

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008869.D
 Acq On : 27 Feb 2019 21:43
 Operator : SY/VA
 Sample : K1350-13
 Misc : 8.18G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-022619-B

Quant Time: Feb 28 08:01:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	249428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	378161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	304342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	115844	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	134555	57.52	ug/l	0.00
Spiked Amount			Recovery	=	115.04%	
35) Dibromofluoromethane	7.88	113	112456	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
50) Toluene-d8	10.32	98	428176	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	12.62	95	130739	38.10	ug/l	0.00
Spiked Amount			Recovery	=	76.20%	

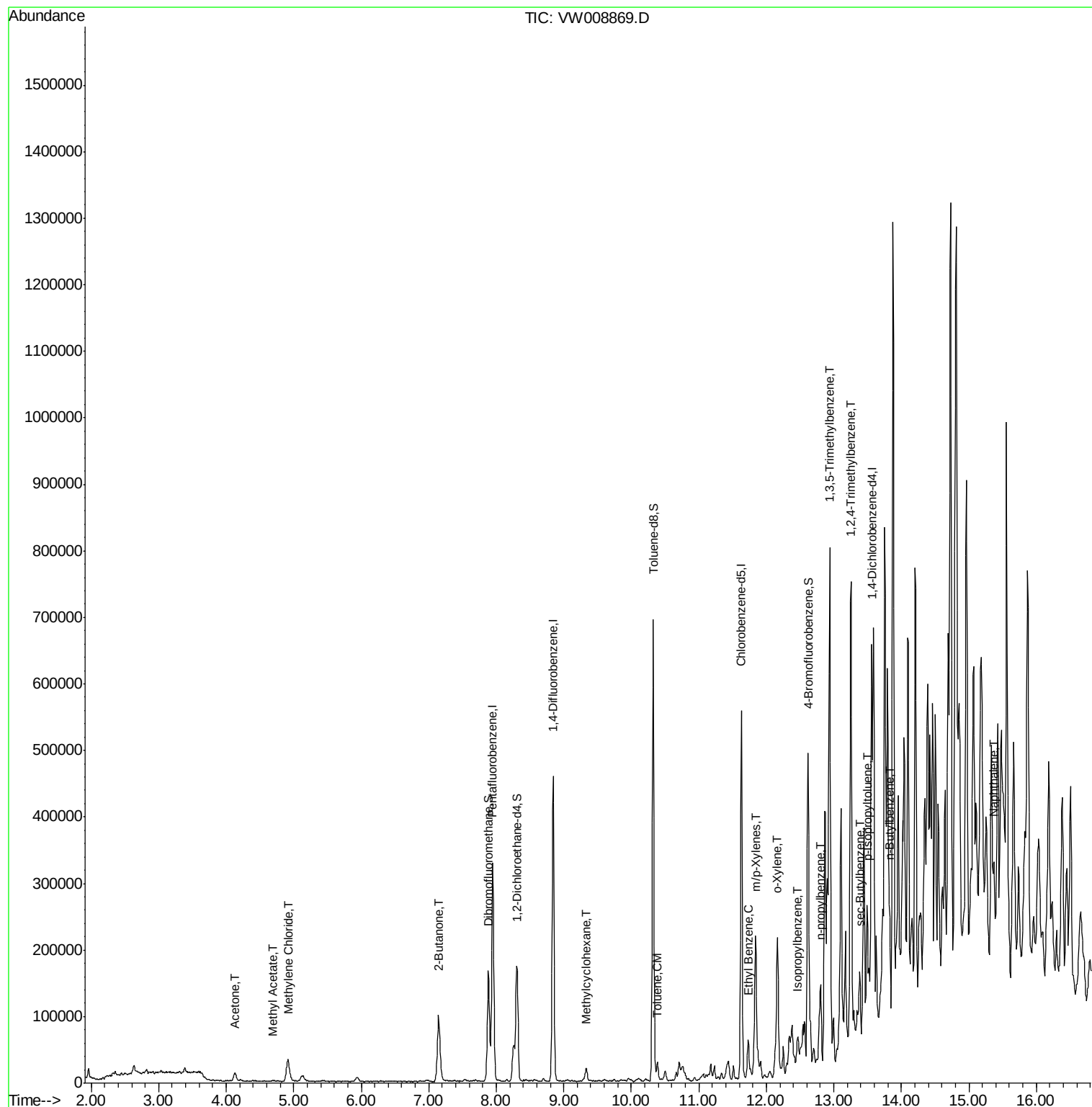
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	21267	39.219	ug/l	99
18) Methyl Acetate	4.68	43	2946	2.291	ug/l #	83
20) Methylene Chloride	4.92	84	23355	4.048	ug/l	88
25) 2-Butanone	7.15	43	8027	10.588	ug/l #	84
39) Methylcyclohexane	9.33	83	7139	1.555	ug/l	97
52) Toluene	10.38	92	11315	1.659	ug/l	98
67) Ethyl Benzene	11.73	91	36166	3.161	ug/l	98
68) m/p-Xylenes	11.84	106	36455	7.976	ug/l	97
69) o-Xylene	12.16	106	50016	11.658	ug/l	96
73) Isopropylbenzene	12.47	105	23408	2.948	ug/l	99
78) n-propylbenzene	12.80	91	87262	8.983	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	163294	23.661	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	374835	52.468	ug/l	98
85) sec-Butylbenzene	13.38	105	51442	5.995	ug/l	88
86) p-Isopropyltoluene	13.50	119	48146	6.121	ug/l	99
89) n-Butylbenzene	13.83	91	78918	10.709	ug/l #	79
95) Naphthalene	15.37	128	72214	16.967	ug/l #	92

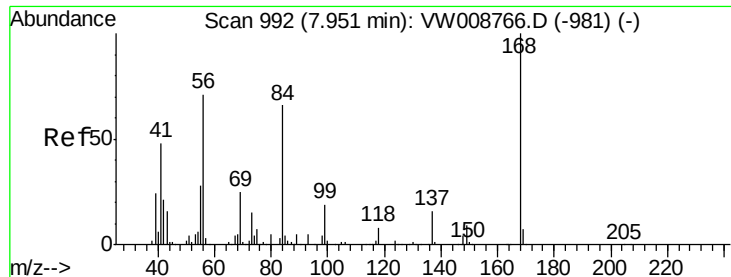
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Instrument :

MSVOA_W

ClientSampleId :

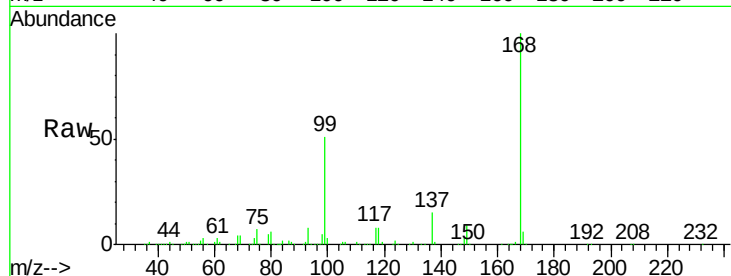
EO-01-022619-B

Tot Ion:168 Resp: 249428

Ion Ratio Lower Upper

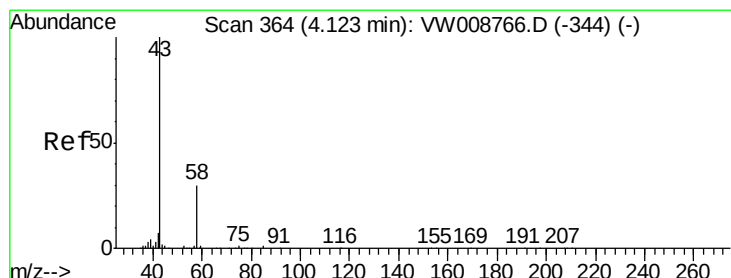
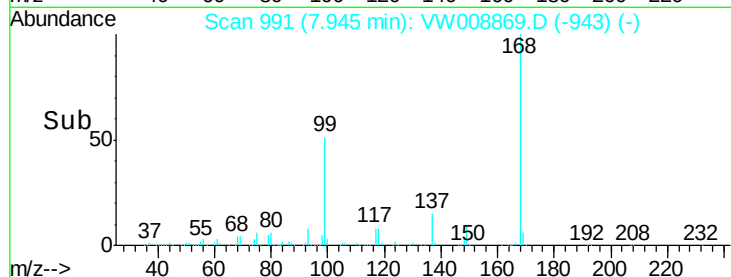
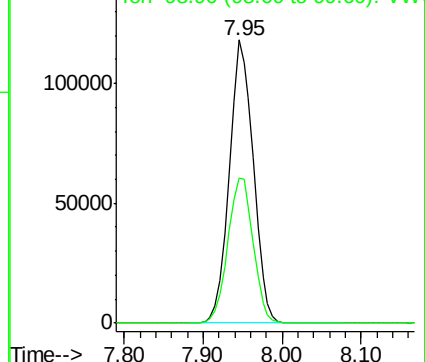
168 100

99 51.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 39.219 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW008869.D

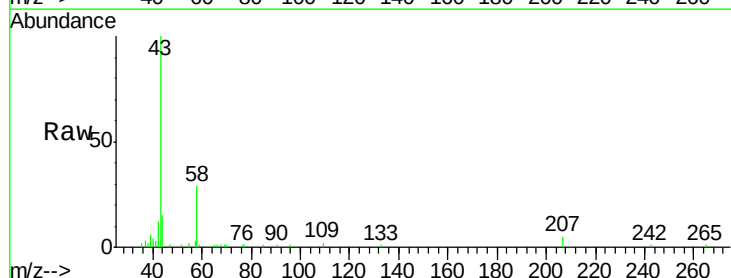
Acq: 27 Feb 2019 21:43

Tgt Ion: 43 Resp: 21267

Ion Ratio Lower Upper

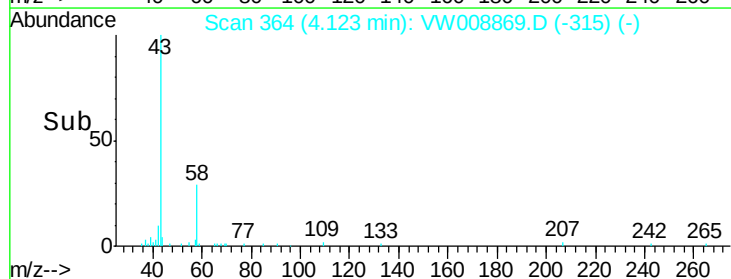
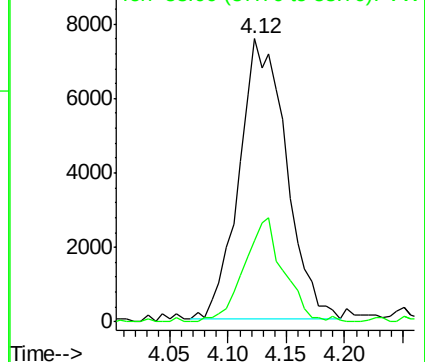
43 100

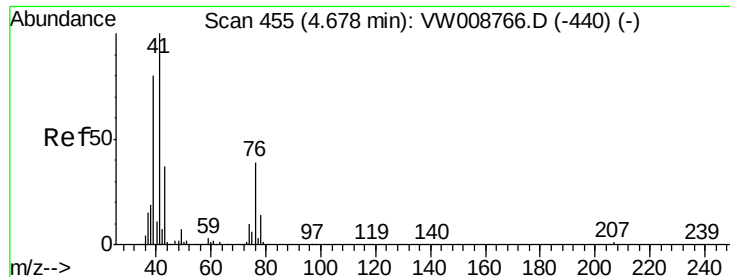
58 29.1 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#18

Methyl Acetate

Concen: 2.291 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Instrument :

MSVOA_W

ClientSampleId :

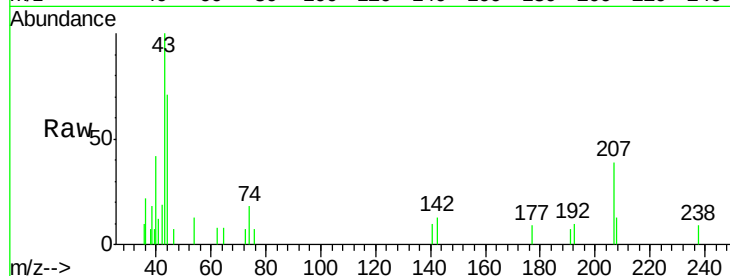
EO-01-022619-B

Tot Ion: 43 Resp: 2946

Ion Ratio Lower Upper

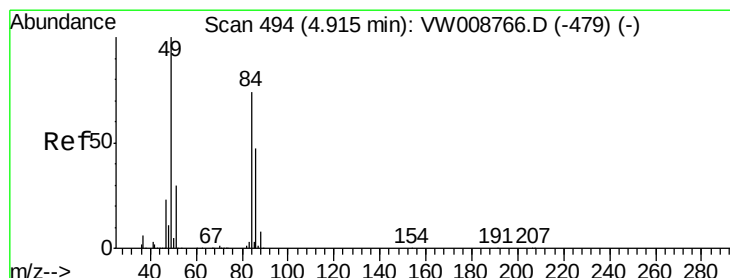
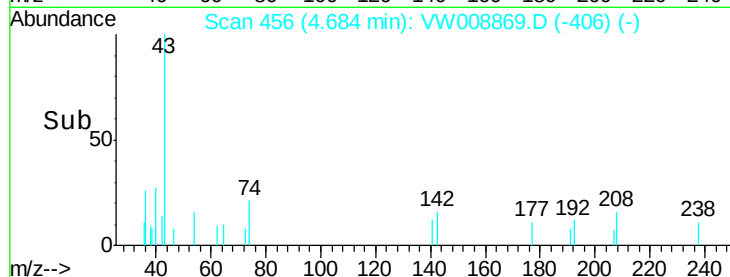
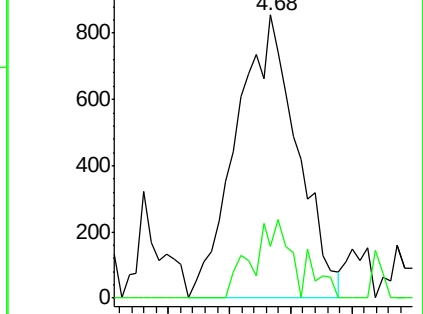
43 100

74 16.1 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#20

Methylene Chloride

Concen: 4.048 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Tgt Ion: 84 Resp: 23355

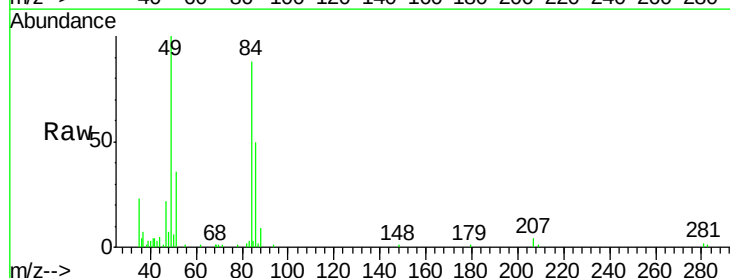
Ion Ratio Lower Upper

84 100

49 113.6 108.2 162.2

51 40.7 32.7 49.1

86 56.4 50.3 75.5

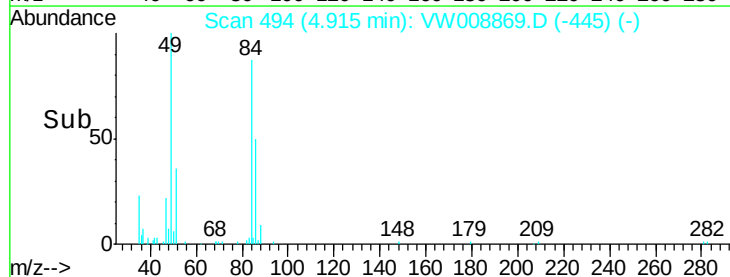
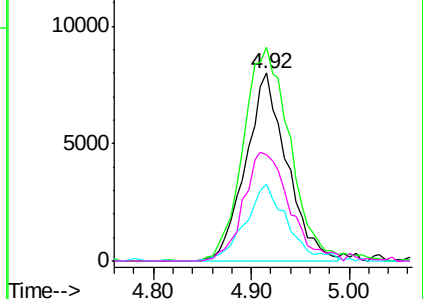


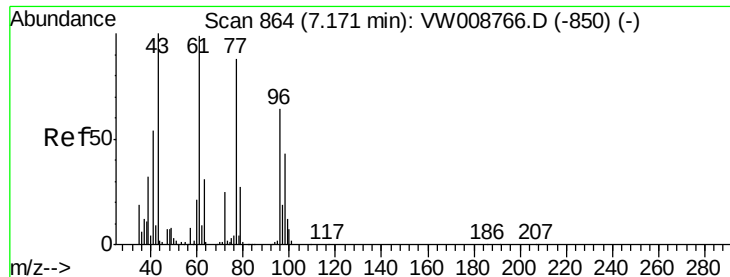
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 10.588 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Instrument :

MSVOA_W

ClientSampleId :

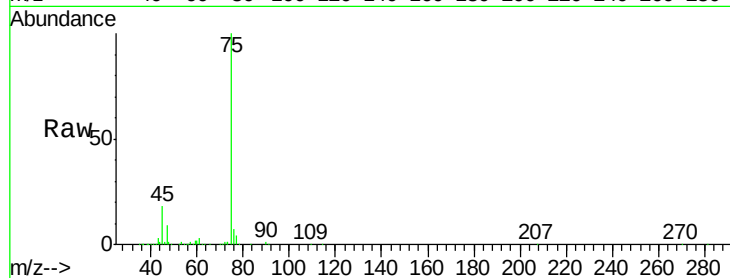
EO-01-022619-B

Tot Ion: 43 Resp: 8027

Ion Ratio Lower Upper

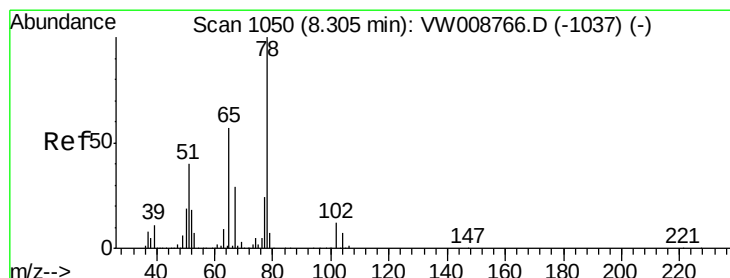
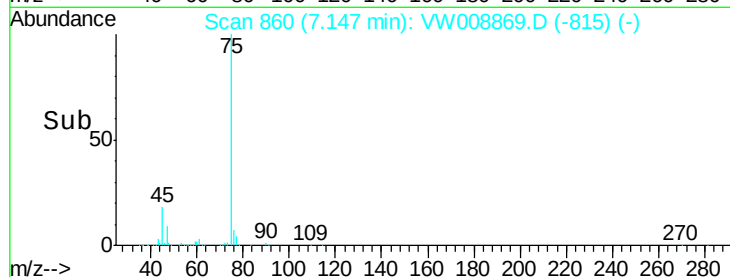
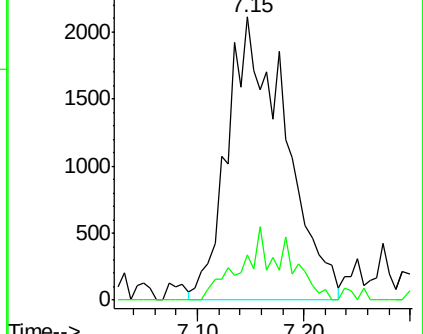
43 100

72 16.5 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#33

1,2-Dichloroethane-d4

Concen: 57.517 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008869.D

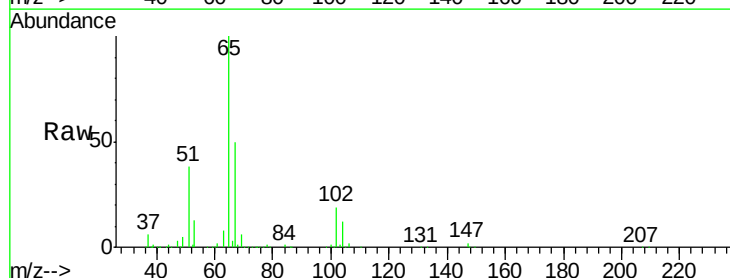
Acq: 27 Feb 2019 21:43

Tgt Ion: 65 Resp: 134555

Ion Ratio Lower Upper

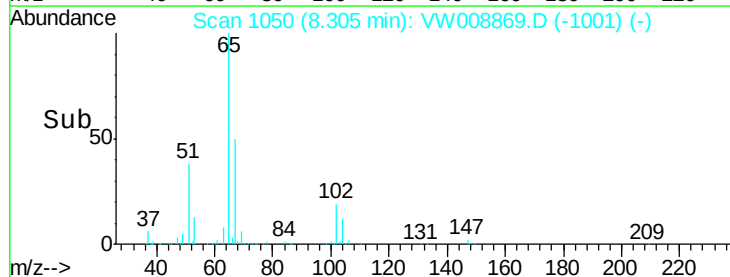
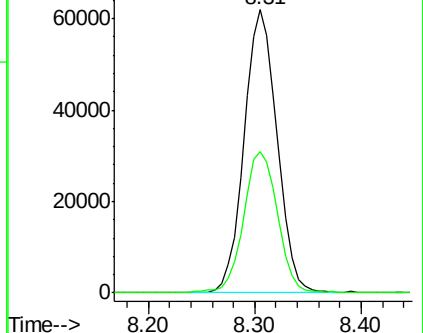
65 100

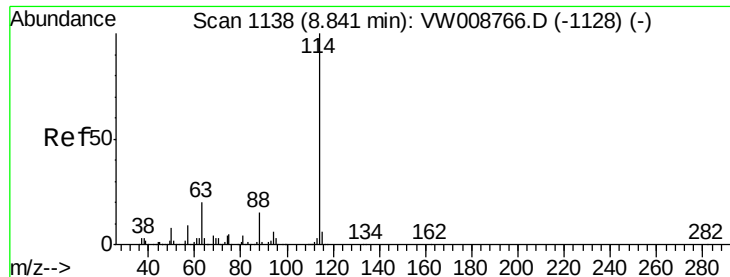
67 51.6 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

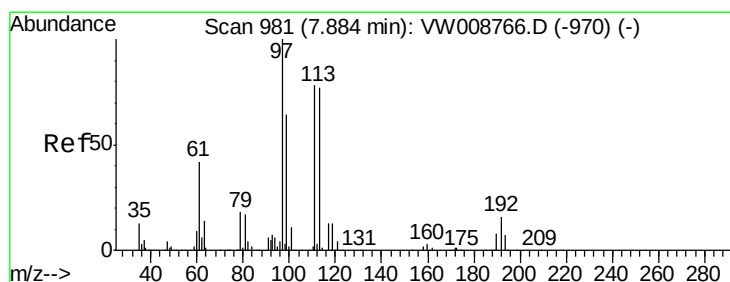
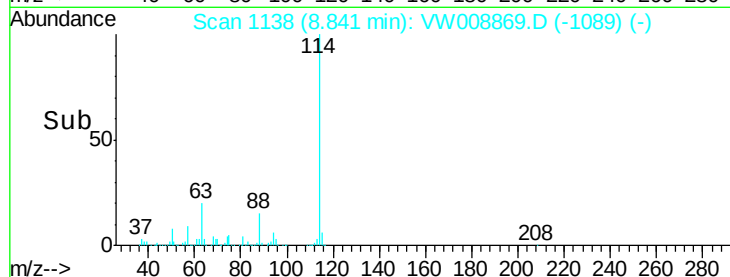
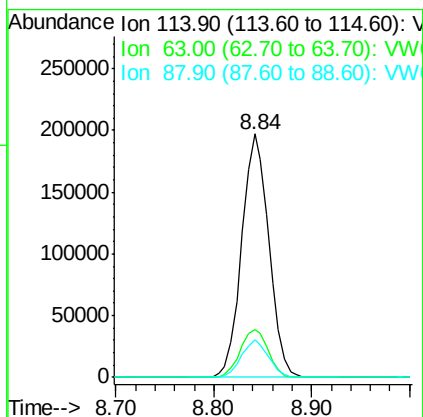
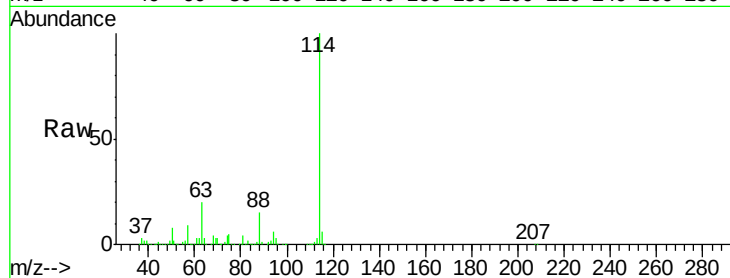




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

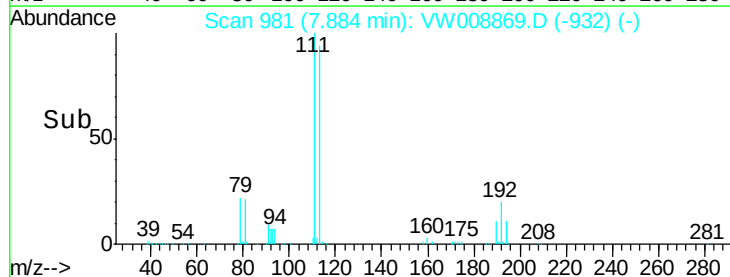
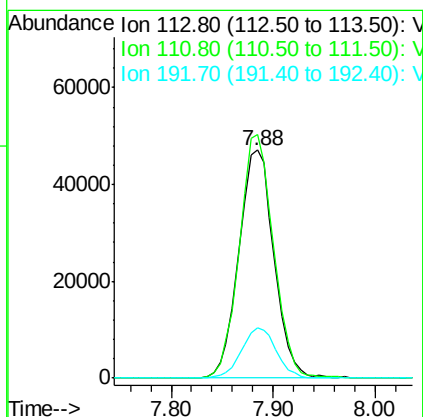
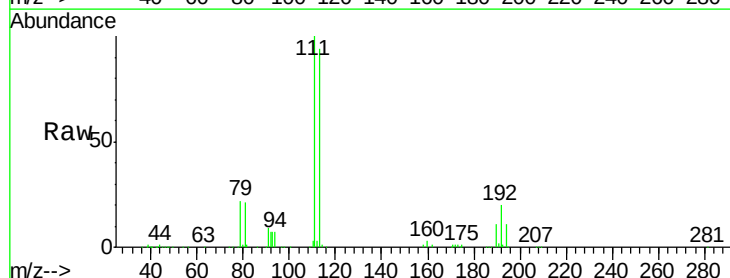
Instrument :
MSVOA_W
ClientSampleId :
EO-01-022619-B

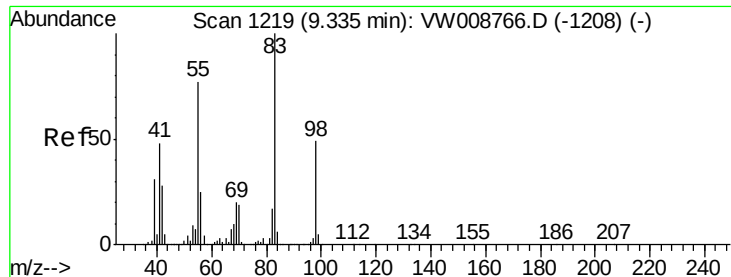
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.8
88	15.4	0.0	30.4



#35
Dibromofluoromethane
Concen: 49.529 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.9	122.9
192	21.9	17.1	25.7

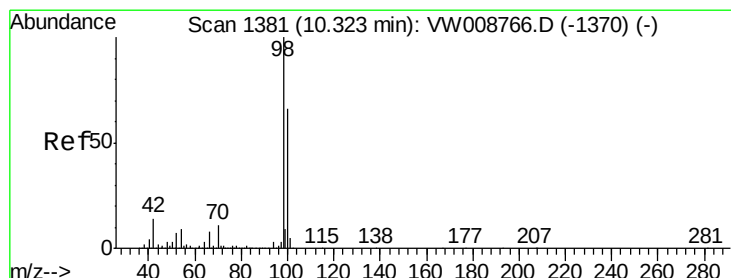
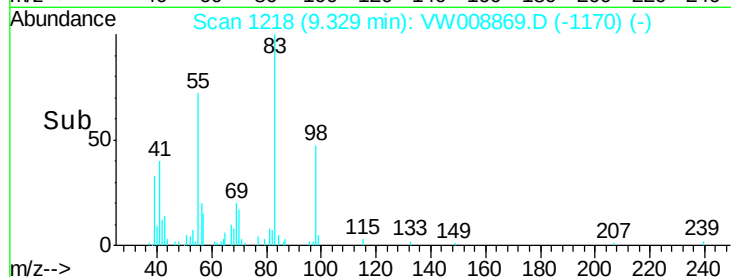
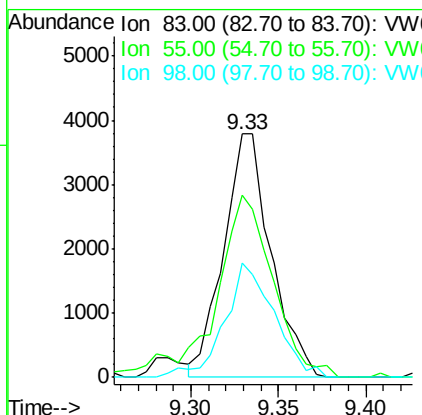
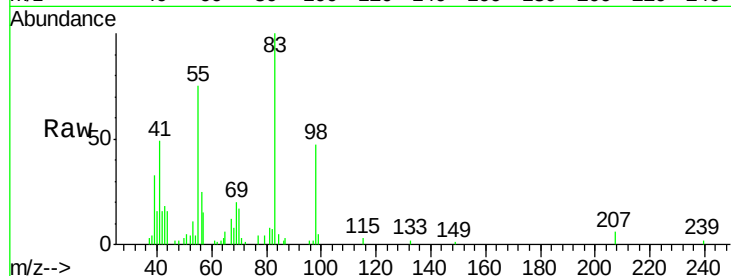




#39
Methylvlcyclohexane
Concen: 1.555 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

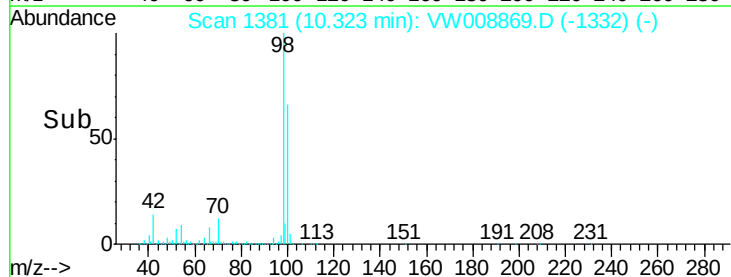
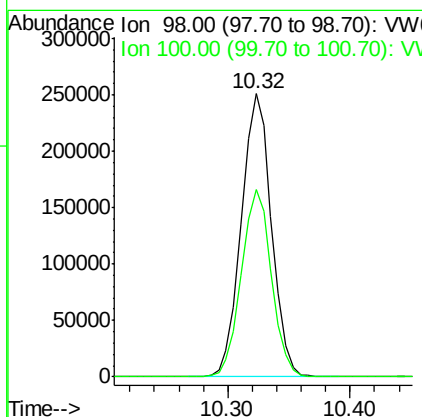
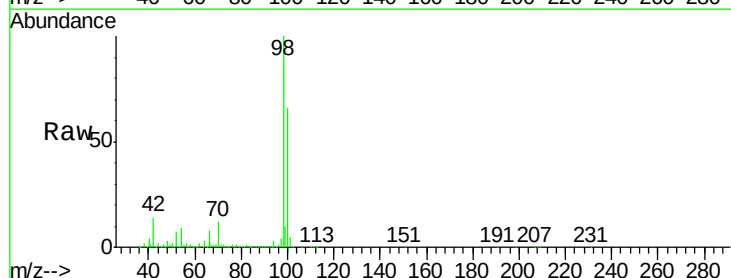
Instrument :
MSVOA_W
ClientSampleId :
EO-01-022619-B

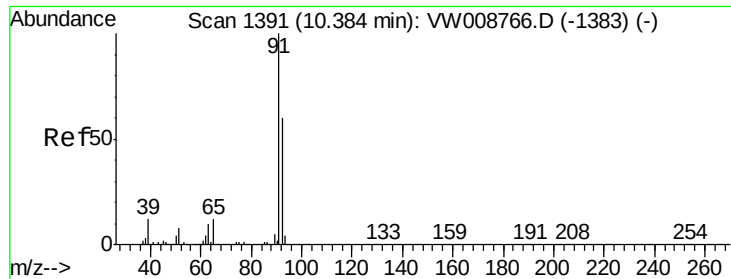
Tot Ion: 83 Resp: 7139
Ion Ratio Lower Upper
83 100
55 74.8 61.2 91.8
98 47.0 39.4 59.2



#50
Toluene-d8
Concen: 48.851 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

Tgt Ion: 98 Resp: 428176
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6





#52

Toluene

Concen: 1.659 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Instrument :

MSVOA_W

ClientSampleId :

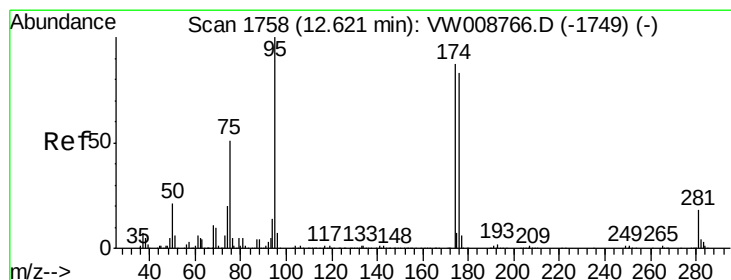
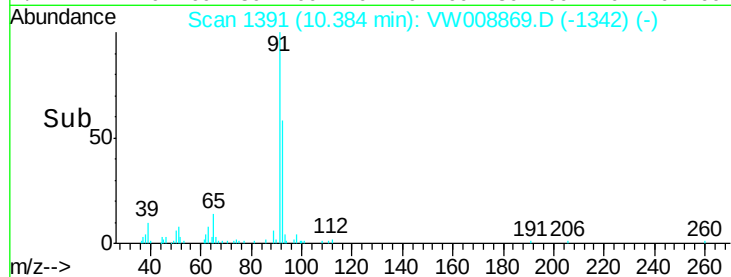
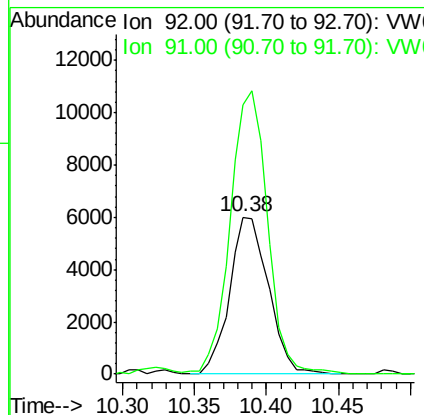
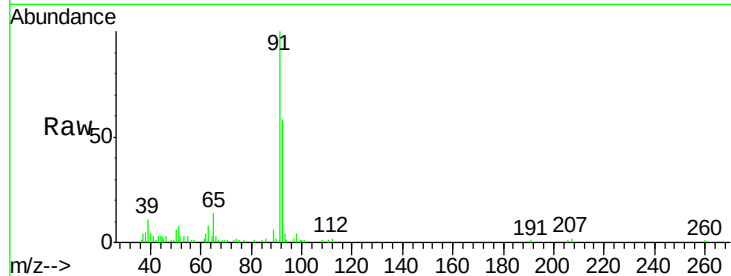
EO-01-022619-B

Tot Ion: 92 Resp: 11315

Ion Ratio Lower Upper

92 100

91 173.3 136.9 205.3



#62

4-Bromofluorobenzene

Concen: 38.096 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

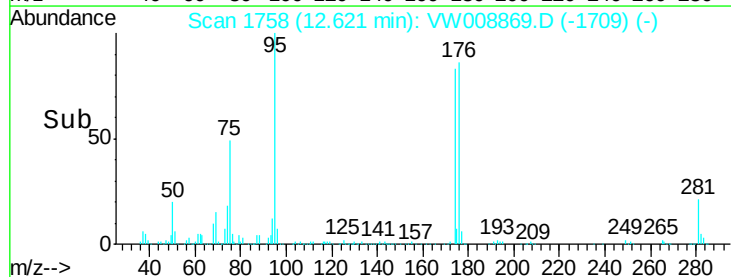
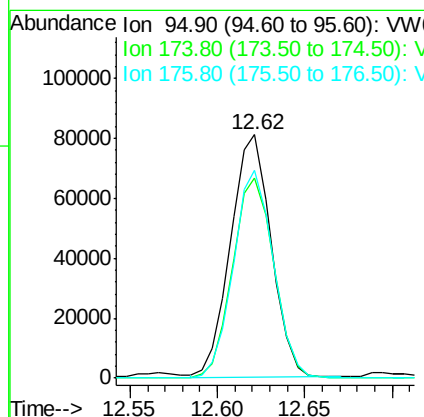
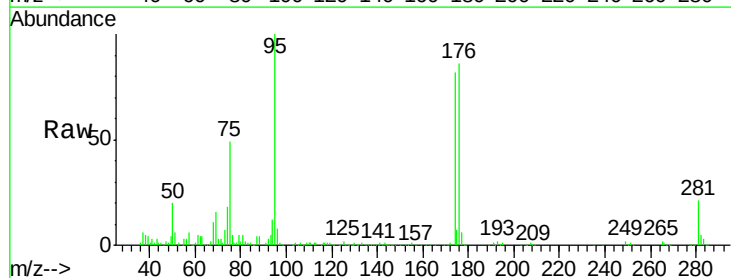
Tgt Ion: 95 Resp: 130739

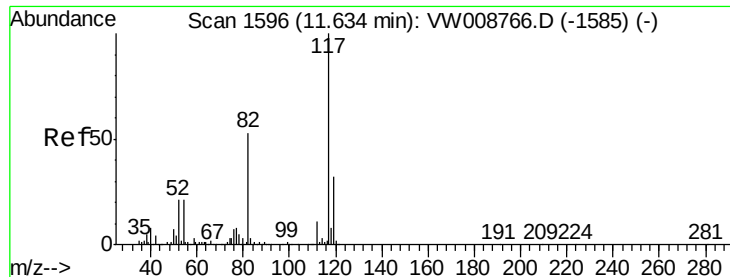
Ion Ratio Lower Upper

95 100

174 84.0 0.0 169.2

176 84.5 0.0 163.6

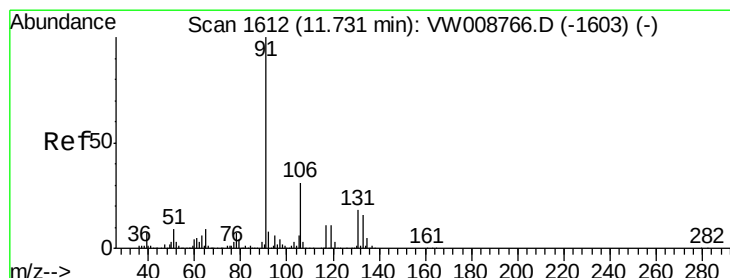
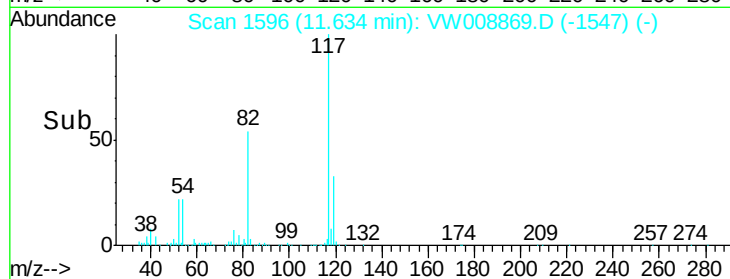
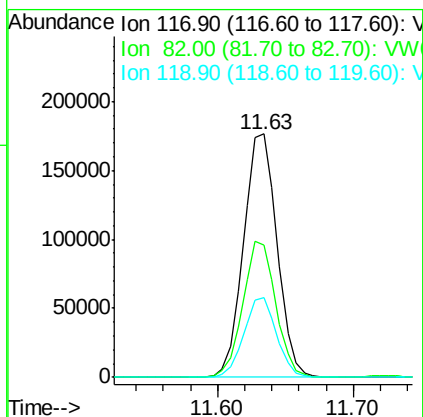
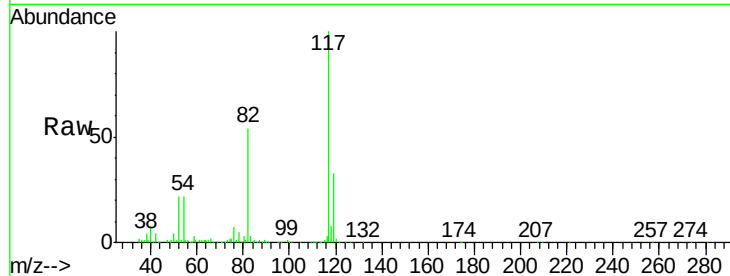




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

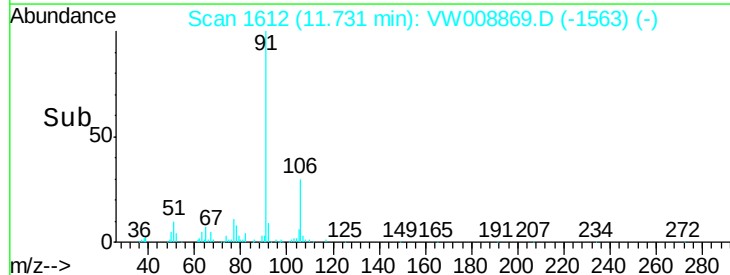
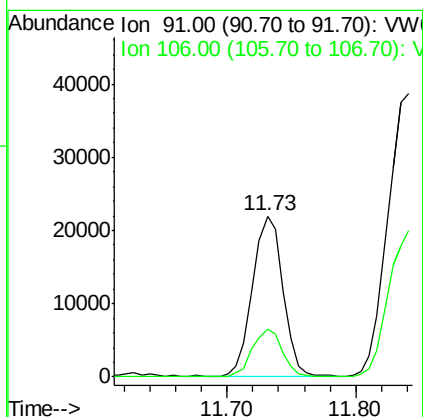
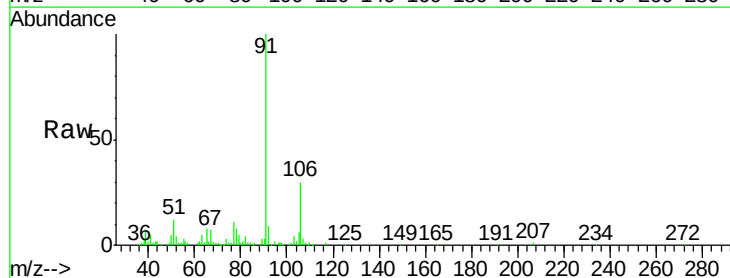
Instrument :
MSVOA_W
ClientSampleId :
EO-01-022619-B

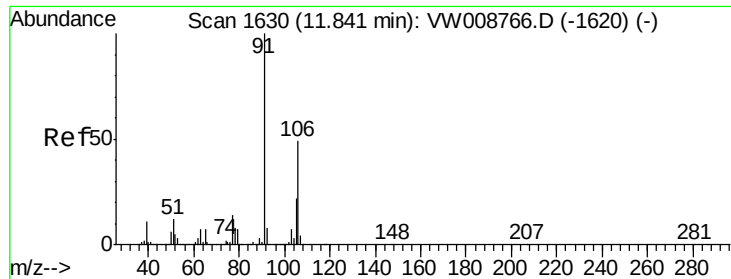
Tot Ion:117 Resp: 304342
Ion Ratio Lower Upper
117 100
82 53.9 42.2 63.4
119 32.8 25.9 38.9



#67
Ethyl Benzene
Concen: 3.161 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

Tgt Ion: 91 Resp: 36166
Ion Ratio Lower Upper
91 100
106 30.0 25.0 37.6

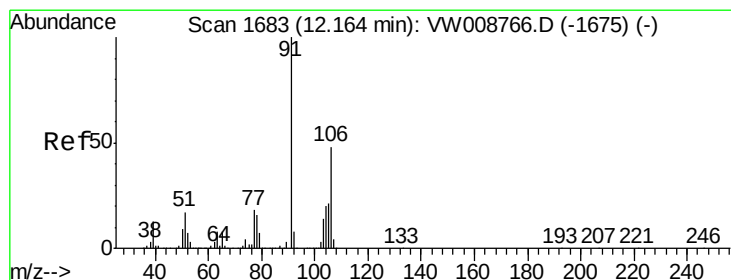
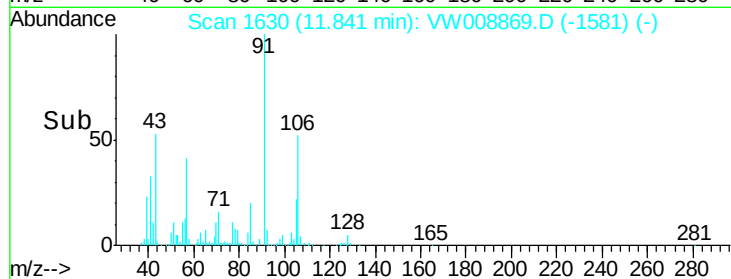
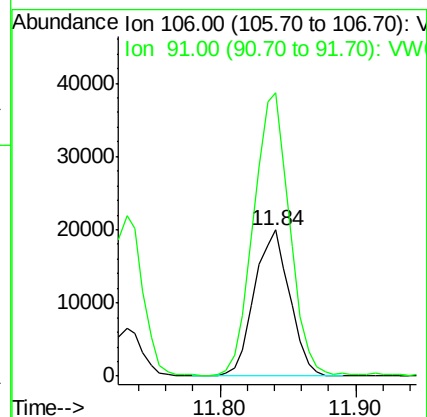
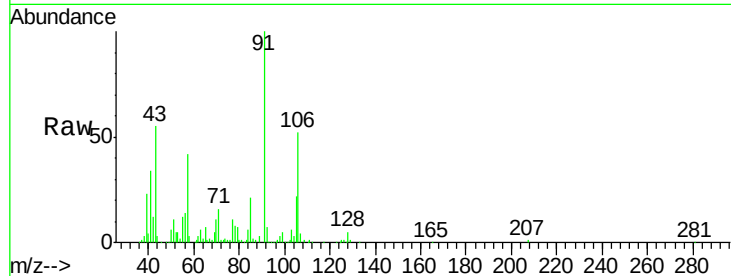




#68
m/p-Xylenes
Concen: 7.976 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

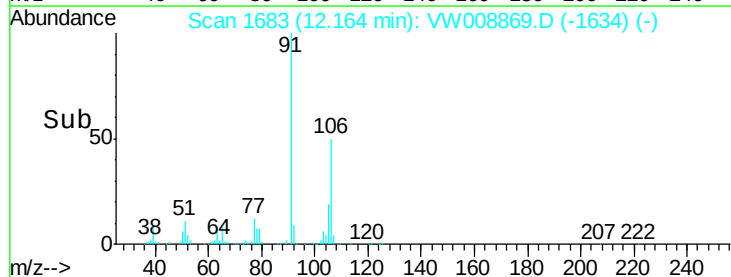
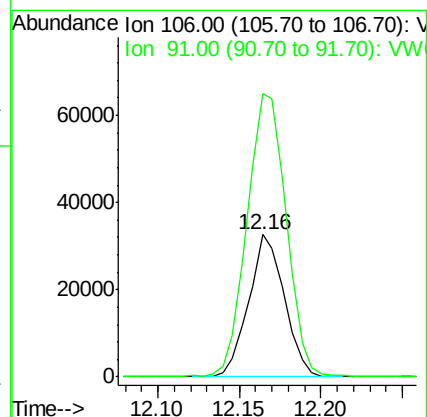
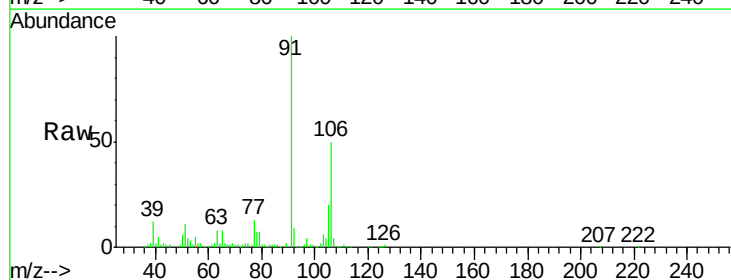
Instrument :
MSVOA_W
ClientSampleId :
EO-01-022619-B

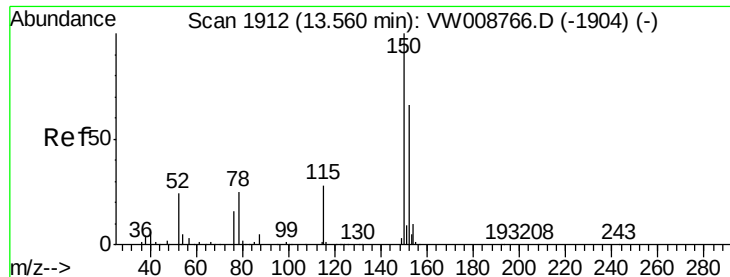
Tot Ion:106 Resp: 36455
Ion Ratio Lower Upper
106 100
91 197.9 161.5 242.3



#69
o-Xylene
Concen: 11.658 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008869.D
Acq: 27 Feb 2019 21:43

Tgt Ion:106 Resp: 50016
Ion Ratio Lower Upper
106 100
91 218.2 106.2 318.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Instrument :

MSVOA_W

ClientSampleId :

EO-01-022619-B

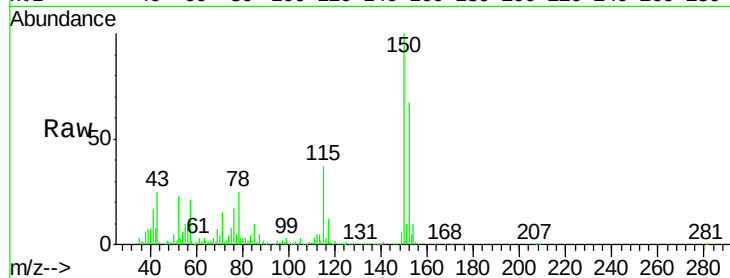
Tot Ion:152 Resp: 115844

Ion Ratio Lower Upper

152 100

115 68.0 28.6 85.8

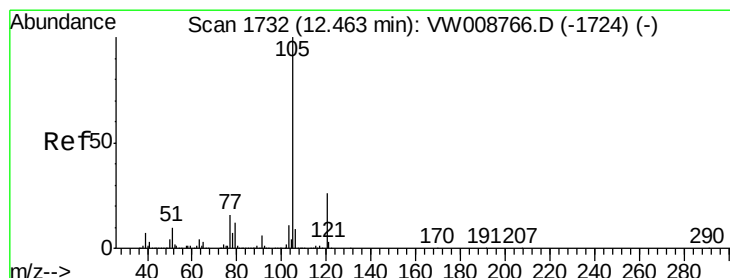
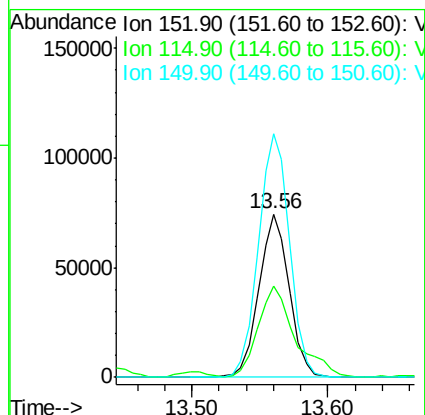
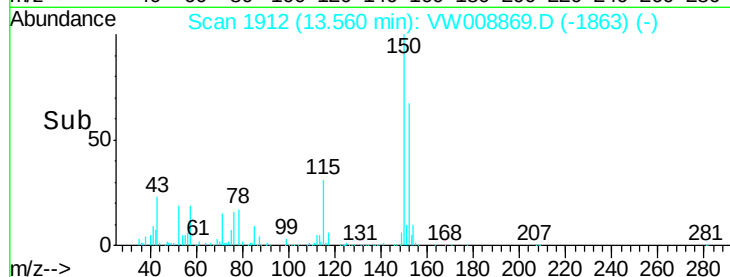
150 153.5 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 2.948 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008869.D

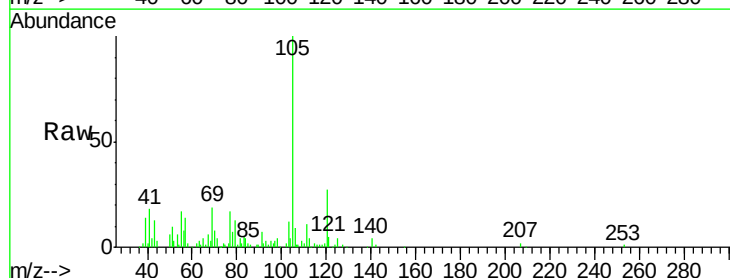
Acq: 27 Feb 2019 21:43

Tgt Ion:105 Resp: 23408

Ion Ratio Lower Upper

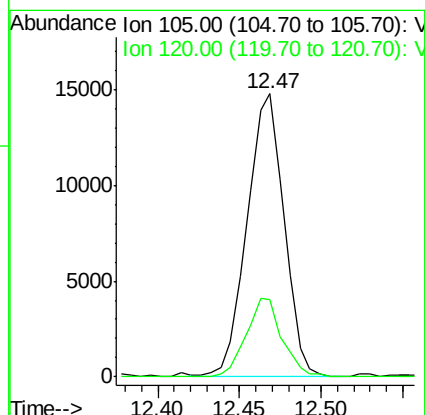
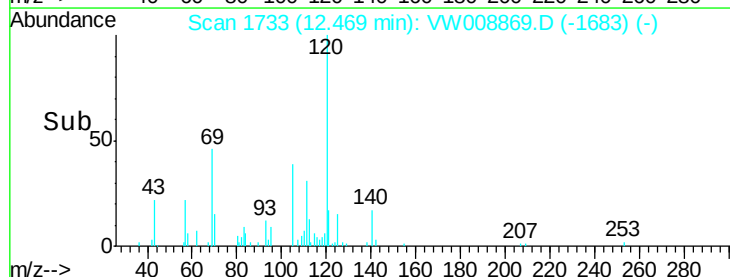
105 100

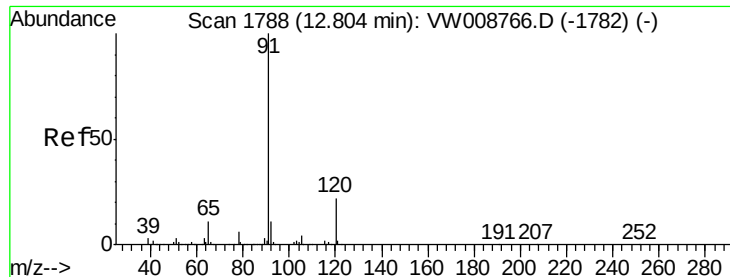
120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 8.983 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Instrument :

MSVOA_W

ClientSampleId :

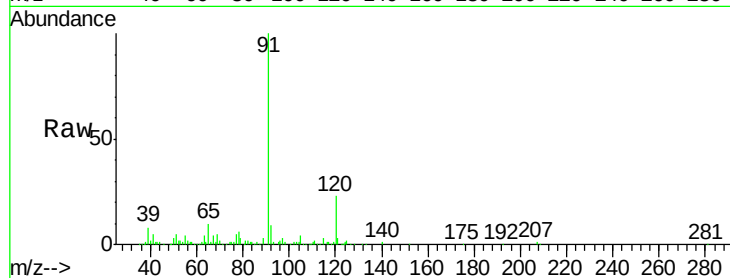
EO-01-022619-B

Tot Ion: 91 Resp: 87262

Ion Ratio Lower Upper

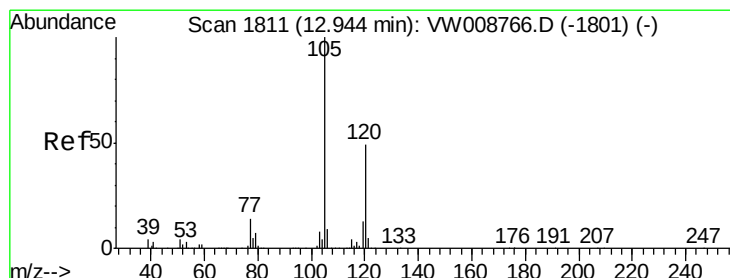
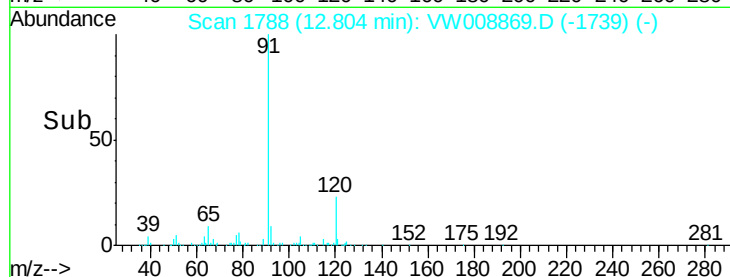
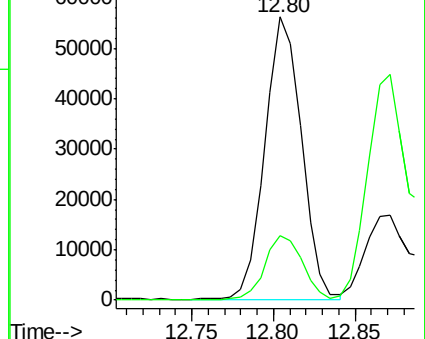
91 100

120 23.5 11.5 34.4



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: 23.661 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008869.D

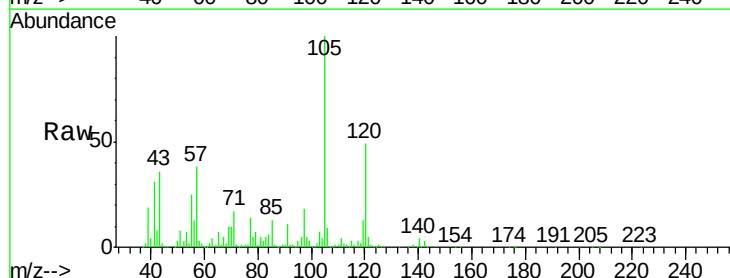
Acq: 27 Feb 2019 21:43

Tgt Ion: 105 Resp: 163294

Ion Ratio Lower Upper

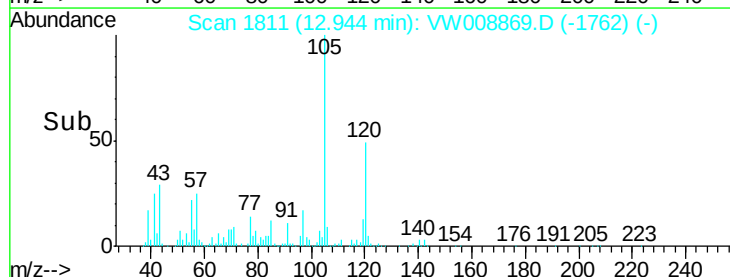
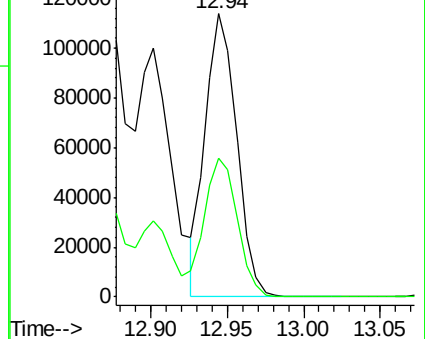
105 100

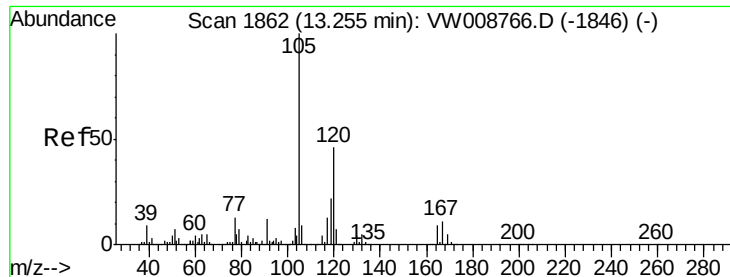
120 52.6 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

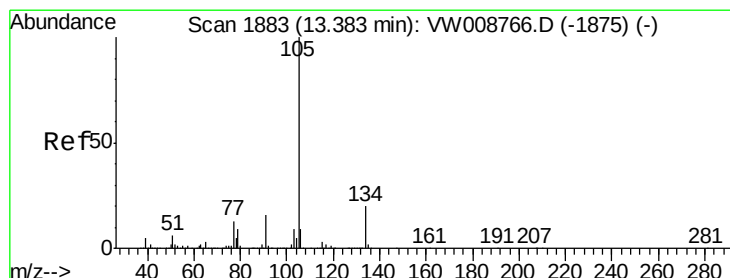
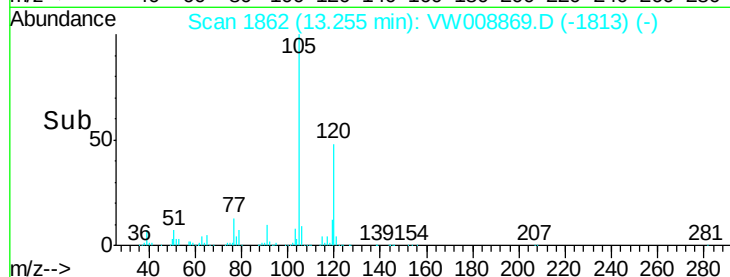
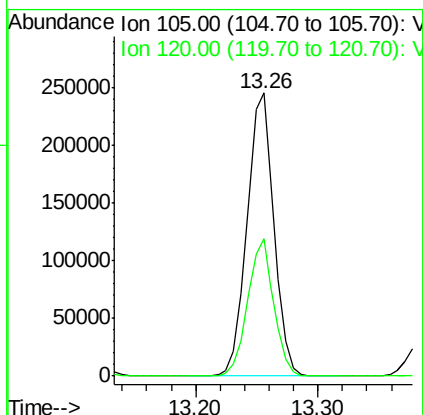
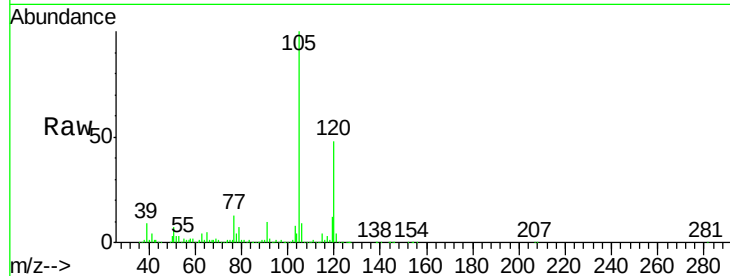




#84
 1,2,4-Trimethylbenzene
 Concen: 52.468 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008869.D
 Acq: 27 Feb 2019 21:43

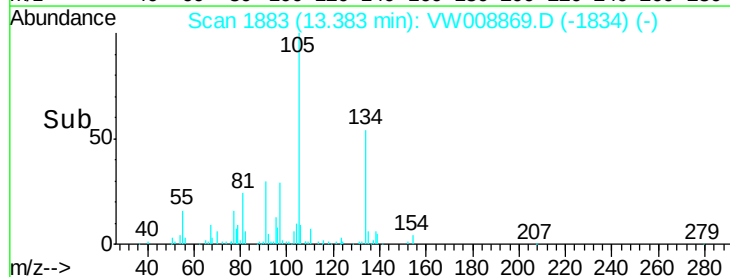
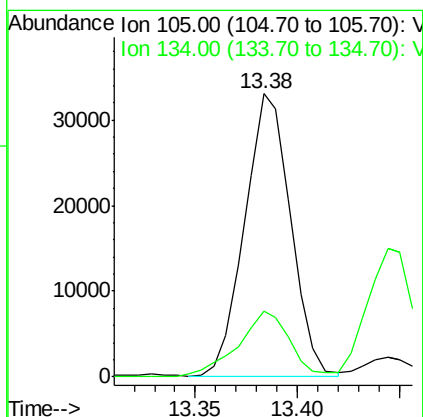
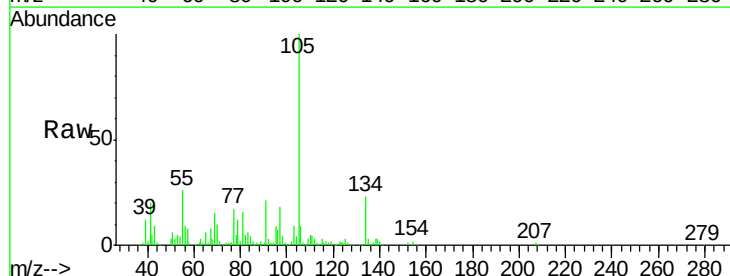
Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-022619-B

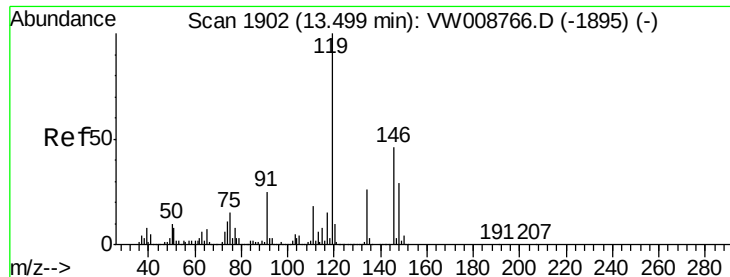
Tot Ion:105 Resp: 374835
 Ion Ratio Lower Upper
 105 100
 120 47.2 22.8 68.4



#85
 sec-Butylbenzene
 Concen: 5.995 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW008869.D
 Acq: 27 Feb 2019 21:43

Tgt Ion:105 Resp: 51442
 Ion Ratio Lower Upper
 105 100
 134 26.5 10.4 31.1

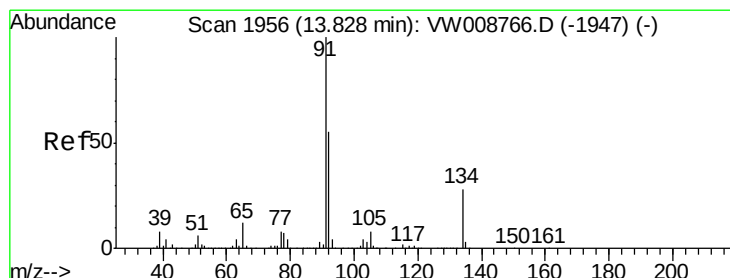
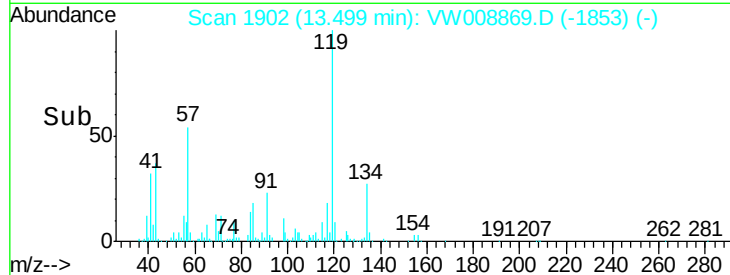
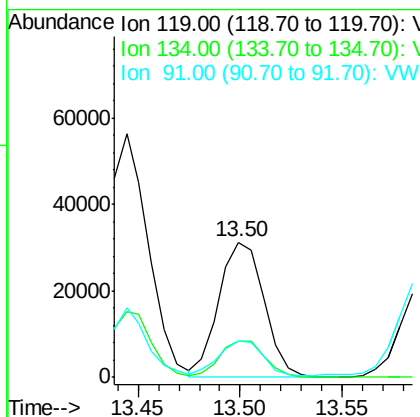
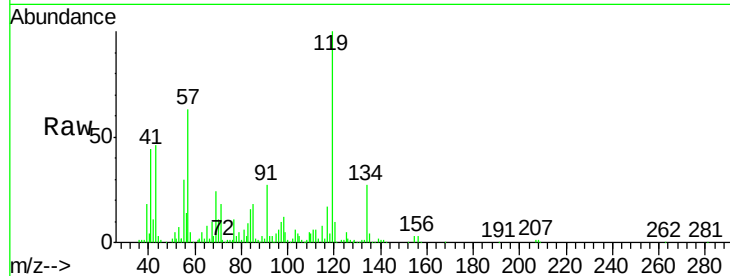




#86
 p-Isopropyltoluene
 Concen: 6.121 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008869.D
 Acq: 27 Feb 2019 21:43

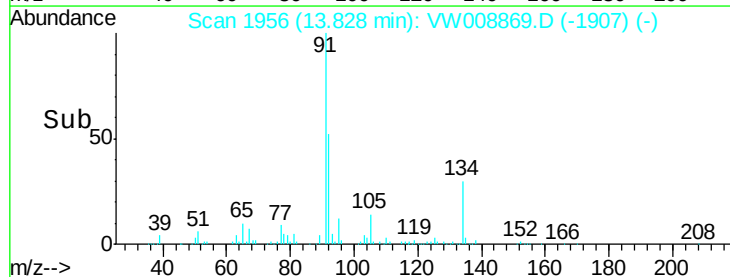
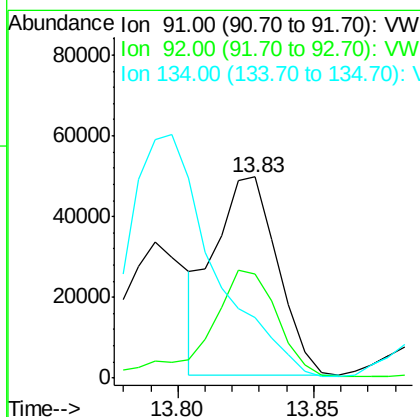
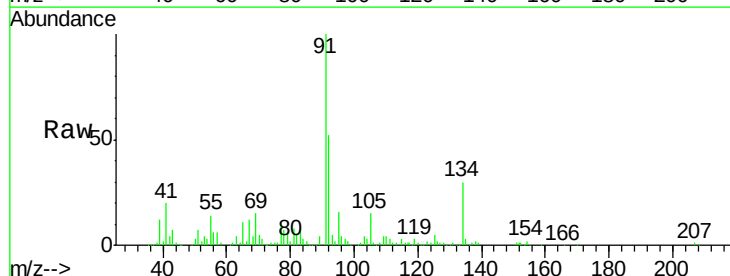
Instrument :
 MSVOA_W
 ClientSampled :
 EO-01-022619-B

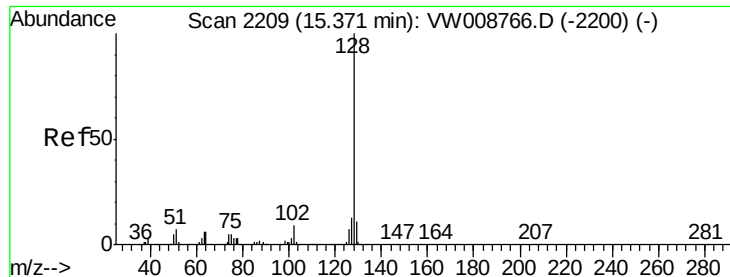
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.1	39.3
91	24.6	12.1	36.3



#89
 n-Butylbenzene
 Concen: 10.709 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW008869.D
 Acq: 27 Feb 2019 21:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.0	26.8	80.4
134	0.0	13.5	40.4#





#95

Naphthalene

Concen: 16.967 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008869.D

Acq: 27 Feb 2019 21:43

Instrument :

MSVOA_W

ClientSampleId :

EO-01-022619-B

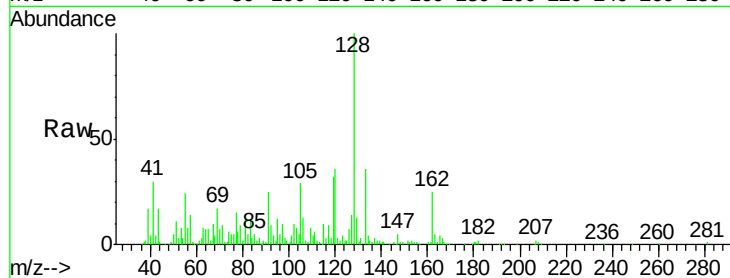
Tot Ion:128 Resp: 72214

Ion Ratio Lower Upper

128 100

127 9.7 10.8 16.2#

129 8.7 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

