

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012282.D
 Acq On : 29 Aug 2019 05:03
 Operator : SY/VA
 Sample : K4498-05
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BOTTOM-4

Quant Time: Aug 29 08:19:01 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	230854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	370574	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	280175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	128307	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	135175	49.26	ug/l	0.00
Spiked Amount						
			Recovery	=	98.52%	
35) Dibromofluoromethane	7.88	113	111724	50.51	ug/l	0.00
Spiked Amount						
			Recovery	=	101.02%	
50) Toluene-d8	10.32	98	601947	67.12	ug/l	0.00
Spiked Amount						
			Recovery	=	134.24%	
62) 4-Bromofluorobenzene	12.61	95	202051	63.91	ug/l	0.00
Spiked Amount						
			Recovery	=	127.82%	

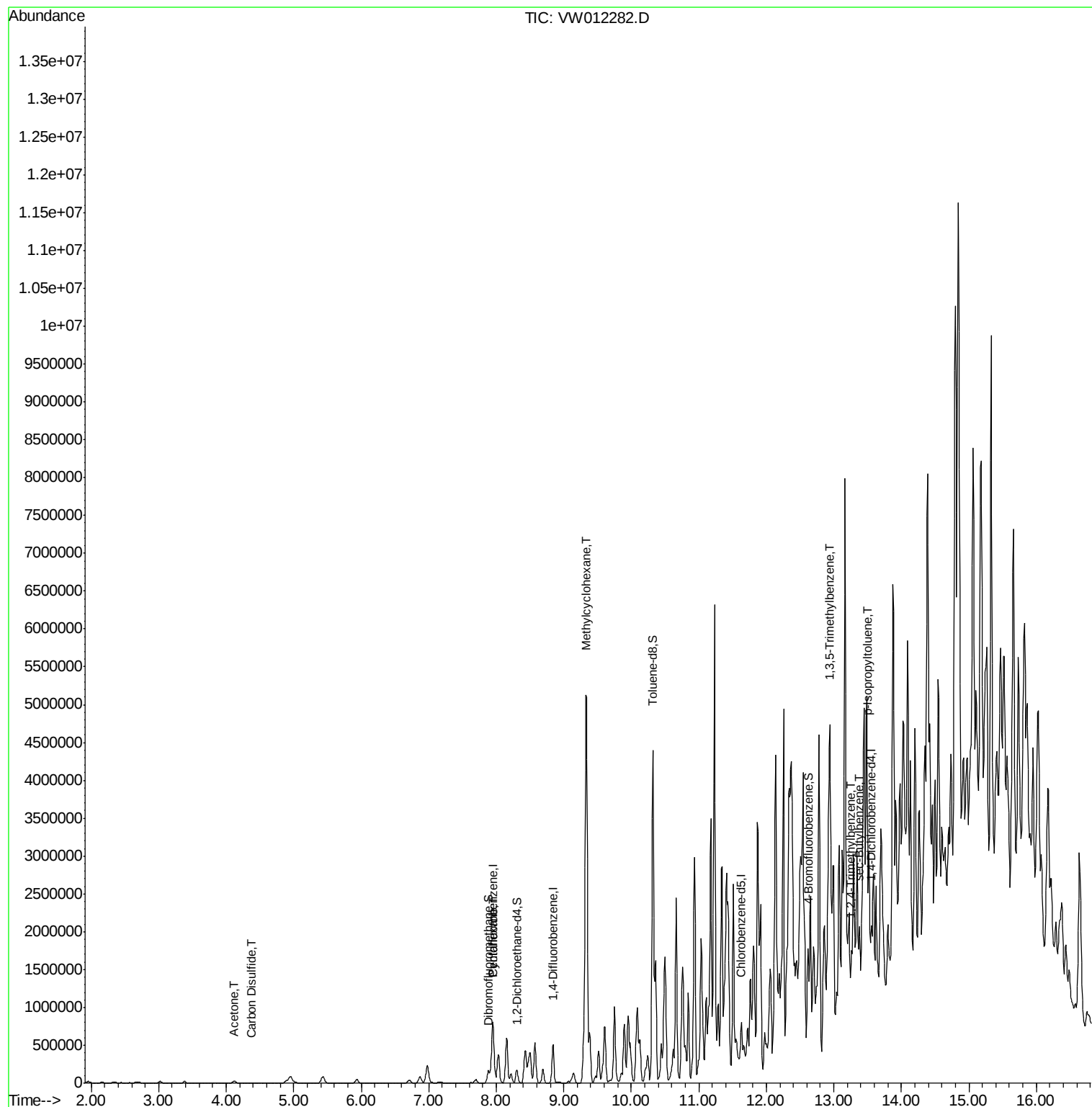
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	53456	76.203	ug/l	99
17) Carbon Disulfide	4.37	76	7929	1.133	ug/l	97
31) Cyclohexane	7.95	56	329341	66.627	ug/l	98
39) Methylcyclohexane	9.34	83	1955289	454.498	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	141673	17.635	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	40722	5.046	ug/l	99
85) sec-Butylbenzene	13.38	105	40488	4.153	ug/l	85
86) p-Isopropyltoluene	13.50	119	163010	18.722	ug/l	99

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012282.D

Acq: 29 Aug 2019 05:03

Instrument :

MSVOA_W

ClientSampleId :

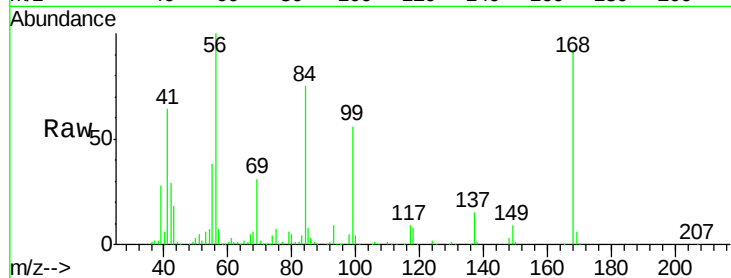
BOTTOM-4

Tot Ion:168 Resp: 230854

Ion Ratio Lower Upper

168 100

99 60.7 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

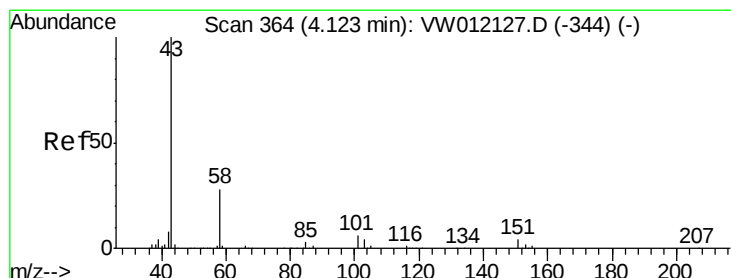
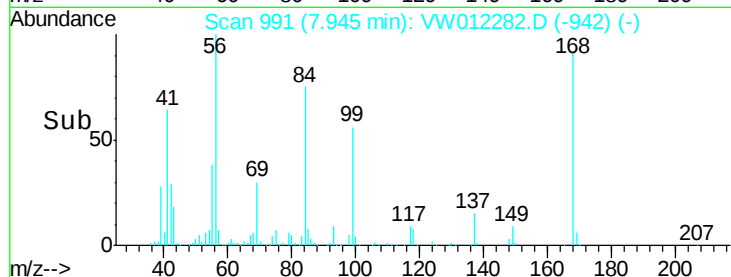
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 76.203 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012282.D

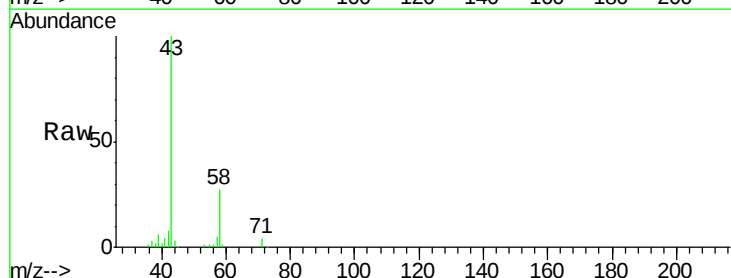
Acq: 29 Aug 2019 05:03

Tgt Ion: 43 Resp: 53456

Ion Ratio Lower Upper

43 100

58 27.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

20000

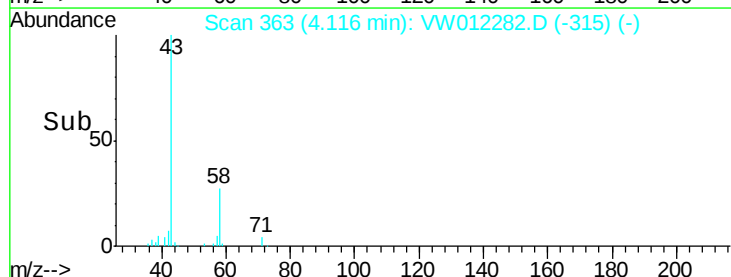
15000

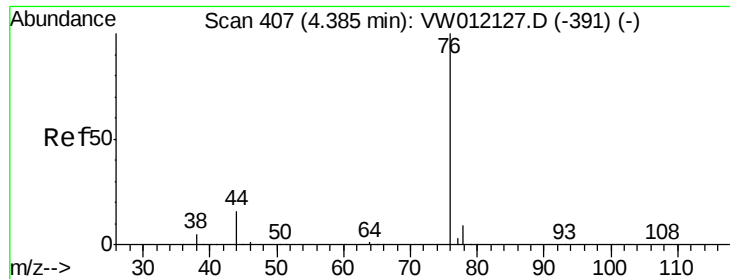
10000

5000

0

Time--> 4.00 4.10 4.20 4.30

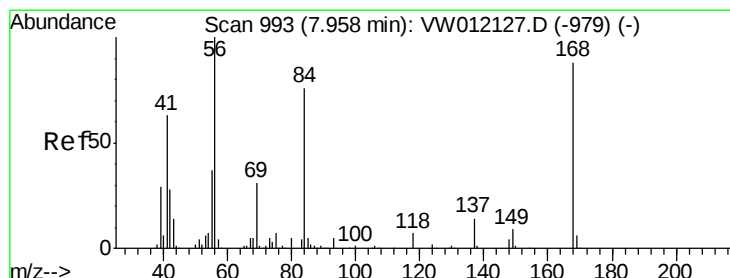
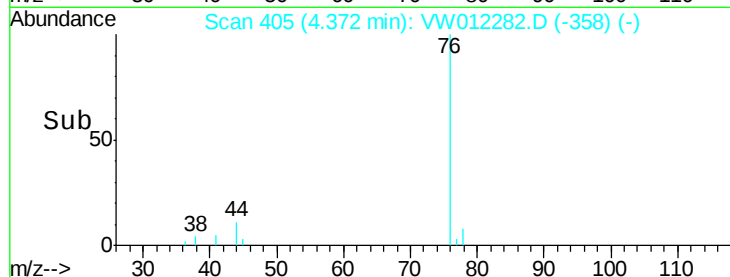
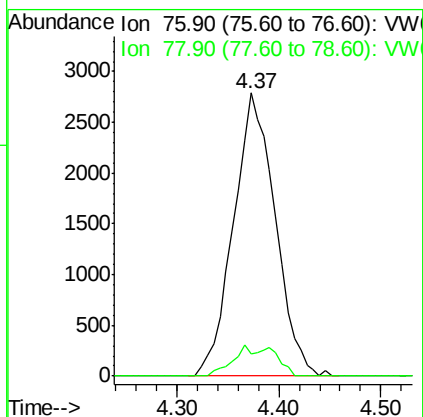
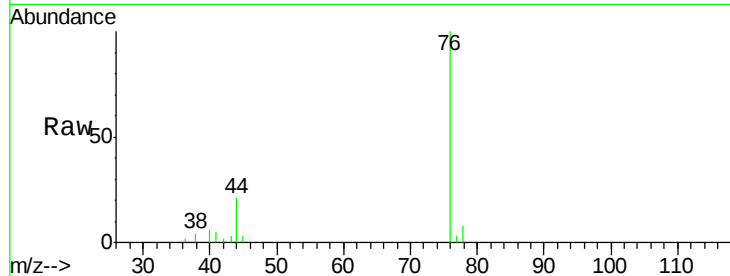




#17
Carbon Disulfide
Concen: 1.133 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW012282.D
Acq: 29 Aug 2019 05:03

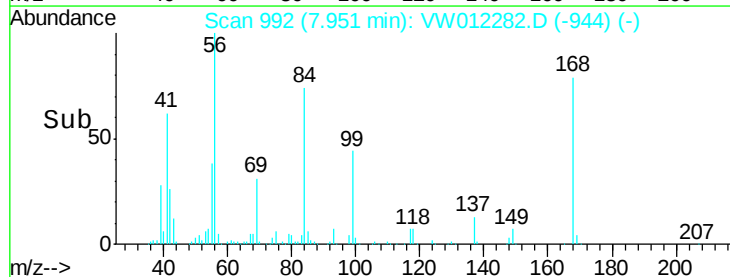
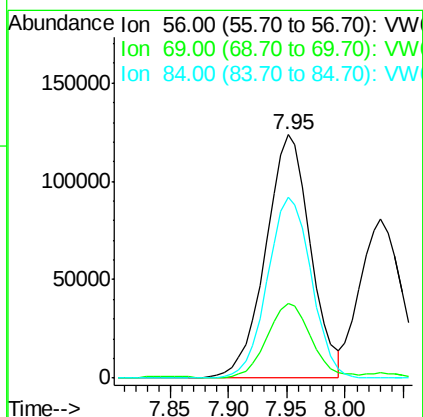
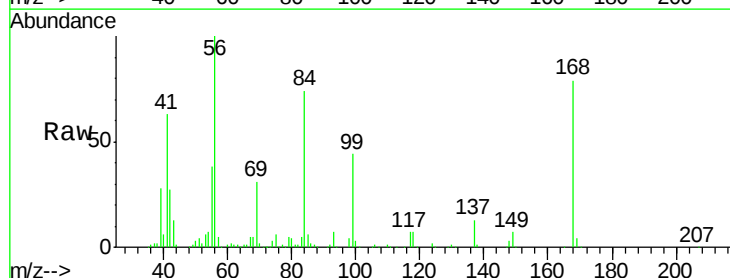
Instrument :
MSVOA_W
ClientSampled :
BOTTOM-4

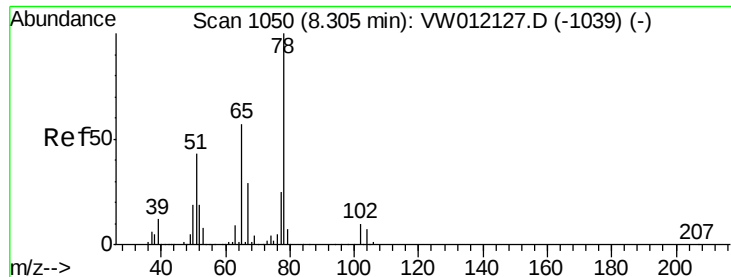
Tot Ion: 76 Resp: 7929
Ion Ratio Lower Upper
76 100
78 8.0 7.3 10.9



#31
Cyclohexane
Concen: 66.627 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012282.D
Acq: 29 Aug 2019 05:03

Tgt Ion: 56 Resp: 329341
Ion Ratio Lower Upper
56 100
69 30.5 24.9 37.3
84 74.2 60.6 90.8





#33

1,2-Dichloroethane-d4

Concen: 49.257 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012282.D

Acq: 29 Aug 2019 05:03

Instrument :

MSVOA_W

ClientSampleId :

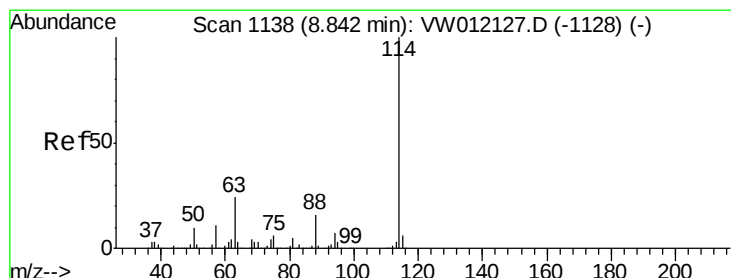
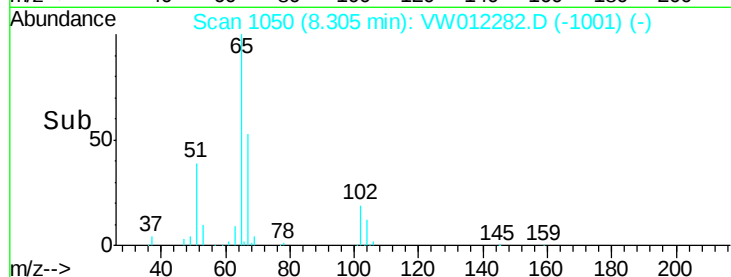
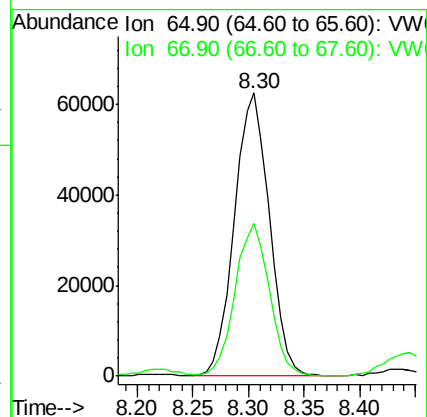
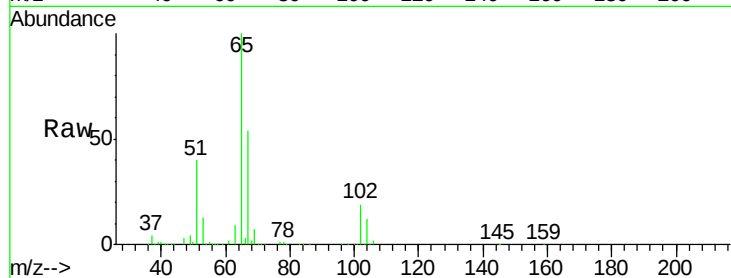
BOTTOM-4

Tot Ion: 65 Resp: 135175

Ion Ratio Lower Upper

65 100

67 52.6 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: VW012282.D

Acq: 29 Aug 2019 05:03

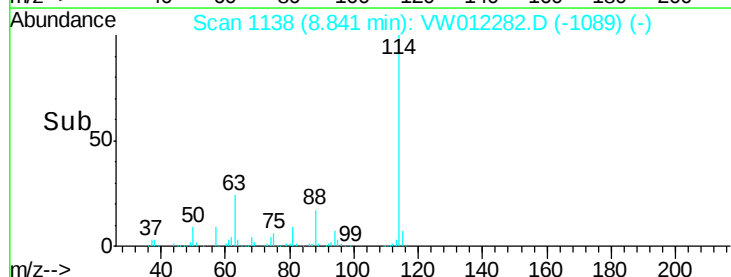
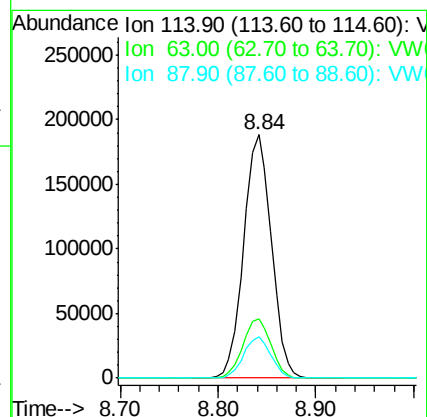
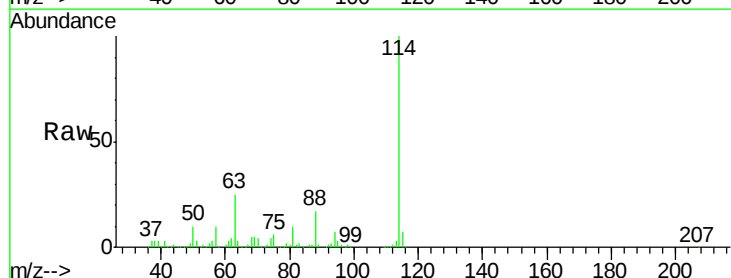
Tgt Ion: 114 Resp: 370574

Ion Ratio Lower Upper

114 100

63 24.5 0.0 48.6

88 17.1 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.509 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012282.D

Acq: 29 Aug 2019 05:03

Instrument :

MSVOA_W

ClientSampleId :

BOTTOM-4

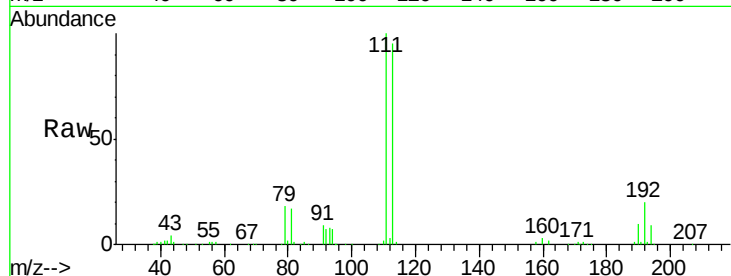
Tot Ion:113 Resp: 111724

Ion Ratio Lower Upper

113 100

111 102.9 82.7 124.1

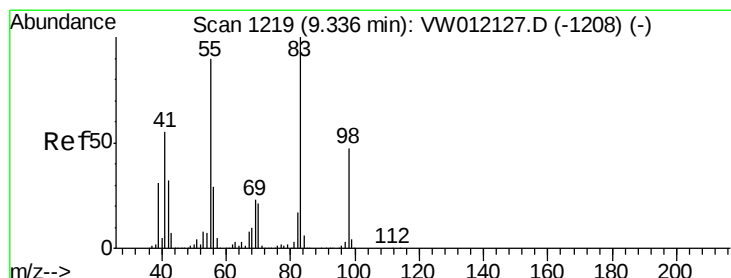
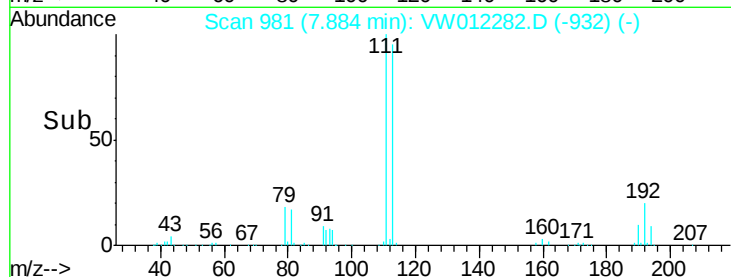
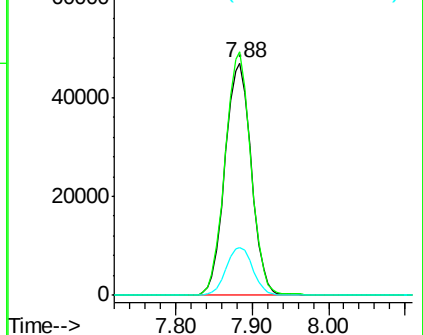
192 20.9 16.2 24.2



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

Methylcyclohexane

Concen: 454.498 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW012282.D

Acq: 29 Aug 2019 05:03

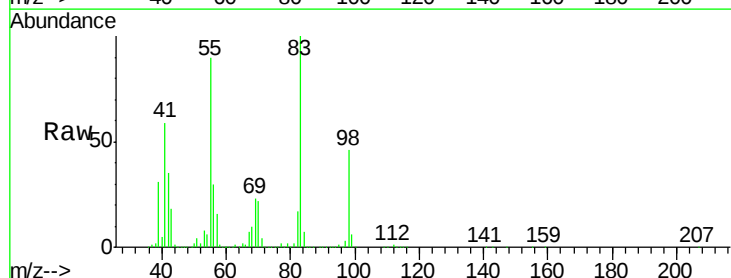
Tgt Ion: 83 Resp: 1955289

Ion Ratio Lower Upper

83 100

55 90.3 71.8 107.8

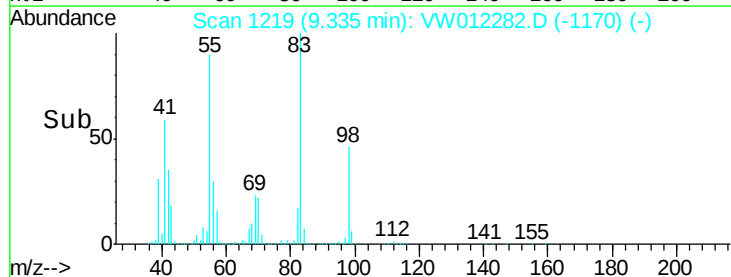
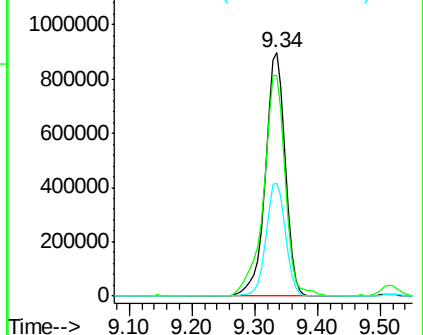
98 46.4 37.8 56.8

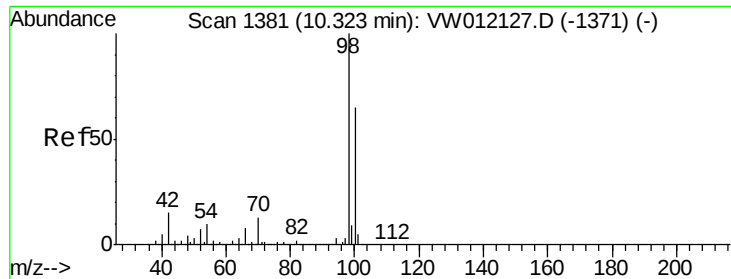


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

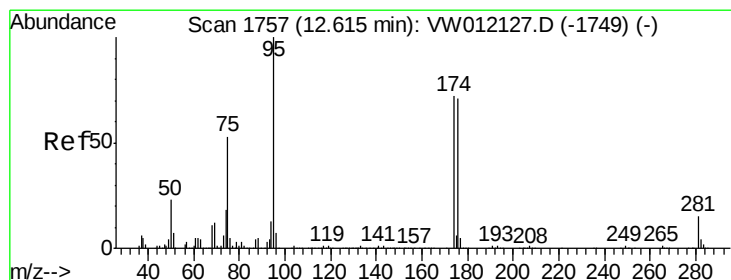
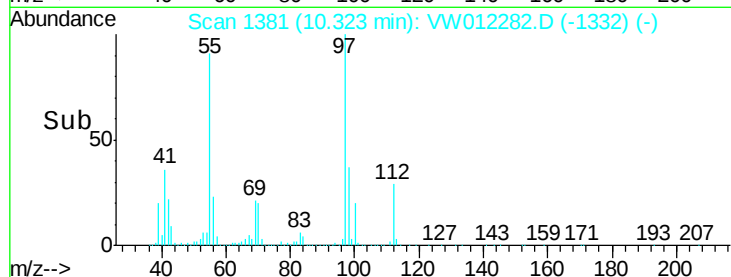
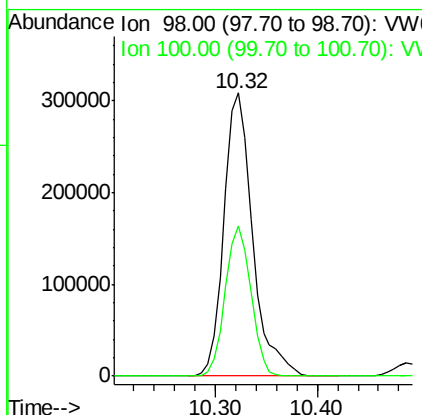
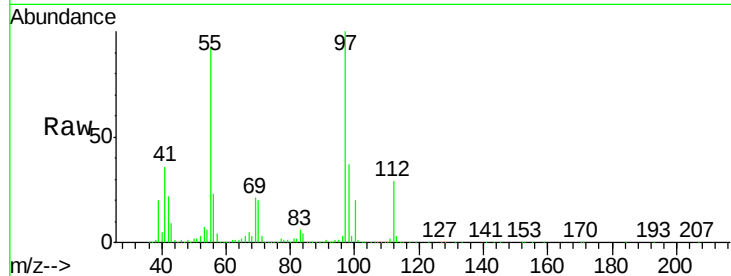




#50
Toluene-d8
Concen: 67.115 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012282.D
Acq: 29 Aug 2019 05:03

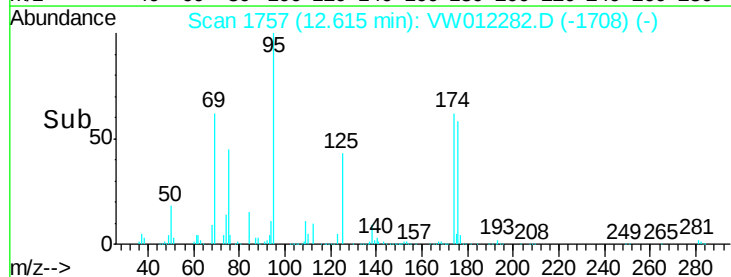
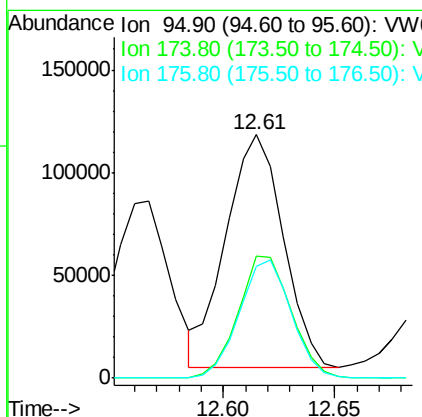
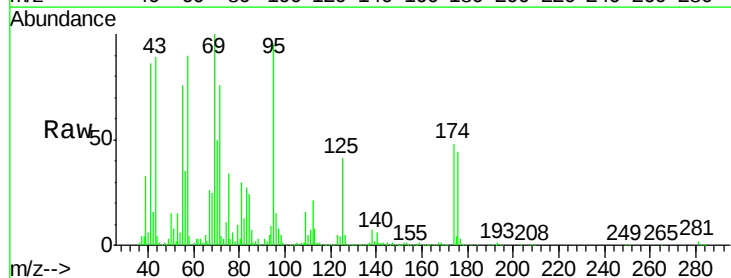
Instrument :
MSVOA_W
ClientSampleId :
BOTTOM-4

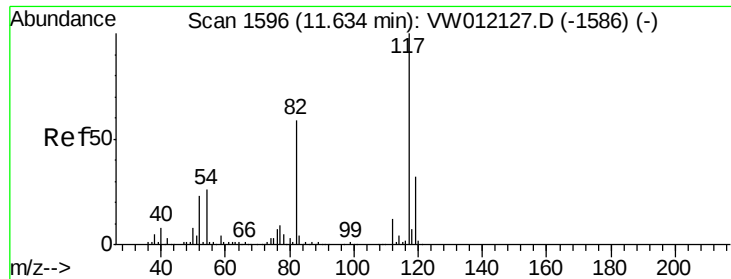
Tot Ion: 98 Resp: 601947
Ion Ratio Lower Upper
98 100
100 47.3 52.4 78.6#



#62
4-Bromofluorobenzene
Concen: 63.909 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012282.D
Acq: 29 Aug 2019 05:03

Tgt Ion: 95 Resp: 202051
Ion Ratio Lower Upper
95 100
174 48.6 0.0 150.8
176 46.5 0.0 148.6

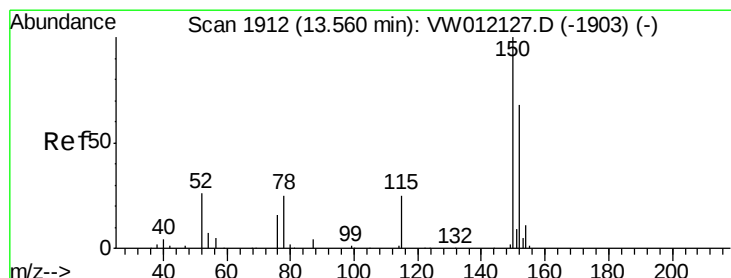
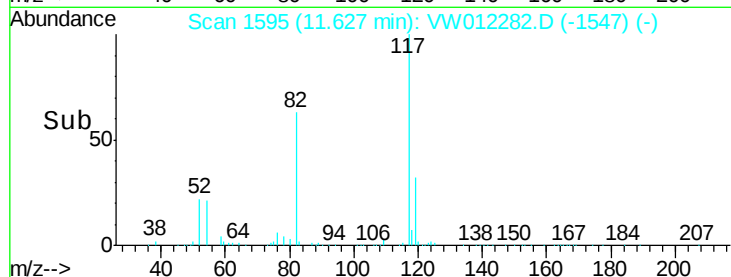
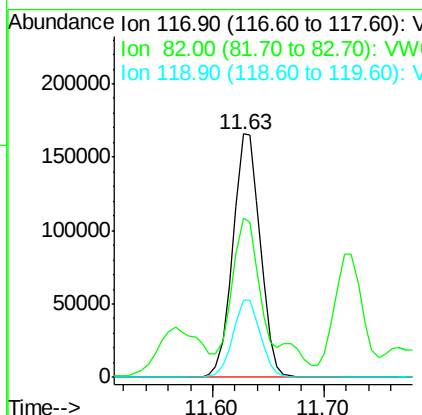
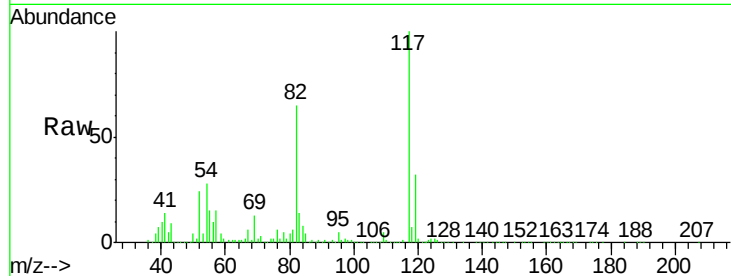




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012282.D
Acq: 29 Aug 2019 05:03

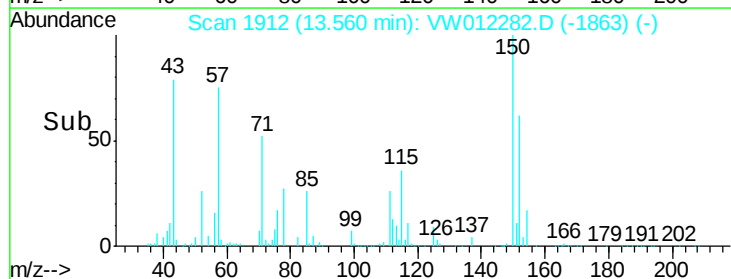
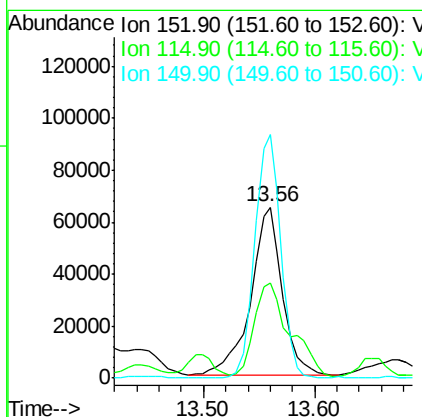
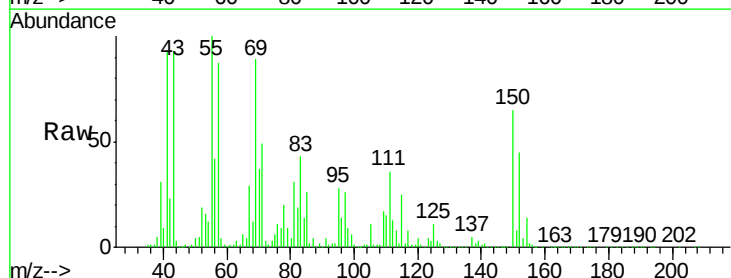
Instrument :
MSVOA_W
ClientSampled :
BOTTOM-4

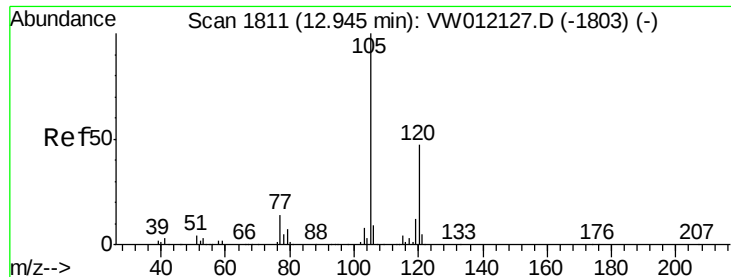
Tot Ion	Ratio	Lower	Upper
117	100		
82	48.6	47.4	71.2
119	31.9	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012282.D
Acq: 29 Aug 2019 05:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	30.1	90.3
150	118.0	0.0	345.8





#80

1,3,5-Trimethylbenzene

Concen: 17.635 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012282.D

Acq: 29 Aug 2019 05:03

Instrument :

MSVOA_W

ClientSampleId :

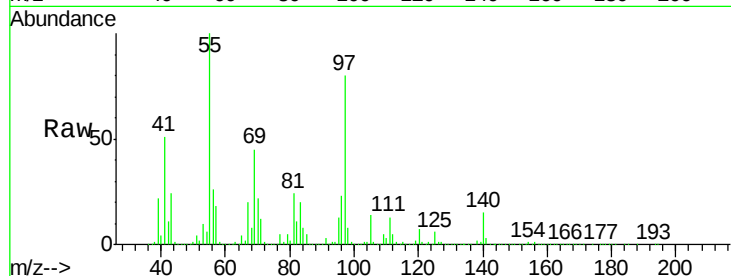
BOTTOM-4

Tot Ion:105 Resp: 141673

Ion Ratio Lower Upper

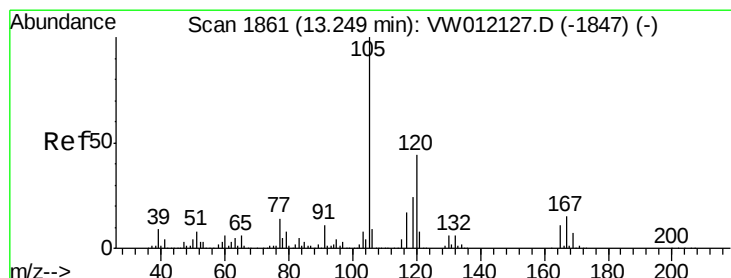
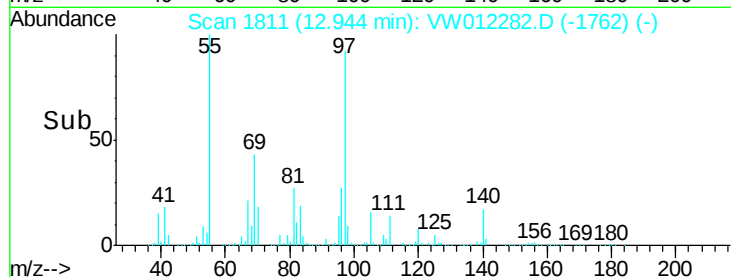
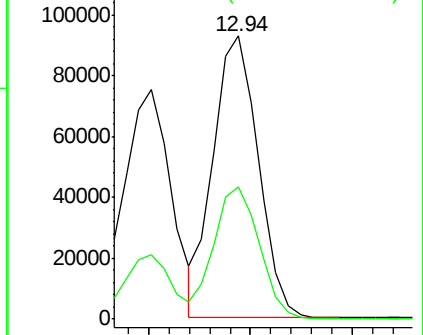
105 100

120 47.0 24.0 72.0



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: 5.046 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW012282.D

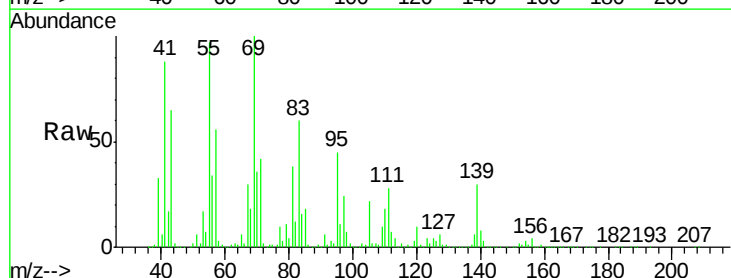
Acq: 29 Aug 2019 05:03

Tgt Ion:105 Resp: 40722

Ion Ratio Lower Upper

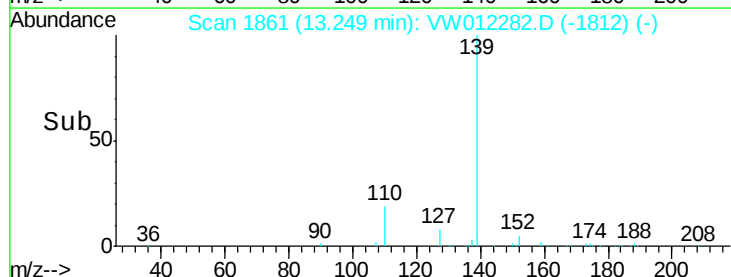
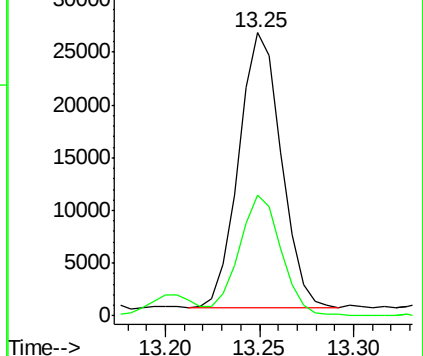
105 100

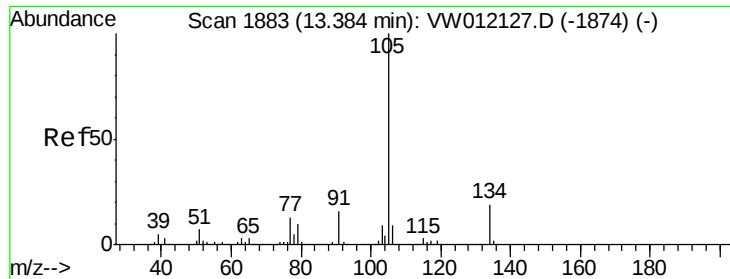
120 43.1 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

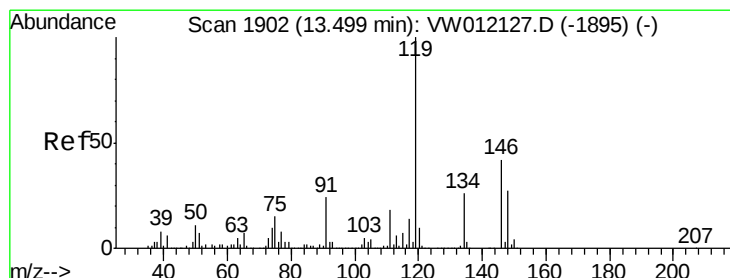
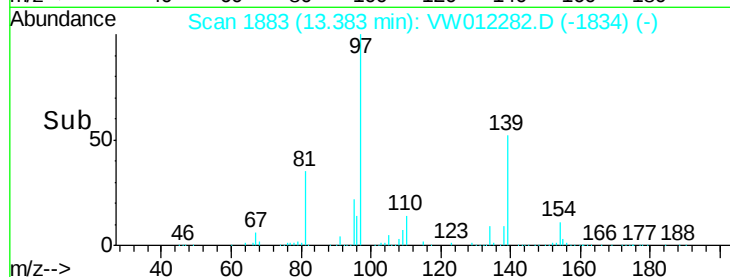
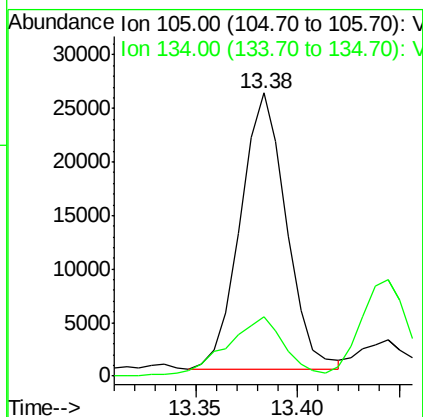
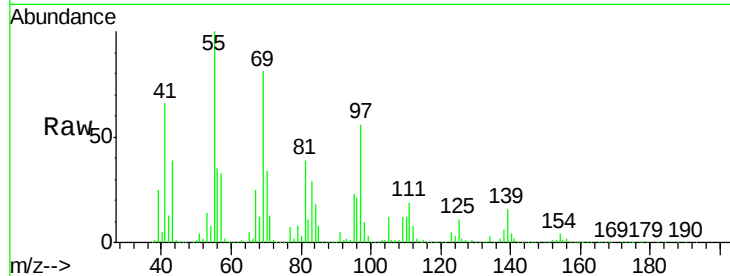




#85
 sec-Butylbenzene
 Concen: 4.153 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012282.D
 Acq: 29 Aug 2019 05:03

Instrument :
 MSVOA_W
 ClientSampleId :
 BOTTOM-4

Tot Ion:105 Resp: 40488
 Ion Ratio Lower Upper
 105 100
 134 26.3 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 18.722 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012282.D
 Acq: 29 Aug 2019 05:03

Tgt Ion:119 Resp: 163010
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 25.7 12.3 36.9

