Ion:113 Resp: 56723
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.8
192 19.3 12.8 19.2#

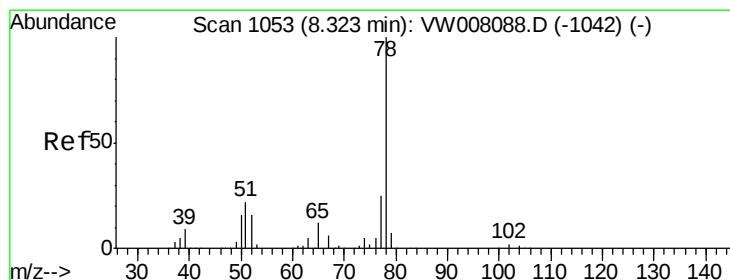
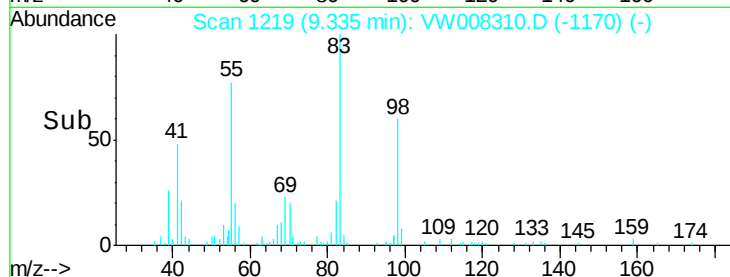
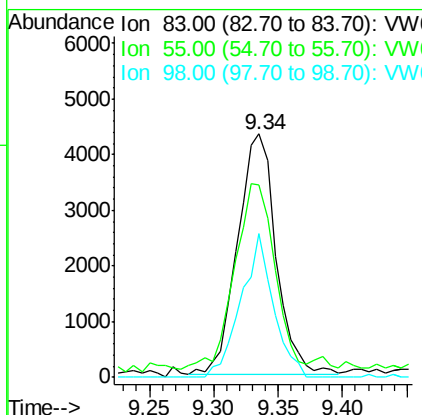
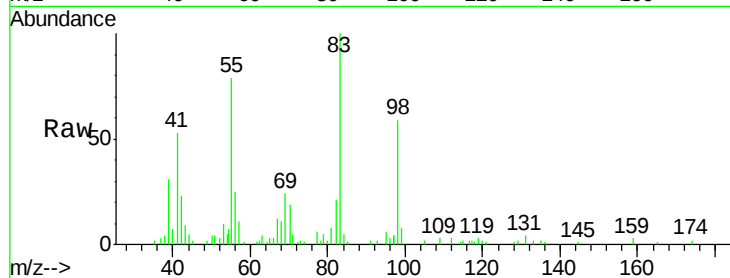




#39
Methvlcvclohexane
Concen: 3.796 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008310.D
Acq: 16 Jan 2019 16:02

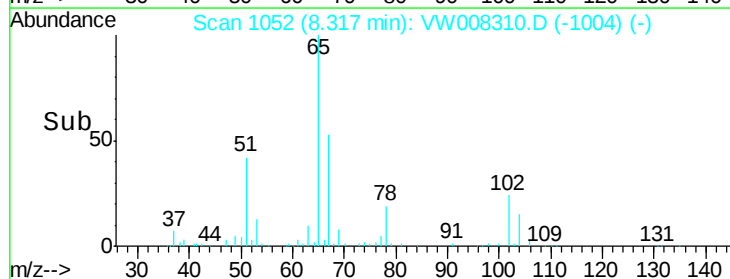
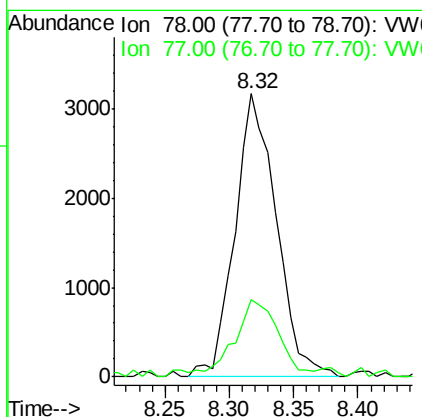
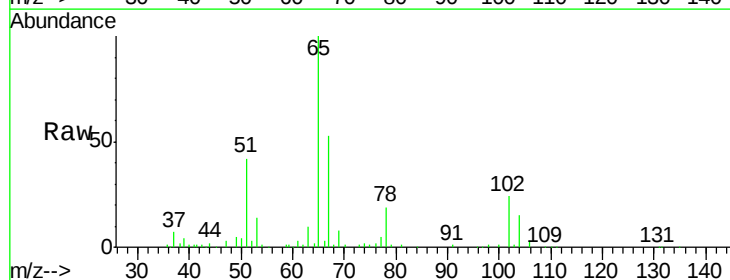
Instrument :
MSVOA_W
ClientSampleId :
EO-01-011519-A

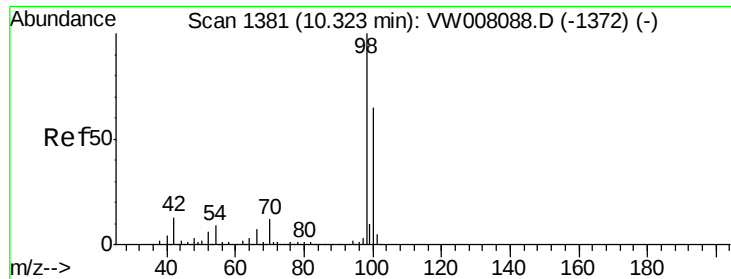
Tot Ion: 83 Resp: 8970
Ion Ratio Lower Upper
83 100
55 76.4 67.8 101.6
98 59.7 40.2 60.4



#40
Benzene
Concen: 1.399 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008310.D
Acq: 16 Jan 2019 16:02

Tgt Ion: 78 Resp: 7072
Ion Ratio Lower Upper
78 100
77 25.6 20.2 30.4

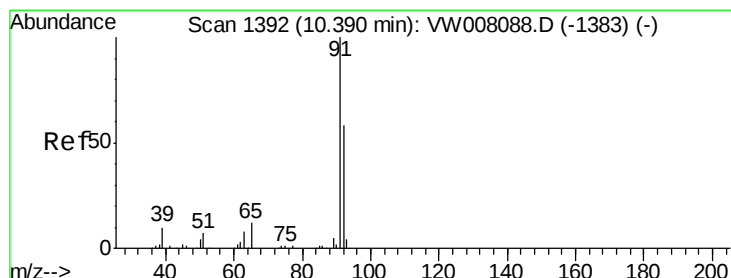
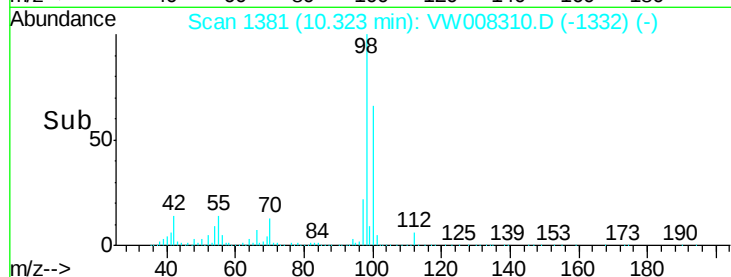
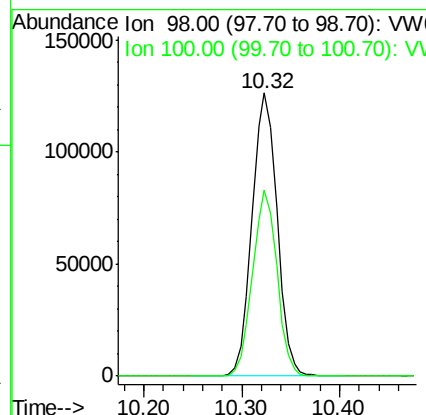
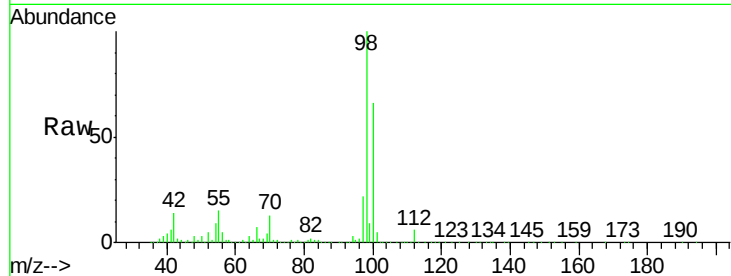




#50
Toluene-d8
Concen: 50.784 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008310.D
Acq: 16 Jan 2019 16:02

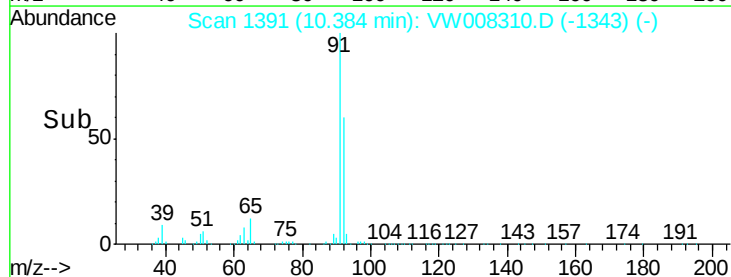
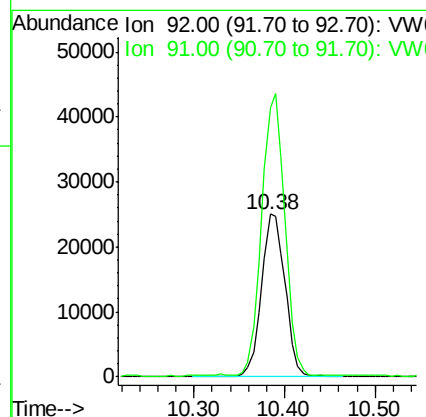
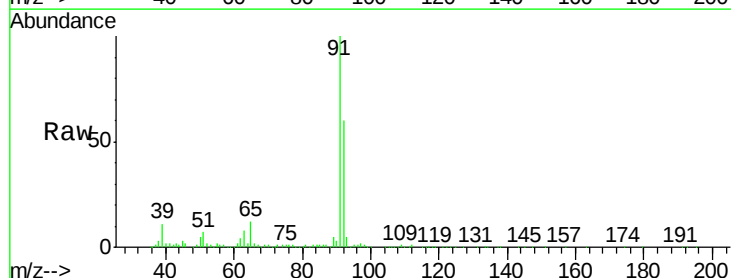
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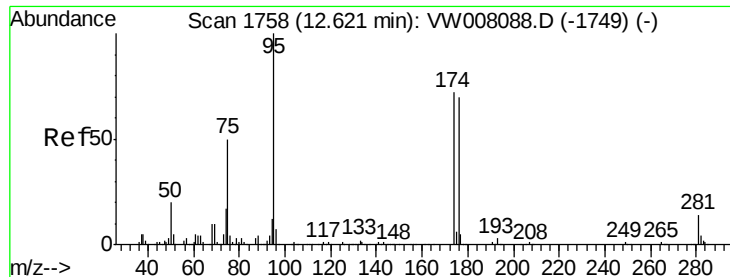
Tot Ion: 98 Resp: 224850
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5



#52
Toluene
Concen: 14.021 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008310.D
Acq: 16 Jan 2019 16:02

Tgt Ion: 92 Resp: 45257
Ion Ratio Lower Upper
92 100
91 169.1 137.0 205.4

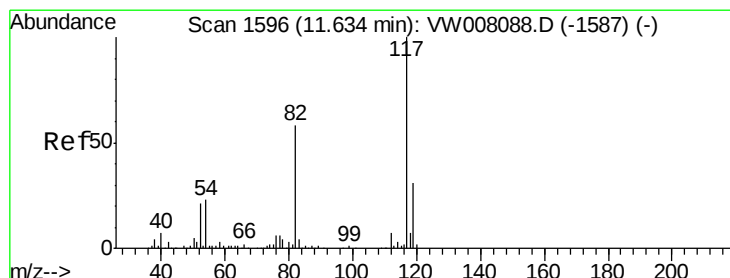
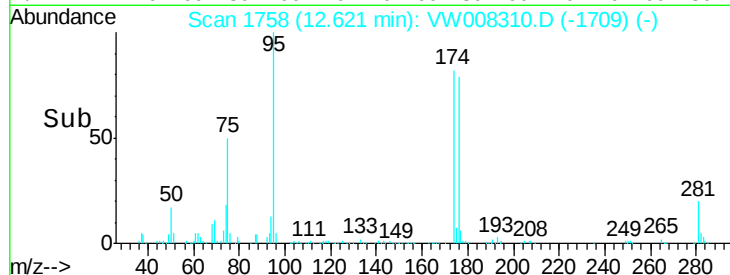
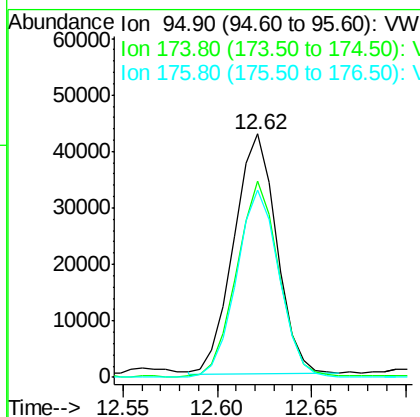
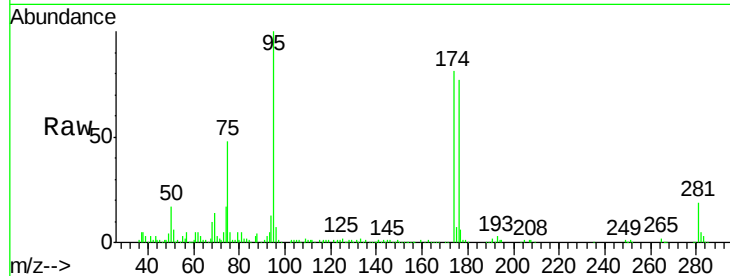




#62
4-Bromofluorobenzene
Concen: 42.091 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008310.D
Acq: 16 Jan 2019 16:02

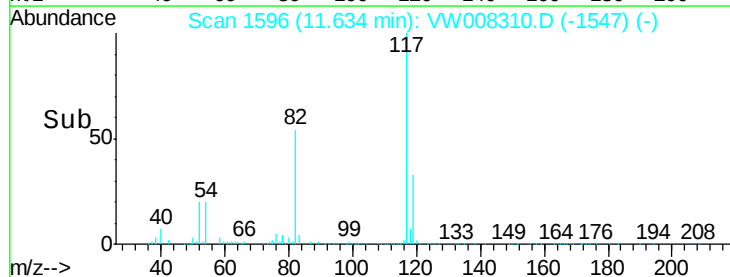
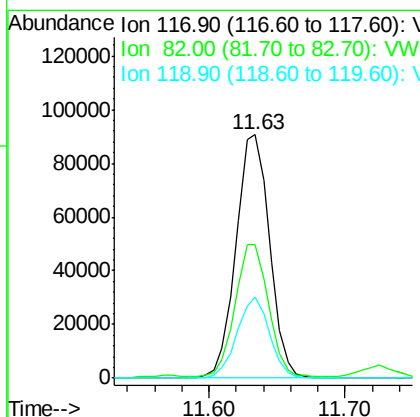
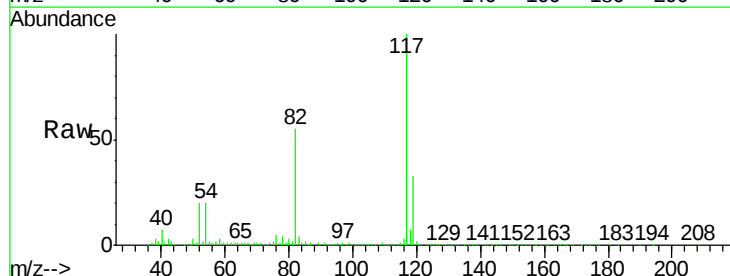
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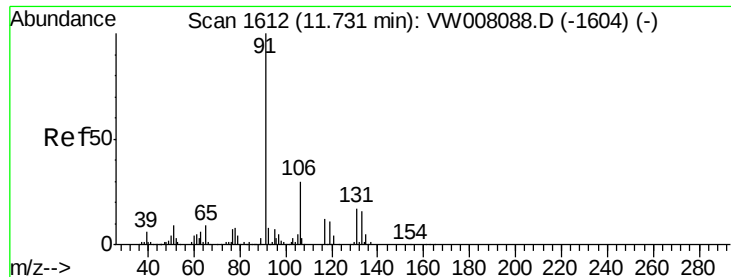
Tot Ion: 95 Resp: 66810
Ion Ratio Lower Upper
95 100
174 80.0 0.0 143.0
176 77.6 0.0 140.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008310.D
Acq: 16 Jan 2019 16:02

Tgt Ion: 117 Resp: 154961
Ion Ratio Lower Upper
117 100
82 54.4 46.4 69.6
119 33.1 24.7 37.1

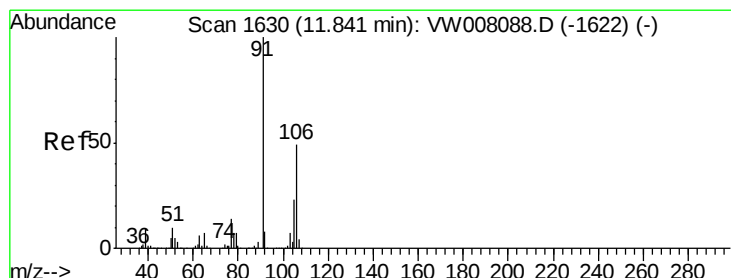
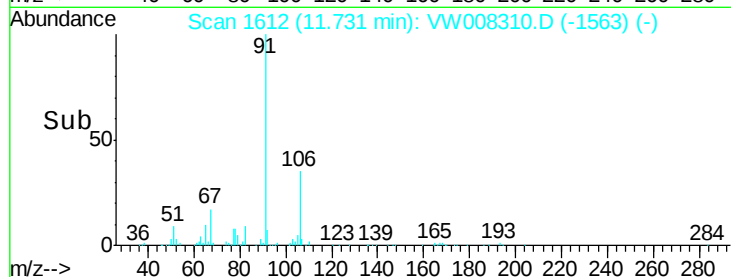
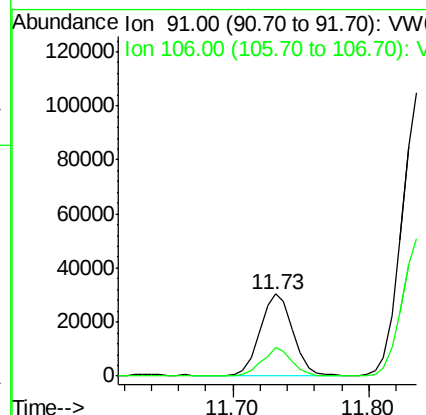
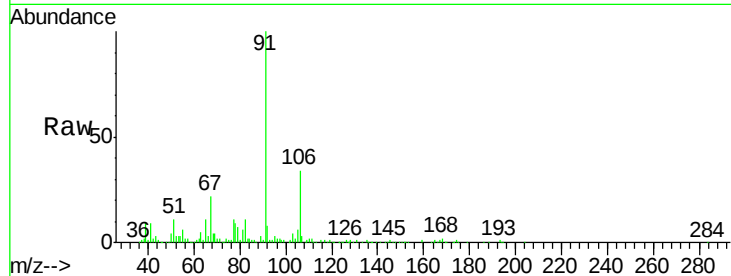




#67
Ethyl Benzene
Concen: 8.475 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008310.D
Acq: 16 Jan 2019 16:02

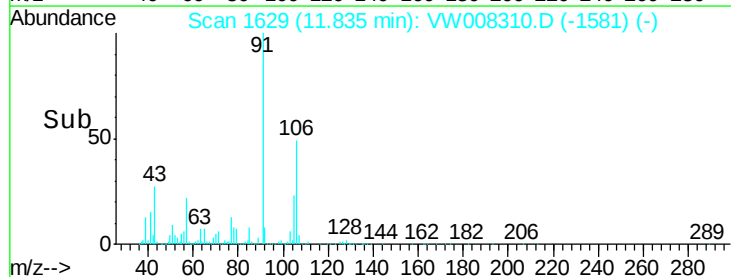
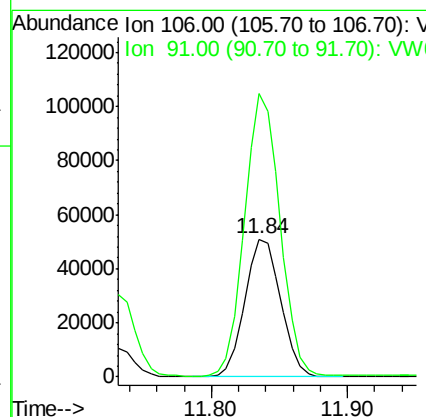
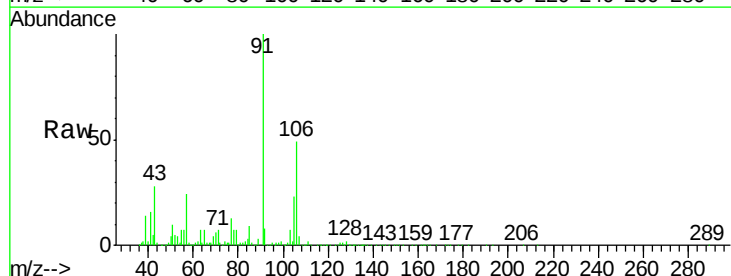
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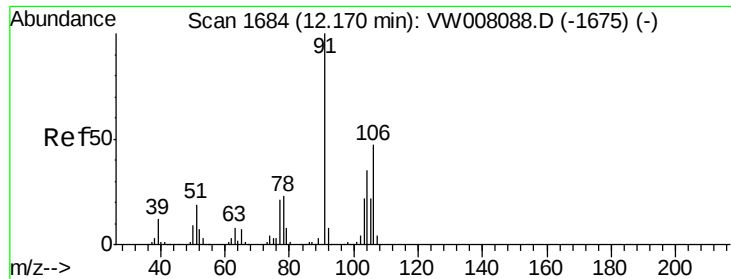
Tot Ion: 91 Resp: 50907
Ion Ratio Lower Upper
91 100
106 34.7 24.2 36.4



#68
m/p-Xylenes
Concen: 41.028 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008310.D
Acq: 16 Jan 2019 16:02

Tgt Ion: 106 Resp: 94067
Ion Ratio Lower Upper
106 100
91 202.3 162.4 243.6

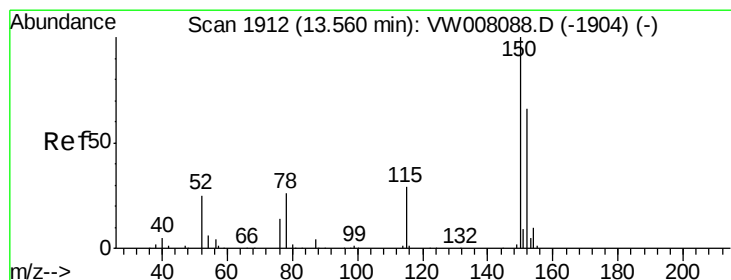
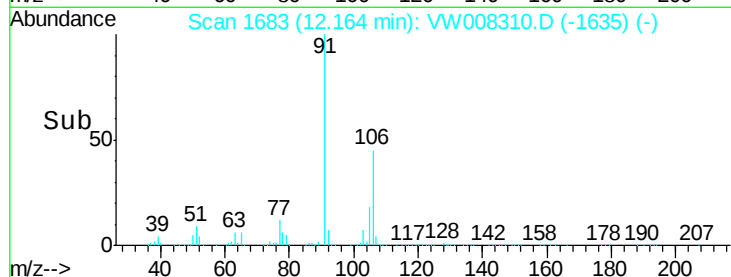
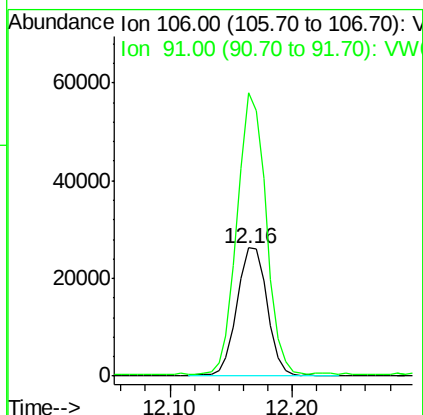
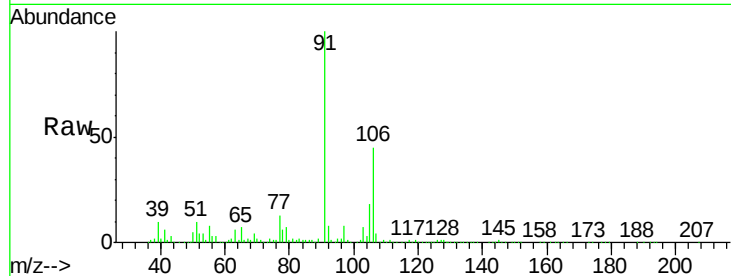




#69
o-Xylene
Concen: 21.270 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008310.D
Acq: 16 Jan 2019 16:02

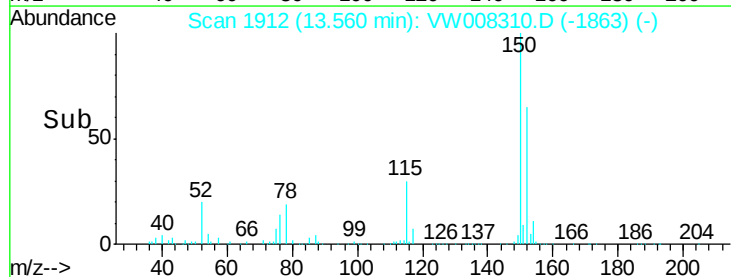
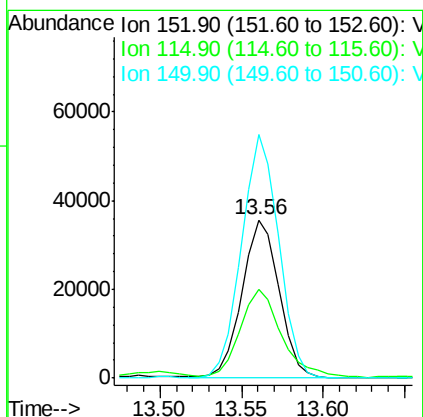
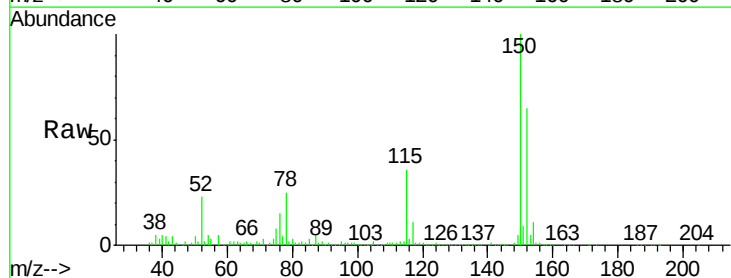
Instrument :
MSVOA_W
ClientSampleId :
EO-01-011519-A

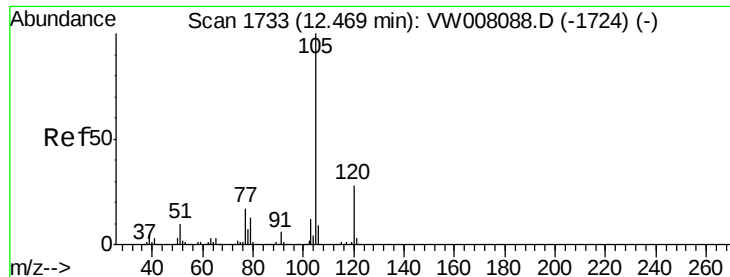
Tot Ion:106 Resp: 45161
Ion Ratio Lower Upper
106 100
91 208.3 107.8 323.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008310.D
Acq: 16 Jan 2019 16:02

Tgt Ion:152 Resp: 56172
Ion Ratio Lower Upper
152 100
115 61.8 30.8 92.4
150 156.1 0.0 350.2





#73

Isopropylbenzene

Concen: 4.139 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008310.D

Acq: 16 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

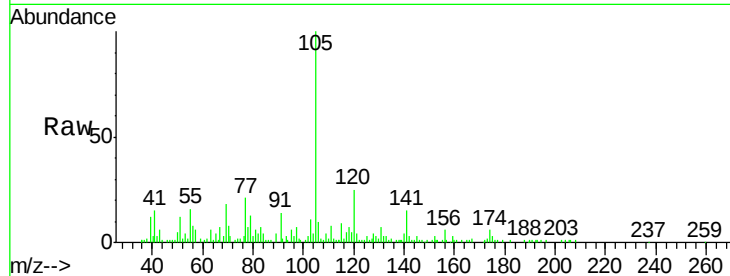
EO-01-011519-A

Tot Ion:105 Resp: 18255

Ion Ratio Lower Upper

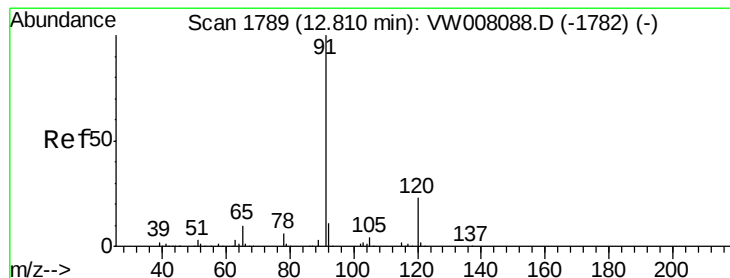
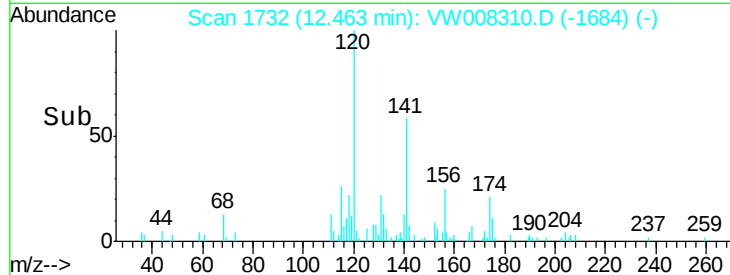
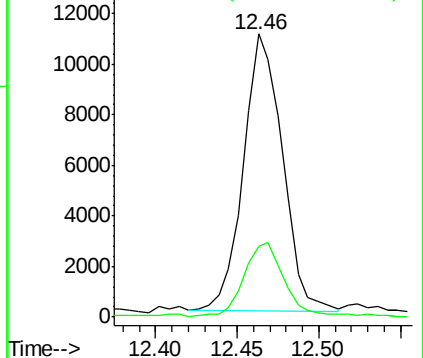
105 100

120 29.0 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 6.287 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008310.D

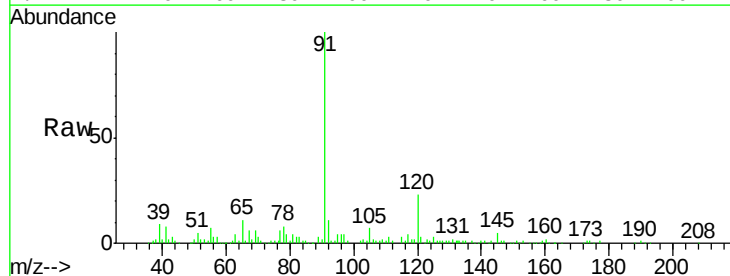
Acq: 16 Jan 2019 16:02

Tgt Ion: 91 Resp: 33973

Ion Ratio Lower Upper

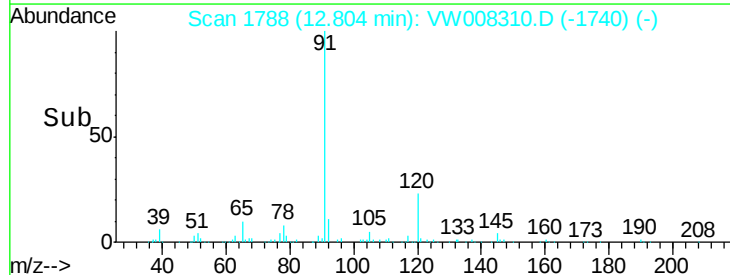
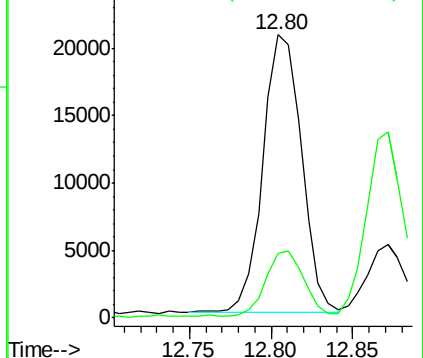
91 100

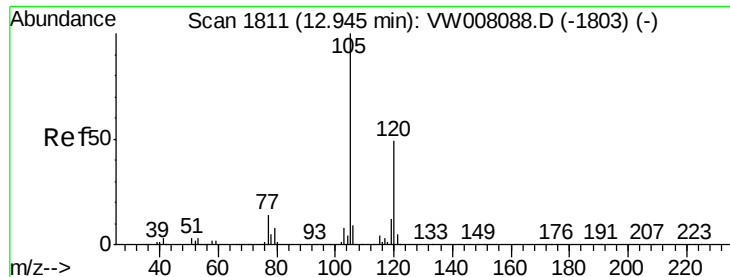
120 23.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

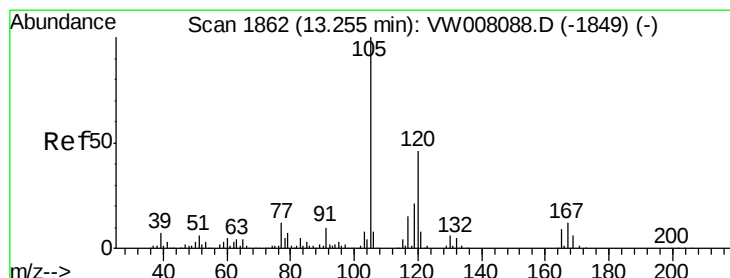
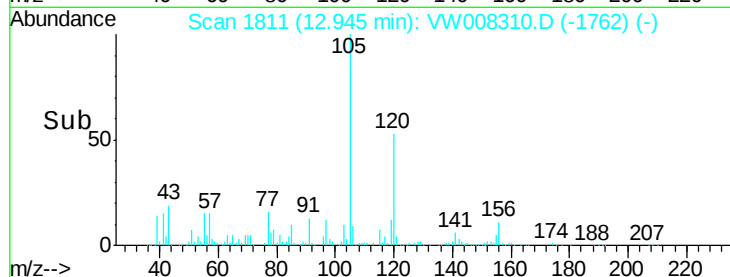
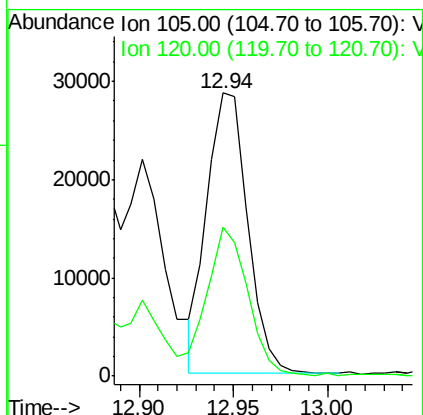
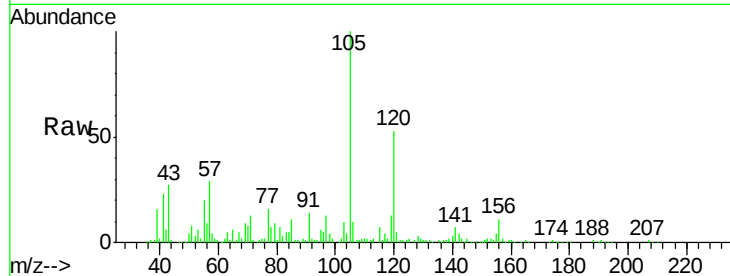




#80
 1,3,5-Trimethylbenzene
 Concen: 11.875 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008310.D
 Acq: 16 Jan 2019 16:02

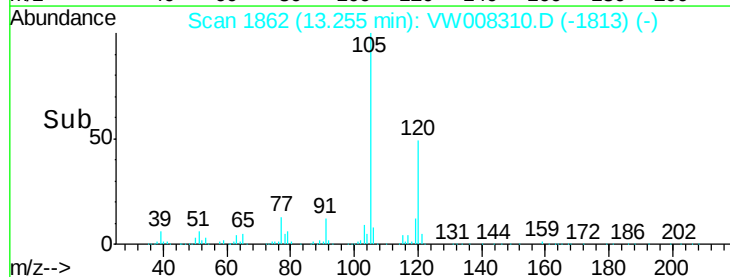
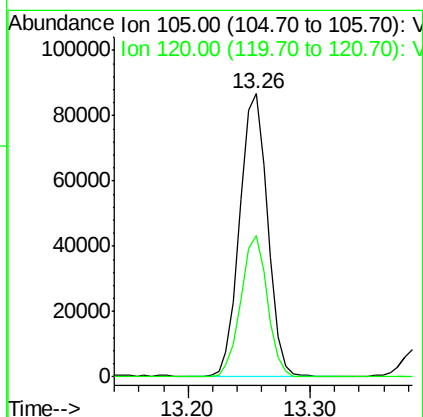
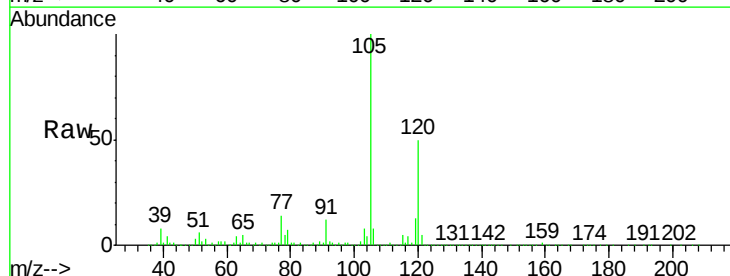
Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-011519-A

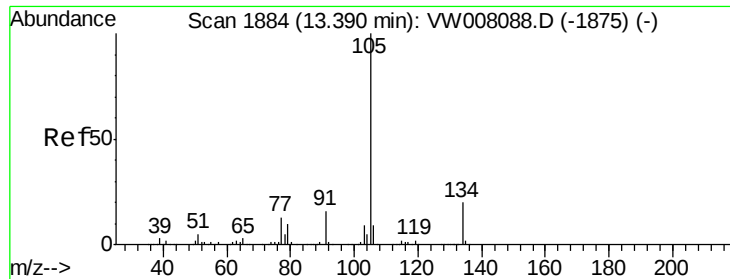
Tot Ion:105 Resp: 43034
 Ion Ratio Lower Upper
 105 100
 120 53.3 24.7 74.1



#84
 1,2,4-Trimethylbenzene
 Concen: 36.438 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008310.D
 Acq: 16 Jan 2019 16:02

Tgt Ion:105 Resp: 136193
 Ion Ratio Lower Upper
 105 100
 120 47.7 22.7 68.1





#85

sec-Butylbenzene

Concen: 2.834 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008310.D

Acq: 16 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

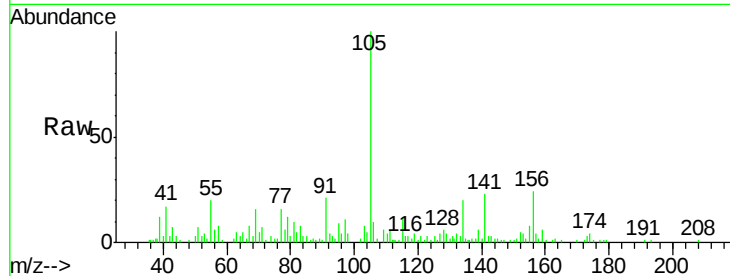
EO-01-011519-A

Tot Ion:105 Resp: 13309

Ion Ratio Lower Upper

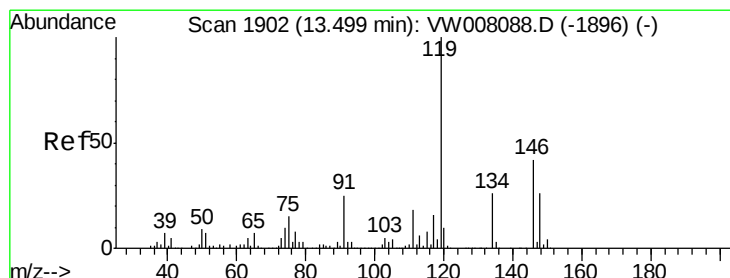
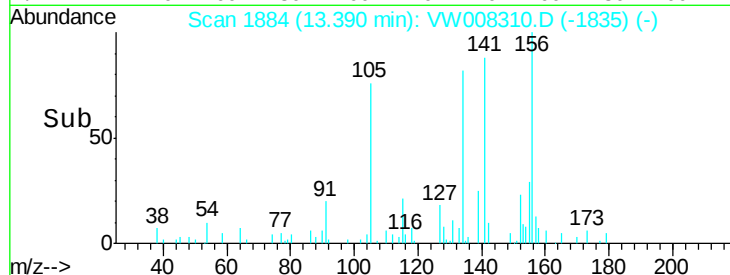
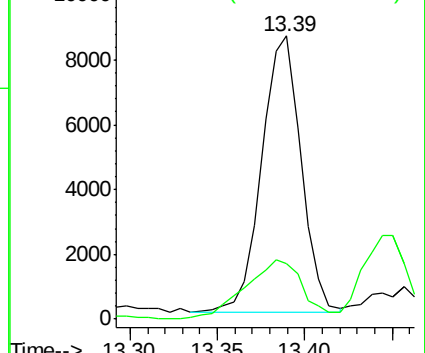
105 100

134 31.6 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.906 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW008310.D

Acq: 16 Jan 2019 16:02

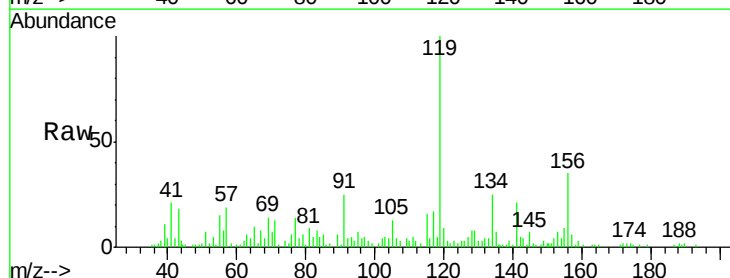
Tgt Ion:119 Resp: 11786

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

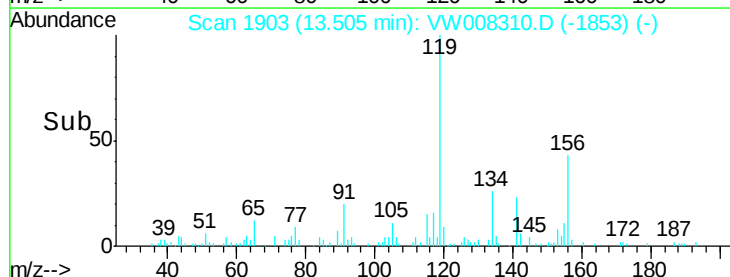
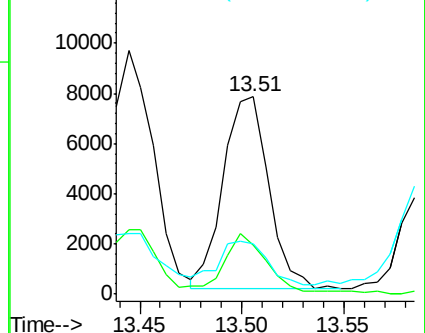
91 24.4 12.3 36.9

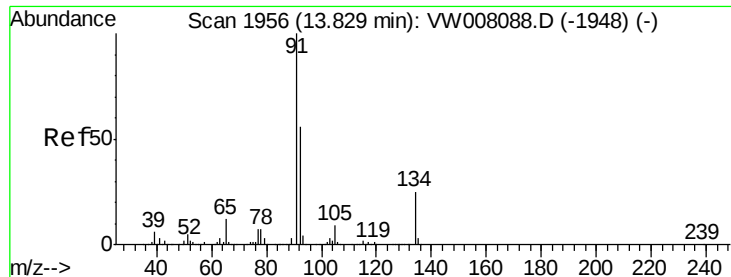


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 4.742 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008310.D

Acq: 16 Jan 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

EO-01-011519-A

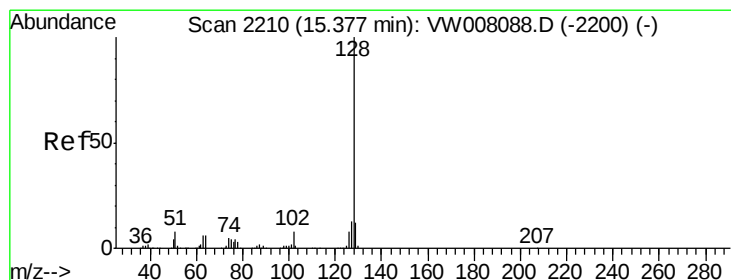
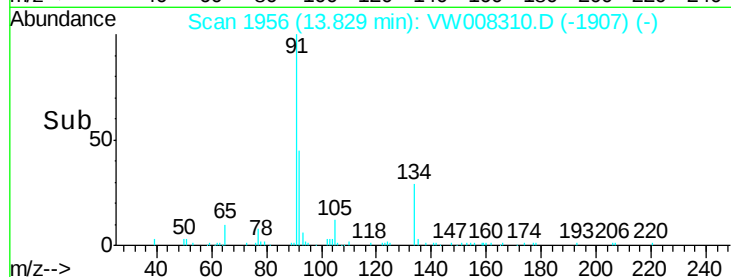
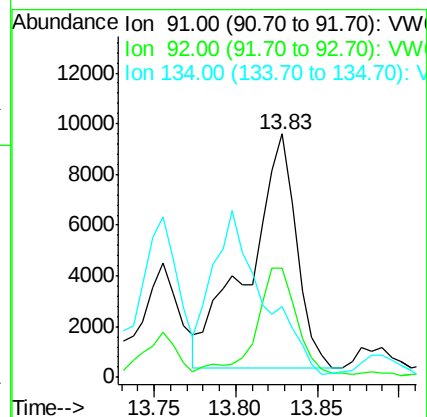
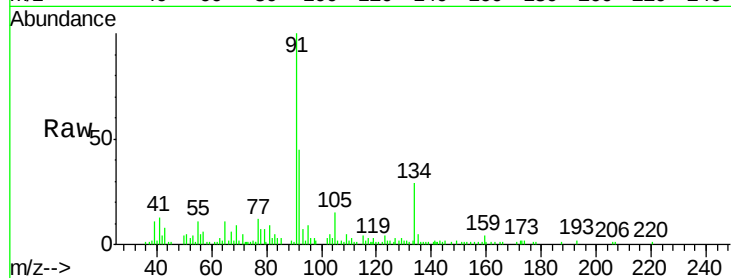
Tot Ion: 91 Resp: 18834

Ion Ratio Lower Upper

91 100

92 38.7 27.4 82.2

134 0.0 12.6 37.8#



#95

Naphthalene

Concen: 14.199 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW008310.D

Acq: 16 Jan 2019 16:02

Tgt Ion: 128 Resp: 29242

Ion Ratio Lower Upper

128 100

127 14.9 11.0 16.4

129 11.9 9.0 13.6

