

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082719\
 Data File : VW012228.D
 Acq On : 28 Aug 2019 02:24
 Operator : SY/VA
 Sample : K4451-01
 Misc : 7.01G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-1

Quant Time: Aug 28 07:14:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	249539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416101	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	327330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	137168	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	151430	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
35) Dibromofluoromethane	7.88	113	123035	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	10.32	98	554474	55.06	ug/l	0.00
Spiked Amount			Recovery	=	110.12%	
62) 4-Bromofluorobenzene	12.62	95	189124	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.95	56	36337	6.801	ug/l #	83
39) Methylcyclohexane	9.34	83	242859	50.275	ug/l	97
67) Ethyl Benzene	11.73	91	21094	1.699	ug/l	100
73) Isopropylbenzene	12.46	105	362921	35.310	ug/l	99
78) n-propylbenzene	12.80	91	355497	28.332	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	517172	60.217	ug/l	99
83) tert-Butylbenzene	13.21	119	34381	4.726	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.25	105	156284	18.115	ug/l	99
85) sec-Butylbenzene	13.38	105	1208806	115.976	ug/l	91
86) p-Isopropyltoluene	13.50	119	431934	46.403	ug/l	99
89) n-Butylbenzene	13.82	91	545300m	58.910	ug/l	

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012228.D

Acq: 28 Aug 2019 02:24

Instrument :

MSVOA_W

ClientSampled :

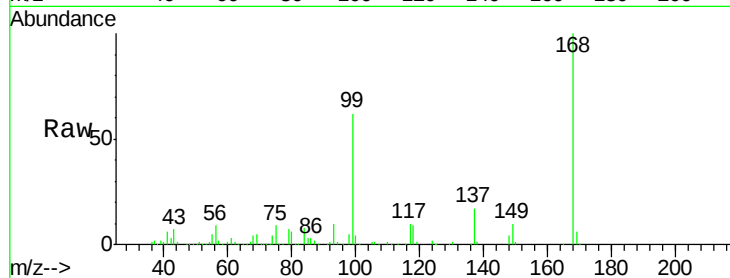
B-1

Tot Ion:168 Resp: 249539

Ion Ratio Lower Upper

168 100

99 62.0 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

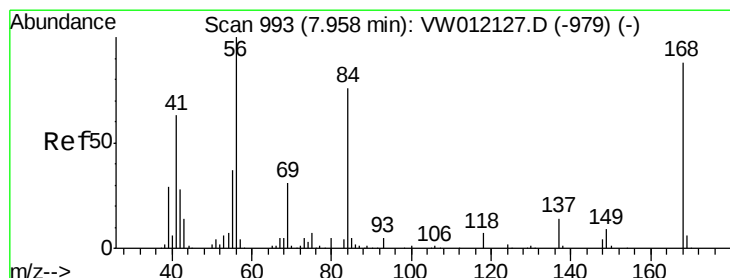
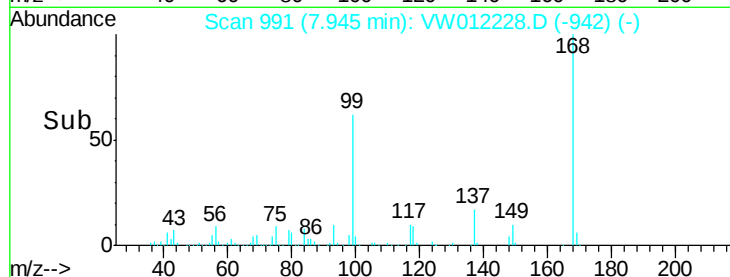
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#31

Cyclohexane

Concen: 6.801 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012228.D

Acq: 28 Aug 2019 02:24

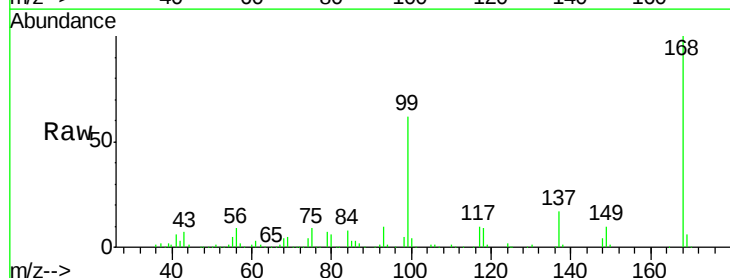
Tgt Ion: 56 Resp: 36337

Ion Ratio Lower Upper

56 100

69 54.9 24.9 37.3#

84 80.7 60.6 90.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

25000

20000

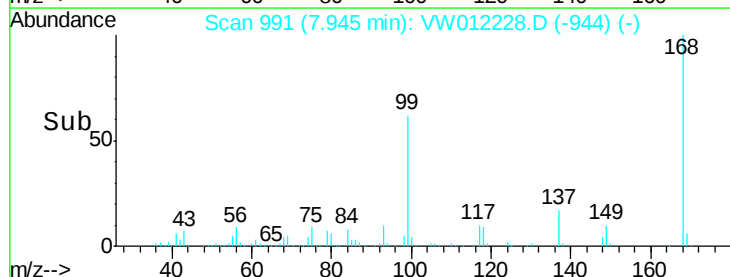
15000

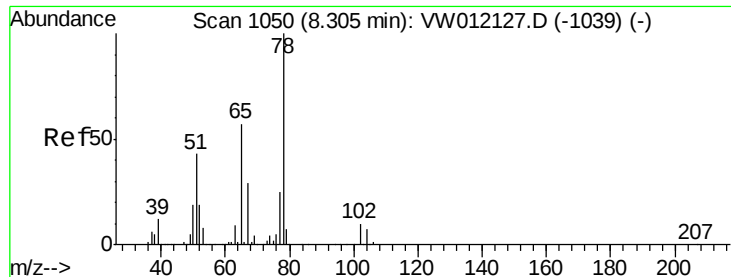
10000

5000

0

Time--> 7.80 7.85 7.90 7.95 8.00





#33

1,2-Dichloroethane-d4

Concen: 51.048 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012228.D

Acq: 28 Aug 2019 02:24

Instrument :

MSVOA_W

ClientSampled :

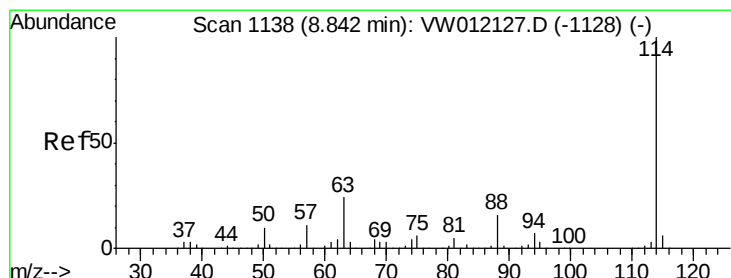
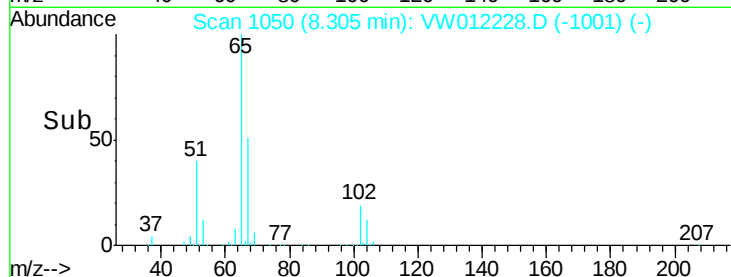
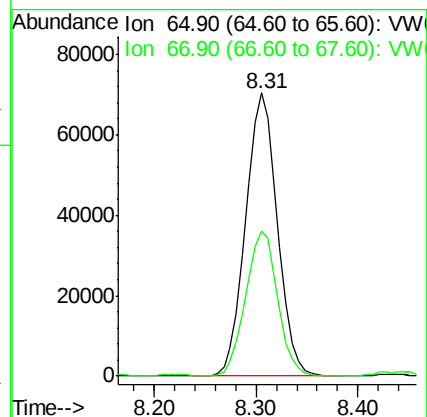
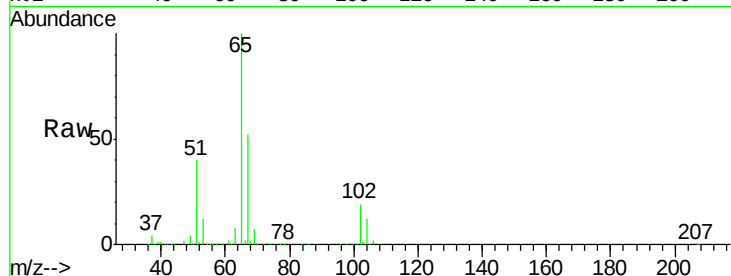
B-1

Tot Ion: 65 Resp: 151430

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012228.D

Acq: 28 Aug 2019 02:24

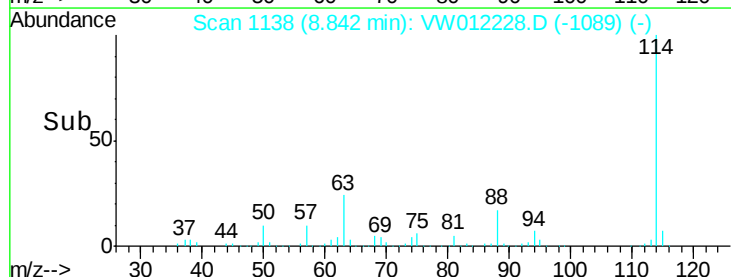
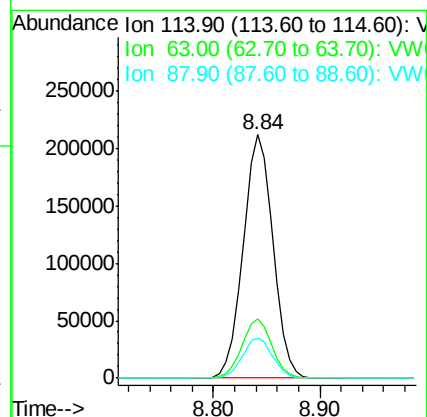
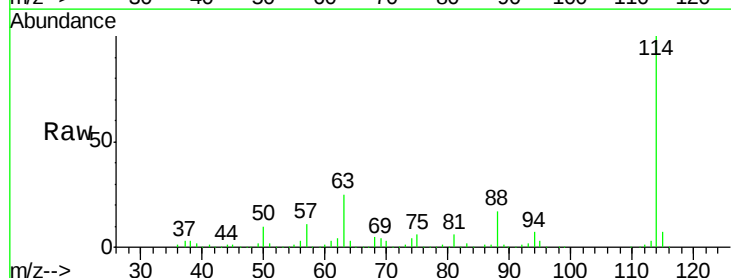
Tgt Ion: 114 Resp: 416101

Ion Ratio Lower Upper

114 100

63 24.5 0.0 48.6

88 16.5 0.0 32.2

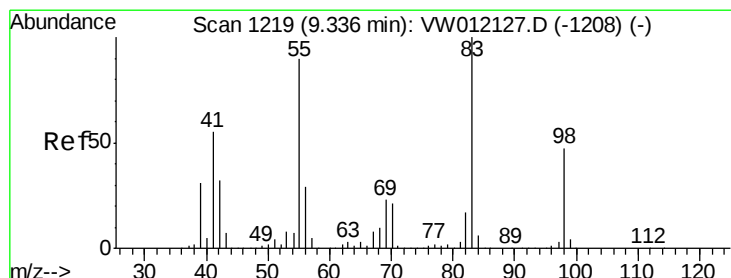
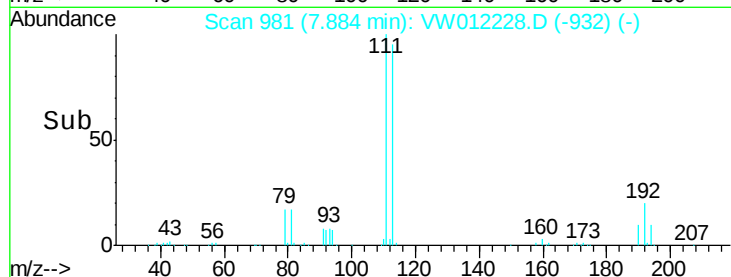
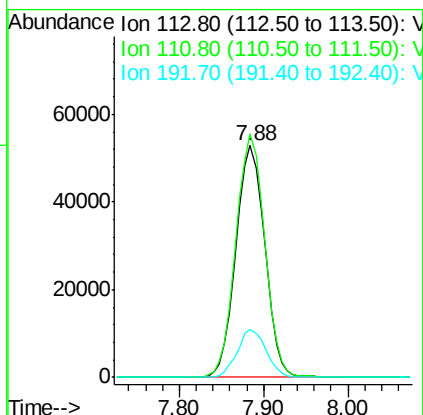
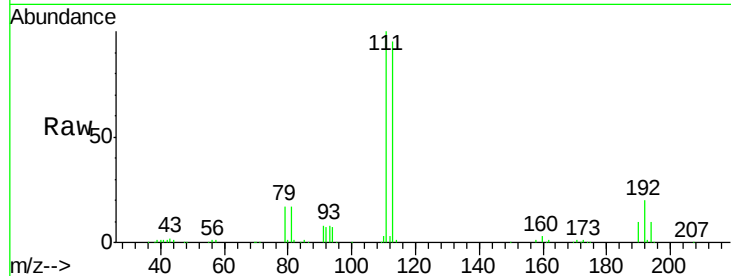




#35
 Dibromofluoromethane
 Concen: 49.537 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012228.D
 Acq: 28 Aug 2019 02:24

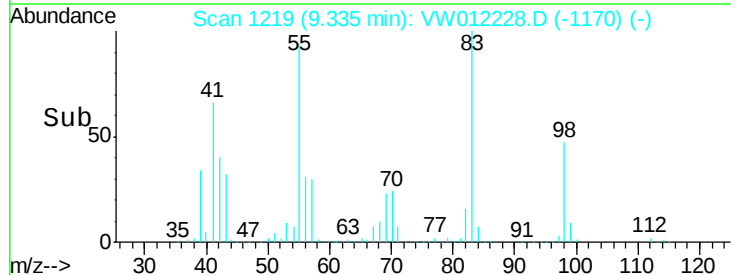
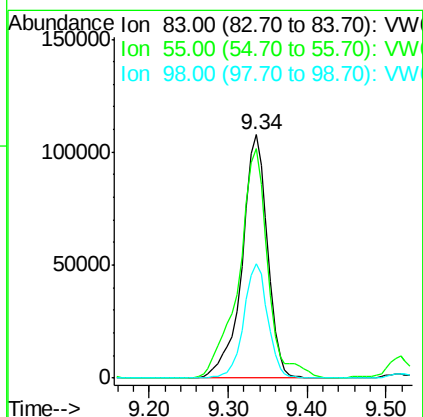
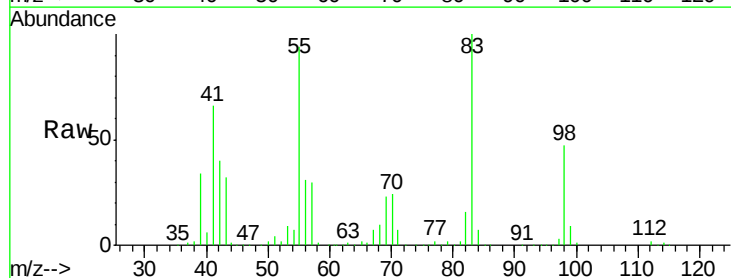
Instrument :
 MSVOA_W
 ClientSampleId :
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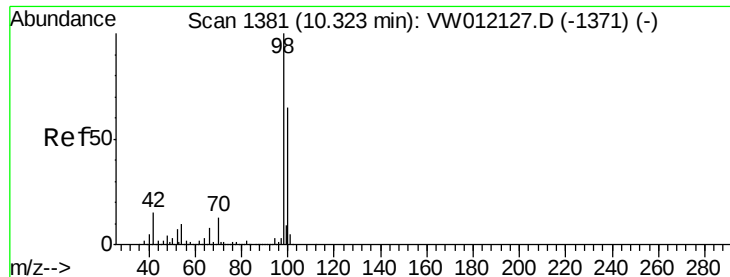
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.7	124.1
192	20.5	16.2	24.2



#39
 Methylcyclohexane
 Concen: 50.275 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW012228.D
 Acq: 28 Aug 2019 02:24

Tgt Ion	Ratio	Lower	Upper
83	100		
55	94.2	71.8	107.8
98	46.7	37.8	56.8





#50

Toluene-d8

Concen: 55.058 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012228.D

Acq: 28 Aug 2019 02:24

Instrument :

MSVOA_W

ClientSampleId :

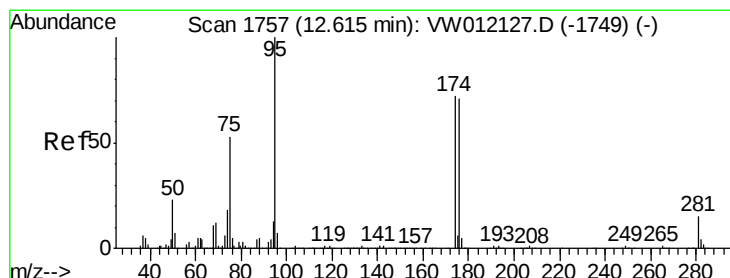
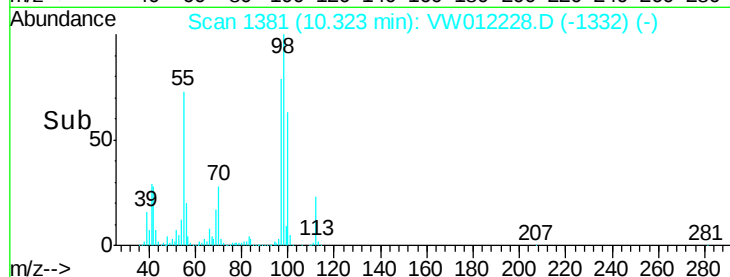
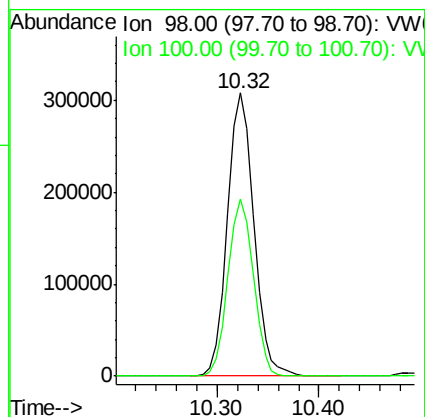
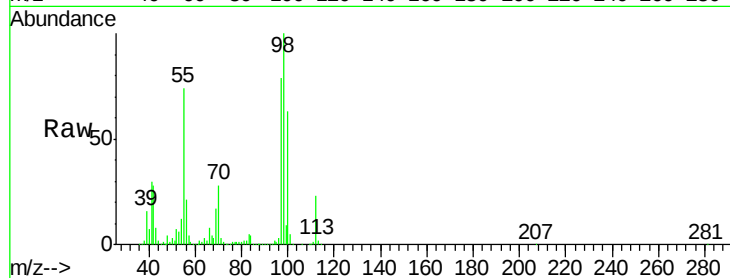
B-1

Tot Ion: 98 Resp: 554474

Ion Ratio Lower Upper

98 100

100 60.2 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 53.275 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012228.D

Acq: 28 Aug 2019 02:24

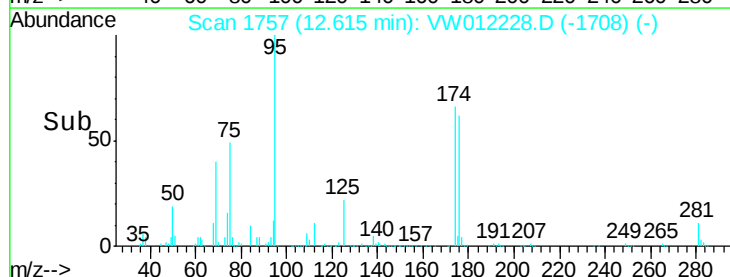
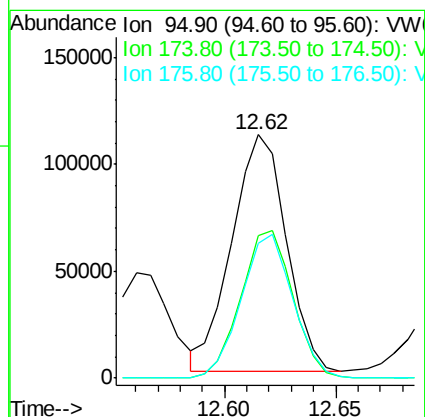
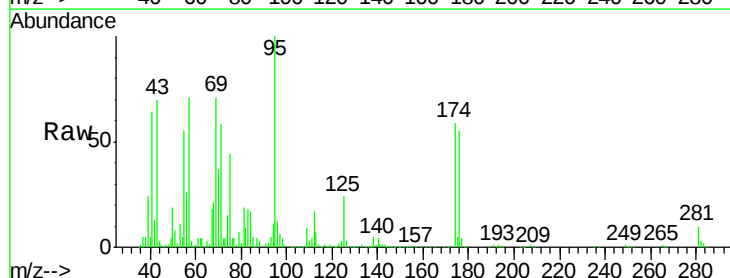
Tgt Ion: 95 Resp: 189124

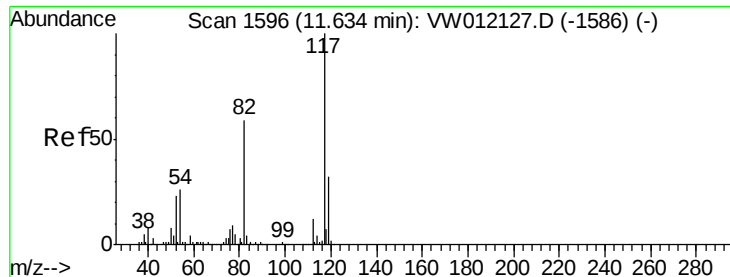
Ion Ratio Lower Upper

95 100

174 59.6 0.0 150.8

176 57.8 0.0 148.6

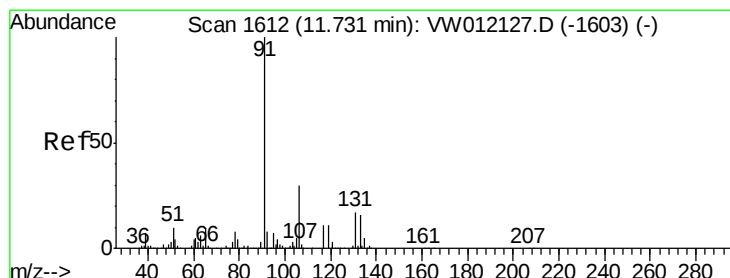
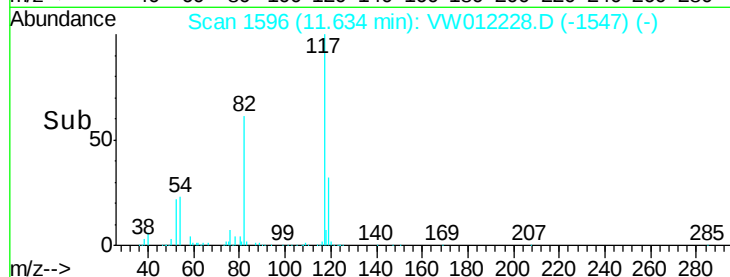
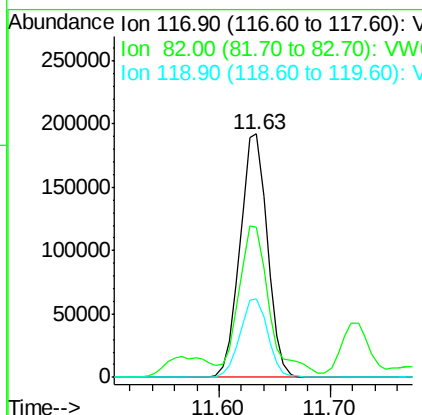
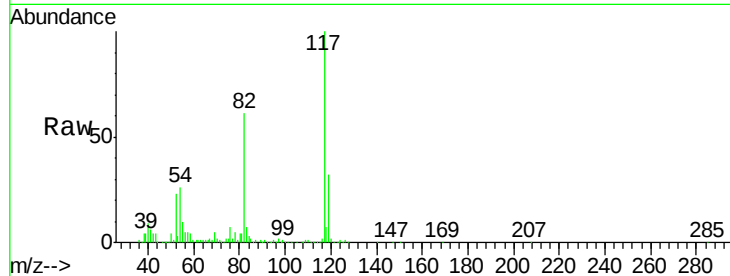




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012228.D
Acq: 28 Aug 2019 02:24

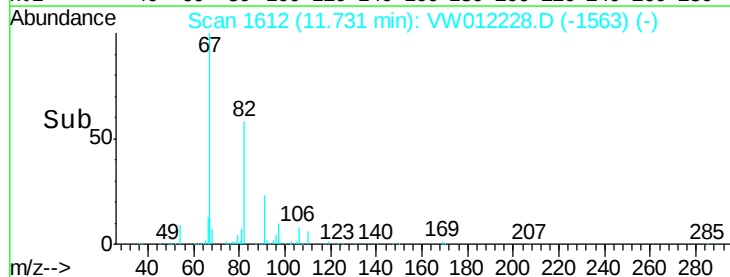
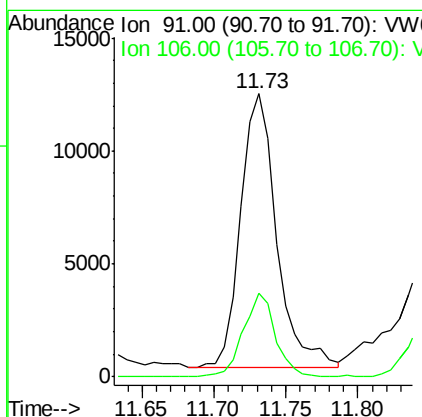
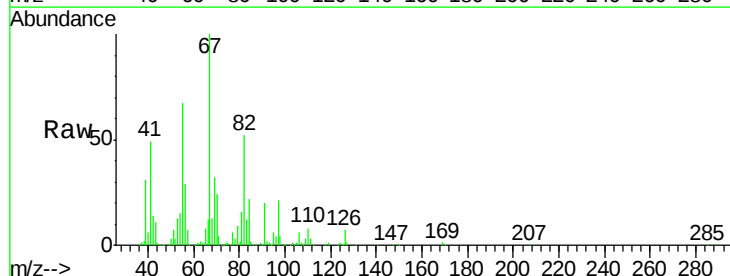
Instrument :
MSVOA_W
ClientSampled :
B-1

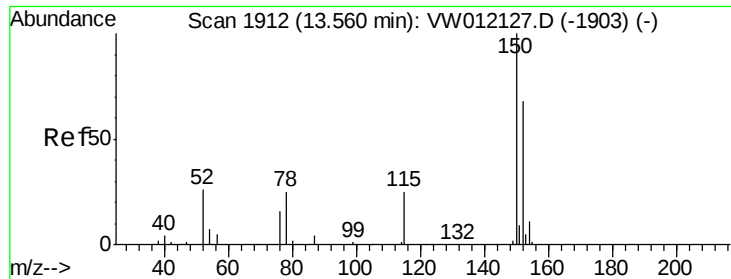
Tot Ion:117 Resp: 327330
Ion Ratio Lower Upper
117 100
82 54.0 47.4 71.2
119 32.2 25.4 38.2



#67
Ethyl Benzene
Concen: 1.699 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012228.D
Acq: 28 Aug 2019 02:24

Tgt Ion: 91 Resp: 21094
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5



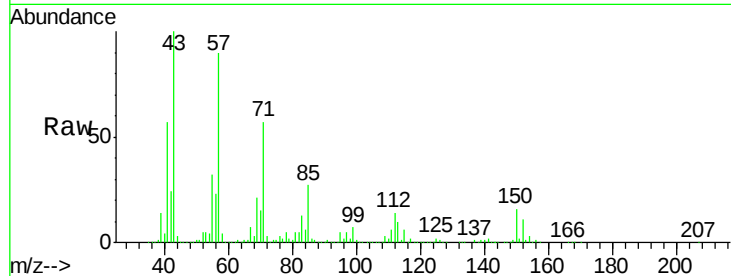


#72

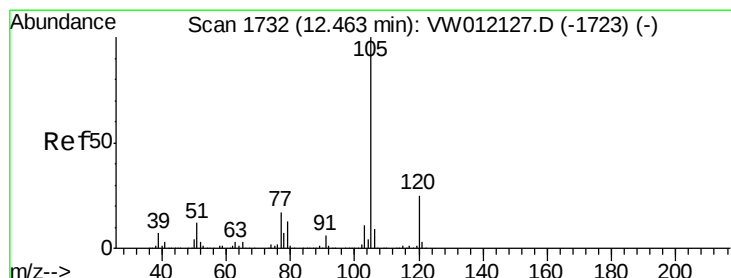
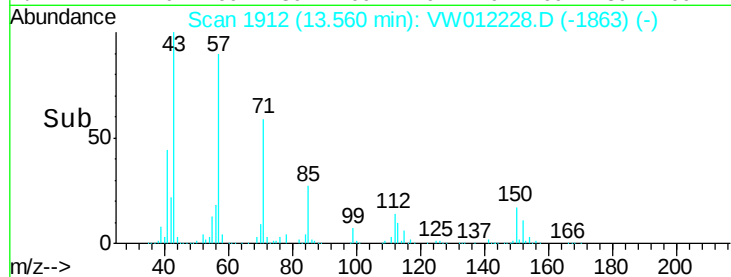
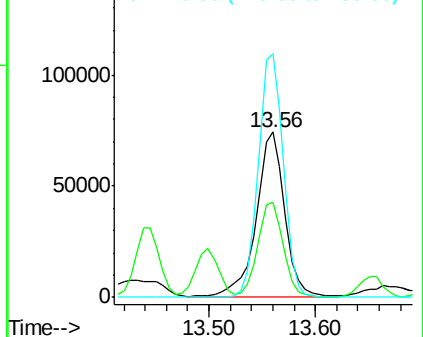
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012228.D
Acq: 28 Aug 2019 02:24

Instrument :
MSVOA_W
ClientSampled :
B-1

Tot Ion:152 Resp: 137168
Ion Ratio Lower Upper
152 100
115 51.8 30.1 90.3
150 131.7 0.0 345.8



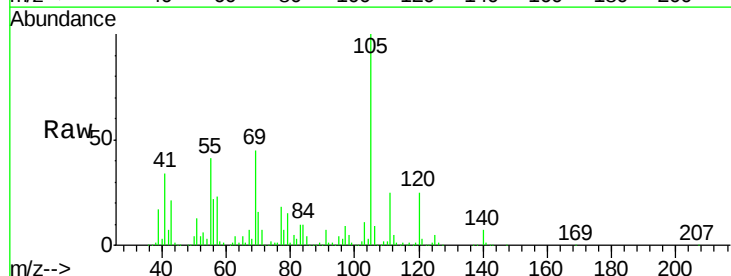
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



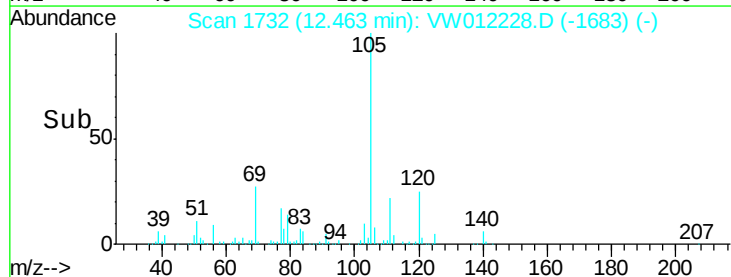
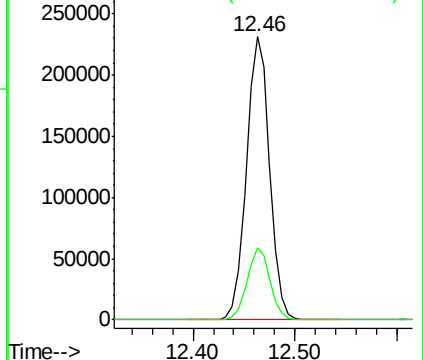
#73

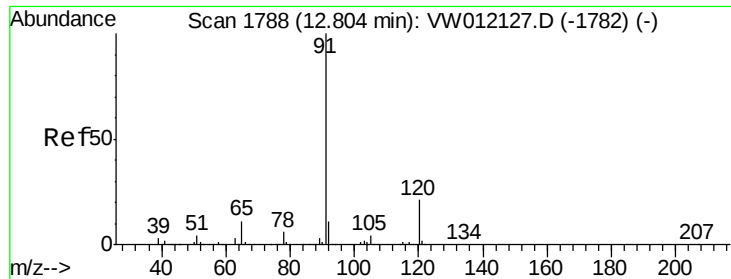
Isopropylbenzene
Concen: 35.310 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012228.D
Acq: 28 Aug 2019 02:24

Tgt Ion:105 Resp: 362921
Ion Ratio Lower Upper
105 100
120 25.3 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

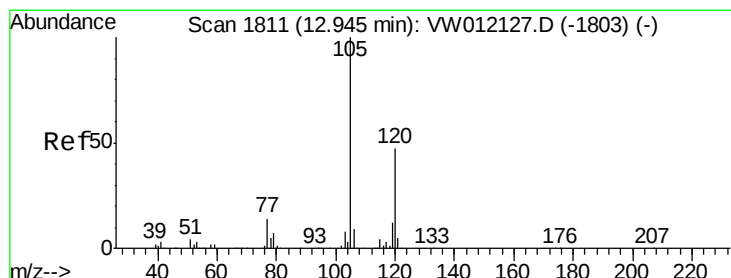
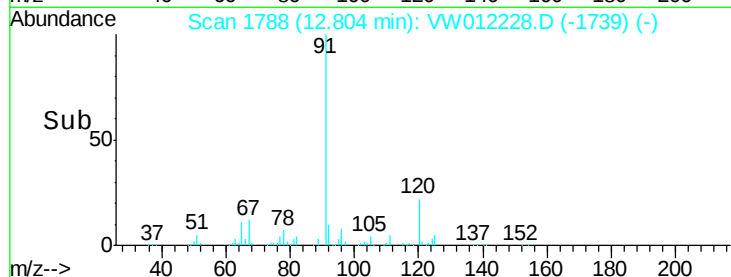
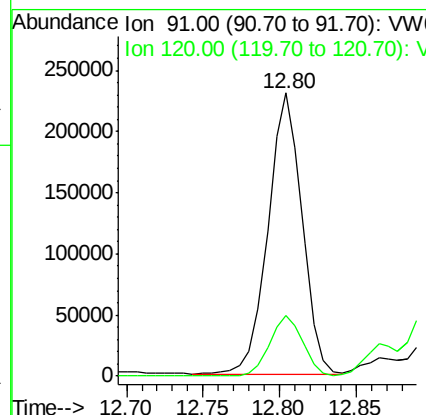
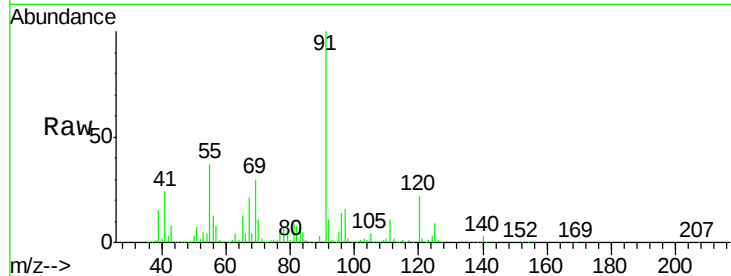




#78
n-propylbenzene
Concen: 28.332 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012228.D
Acq: 28 Aug 2019 02:24

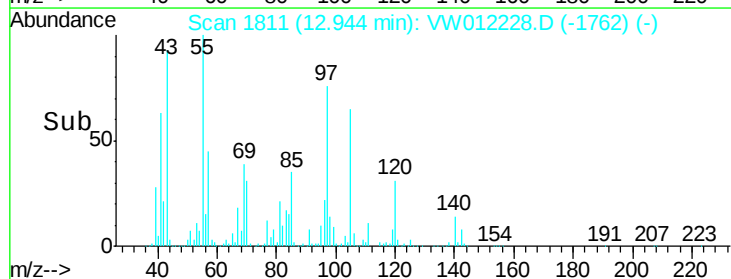
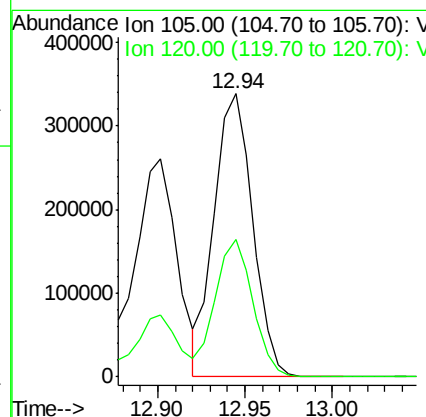
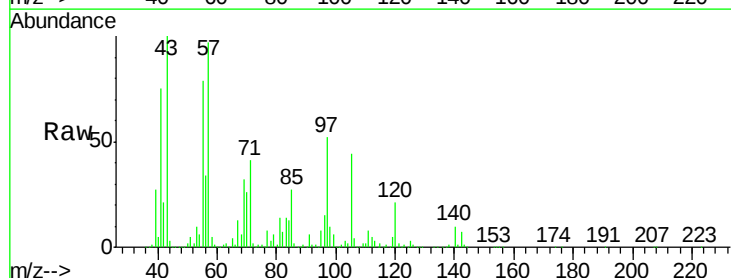
Instrument :
MSVOA_W
ClientSampled :
B-1

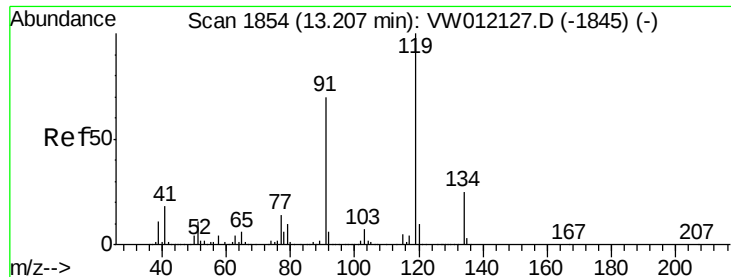
Tot Ion: 91 Resp: 355497
Ion Ratio Lower Upper
91 100
120 21.2 10.5 31.6



#80
1,3,5-Trimethylbenzene
Concen: 60.217 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW012228.D
Acq: 28 Aug 2019 02:24

Tgt Ion:105 Resp: 517172
Ion Ratio Lower Upper
105 100
120 47.6 24.0 72.0

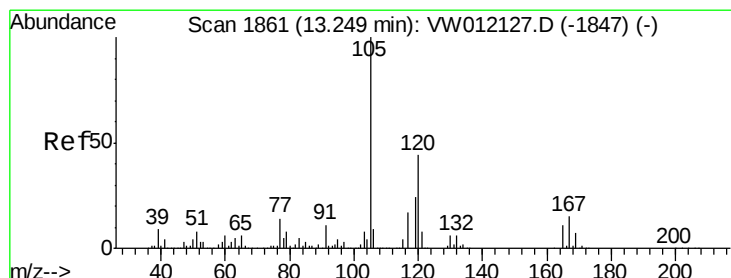
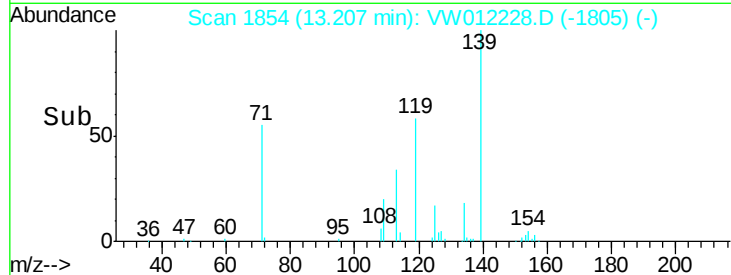
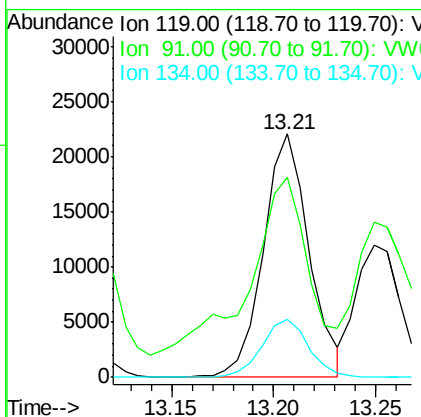
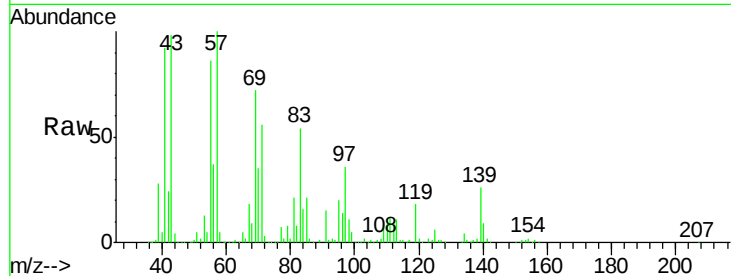




#83
 tert-Butylbenzene
 Concen: 4.726 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012228.D
 Acq: 28 Aug 2019 02:24

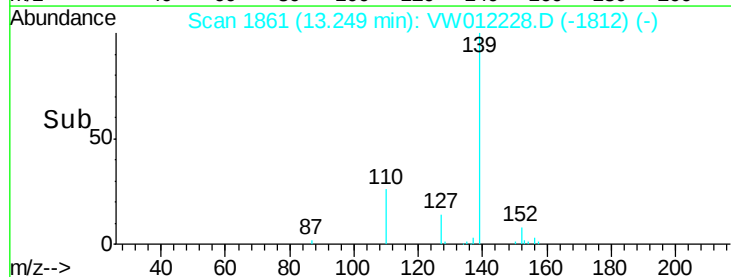
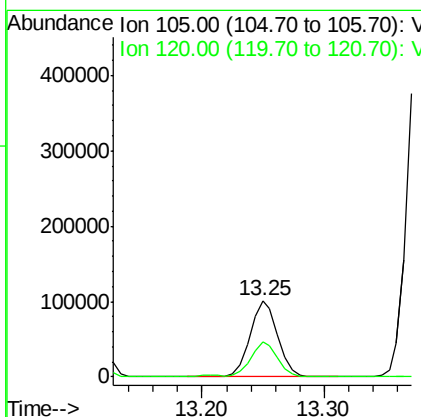
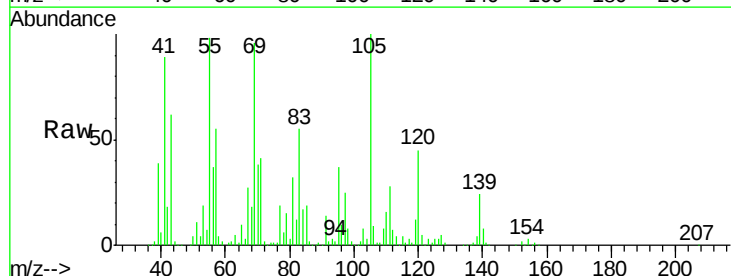
Instrument :
 MSVOA_W
 ClientSampleId :
 B-1

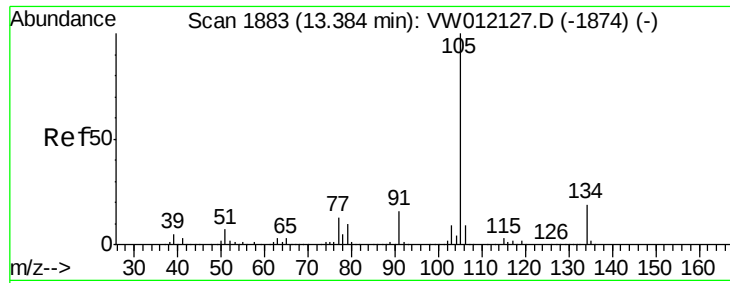
Tot Ion:119 Resp: 34381
 Ion Ratio Lower Upper
 119 100
 91 91.9 34.8 104.3
 134 0.0 13.3 39.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 18.115 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012228.D
 Acq: 28 Aug 2019 02:24

Tgt Ion:105 Resp: 156284
 Ion Ratio Lower Upper
 105 100
 120 44.6 21.9 65.7

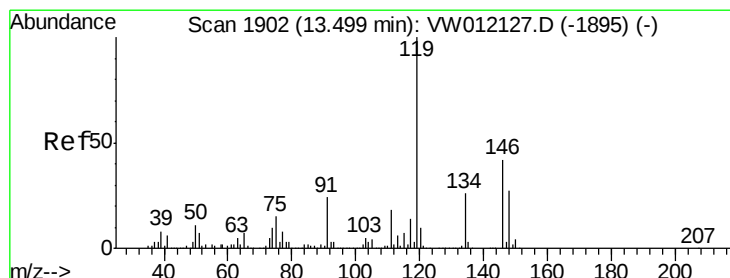
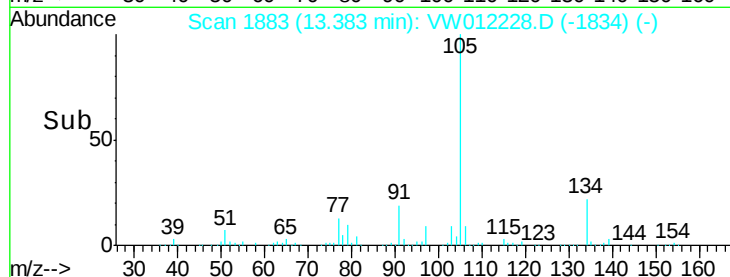
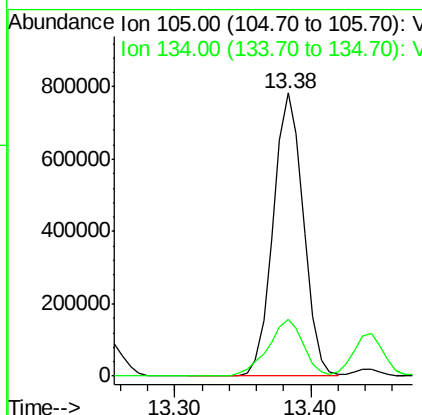
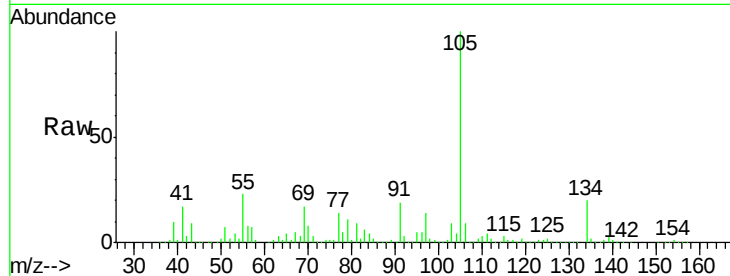




#85
 sec-Butylbenzene
 Concen: 115.976 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012228.D
 Acq: 28 Aug 2019 02:24

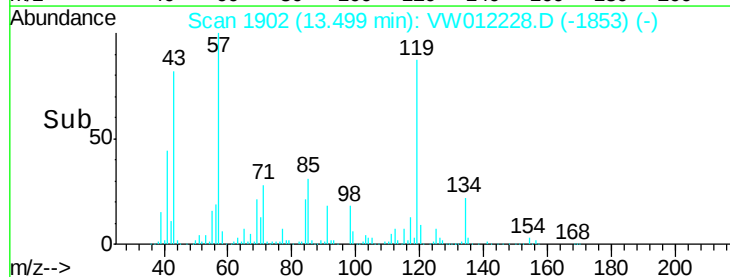
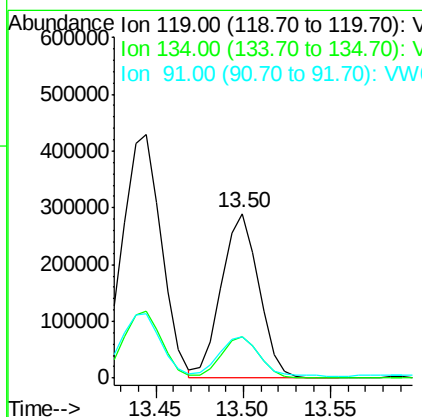
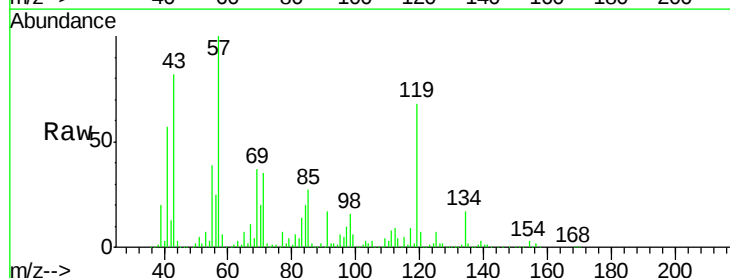
Instrument :
 MSVOA_W
 ClientSampled :
 B-1

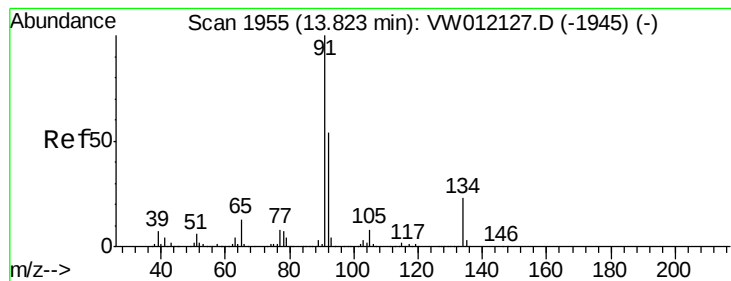
Tot Ion:105 Resp: 1208806
 Ion Ratio Lower Upper
 105 100
 134 23.7 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 46.403 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012228.D
 Acq: 28 Aug 2019 02:24

Tgt Ion:119 Resp: 431934
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.8 38.3
 91 25.4 12.3 36.9





#89

n-Butylbenzene

Concen: 58.910 ug/l m

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012228.D

Acq: 28 Aug 2019 02:24

Instrument :

MSVOA_W

ClientSampleId :

B-1

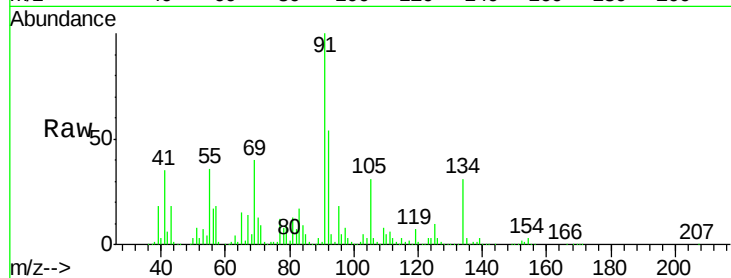
Tot Ion: 91 Resp: 545300

Ion Ratio Lower Upper

91 100

92 58.3 27.1 81.2

134 0.0 12.2 36.4#



Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V

