

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082019\
 Data File : VW012025.D
 Acq On : 20 Aug 2019 12:27
 Operator : SY/VA
 Sample : K4391-03RE
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E-CORNERRE

Quant Time: Aug 20 17:41:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	256261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	425307	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147594	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	154546	52.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.04%	
35) Dibromofluoromethane	7.88	113	126243	52.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.82%	
50) Toluene-d8	10.32	98	566183	57.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	115.92%	
62) 4-Bromofluorobenzene	12.62	95	275799	79.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	158.38%	

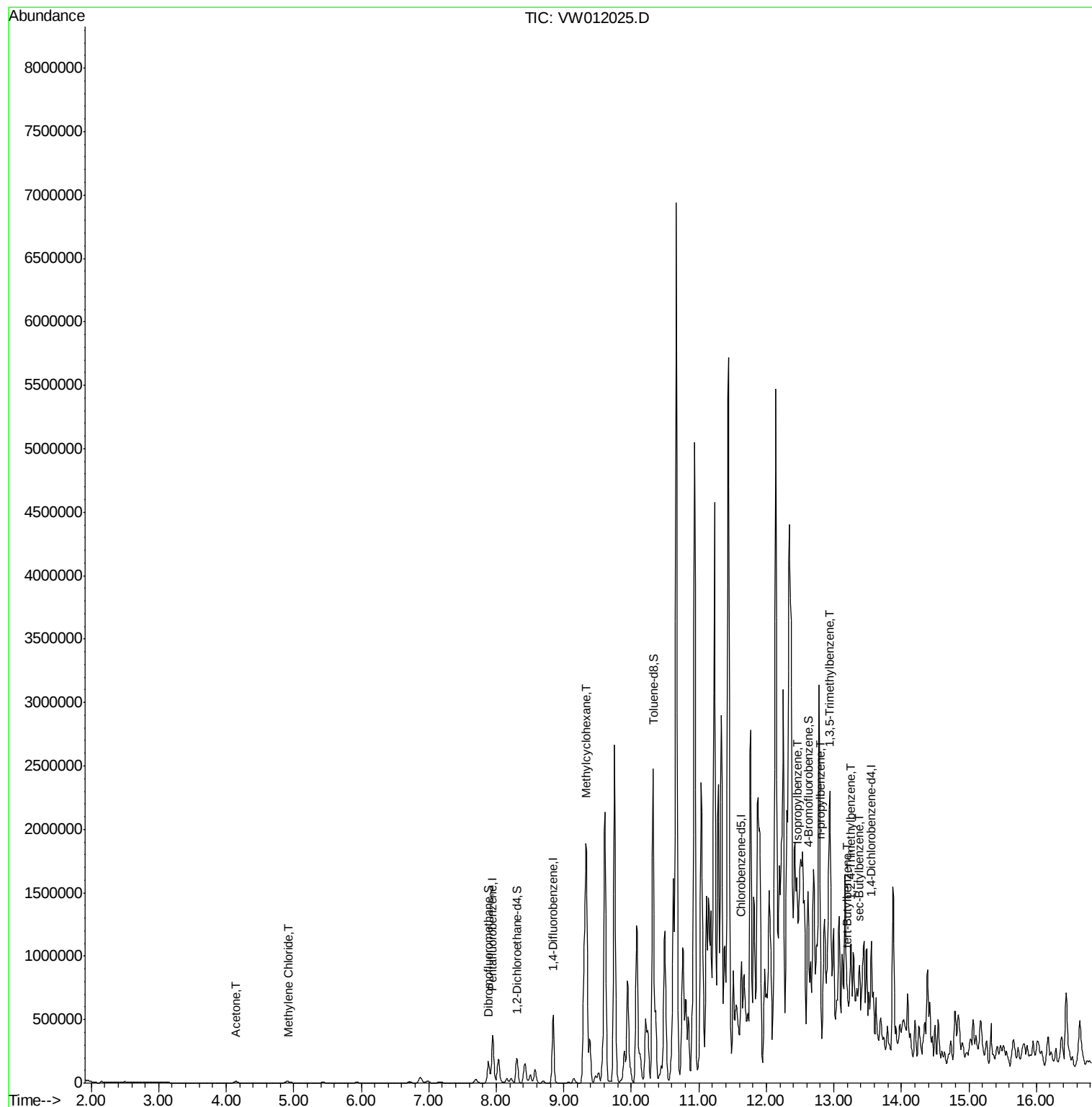
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	25152	26.871	ug/l	99
20) Methylene Chloride	4.92	84	4936	1.529	ug/l	84
39) Methylcyclohexane	9.34	83	595890	122.369	ug/l	90
73) Isopropylbenzene	12.46	105	93449	8.487	ug/l	99
78) n-propylbenzene	12.80	91	128557	9.594	ug/l	94
80) 1,3,5-Trimethylbenzene	12.94	105	185880	20.139	ug/l	99
83) tert-Butylbenzene	13.21	119	41180	5.335	ug/l	93
84) 1,2,4-Trimethylbenzene	13.25	105	324101	34.858	ug/l	99
85) sec-Butylbenzene	13.38	105	169612	15.401	ug/l #	57

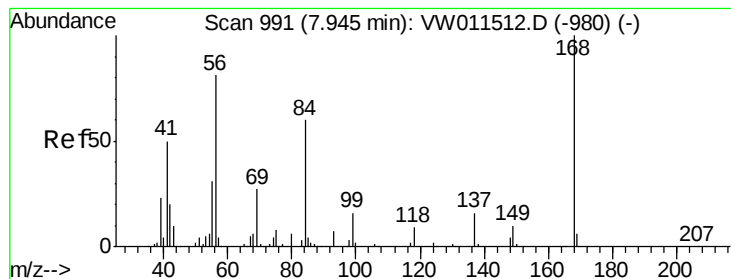
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082019\
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QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012025.D

Acq: 20 Aug 2019 12:27

Instrument :

MSVOA_W

ClientSampleId :

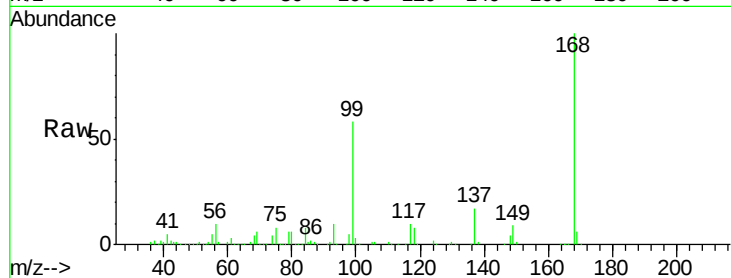
E-CORNERRE

Tot Ion:168 Resp: 256261

Ion Ratio Lower Upper

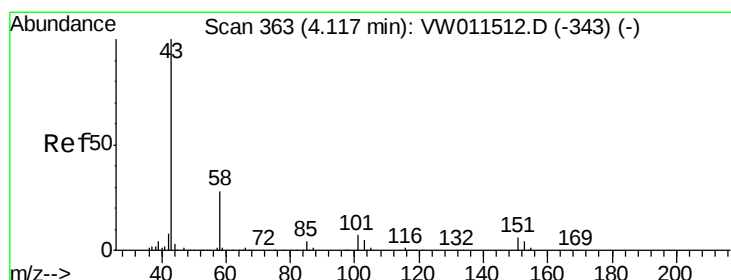
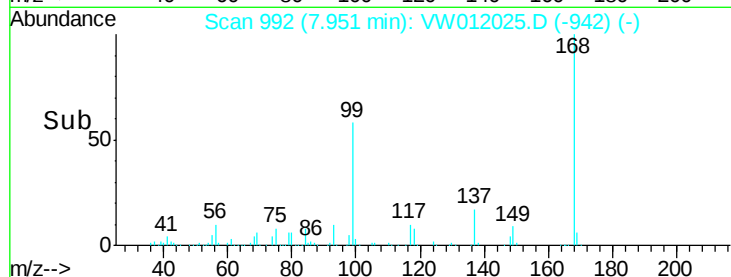
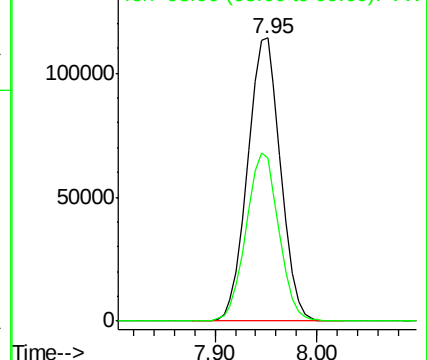
168 100

99 57.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 26.871 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012025.D

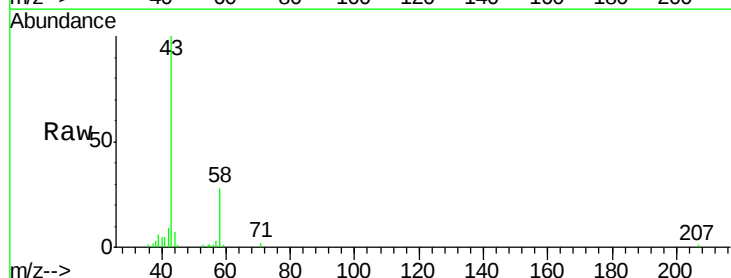
Acq: 20 Aug 2019 12:27

Tgt Ion: 43 Resp: 25152

Ion Ratio Lower Upper

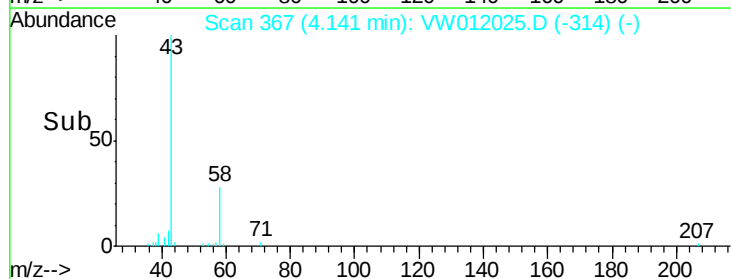
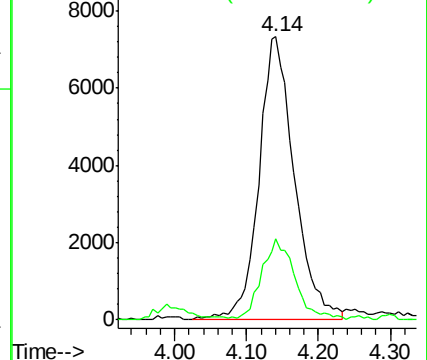
43 100

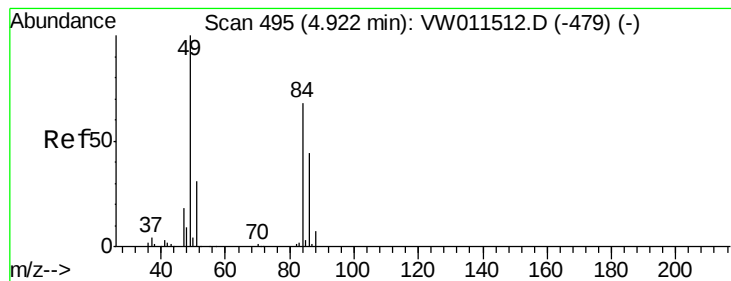
58 27.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 1.529 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW012025.D

Acq: 20 Aug 2019 12:27

Instrument :
MSVOA_W
ClientSampleId :
E-CORNERRE

Tot Ion: 84 Resp: 4936

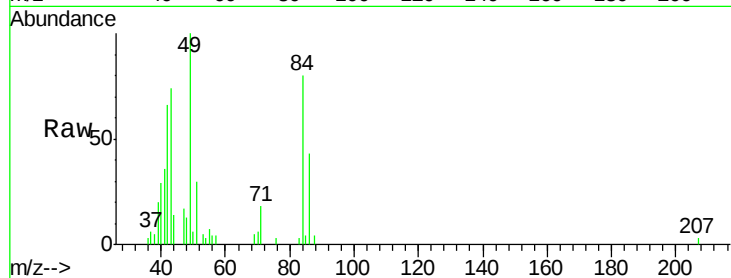
Ion	Ratio	Lower	Upper
84	100		
49	125.1	117.8	176.6
51	37.2	37.0	55.4
86	53.7	51.8	77.8

84 100

49 125.1 117.8 176.6

51 37.2 37.0 55.4

86 53.7 51.8 77.8



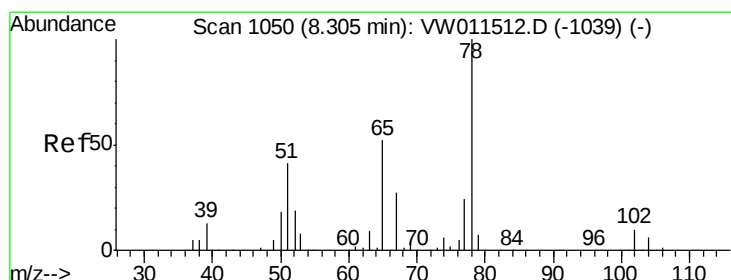
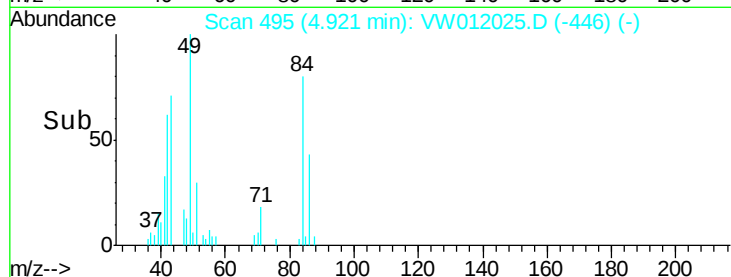
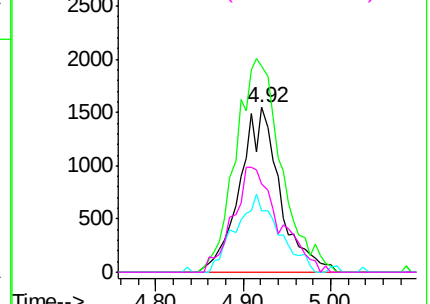
Abundance

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



#33

1,2-Dichloroethane-d4

Concen: 52.520 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012025.D

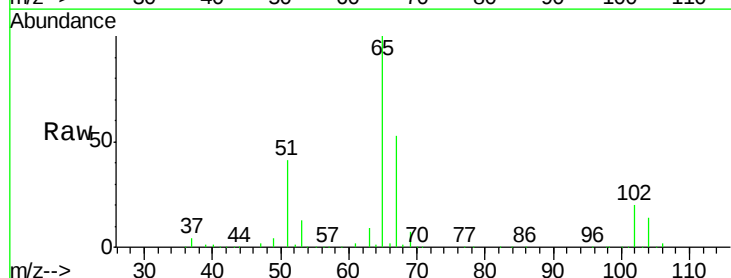
Acq: 20 Aug 2019 12:27

Tgt Ion: 65 Resp: 154546

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	105.2

65 100

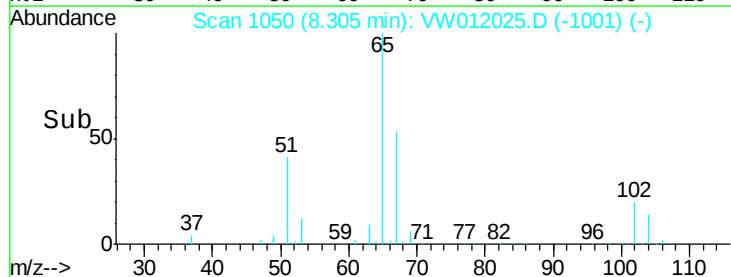
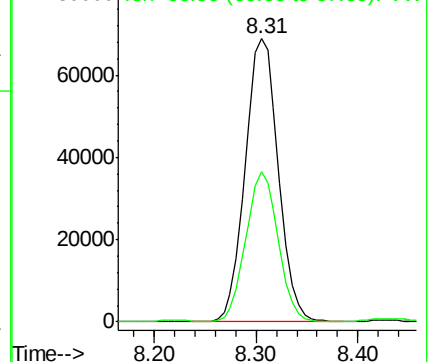
67 51.7 0.0 105.2

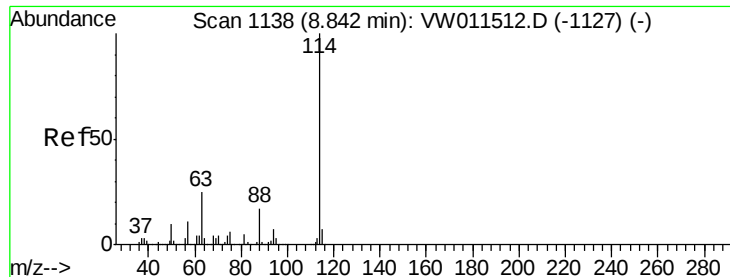


Abundance

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: VW012025.D

Acq: 20 Aug 2019 12:27

Instrument :

MSVOA_W

ClientSampleId :

E-CORNERRE

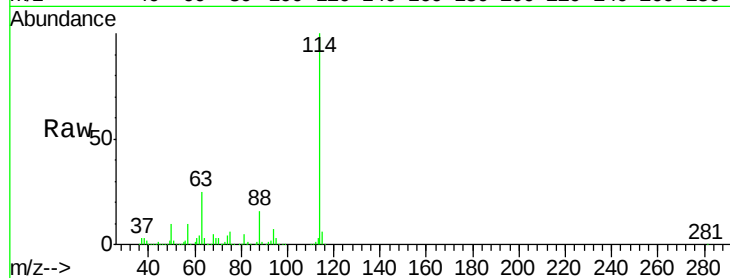
Tot Ion:114 Resp: 425307

Ion Ratio Lower Upper

114 100

63 24.5 0.0 49.2

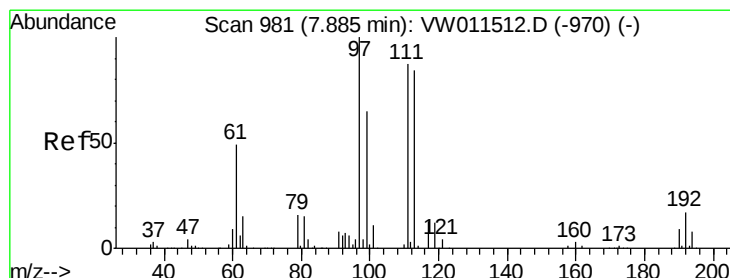
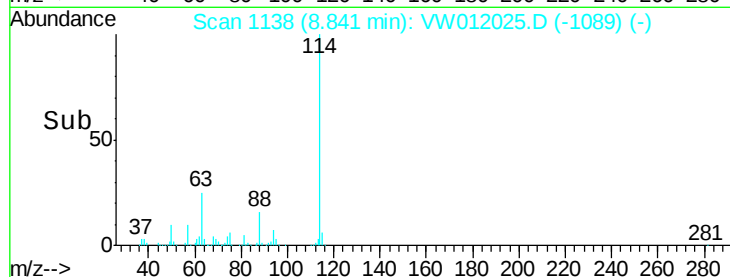
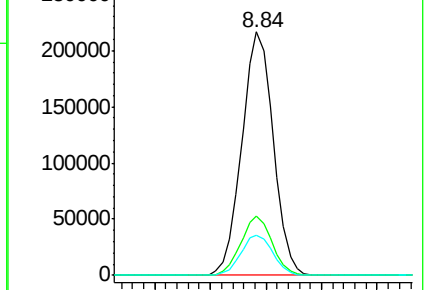
88 16.5 0.0 33.8



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: 52.909 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012025.D

Acq: 20 Aug 2019 12:27

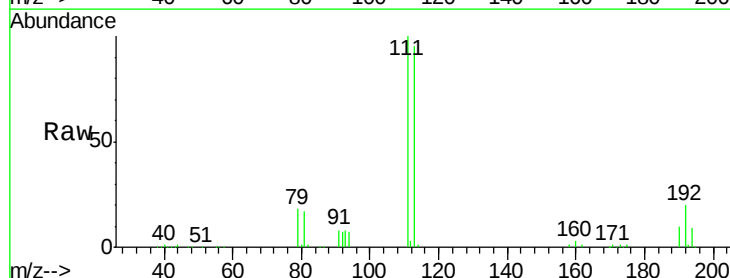
Tgt Ion:113 Resp: 126243

Ion Ratio Lower Upper

113 100

111 102.9 82.7 124.1

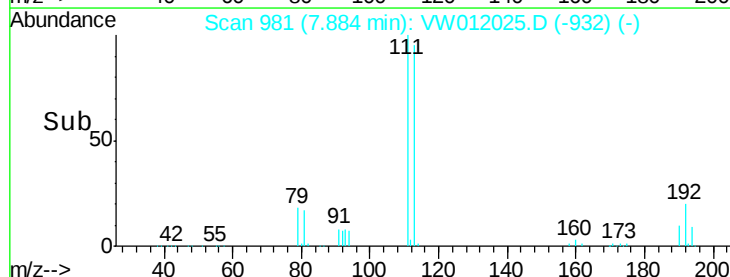
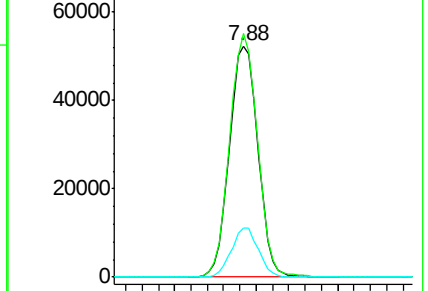
192 20.2 16.1 24.1

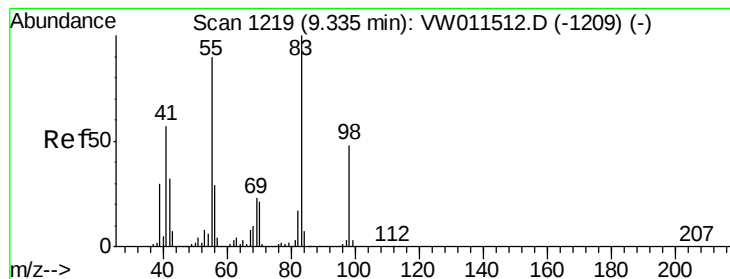


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

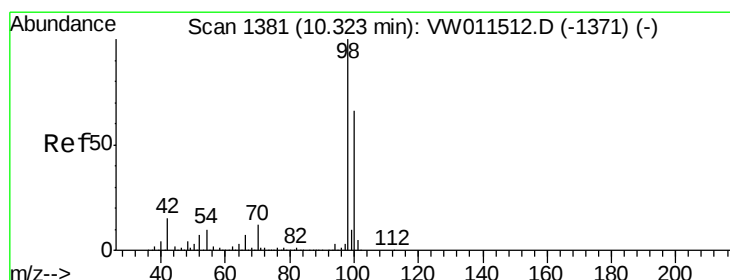
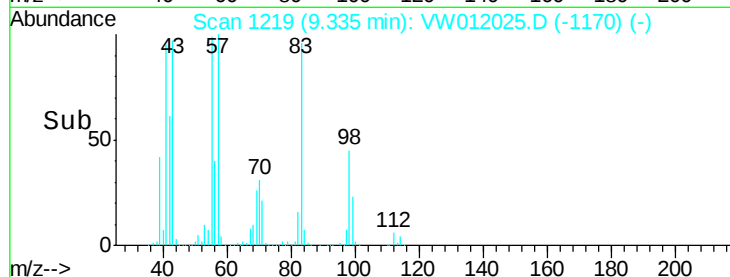
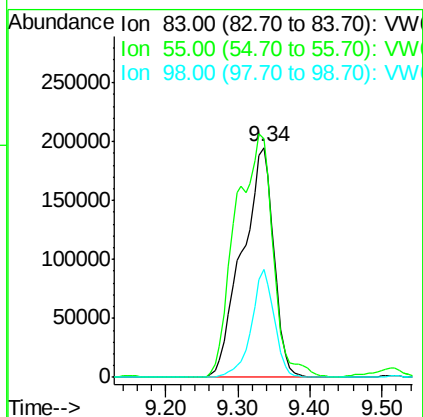
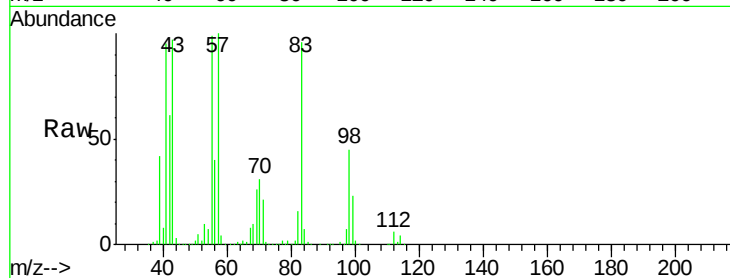




#39
Methvlcvclohexane
Concen: 122.369 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012025.D
Acq: 20 Aug 2019 12:27

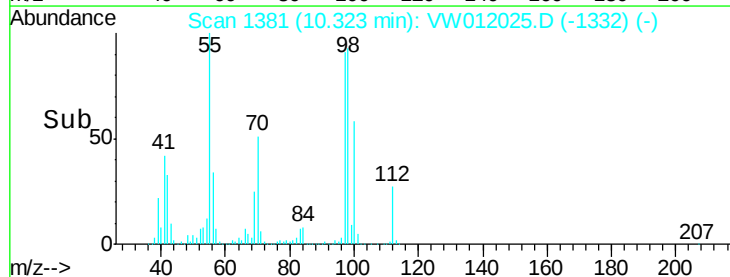
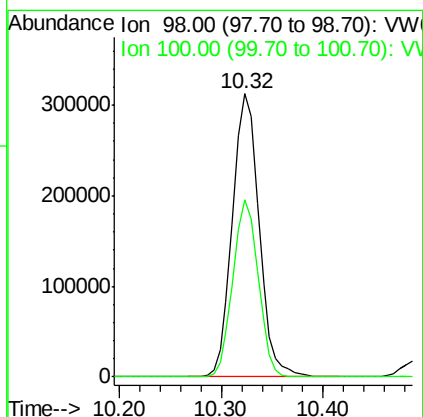
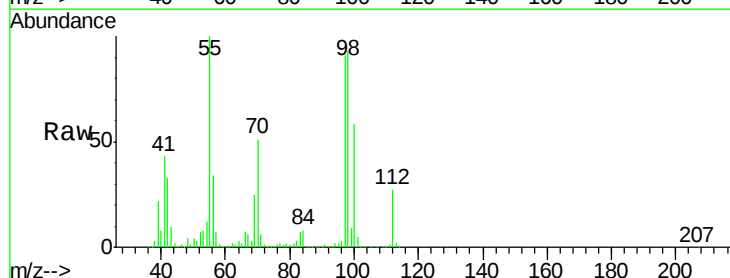
Instrument :
MSVOA_W
ClientSampleId :
E-CORNERRE

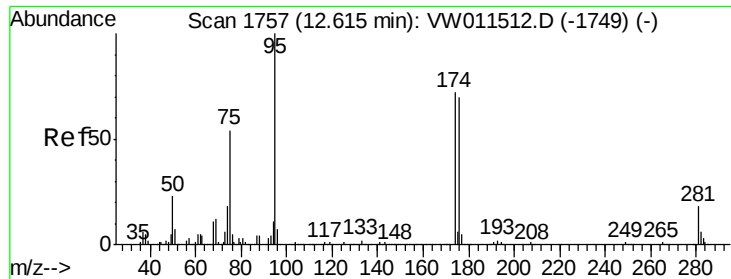
Tot Ion: 83 Resp: 595890
Ion Ratio Lower Upper
83 100
55 103.5 72.1 108.1
98 47.0 38.6 57.8



#50
Toluene-d8
Concen: 57.956 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012025.D
Acq: 20 Aug 2019 12:27

Tgt Ion: 98 Resp: 566183
Ion Ratio Lower Upper
98 100
100 59.2 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 79.186 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012025.D

Acq: 20 Aug 2019 12:27

Instrument :

MSVOA_W

ClientSampleId :

E-CORNERRE

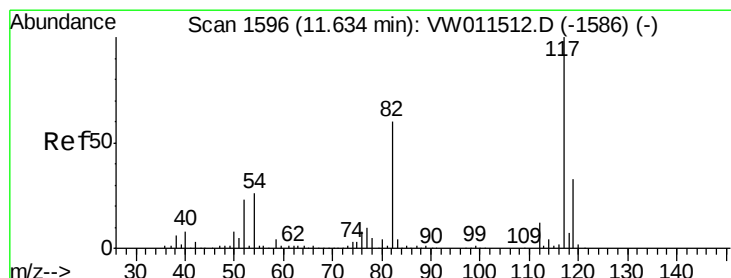
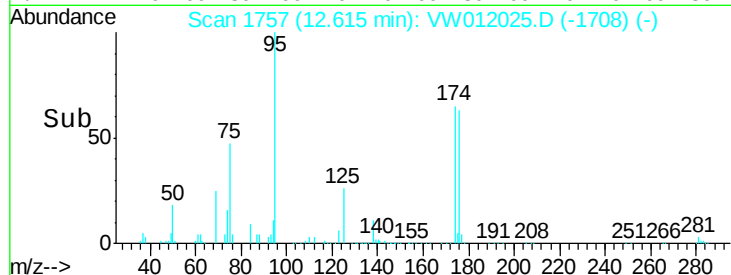
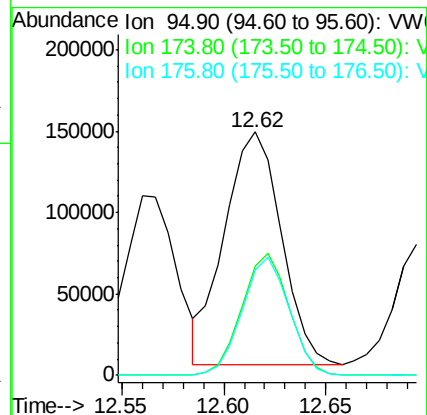
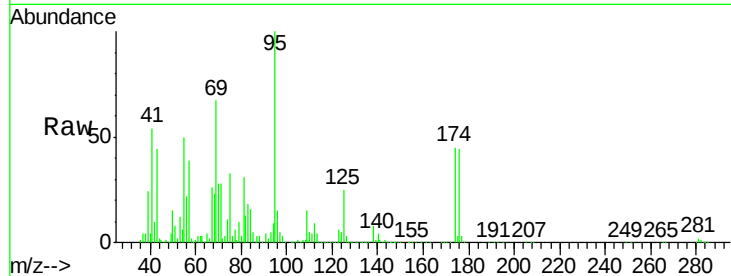
Tot Ion: 95 Resp: 275799

Ion Ratio Lower Upper

95 100

174 43.9 0.0 150.2

176 42.3 0.0 144.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012025.D

Acq: 20 Aug 2019 12:27

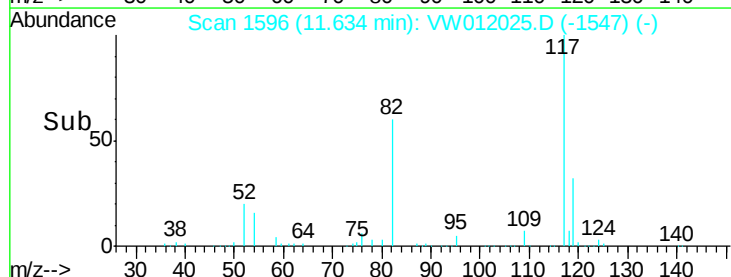
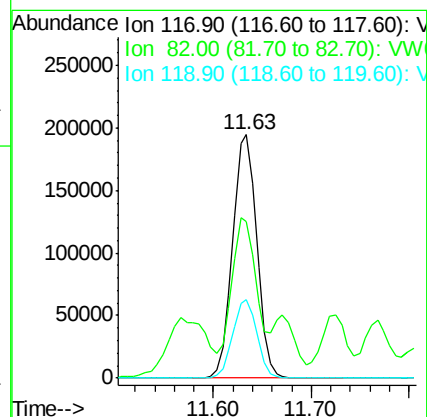
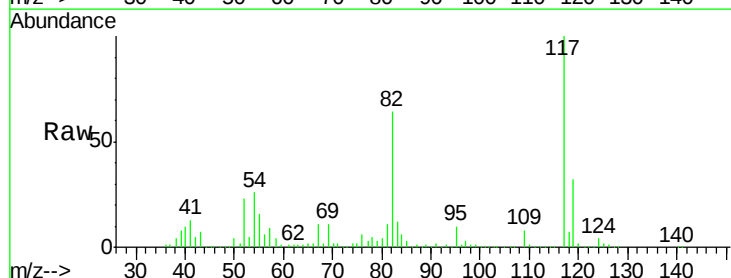
Tgt Ion: 117 Resp: 333003

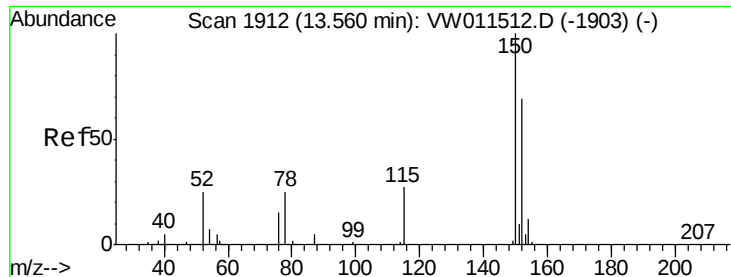
Ion Ratio Lower Upper

117 100

82 42.5 47.9 71.9#

119 32.0 26.2 39.2



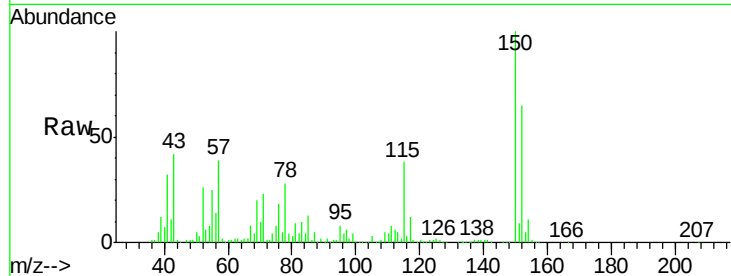


#72

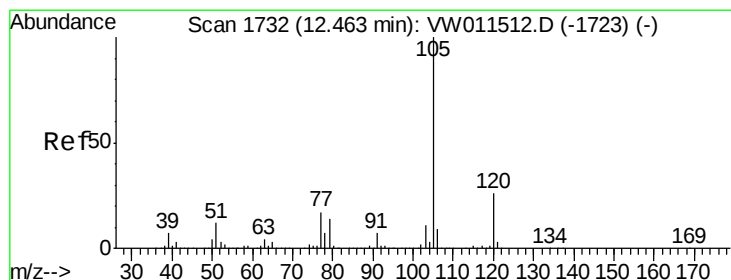
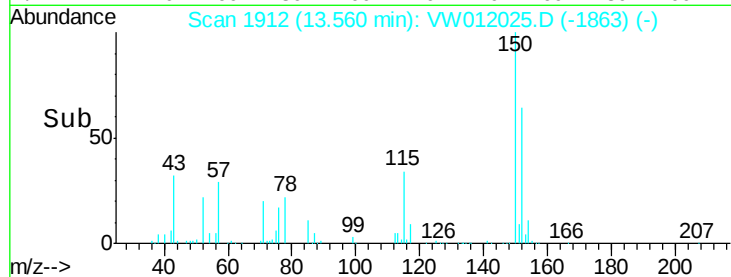
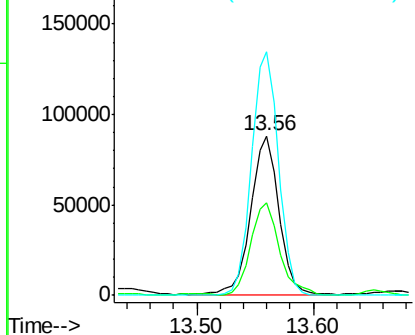
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012025.D
Acq: 20 Aug 2019 12:27

Instrument :
MSVOA_W
ClientSampleId :
E-CORNERRE

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.6	30.5	91.5
150	146.5	0.0	352.6



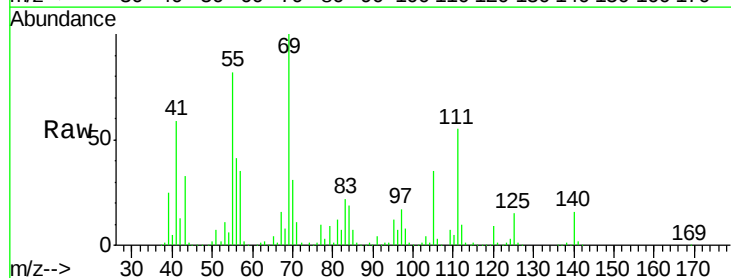
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



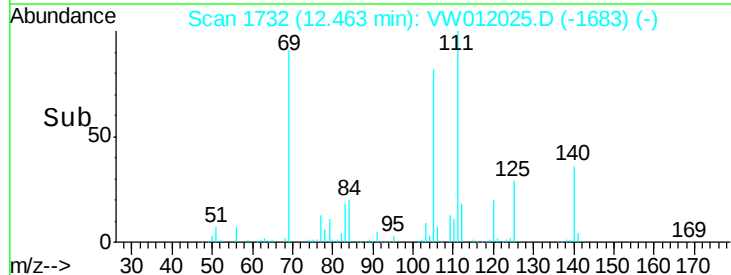
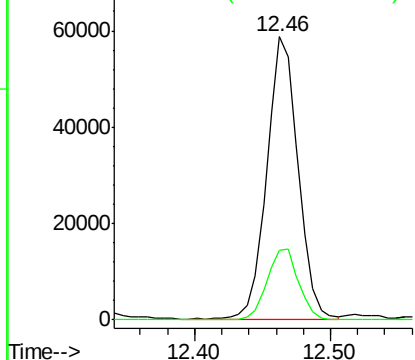
#73

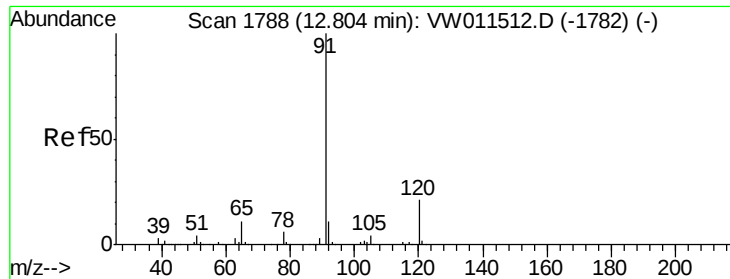
Isopropylbenzene
Concen: 8.487 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012025.D
Acq: 20 Aug 2019 12:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.7



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





#78

n-propylbenzene

Concen: 9.594 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012025.D

Acq: 20 Aug 2019 12:27

Instrument :

MSVOA_W

ClientSampleId :

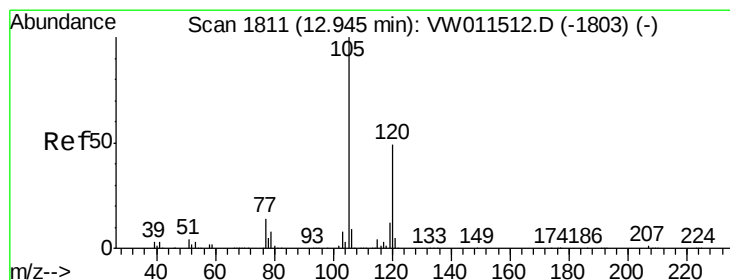
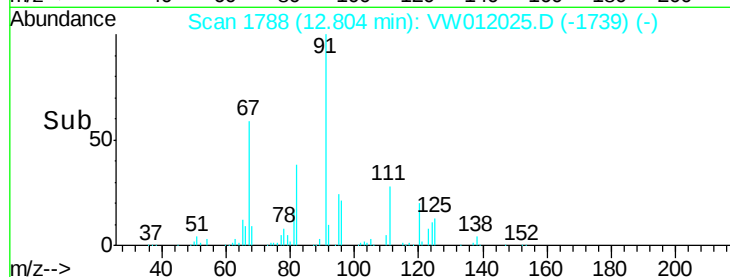
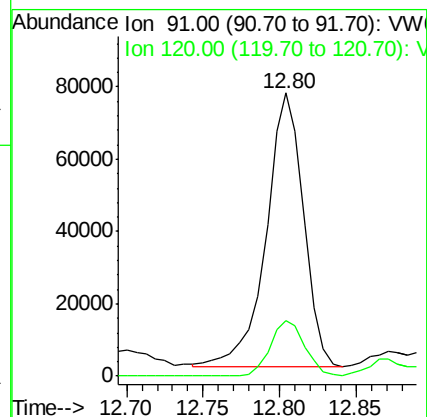
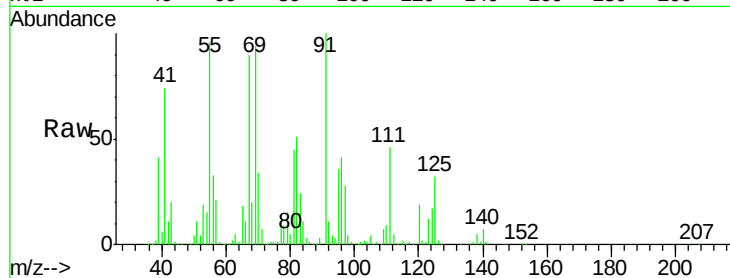
E-CORNERRE

Tot Ion: 91 Resp: 128557

Ion Ratio Lower Upper

91 100

120 19.0 10.9 32.7



#80

1,3,5-Trimethylbenzene

Concen: 20.139 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012025.D

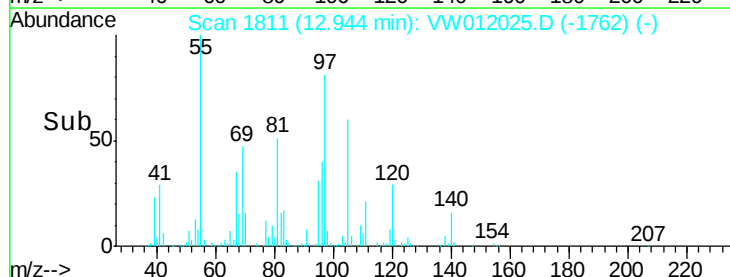
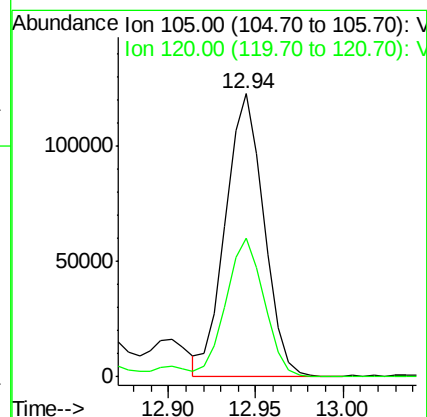
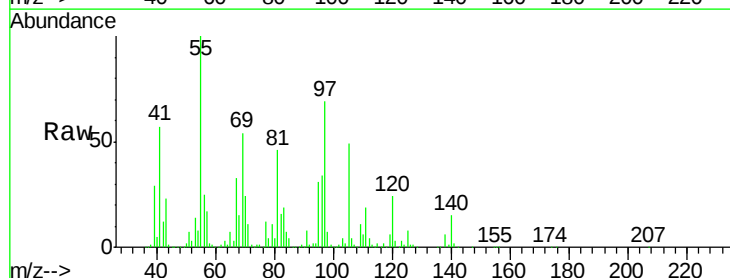
Acq: 20 Aug 2019 12:27

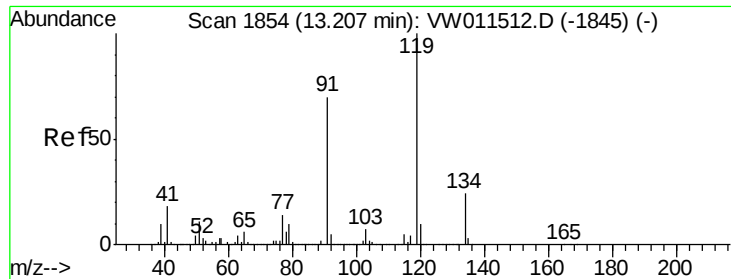
Tgt Ion:105 Resp: 185880

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.3

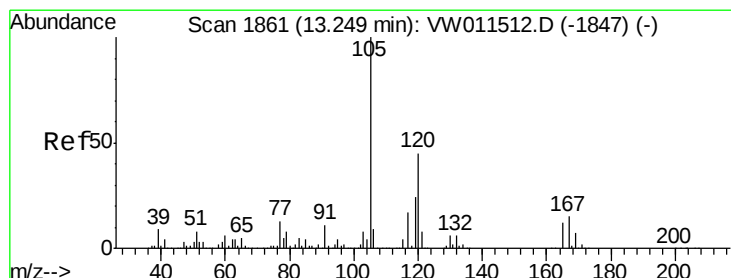
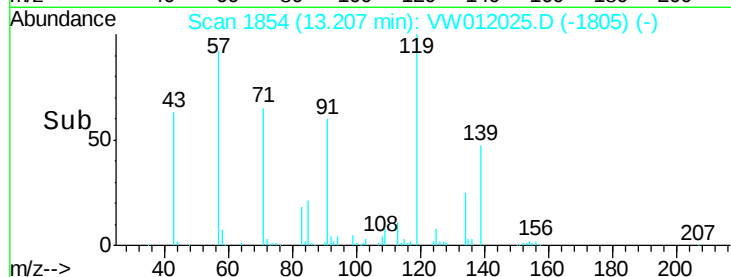
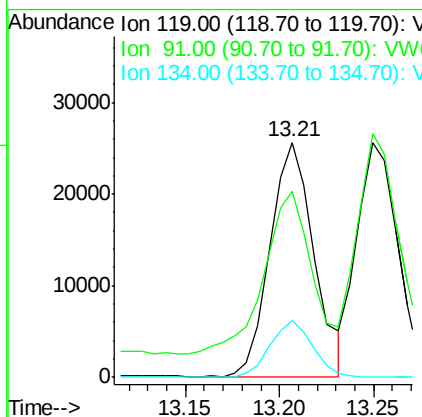
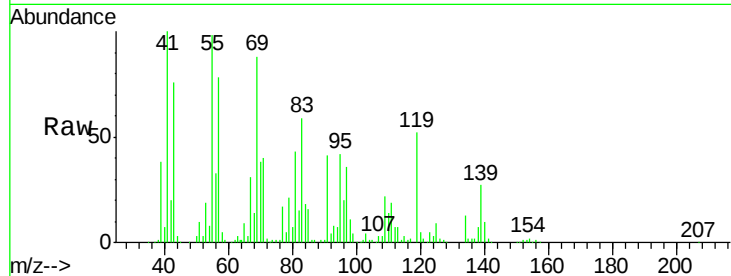




#83
tert-Butylbenzene
Concen: 5.335 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012025.D
Acq: 20 Aug 2019 12:27

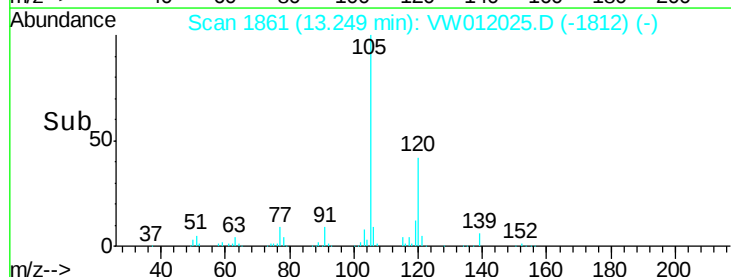
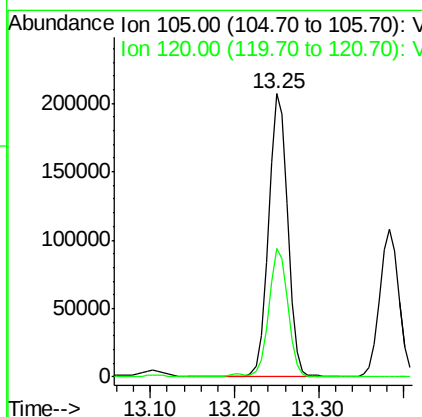
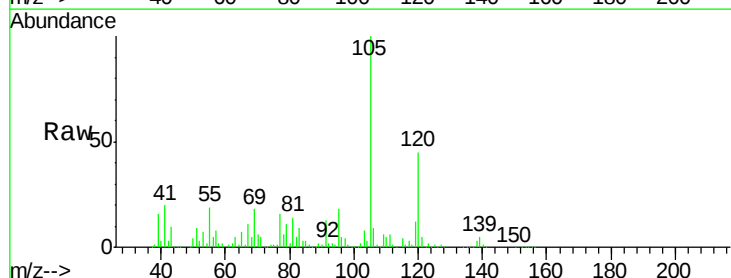
Instrument :
MSVOA_W
ClientSampleId :
E-CORNERRE

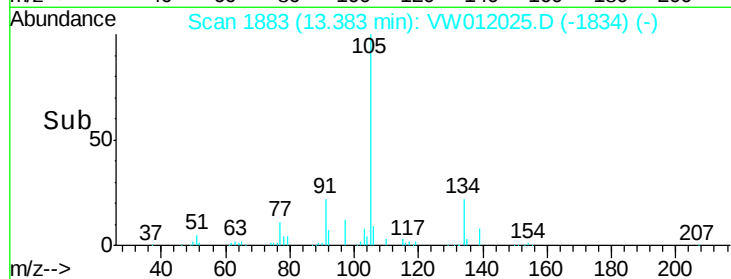
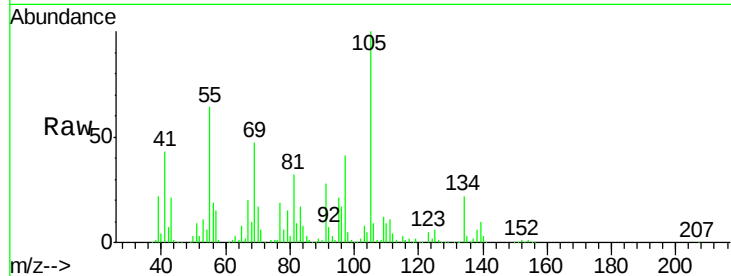
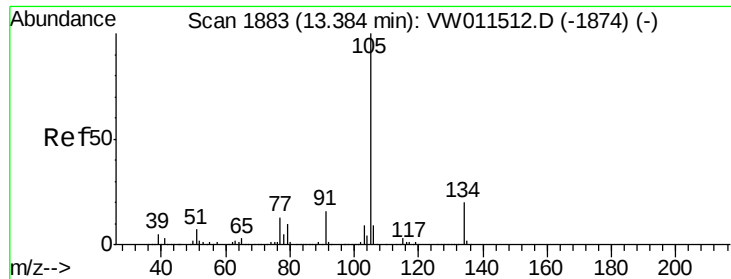
Tot Ion:119 Resp: 41180
Ion Ratio Lower Upper
119 100
91 76.3 34.5 103.6
134 23.7 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 34.858 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012025.D
Acq: 20 Aug 2019 12:27

Tgt Ion:105 Resp: 324101
Ion Ratio Lower Upper
105 100
120 45.0 22.1 66.5





#85

sec-Butylbenzene

Concen: 15.401 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012025.D

Acq: 20 Aug 2019 12:27

Instrument :

MSVOA_W

ClientSampleId :

E-CORNERRE

Tot Ion:105 Resp: 169612

Ion Ratio Lower Upper

105 100

134 38.8 9.7 29.1#

