

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
 Data File : VW008068.D
 Acq On : 07 Jan 2019 14:35
 Operator : SY/AP
 Sample : K1012-03
 Misc : 7.02G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-02-010419-B

Quant Time: Jan 08 04:09:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	58678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	95405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	73743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	27134	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	33900	52.23	ug/l	0.00
Spiked Amount						
			Recovery	=	104.46%	
35) Dibromofluoromethane	7.88	113	28927	48.10	ug/l	0.00
Spiked Amount						
			Recovery	=	96.20%	
50) Toluene-d8	10.32	98	108706	48.18	ug/l	0.00
Spiked Amount						
			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	12.62	95	33619	38.85	ug/l	0.00
Spiked Amount						
			Recovery	=	77.70%	

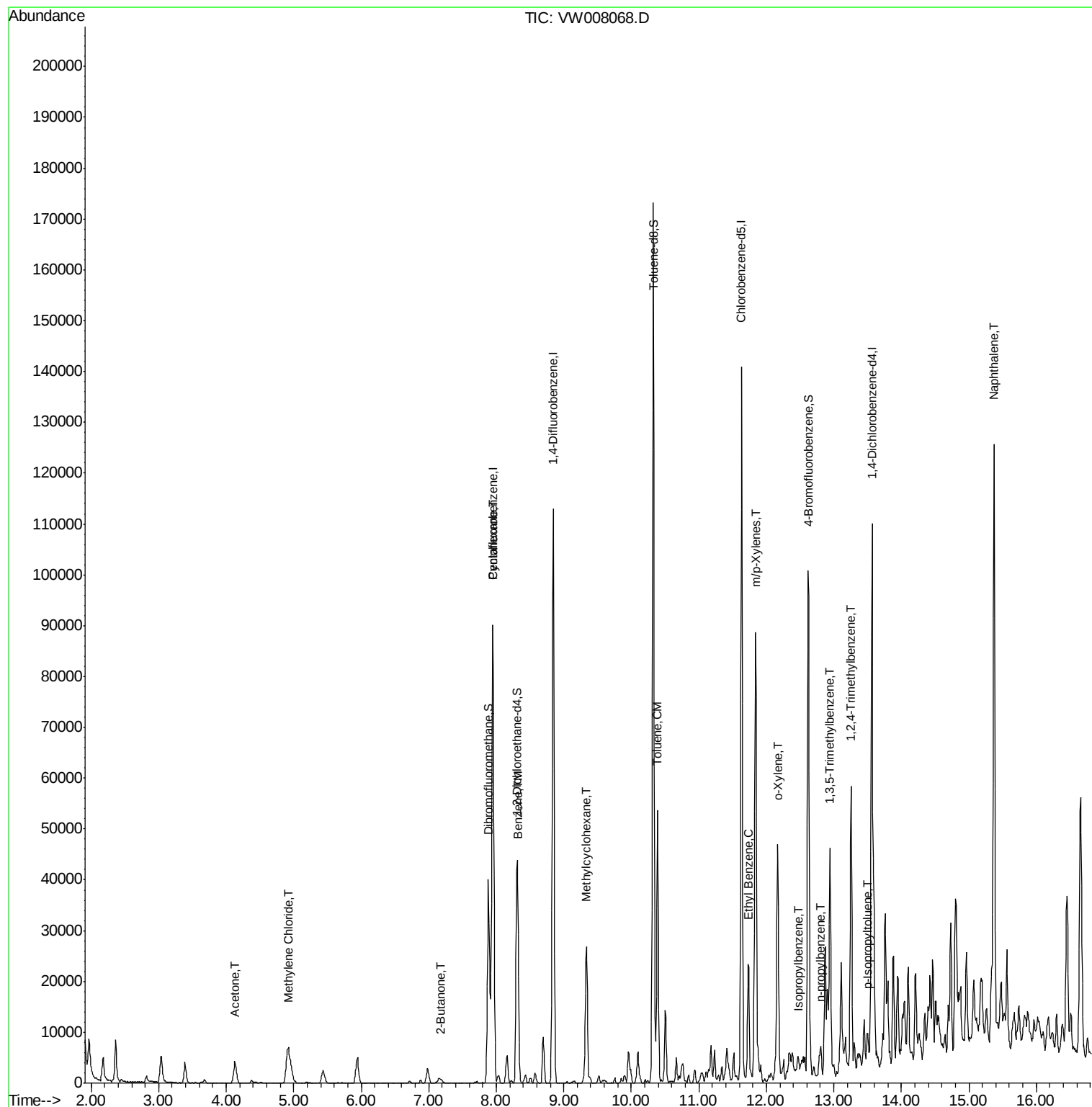
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	7634	75.987	ug/l	97
20) Methylene Chloride	4.92	84	5042	6.049	ug/l #	86
25) 2-Butanone	7.18	43	1155	9.758	ug/l #	85
31) Cyclohexane	7.96	56	5829	5.876	ug/l #	85
39) Methylcyclohexane	9.34	83	11397	9.715	ug/l	94
40) Benzene	8.32	78	9422	3.795	ug/l	93
52) Toluene	10.39	92	22635	13.810	ug/l	100
67) Ethyl Benzene	11.74	91	15728	5.622	ug/l	93
68) m/p-Xylenes	11.84	106	22890	21.165	ug/l	100
69) o-Xylene	12.17	106	10996	10.927	ug/l	98
73) Isopropylbenzene	12.47	105	2494	1.156	ug/l	93
78) n-propylbenzene	12.81	91	4201	1.679	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	17546	9.447	ug/l	94
84) 1,2,4-Trimethylbenzene	13.26	105	30595	16.264	ug/l	96
86) p-Isopropyltoluene	13.51	119	2751	1.364	ug/l	95
95) Naphthalene	15.37	128	102201	103.907	ug/l	99

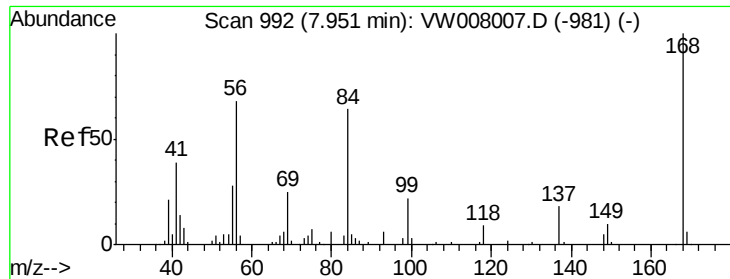
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008068.D

Acq: 07 Jan 2019 14:35

Instrument :

MSVOA_W

ClientSampleId :

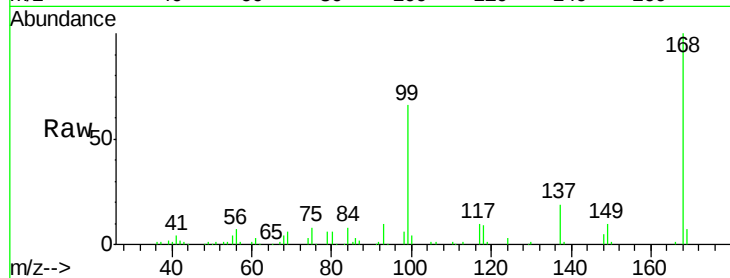
EO-02-010419-B

Tot Ion:168 Resp: 58678

Ion Ratio Lower Upper

168 100

99 65.7 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

25000

20000

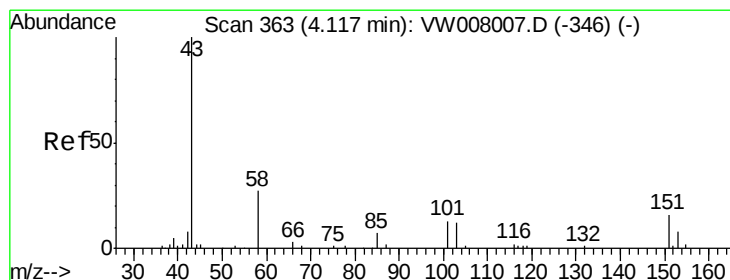
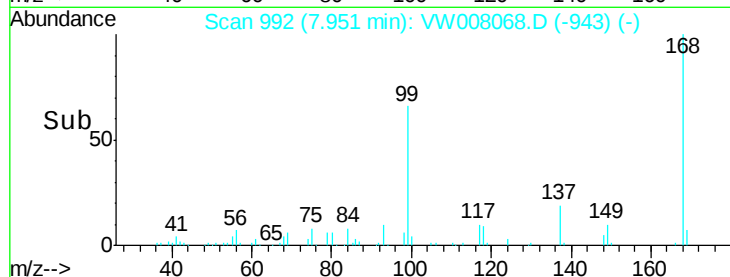
15000

10000

5000

0

Time-->



#16

Acetone

Concen: 75.987 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008068.D

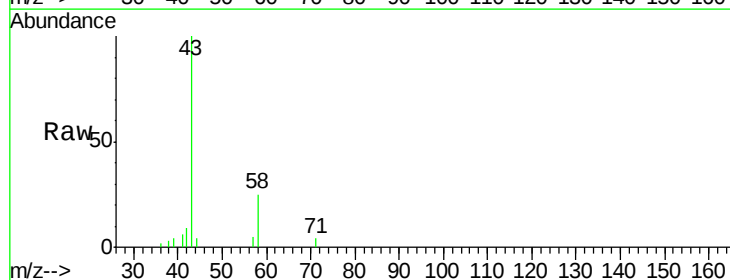
Acq: 07 Jan 2019 14:35

Tgt Ion: 43 Resp: 7634

Ion Ratio Lower Upper

43 100

58 25.5 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

3000

2500

2000

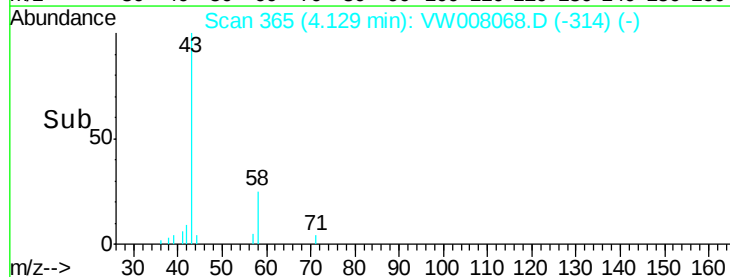
1500

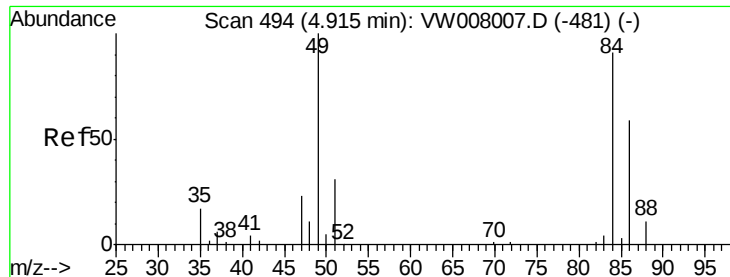
1000

500

0

Time-->

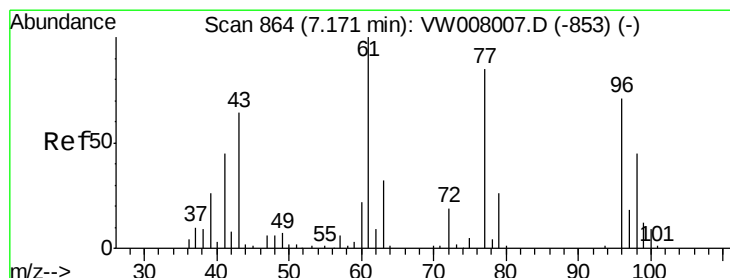
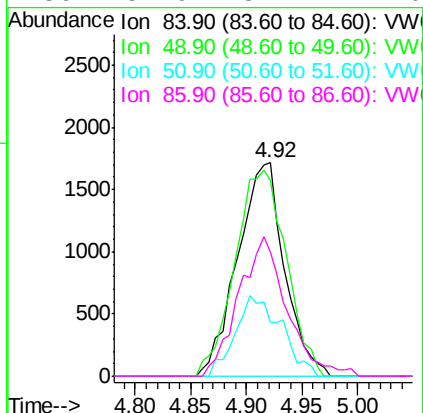
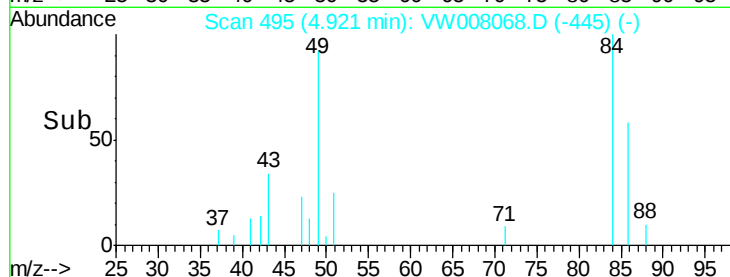
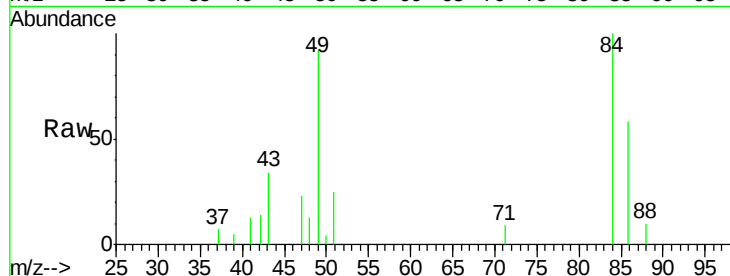




#20
Methvlene Chloride
Concen: 6.049 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW008068.D
Acq: 07 Jan 2019 14:35

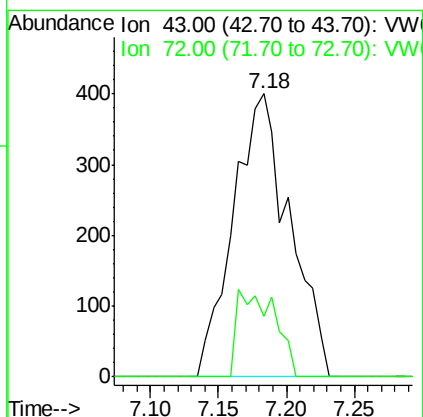
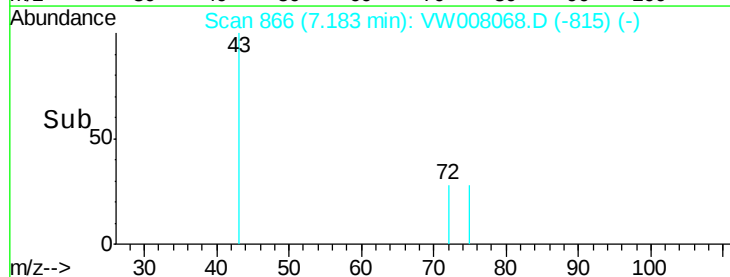
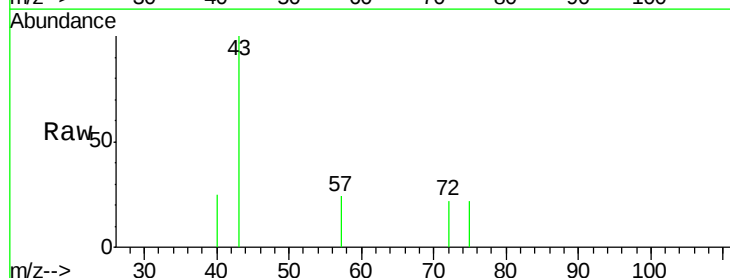
Instrument :
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ClientSampleId :
EO-02-010419-B

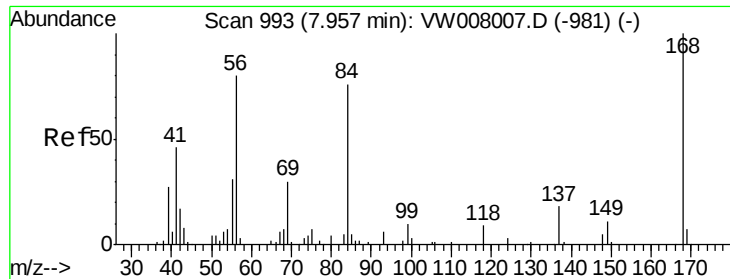
Tot Ion: 84 Resp: 5042
Ion Ratio Lower Upper
84 100
49 91.7 87.7 131.5
51 25.2 27.3 40.9#
86 57.9 51.4 77.0



#25
2-Butanone
Concen: 9.758 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW008068.D
Acq: 07 Jan 2019 14:35

Tgt Ion: 43 Resp: 1155
Ion Ratio Lower Upper
43 100
72 21.5 23.8 35.8#

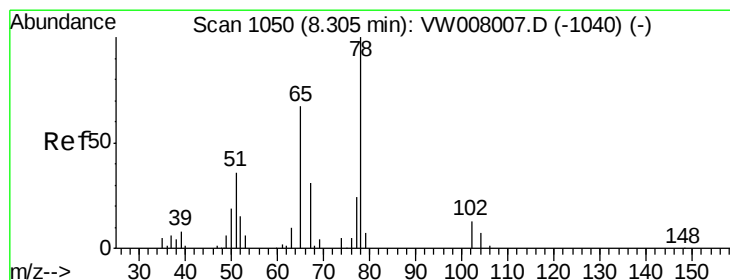
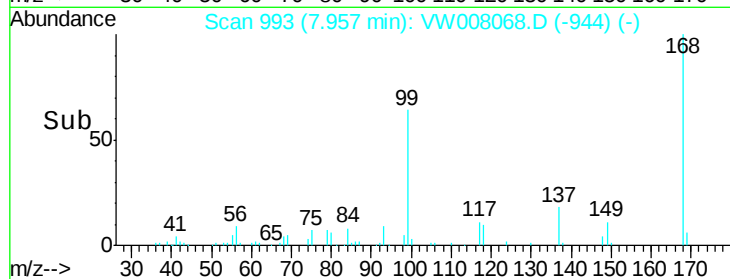
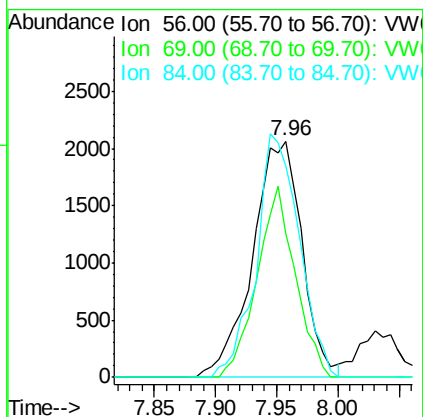
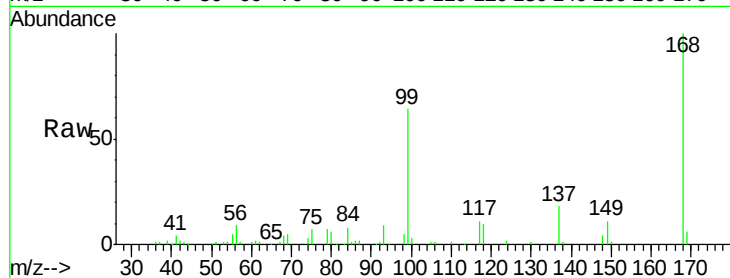




#31
Cyclohexane
Concen: 5.876 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW008068.D
Acq: 07 Jan 2019 14:35

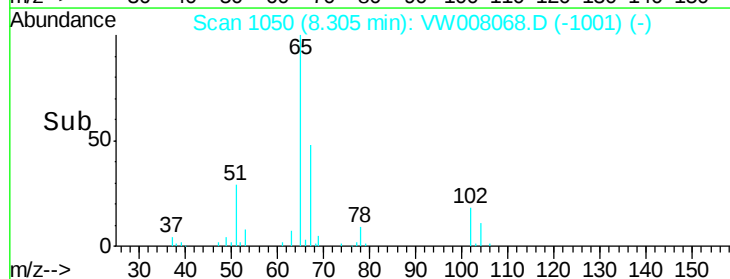
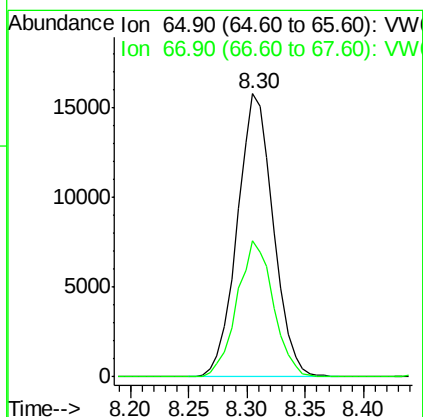
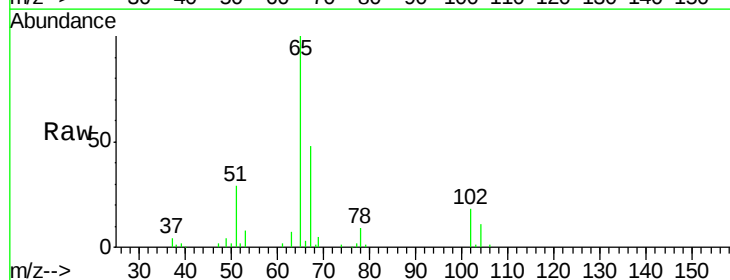
Instrument :
MSVOA_W
ClientSampleId :
EO-02-010419-B

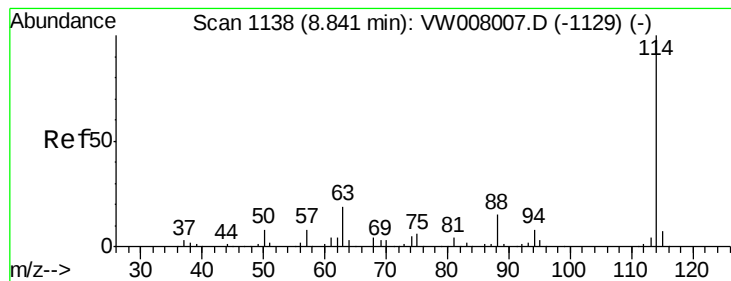
Tot Ion: 56 Resp: 5829
Ion Ratio Lower Upper
56 100
69 60.7 29.8 44.6#
84 89.3 75.2 112.8



#33
1,2-Dichloroethane-d4
Concen: 52.233 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008068.D
Acq: 07 Jan 2019 14:35

Tgt Ion: 65 Resp: 33900
Ion Ratio Lower Upper
65 100
67 48.6 0.0 94.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008068.D

Acq: 07 Jan 2019 14:35

Instrument :

MSVOA_W

ClientSampleId :

EO-02-010419-B

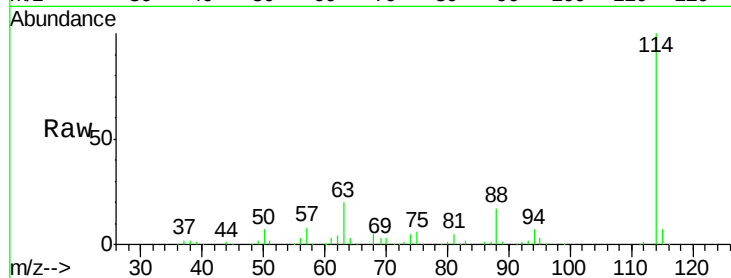
Tot Ion:114 Resp: 95405

Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.8

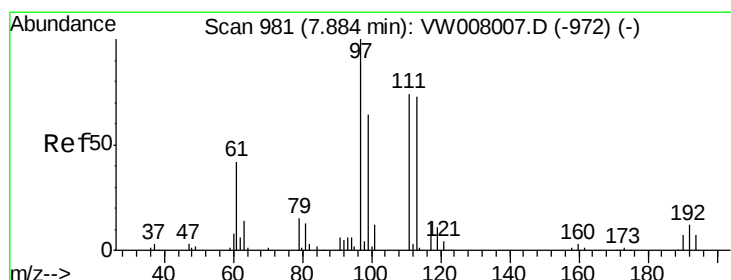
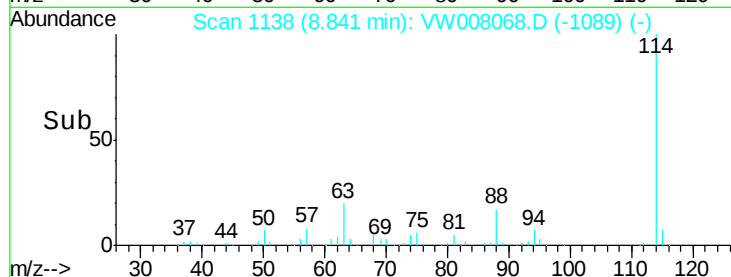
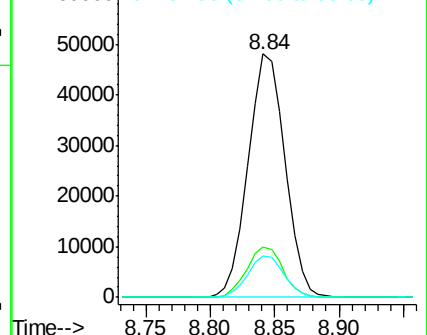
88 17.2 0.0 31.0



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: 48.096 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008068.D

Acq: 07 Jan 2019 14:35

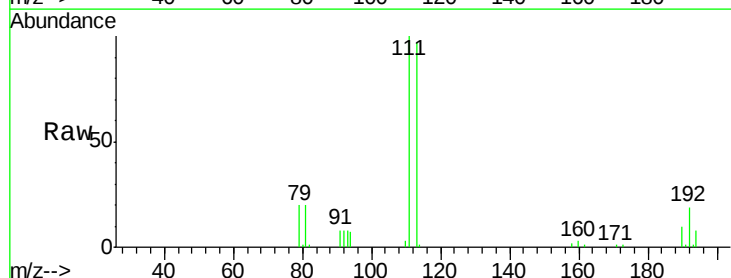
Tgt Ion:113 Resp: 28927

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

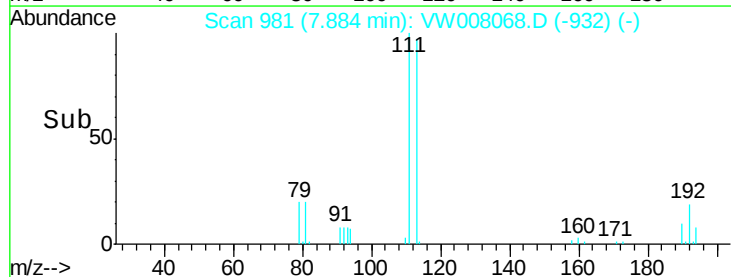
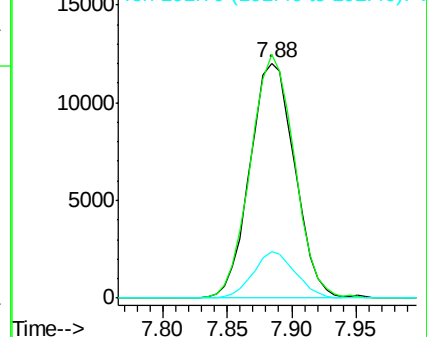
192 18.6 14.8 22.2

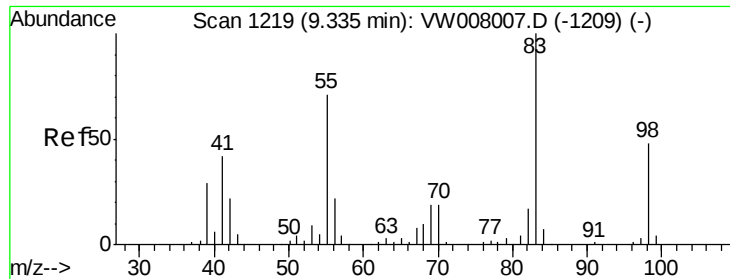


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

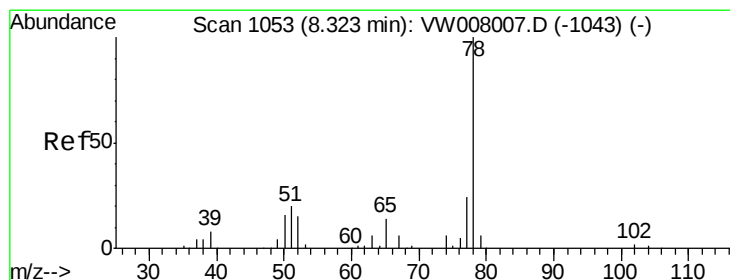
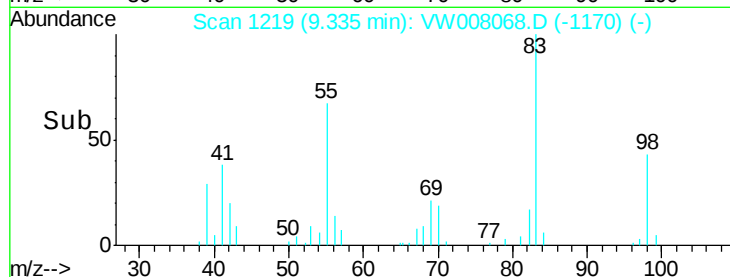
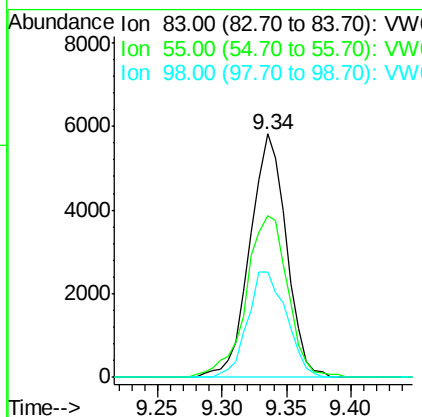
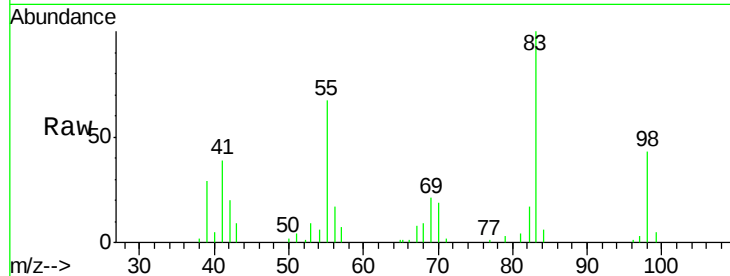




#39
Methvlcvclohexane
Concen: 9.715 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008068.D
Acq: 07 Jan 2019 14:35

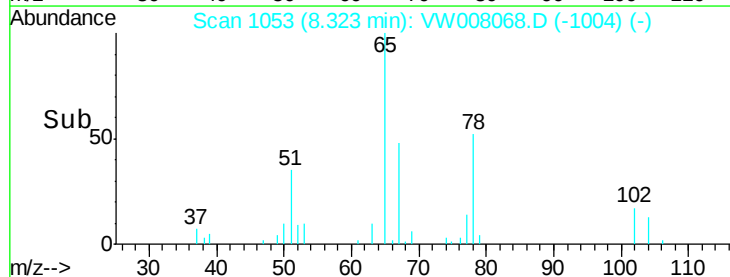
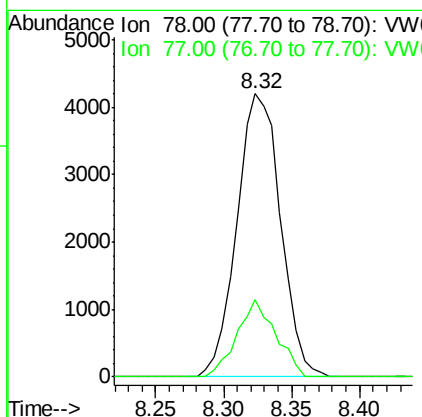
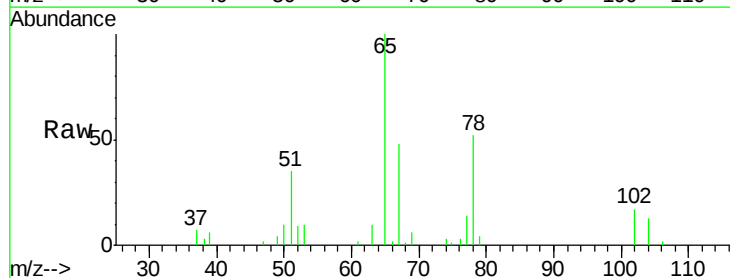
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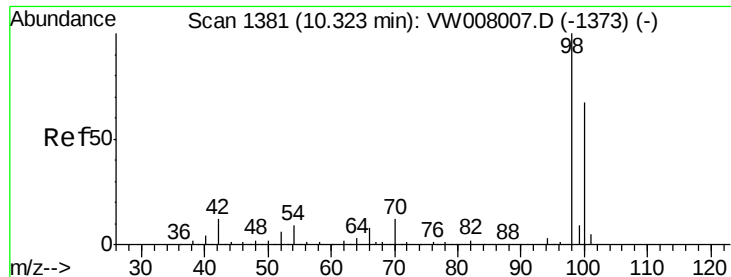
Tot Ion: 83 Resp: 11397
Ion Ratio Lower Upper
83 100
55 66.5 56.8 85.2
98 43.2 38.6 58.0



#40
Benzene
Concen: 3.795 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008068.D
Acq: 07 Jan 2019 14:35

Tgt Ion: 78 Resp: 9422
Ion Ratio Lower Upper
78 100
77 27.3 19.0 28.6





#50

Toluene-d8

Concen: 48.182 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008068.D

Acq: 07 Jan 2019 14:35

Instrument :

MSVOA_W

ClientSampleId :

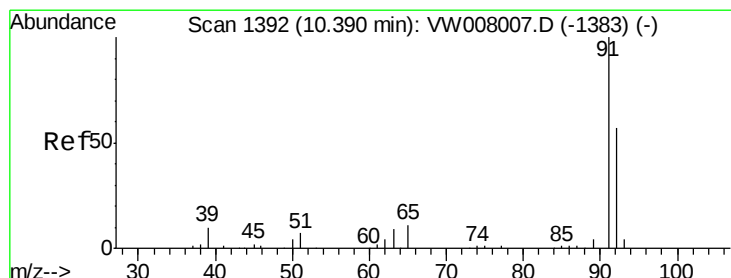
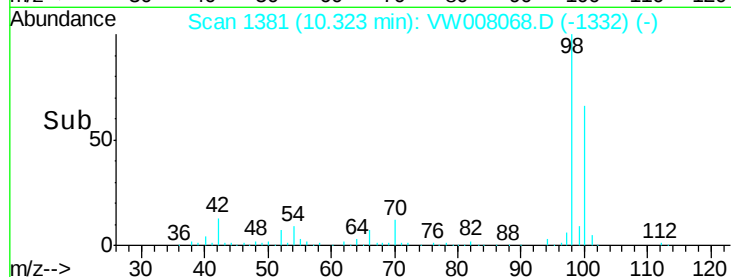
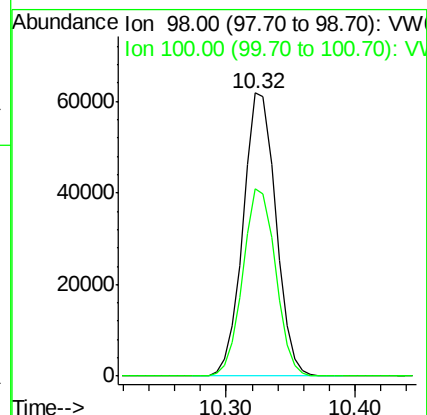
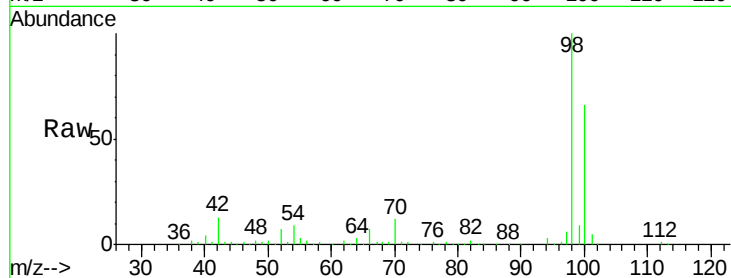
EO-02-010419-B

Tot Ion: 98 Resp: 108706

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3



#52

Toluene

Concen: 13.810 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008068.D

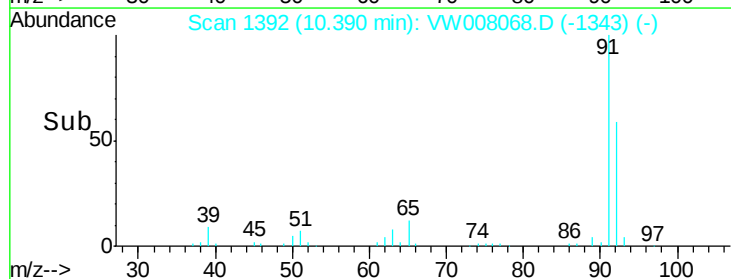
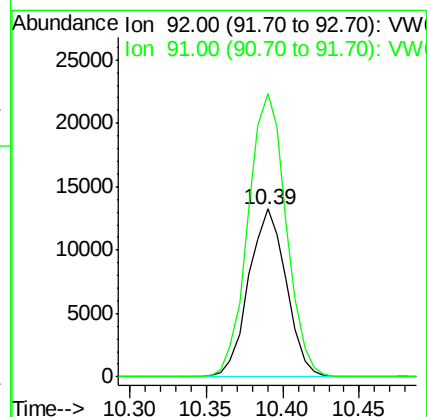
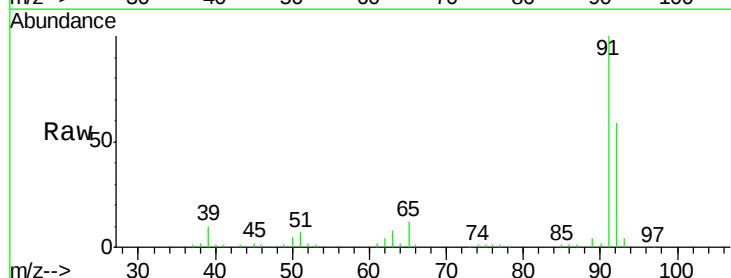
Acq: 07 Jan 2019 14:35

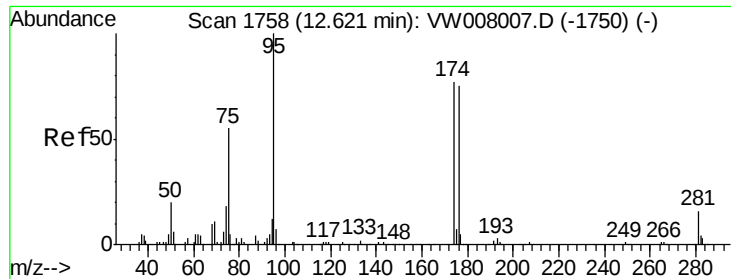
Tgt Ion: 92 Resp: 22635

Ion Ratio Lower Upper

92 100

91 171.2 136.9 205.3

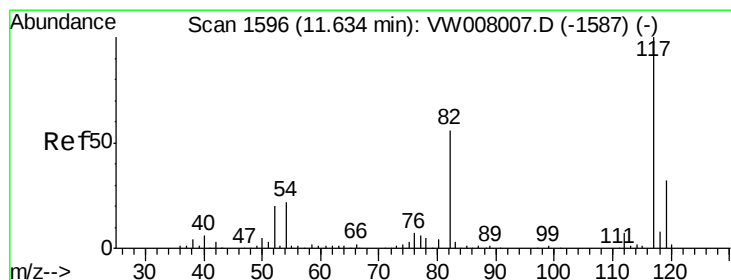
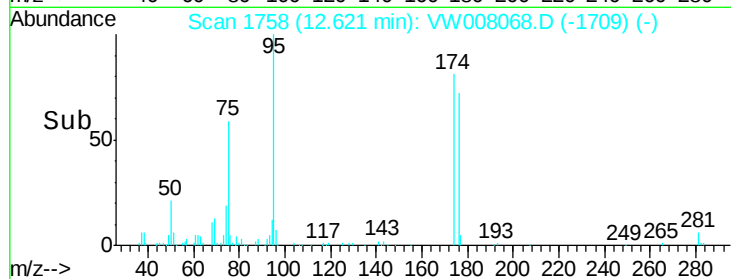
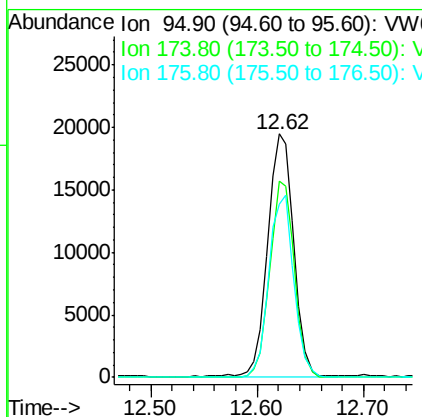
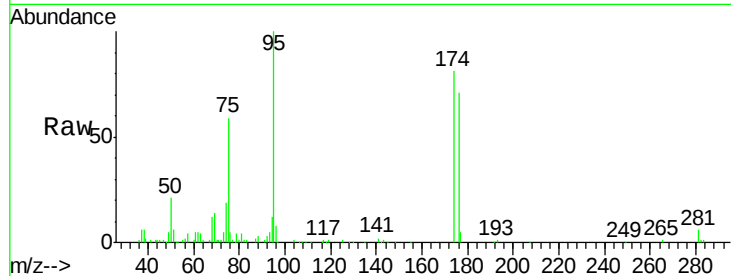




#62
4-Bromofluorobenzene
Concen: 38.855 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008068.D
Acq: 07 Jan 2019 14:35

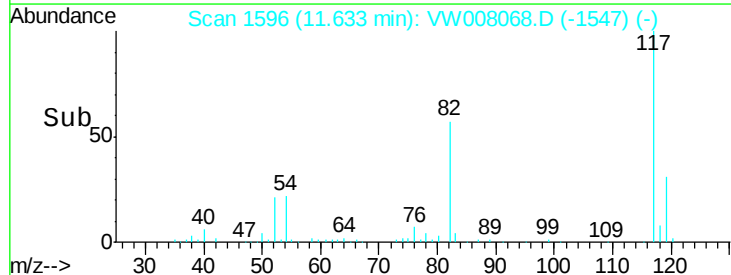
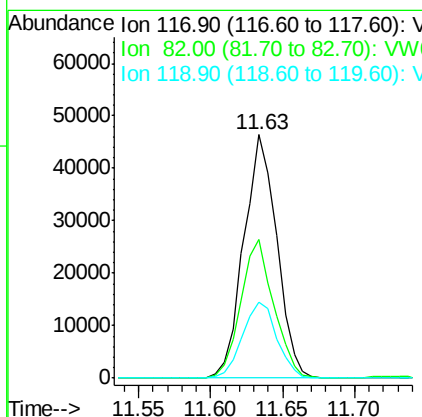
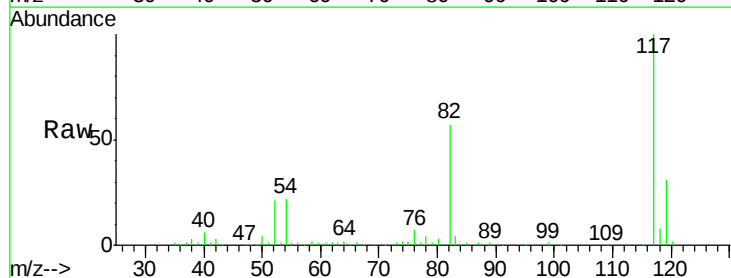
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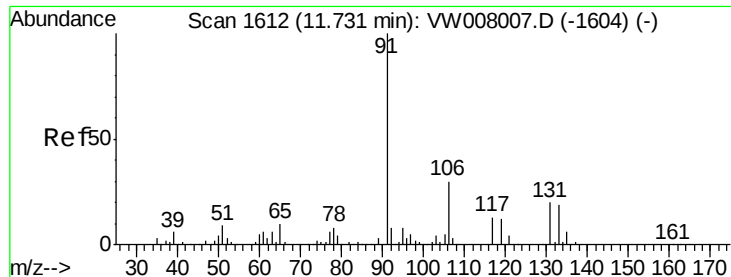
Tot Ion: 95 Resp: 33619
Ion Ratio Lower Upper
95 100
174 75.1 0.0 149.6
176 71.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008068.D
Acq: 07 Jan 2019 14:35

Tgt Ion: 117 Resp: 73743
Ion Ratio Lower Upper
117 100
82 56.8 44.8 67.2
119 31.1 25.6 38.4

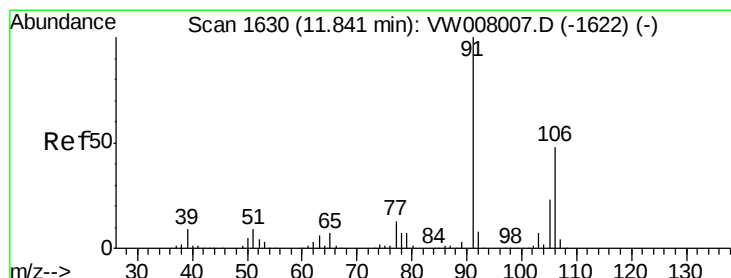
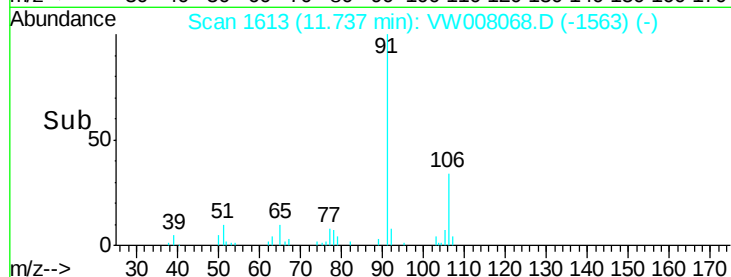
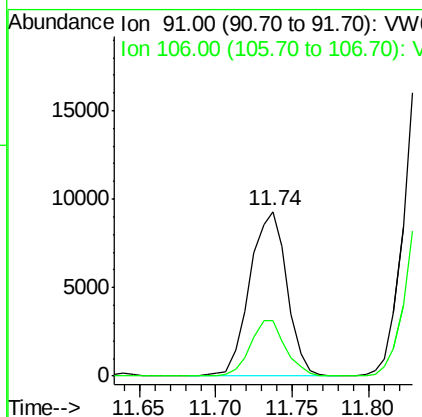
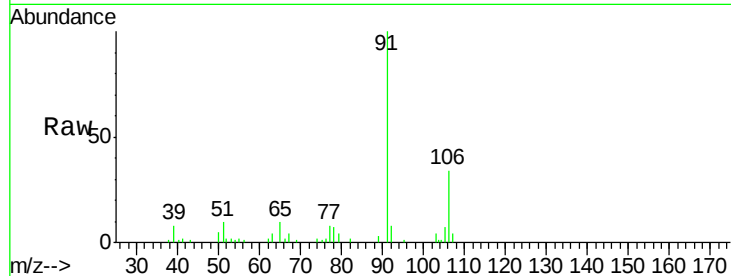




#67
Ethyl Benzene
Concen: 5.622 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW008068.D
Acq: 07 Jan 2019 14:35

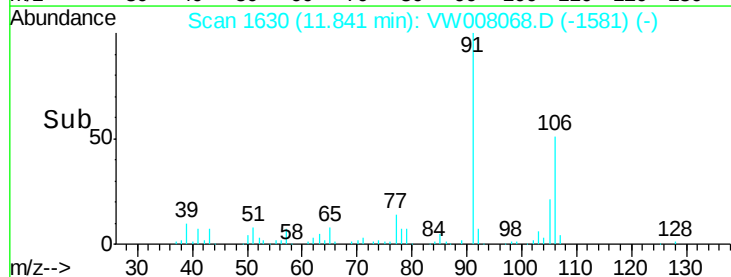
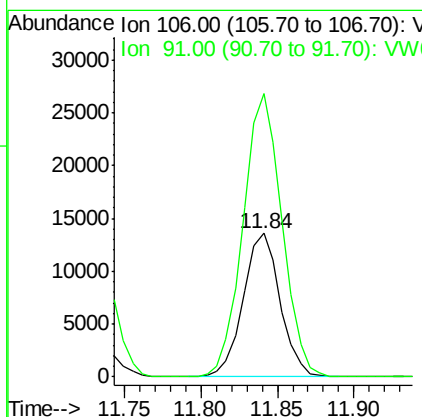
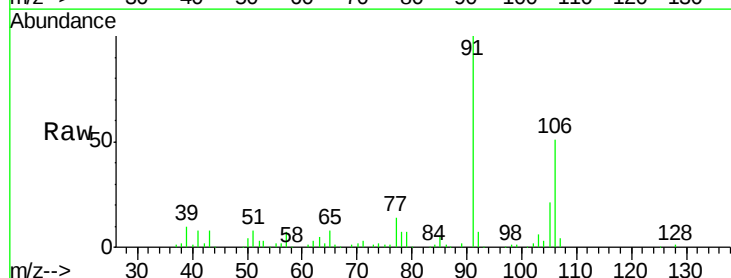
Instrument :
MSVOA_W
ClientSampled :
EO-02-010419-B

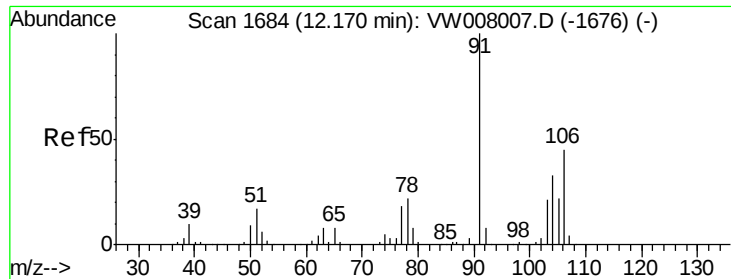
Tot Ion: 91 Resp: 15728
Ion Ratio Lower Upper
91 100
106 34.1 24.3 36.5



#68
m/p-Xylenes
Concen: 21.165 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008068.D
Acq: 07 Jan 2019 14:35

Tgt Ion: 106 Resp: 22890
Ion Ratio Lower Upper
106 100
91 207.3 165.8 248.8

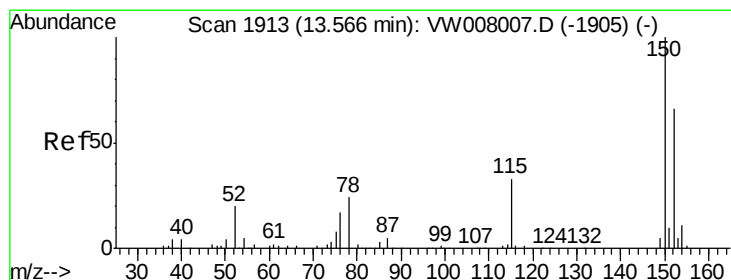
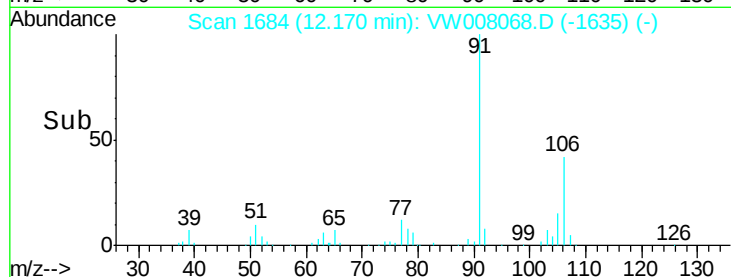
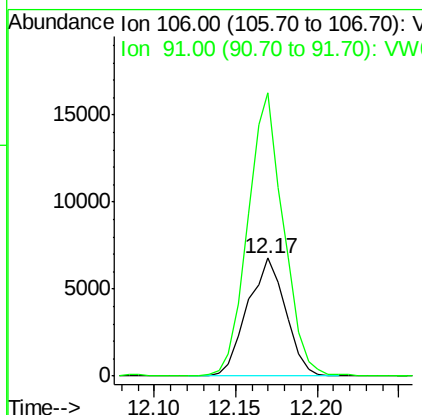
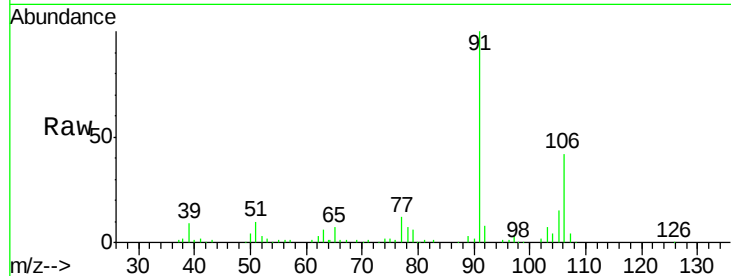




#69
o-Xylene
Concen: 10.927 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008068.D
Acq: 07 Jan 2019 14:35

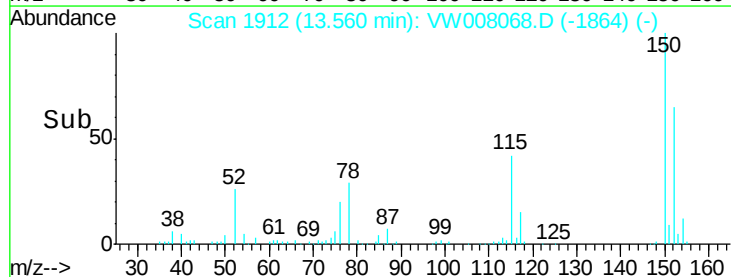
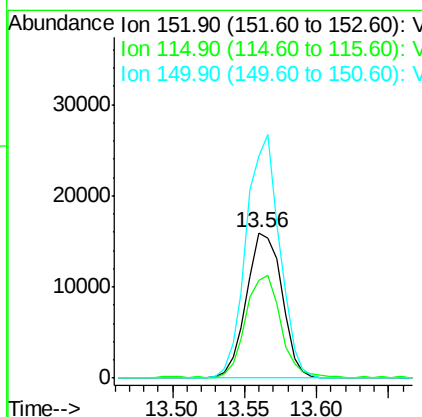
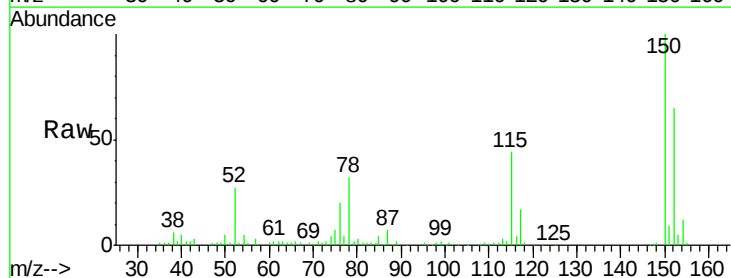
Instrument :
MSVOA_W
ClientSampleId :
EO-02-010419-B

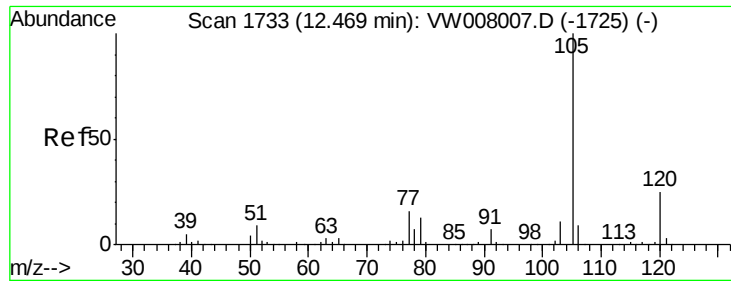
Tot Ion:106 Resp: 10996
Ion Ratio Lower Upper
106 100
91 224.6 110.6 331.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW008068.D
Acq: 07 Jan 2019 14:35

Tgt Ion:152 Resp: 27134
Ion Ratio Lower Upper
152 100
115 68.4 32.1 96.5
150 157.4 0.0 345.0





#73

Isopropylbenzene

Concen: 1.156 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008068.D

Acq: 07 Jan 2019 14:35

Instrument :

MSVOA_W

ClientSampleId :

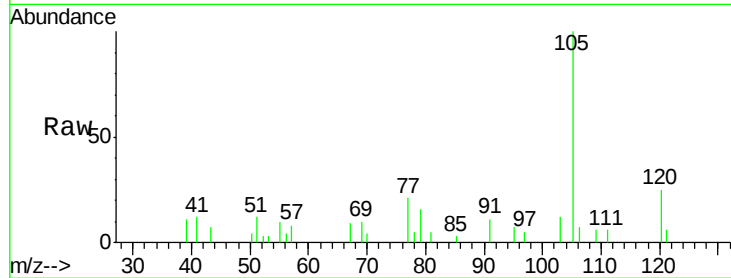
EO-02-010419-B

Tot Ion:105 Resp: 2494

Ion Ratio Lower Upper

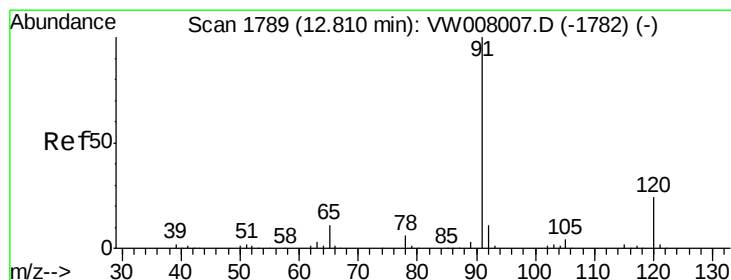
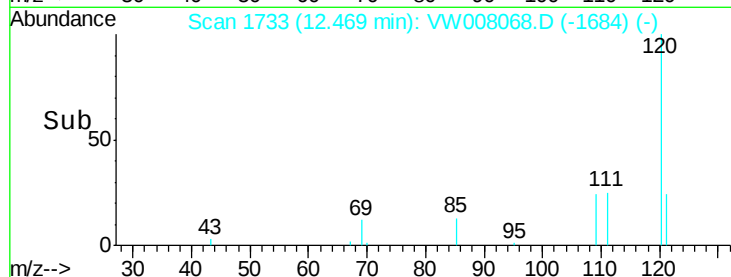
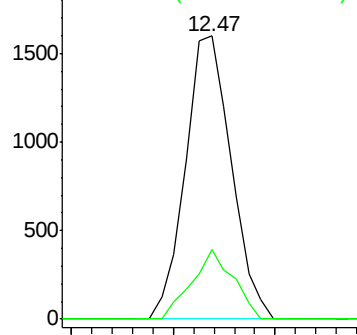
105 100

120 22.2 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 1.679 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008068.D

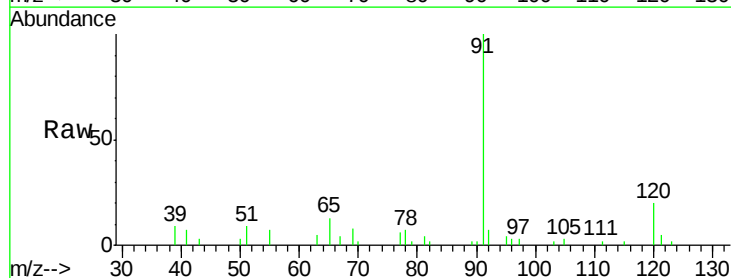
Acq: 07 Jan 2019 14:35

Tgt Ion: 91 Resp: 4201

Ion Ratio Lower Upper

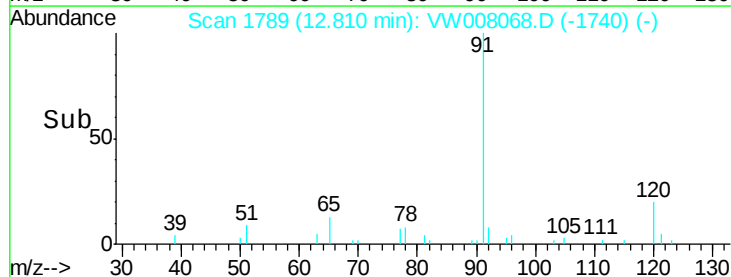
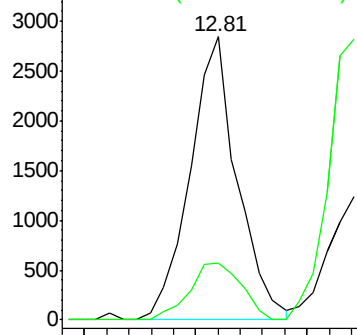
91 100

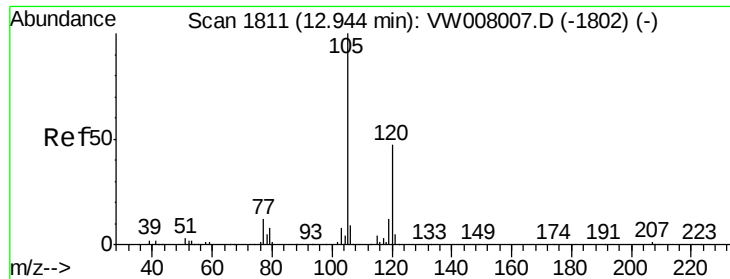
120 22.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

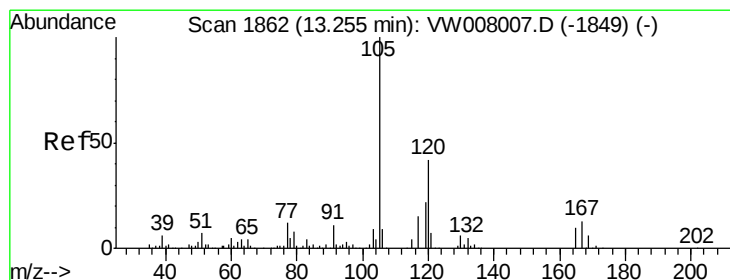
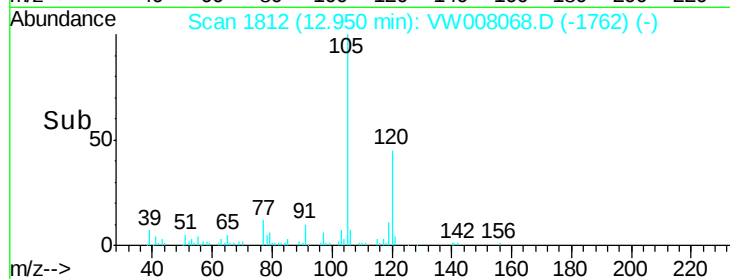
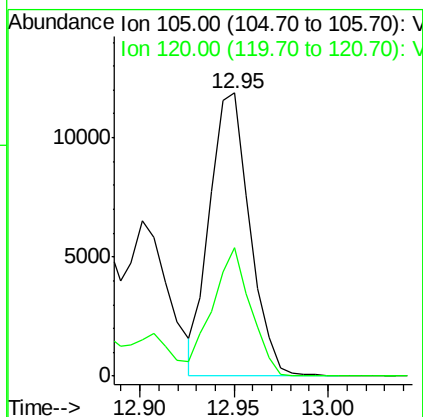
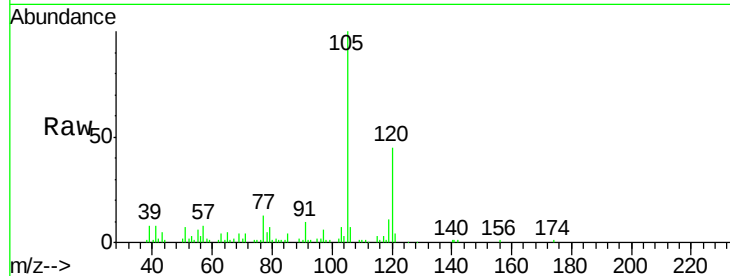




#80
 1,3,5-Trimethylbenzene
 Concen: 9.447 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW008068.D
 Acq: 07 Jan 2019 14:35

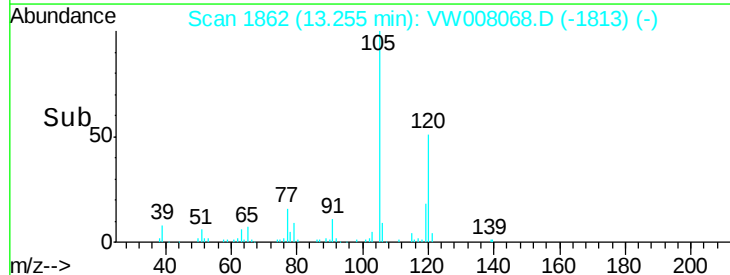
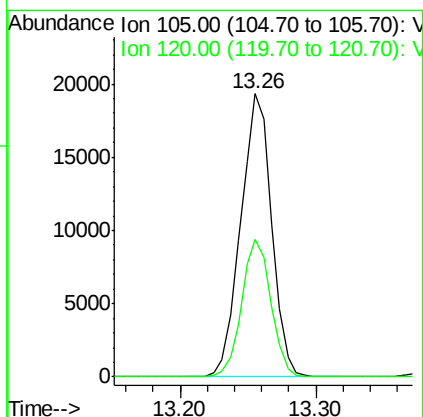
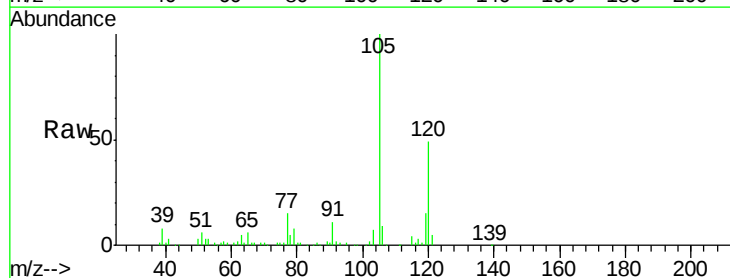
Instrument :
 MSVOA_W
 ClientSampleId :
 EO-02-010419-B

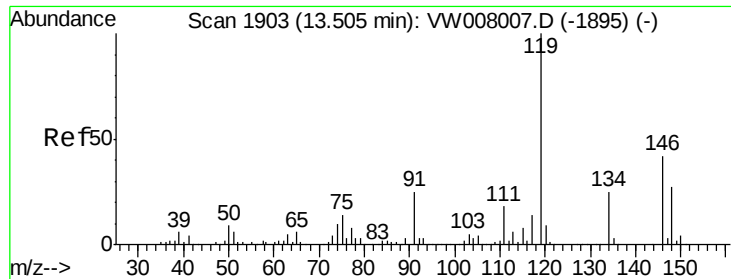
Tot Ion:105 Resp: 17546
 Ion Ratio Lower Upper
 105 100
 120 42.9 23.3 69.9



#84
 1,2,4-Trimethylbenzene
 Concen: 16.264 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008068.D
 Acq: 07 Jan 2019 14:35

Tgt Ion:105 Resp: 30595
 Ion Ratio Lower Upper
 105 100
 120 45.8 21.5 64.5

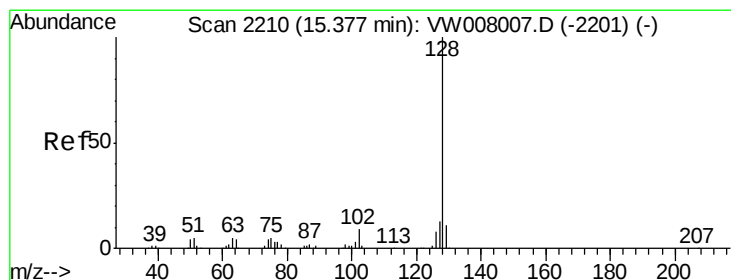
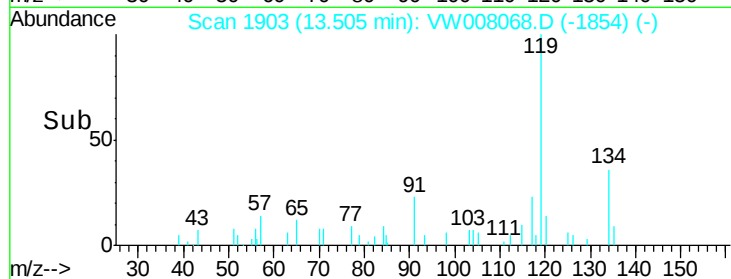
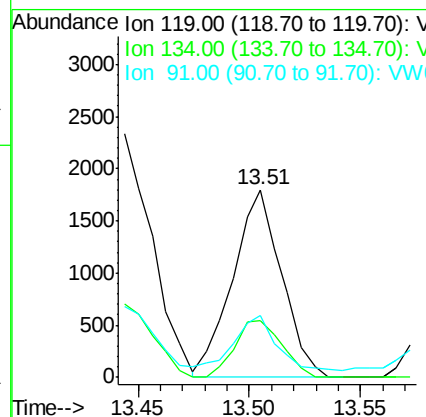
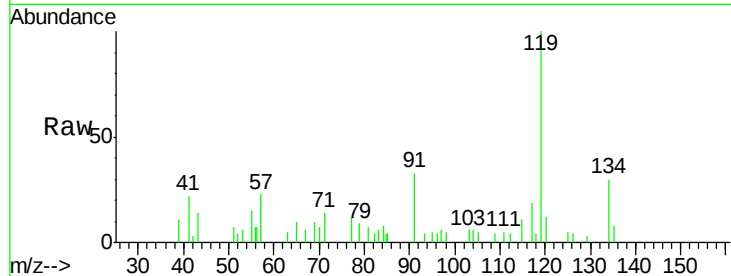




#86
p-Isopropyltoluene
Concen: 1.364 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. -0.00 min
Lab File: VW008068.D
Acq: 07 Jan 2019 14:35

Instrument :
MSVOA_W
ClientSampleId :
EO-02-010419-B

Tot Ion:119 Resp: 2751
Ion Ratio Lower Upper
119 100
134 29.3 12.5 37.5
91 25.7 13.1 39.3



#95
Naphthalene
Concen: 103.907 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW008068.D
Acq: 07 Jan 2019 14:35

Tgt Ion:128 Resp: 102201
Ion Ratio Lower Upper
128 100
127 14.1 10.8 16.2
129 11.1 8.8 13.2

