

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009162.D
 Acq On : 13 Mar 2019 18:16
 Operator : SY/VA
 Sample : K1693-05
 Misc : 5.81G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-031219-A

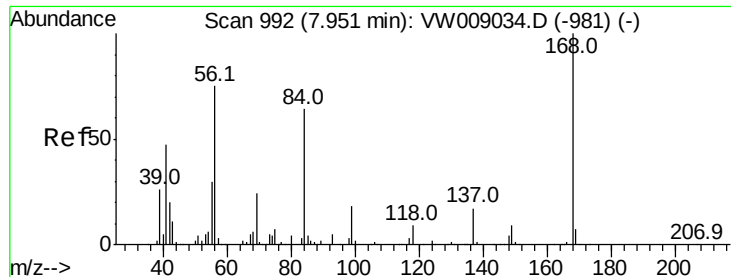
Quant Time: Mar 14 05:51:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	250749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	406856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	343290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	137812	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	152608	60.49	ug/l	0.00
Spiked Amount			Recovery	=	120.98%	
35) Dibromofluoromethane	7.88	113	126643	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
50) Toluene-d8	10.32	98	477763	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
62) 4-Bromofluorobenzene	12.62	95	151759	38.32	ug/l	0.00
Spiked Amount			Recovery	=	76.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	11001	19.324	ug/l	94
52) Toluene	10.39	92	65843	8.549	ug/l	99
67) Ethyl Benzene	11.73	91	24229	1.795	ug/l	97
68) m/p-Xylenes	11.83	106	43760	8.213	ug/l	99
69) o-Xylene	12.17	106	32106	6.476	ug/l	100
73) Isopropylbenzene	12.46	105	18078	1.832	ug/l	100
78) n-propylbenzene	12.80	91	82077	6.752	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	98088	11.530	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	474298	55.117	ug/l	100
85) sec-Butylbenzene	13.38	105	39172	3.685	ug/l	91
86) p-Isopropyltoluene	13.51	119	23807	2.504	ug/l	99
89) n-Butylbenzene	13.82	91	55769	6.169	ug/l #	78
95) Naphthalene	15.37	128	85296	18.454	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009162.D

Acq: 13 Mar 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

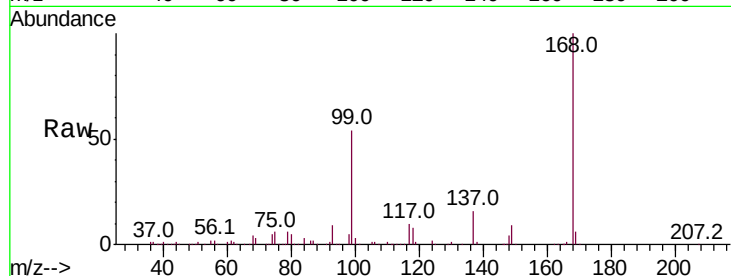
OR-02-031219-A

Tot Ion:168 Resp: 250749

Ion Ratio Lower Upper

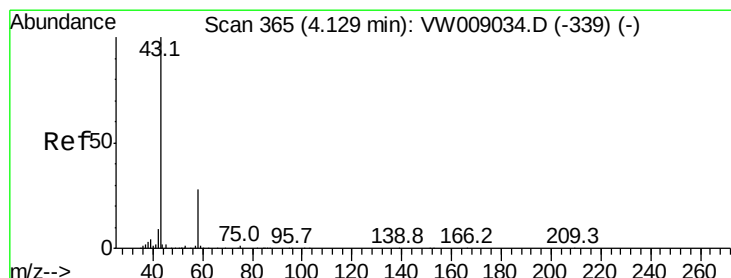
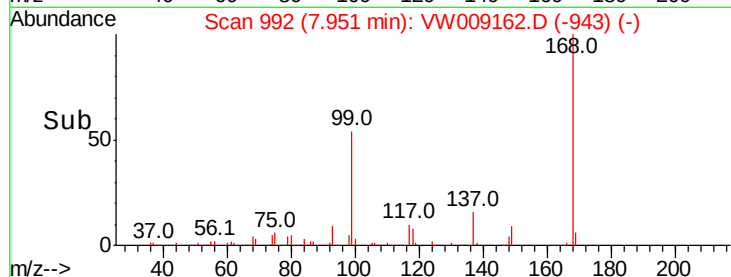
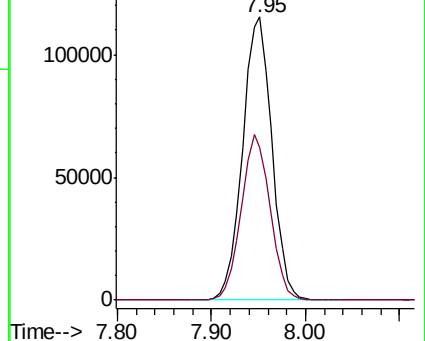
168 100

99 54.2 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: 19.324 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW009162.D

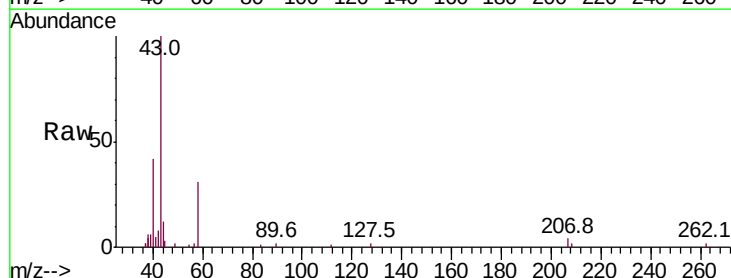
Acq: 13 Mar 2019 18:16

Tgt Ion: 43 Resp: 11001

Ion Ratio Lower Upper

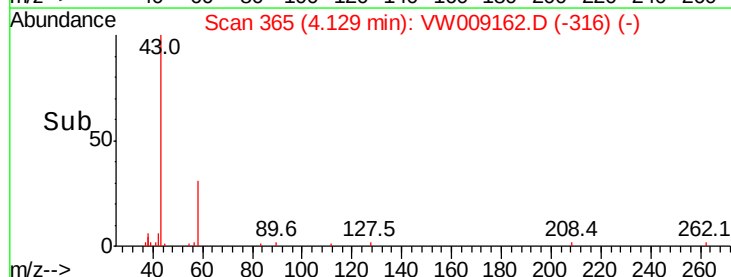
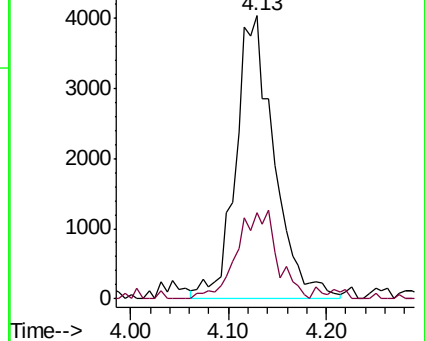
43 100

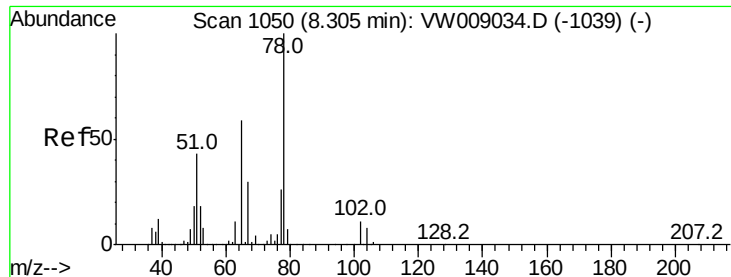
58 31.0 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

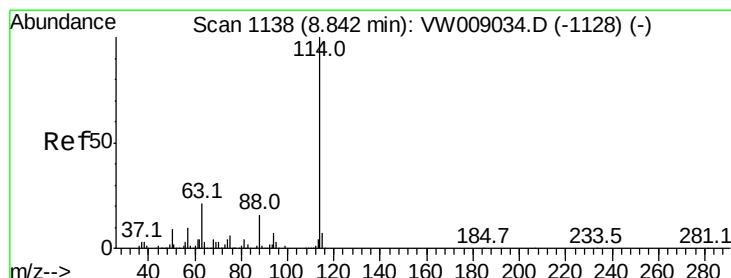
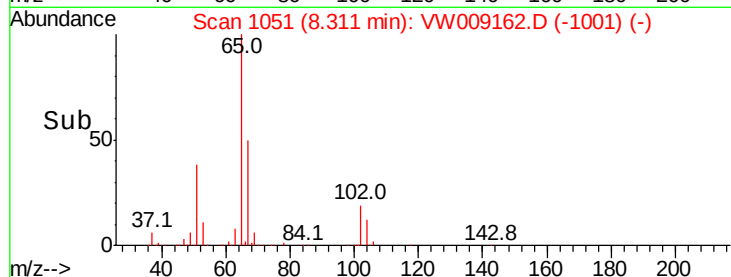
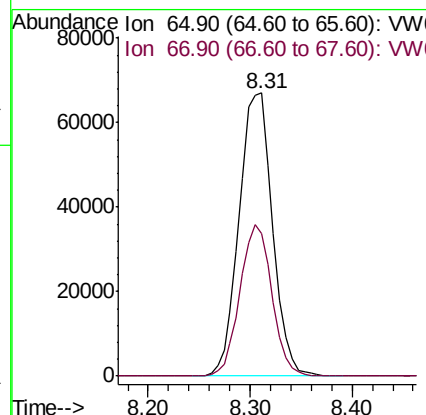
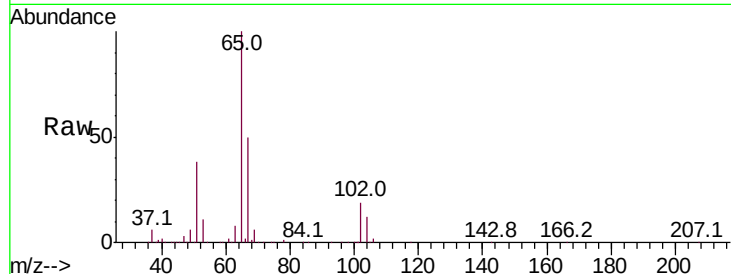




#33
 1,2-Dichloroethane-d4
 Concen: 60.492 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW009162.D
 Acq: 13 Mar 2019 18:16

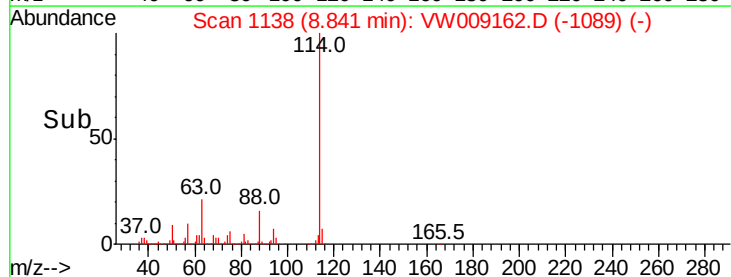
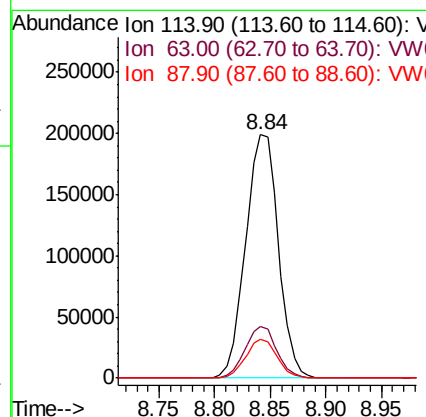
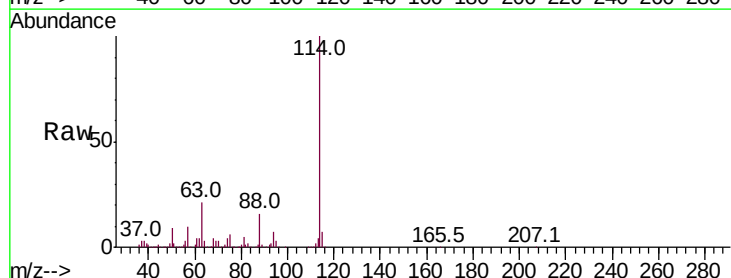
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-031219-A

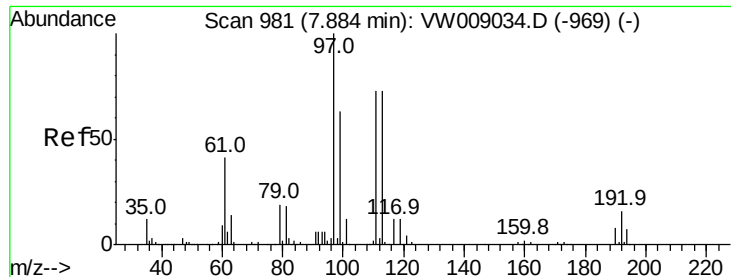
Tot Ion: 65 Resp: 152608
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009162.D
 Acq: 13 Mar 2019 18:16

Tgt Ion: 114 Resp: 406856
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 41.2
 88 15.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.699 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW009162.D

Acq: 13 Mar 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

OR-02-031219-A

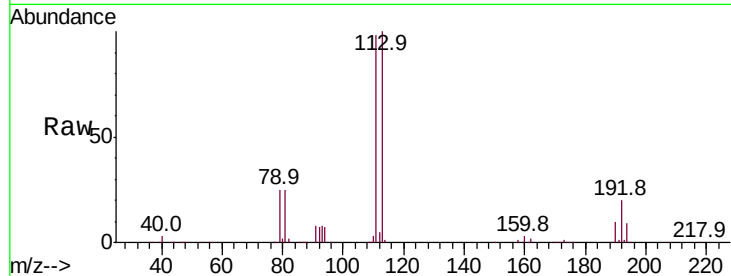
Tot Ion:113 Resp: 126643

Ion Ratio Lower Upper

113 100

111 101.1 81.0 121.4

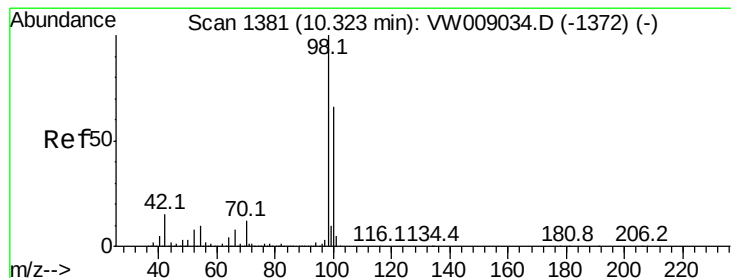
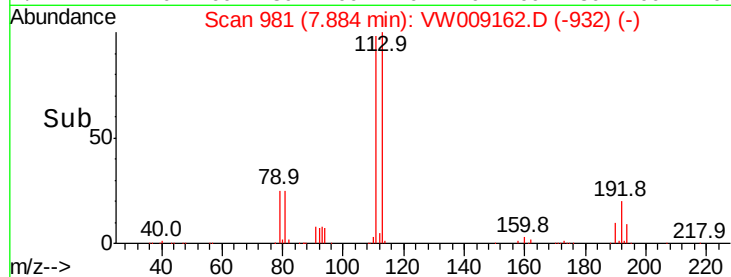
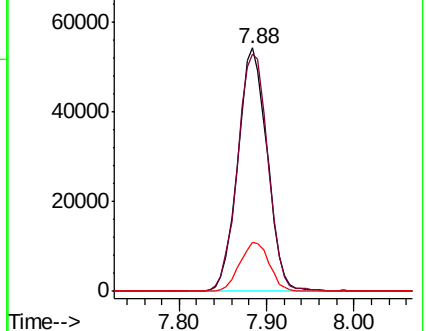
192 20.3 17.1 25.7



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



#50

Toluene-d8

Concen: 47.486 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009162.D

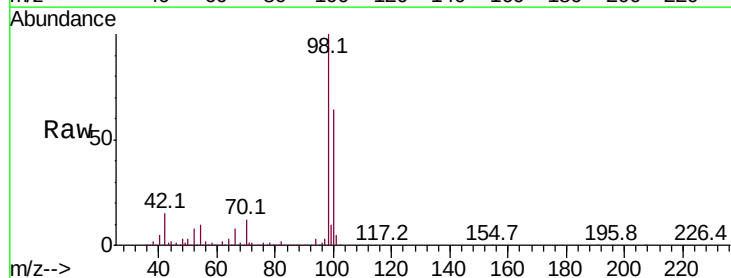
Acq: 13 Mar 2019 18:16

Tgt Ion: 98 Resp: 477763

Ion Ratio Lower Upper

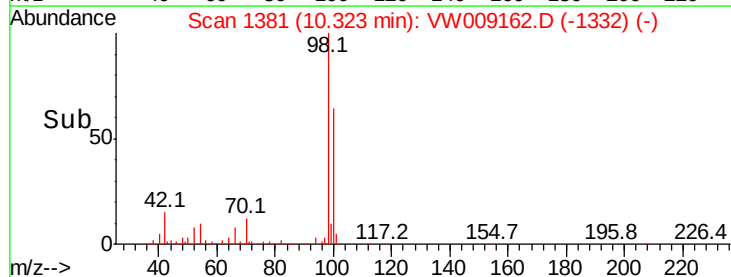
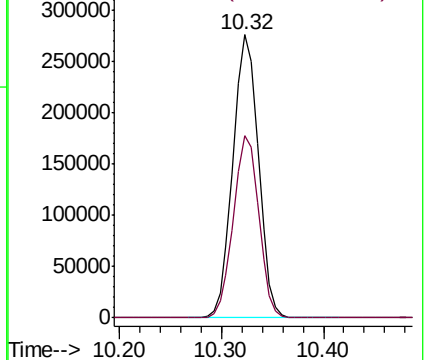
98 100

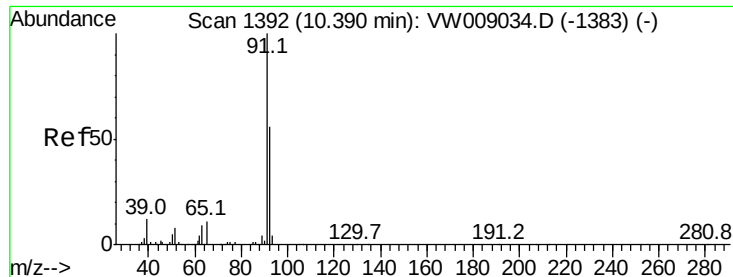
100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 8.549 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW009162.D

Acq: 13 Mar 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

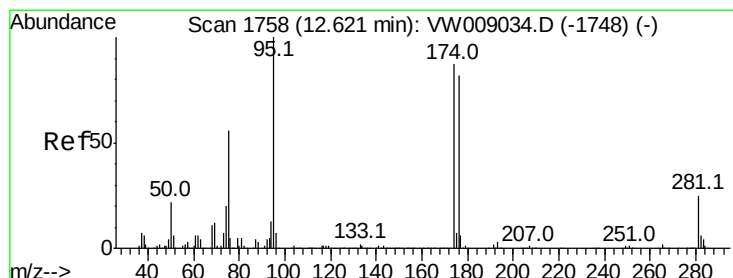
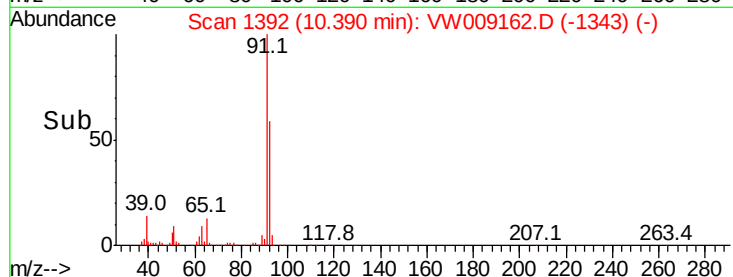
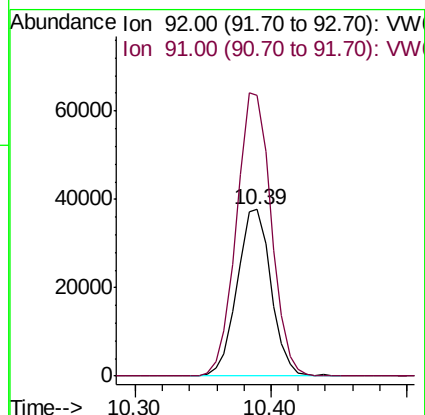
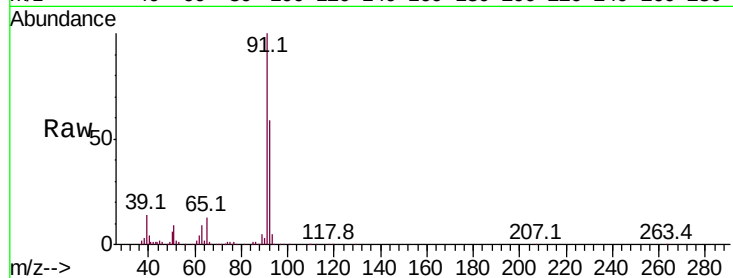
OR-02-031219-A

Tot Ion: 92 Resp: 65843

Ion Ratio Lower Upper

92 100

91 173.4 139.9 209.9



#62

4-Bromofluorobenzene

Concen: 38.317 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009162.D

Acq: 13 Mar 2019 18:16

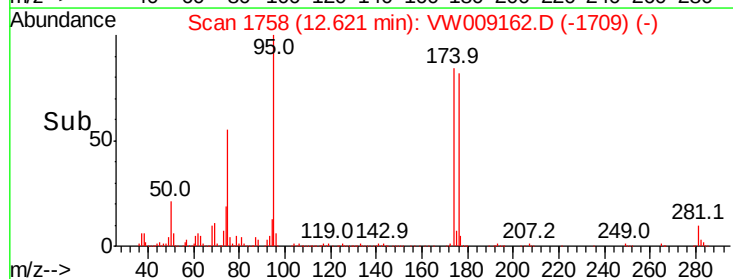
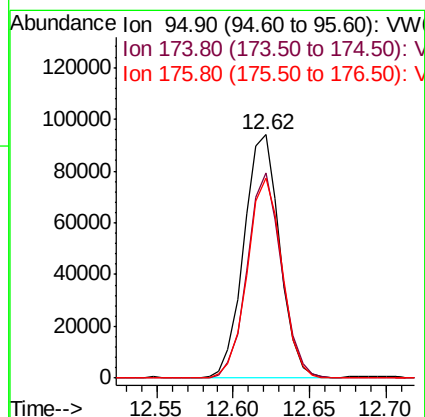
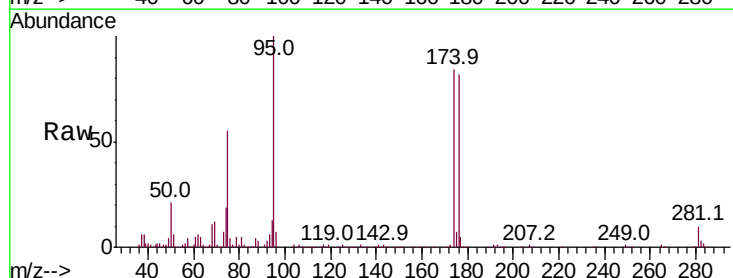
Tgt Ion: 95 Resp: 151759

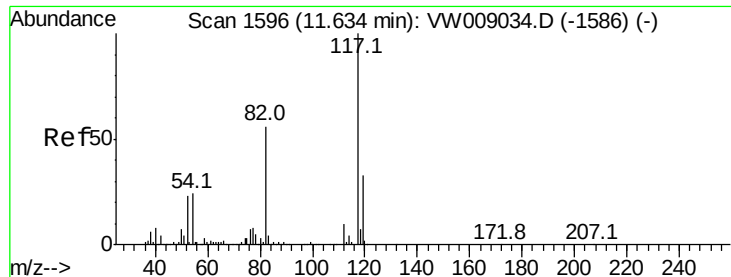
Ion Ratio Lower Upper

95 100

174 81.6 0.0 167.0

176 80.4 0.0 159.4

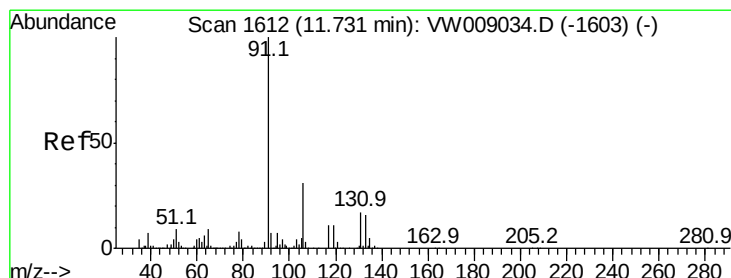
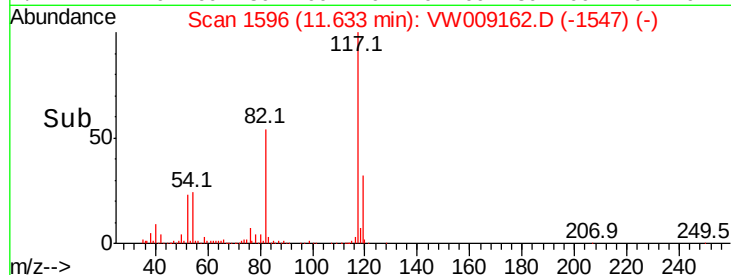
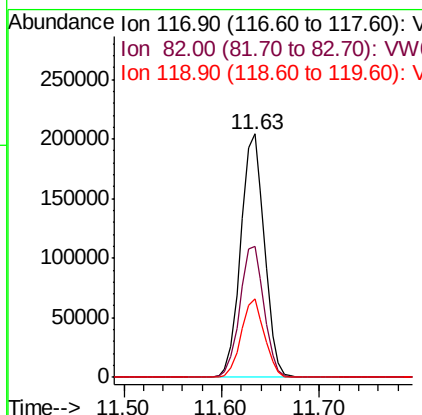
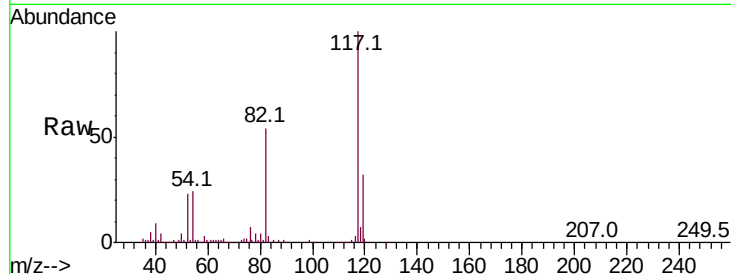




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009162.D
Acq: 13 Mar 2019 18:16

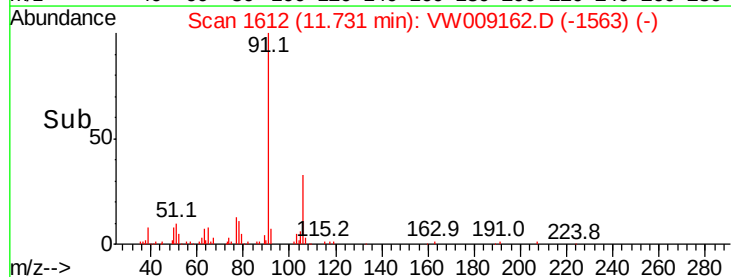
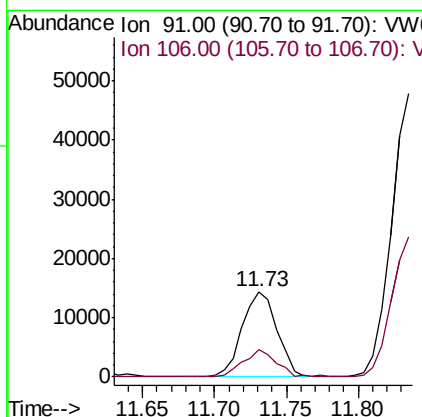
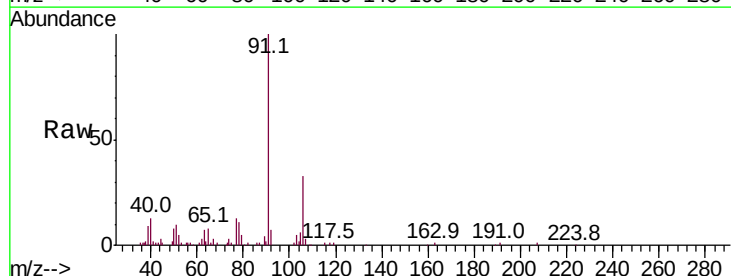
Instrument :
MSVOA_W
ClientSampleId :
OR-02-031219-A

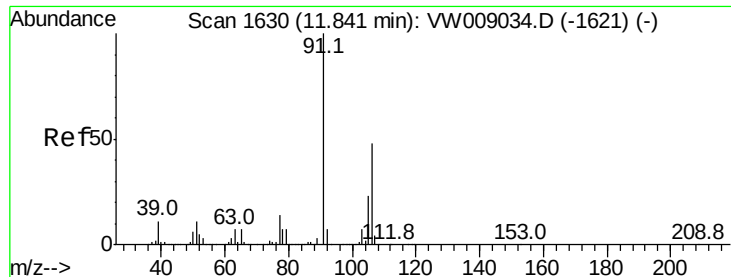
Tot Ion:117 Resp: 343290
Ion Ratio Lower Upper
117 100
82 54.0 45.0 67.6
119 32.3 26.6 39.8



#67
Ethyl Benzene
Concen: 1.795 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009162.D
Acq: 13 Mar 2019 18:16

Tgt Ion: 91 Resp: 24229
Ion Ratio Lower Upper
91 100
106 32.8 25.0 37.4

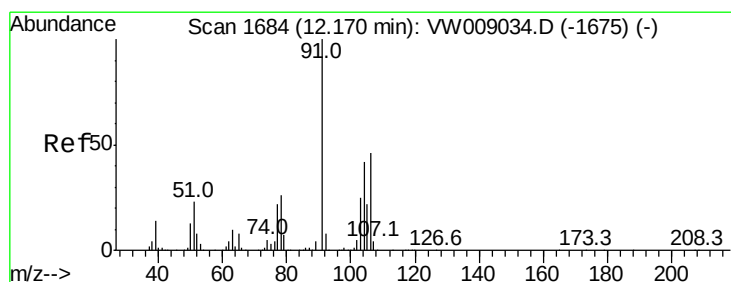
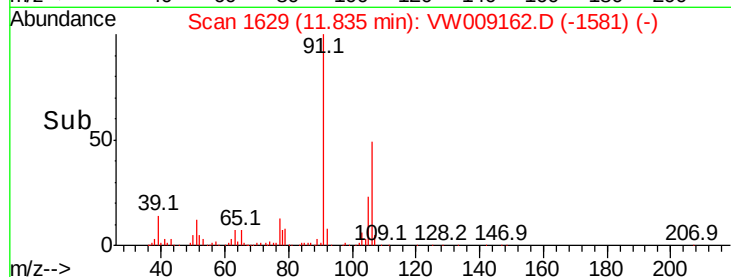
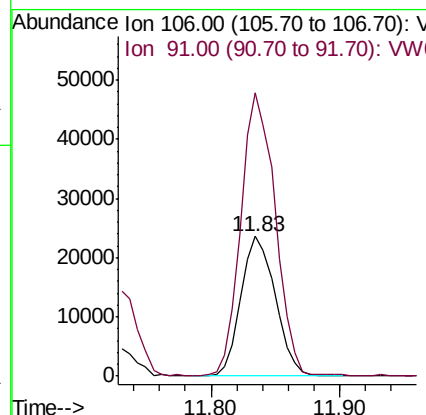
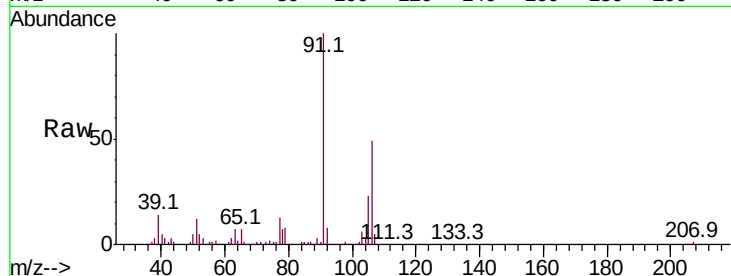




#68
m/p-Xylenes
Concen: 8.213 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW009162.D
Acq: 13 Mar 2019 18:16

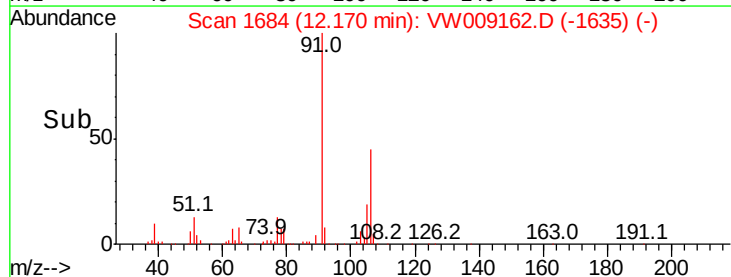
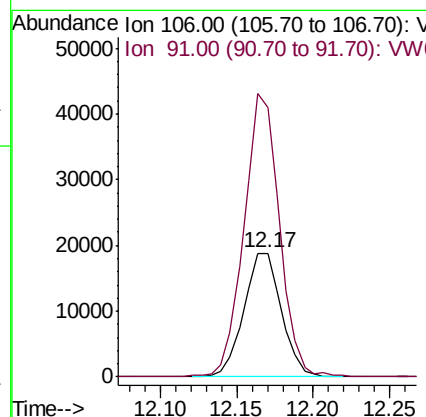
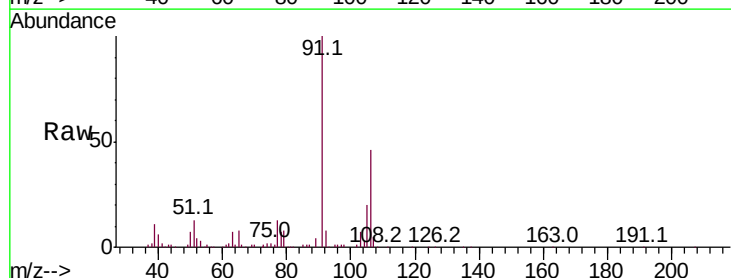
Instrument :
MSVOA_W
ClientSampled :
OR-02-031219-A

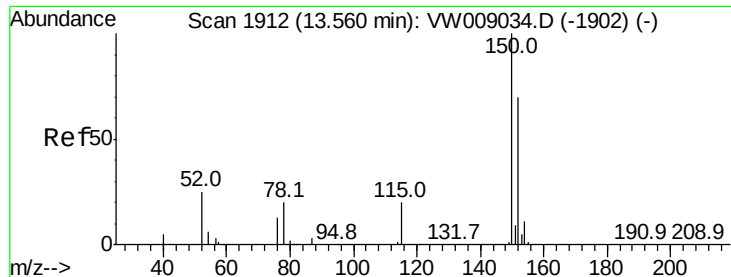
Tot Ion:106 Resp: 43760
Ion Ratio Lower Upper
106 100
91 202.6 163.2 244.8



#69
o-Xylene
Concen: 6.476 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW009162.D
Acq: 13 Mar 2019 18:16

Tgt Ion:106 Resp: 32106
Ion Ratio Lower Upper
106 100
91 216.6 108.6 325.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW009162.D

Acq: 13 Mar 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

OR-02-031219-A

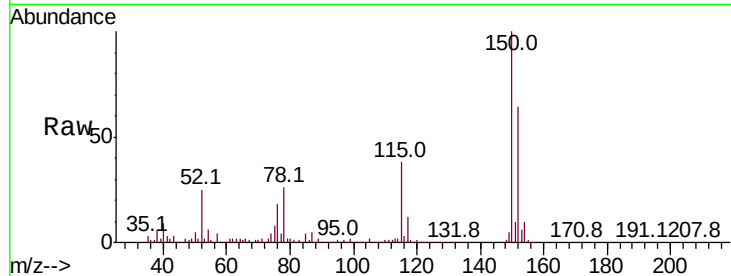
Tot Ion:152 Resp: 137812

Ion Ratio Lower Upper

152 100

115 64.7 28.9 86.7

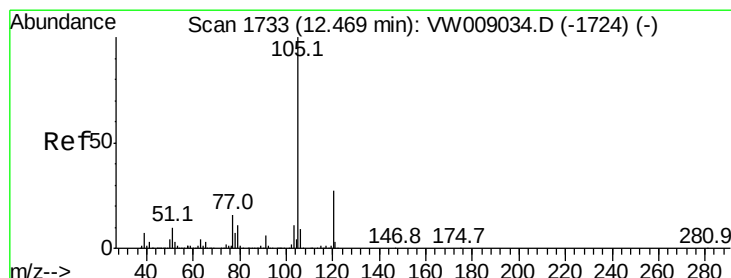
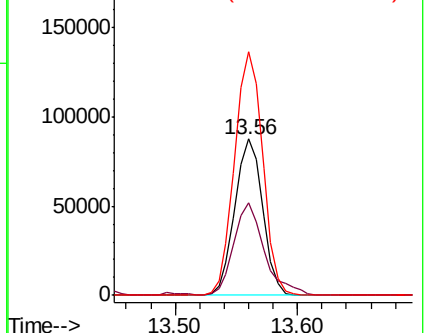
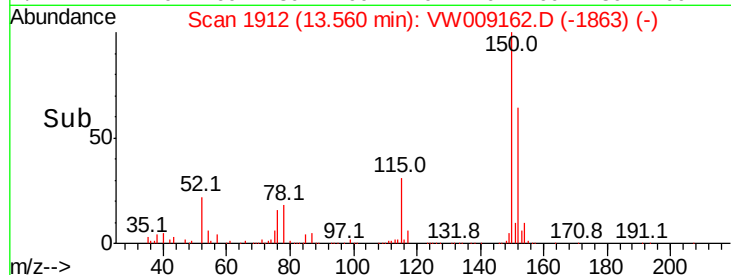
150 157.7 0.0 349.2



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: 1.832 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009162.D

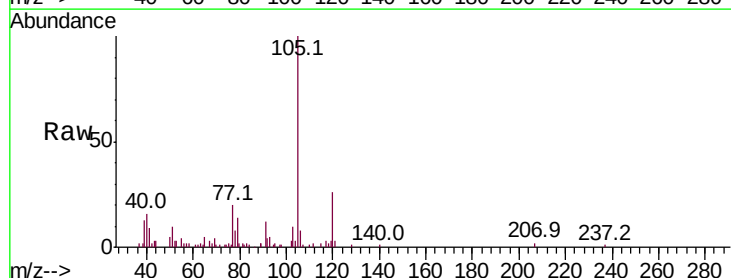
Acq: 13 Mar 2019 18:16

Tgt Ion:105 Resp: 18078

Ion Ratio Lower Upper

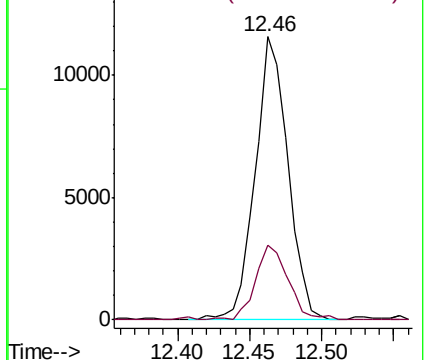
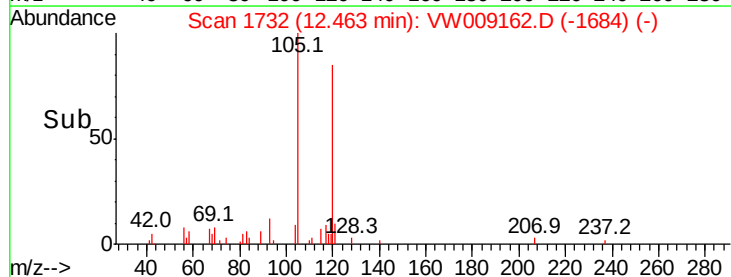
105 100

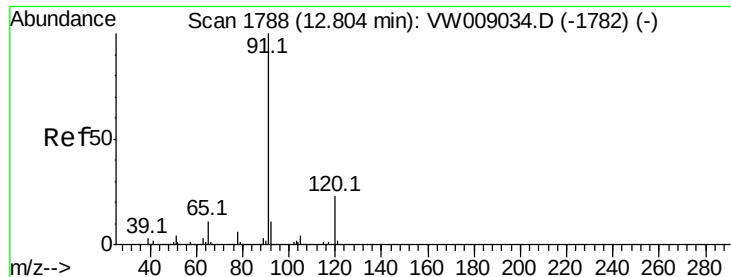
120 26.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 6.752 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009162.D

Acq: 13 Mar 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

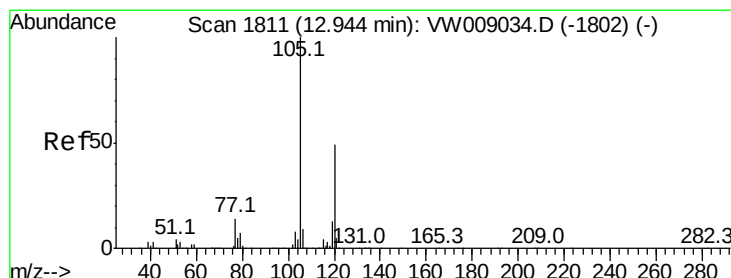
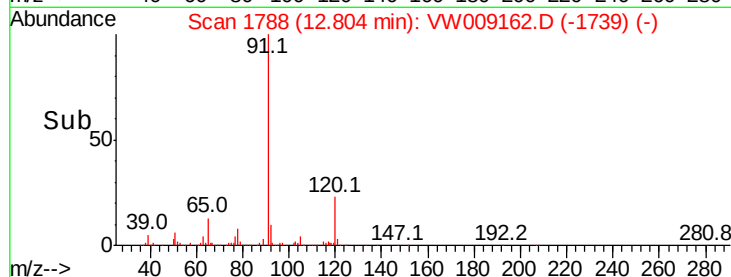
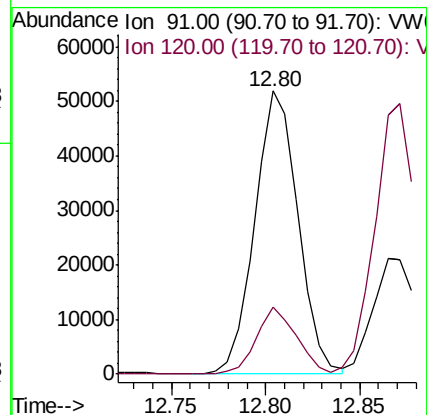
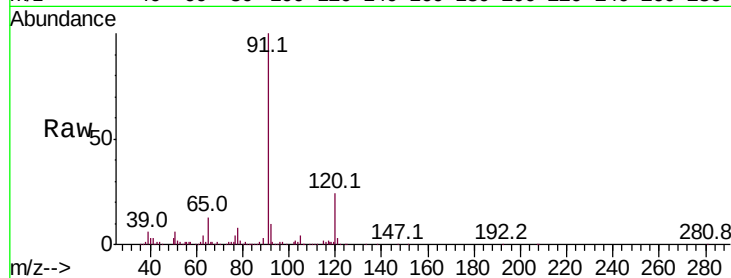
OR-02-031219-A

Tot Ion: 91 Resp: 82077

Ion Ratio Lower Upper

91 100

120 22.1 11.4 34.2



#80

1,3,5-Trimethylbenzene

Concen: 11.530 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009162.D

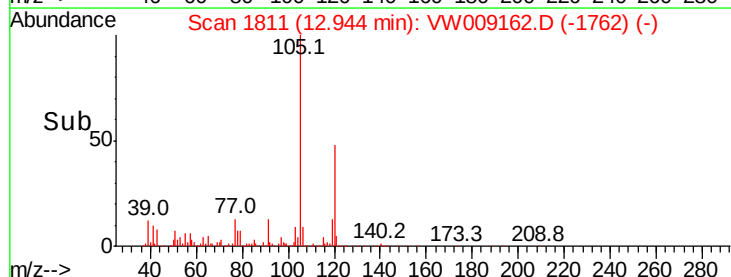
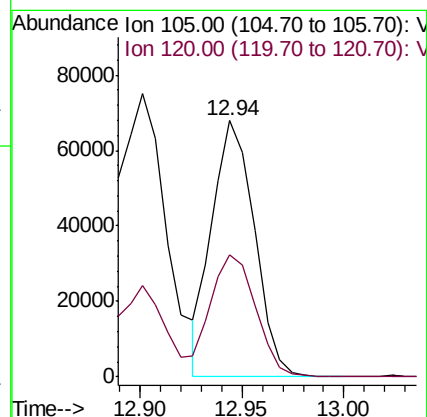
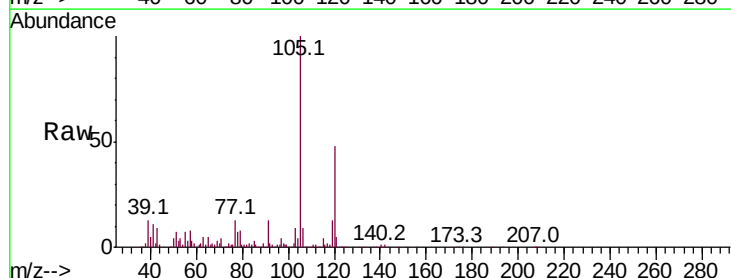
Acq: 13 Mar 2019 18:16

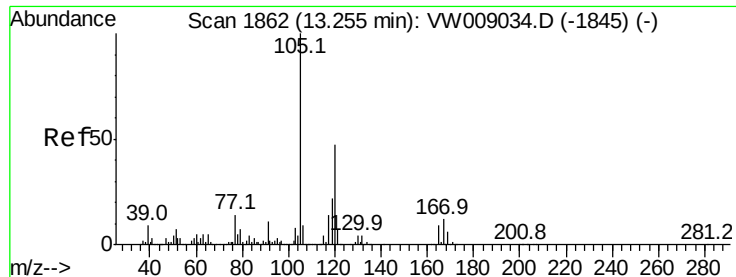
Tgt Ion:105 Resp: 98088

Ion Ratio Lower Upper

105 100

120 52.1 24.4 73.2

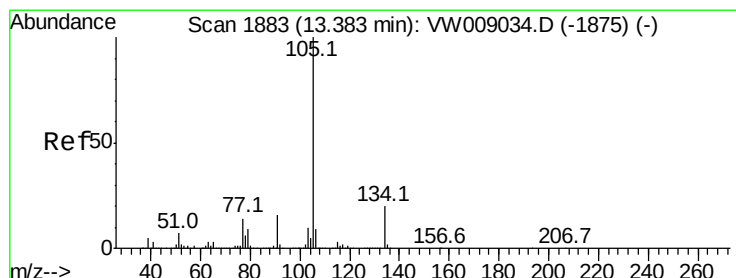
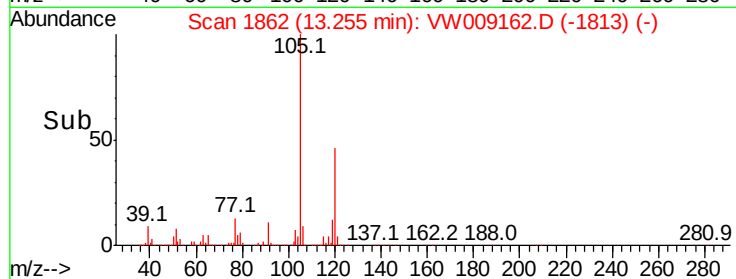
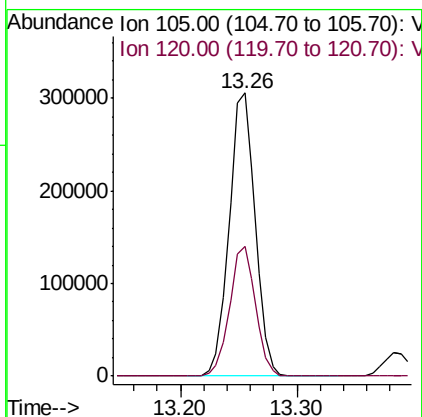
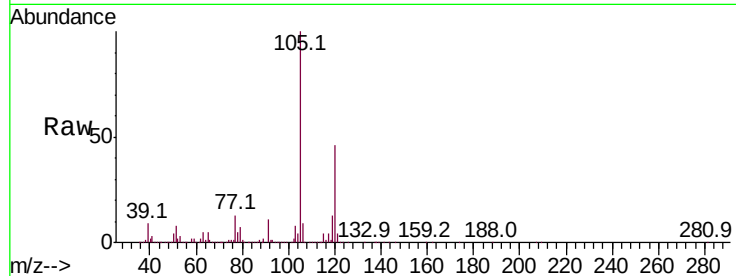




#84
 1,2,4-Trimethylbenzene
 Concen: 55.117 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW009162.D
 Acq: 13 Mar 2019 18:16

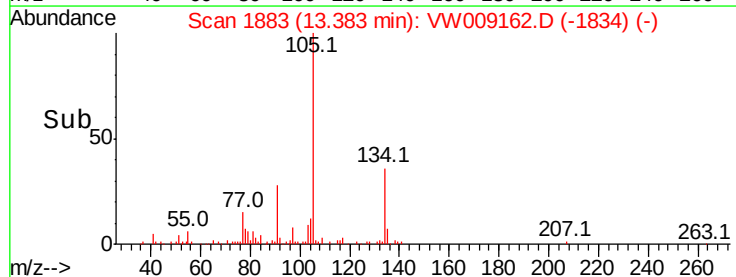
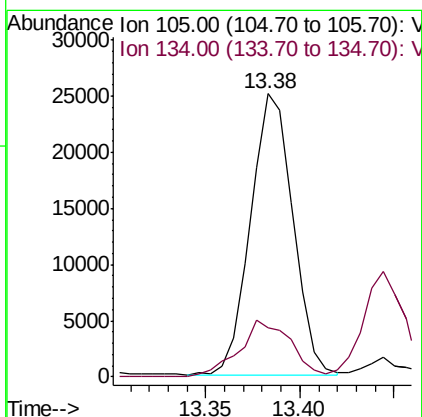
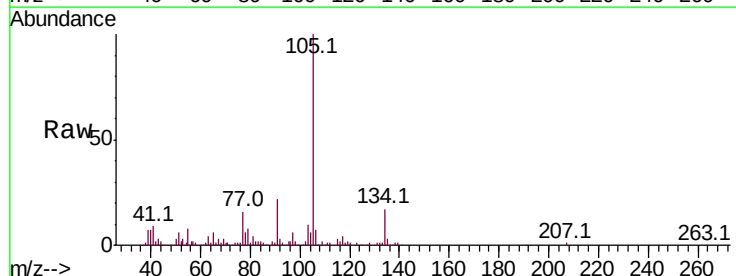
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-031219-A

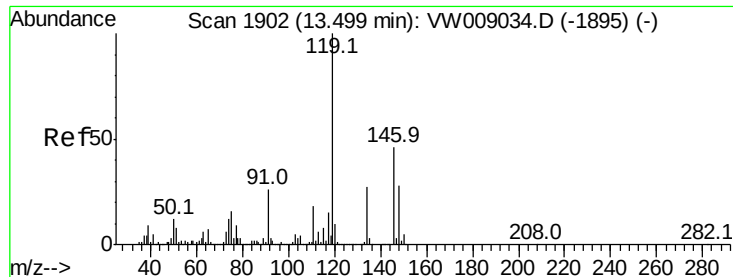
Tot Ion:105 Resp: 474298
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.8 68.4



#85
 sec-Butylbenzene
 Concen: 3.685 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW009162.D
 Acq: 13 Mar 2019 18:16

Tgt Ion:105 Resp: 39172
 Ion Ratio Lower Upper
 105 100
 134 24.2 10.0 30.0

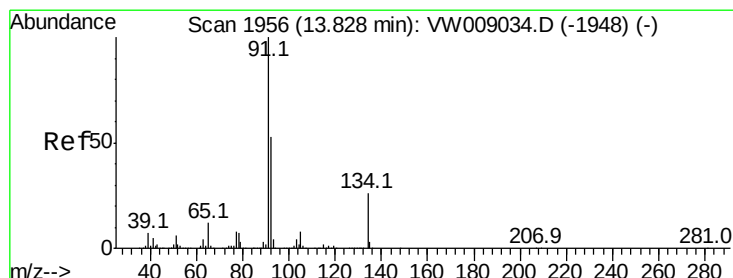
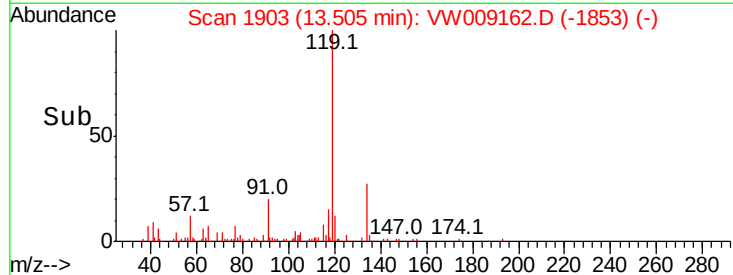
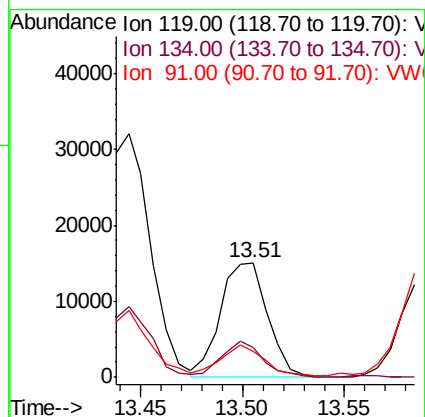
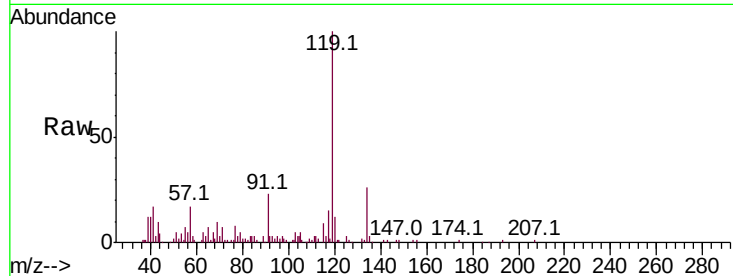




#86
p-Isopropyltoluene
Concen: 2.504 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.01 min
Lab File: VW009162.D
Acq: 13 Mar 2019 18:16

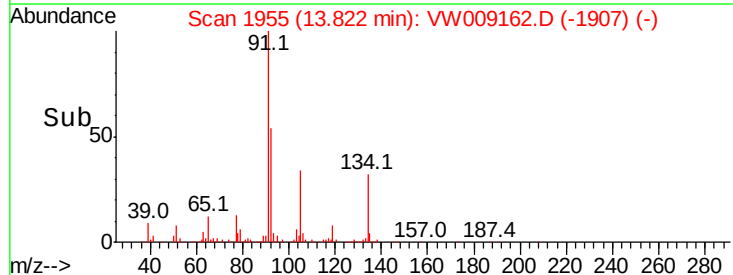
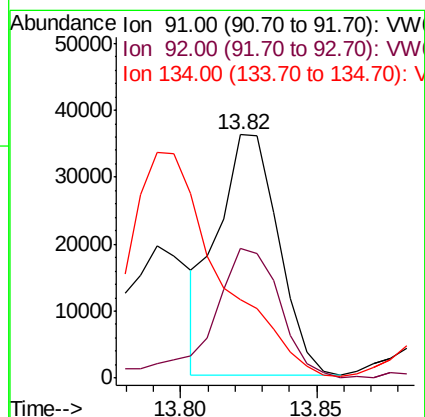
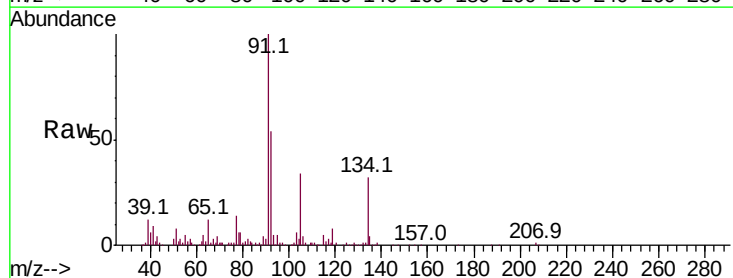
Instrument :
MSVOA_W
ClientSampleId :
OR-02-031219-A

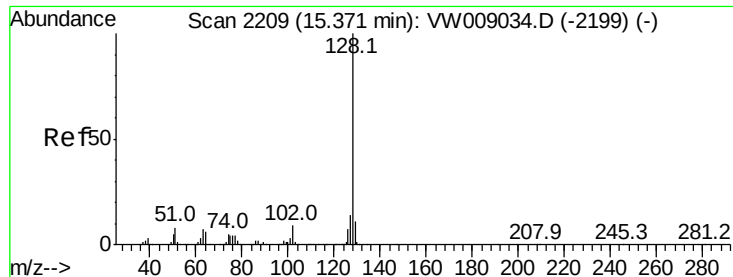
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.3	39.9
91	24.2	12.3	36.9



#89
n-Butylbenzene
Concen: 6.169 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VW009162.D
Acq: 13 Mar 2019 18:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.9	26.8	80.3
134	0.0	12.9	38.7#





#95

Naphthalene

Concen: 18.454 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009162.D

Acq: 13 Mar 2019 18:16

Instrument :

MSVOA_W

ClientSampleId :

OR-02-031219-A

Tot Ion:128 Resp: 85296

Ion Ratio Lower Upper

128 100

127 14.8 11.0 16.6

129 12.5 8.8 13.2

