

Data File : VV012911.D
Acq On : 19 Sep 2019 00:07
Operator : SY/MD
Sample : K4649-06DL 20X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5169DL

Quant Time: Sep 19 05:18:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 19 05:14:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	373848	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	362205	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	134301	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	155601	7.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	147.20%#
7) Chloroethane-d5	1.58	69	140084	9.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	188.80%#
11) 1,1-Dichloroethene-d2	2.13	63	199388	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.00%
20) 2-Butanone-d5	3.97	46	199430	41.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.00%
24) Chloroform-d	4.40	84	278545	6.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.80%
26) 1,2-Dichloroethane-d4	5.08	65	139840	5.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.00%
32) Benzene-d6	5.10	84	563722	6.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	123.60%
36) 1,2-Dichloropropane-d6	6.12	67	177757	6.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	139.40%
41) Toluene-d8	7.36	98	443237	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	7.67	79	55710	5.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.00%
46) 2-Hexanone-d5	8.14	63	224210	56.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.64%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	124694	6.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	130.20%#
66) 1,2-Dichlorobenzene-d4	11.67	152	153014	6.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	128.00%#

Target Compounds

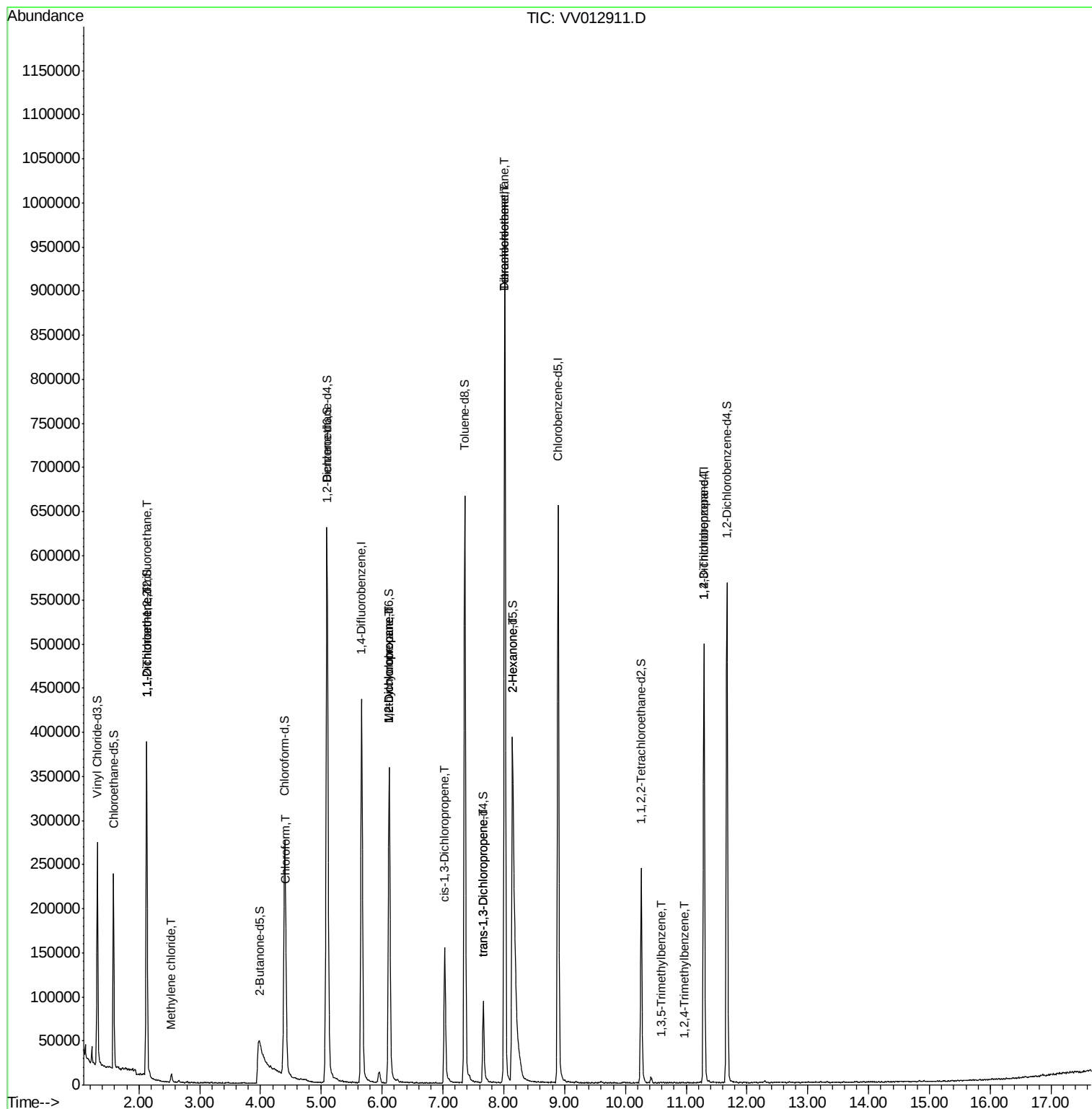
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2088	0.113	ug/L #	15
12) 1,1-Dichloroethene	2.13	96	2207	0.129	ug/L #	1
16) Methylene chloride	2.54	84	4235	0.240	ug/L	81
25) Chloroform	4.42	83	9961	0.180	ug/L	96
35) Methylcyclohexane	6.12	83	41757	0.950	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	18729	0.823	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	4043	0.113	ug/L #	70
44) trans-1,3-Dichloropropene	7.67	75	2394	0.083	ug/L	99
47) Tetrachloroethene	8.02	164	226240	9.227	ug/L	98
48) 2-Hexanone	8.15	43	42188	4.649	ug/L #	65
49) Dibromochloromethane	8.02	129	195531	9.187	ug/L #	10
61) 1,2,3-Trichloropropane	11.29	75	15224	1.555	ug/L #	60
62) 1,3,5-Trimethylbenzene	10.58	105	135	0.002	ug/L #	27
63) 1,2,4-Trimethylbenzene	10.96	105	225	0.003	ug/L	89

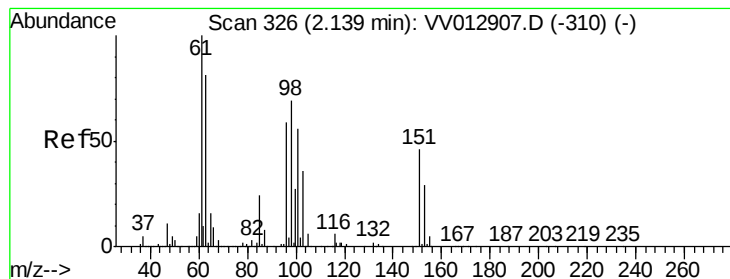
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.113 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV012911.D

Acq: 19 Sep 2019 00:07

Instrument :

MSVOA_V

ClientSampleId :

A5169DL

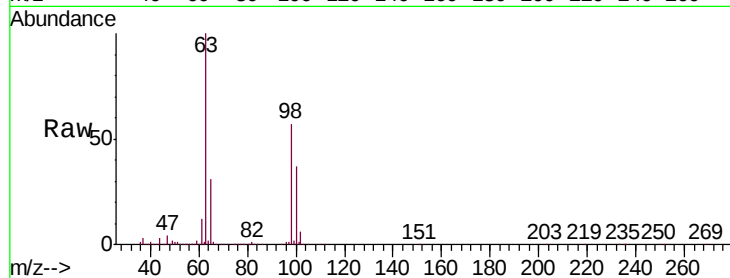
Tgt Ion: 101 Resp: 2088

Ion Ratio Lower Upper

101 100

85 2.1 37.8 56.8#

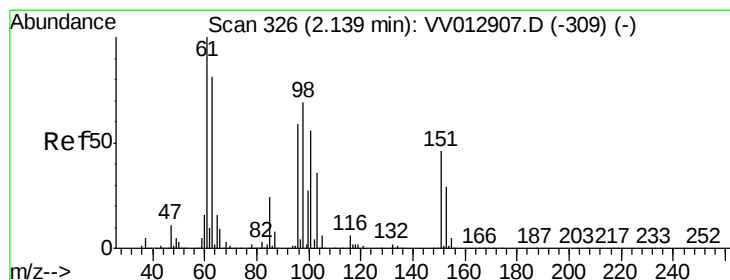
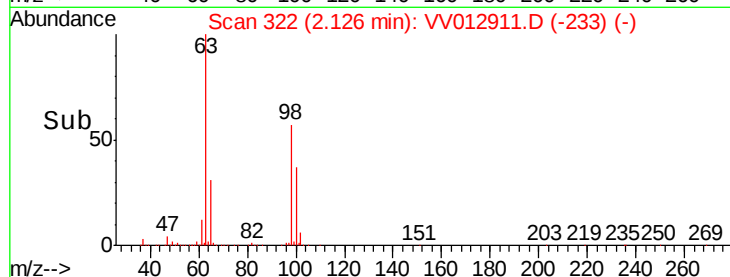
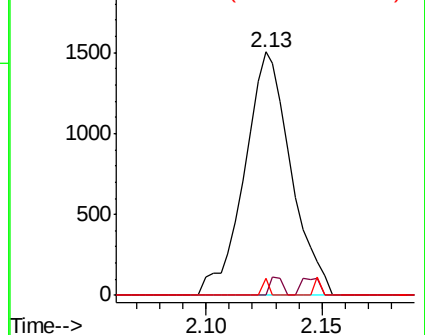
151 1.0 71.4 107.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.129 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012911.D

Acq: 19 Sep 2019 00:07

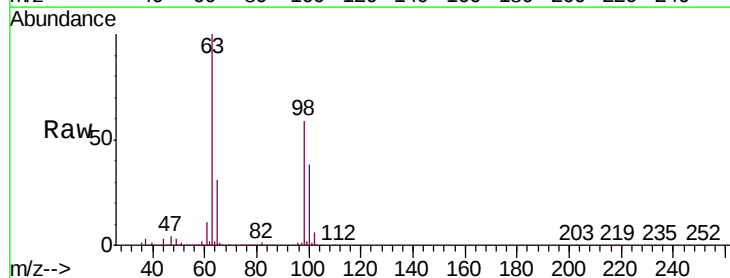
Tgt Ion: 96 Resp: 2207

Ion Ratio Lower Upper

96 100

61 1206.6 127.8 237.4#

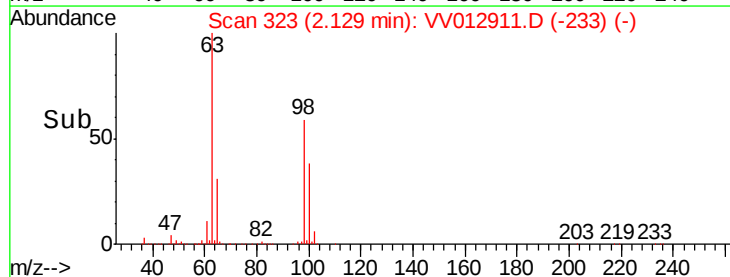
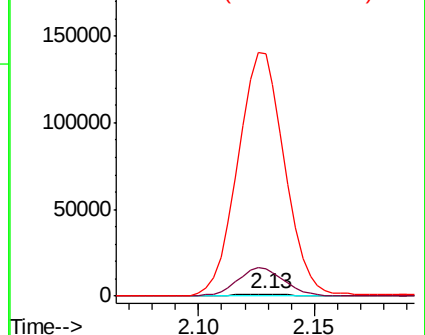
63 10529.8 92.7 172.3#

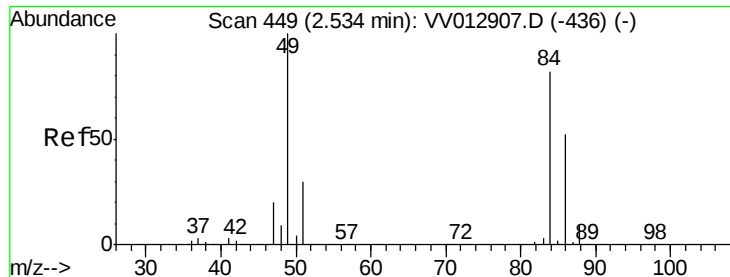


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

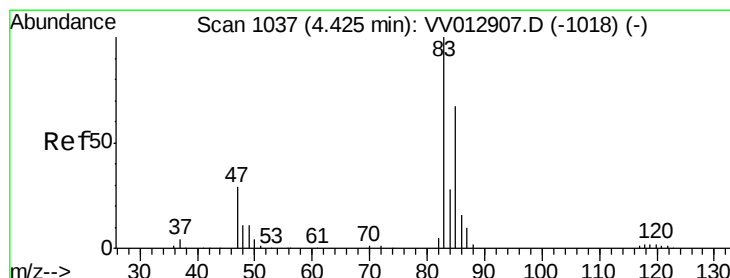
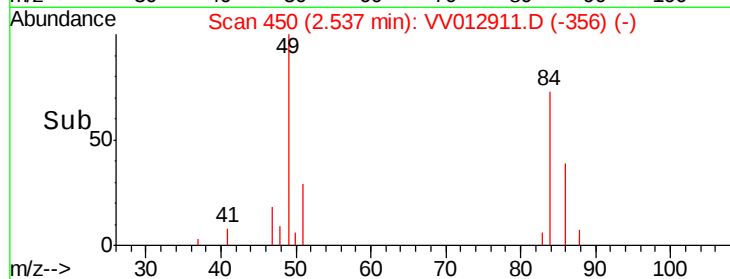
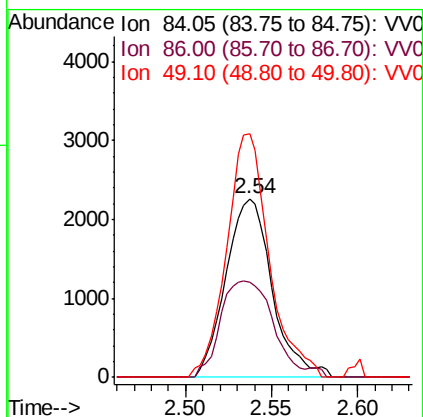
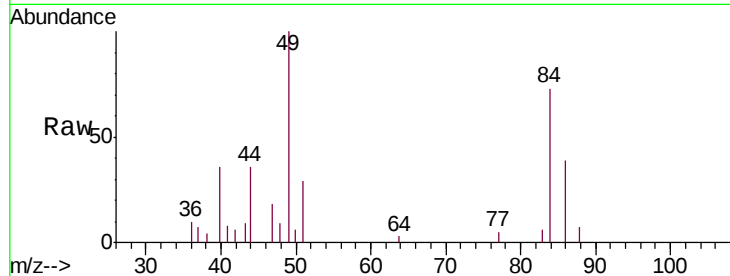




#16
Methylene chloride
Concen: 0.240 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012911.D
Acq: 19 Sep 2019 00:07

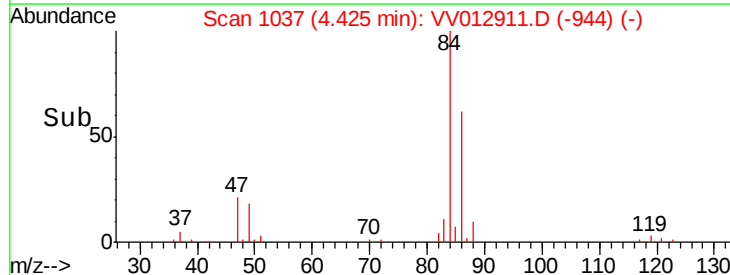
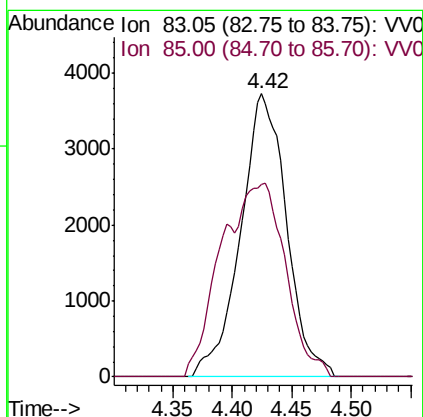
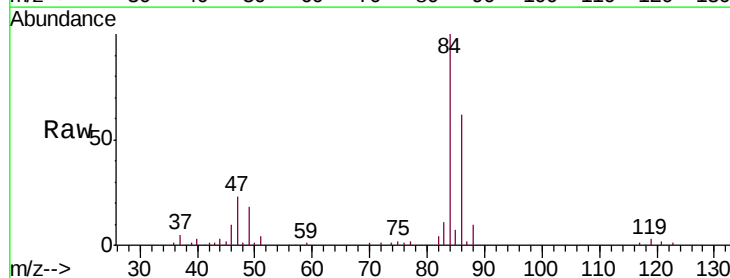
Instrument :
MSVOA_V
ClientSampleId :
A5169DL

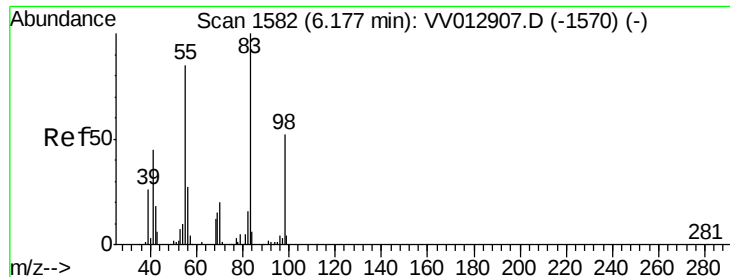
Tgt Ion: 84 Resp: 4235
Ion Ratio Lower Upper
84 100
86 52.9 44.9 83.3
49 136.1 78.6 146.0



#25
Chloroform
Concen: 0.180 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012911.D
Acq: 19 Sep 2019 00:07

Tgt Ion: 83 Resp: 9961
Ion Ratio Lower Upper
83 100
85 67.9 45.2 84.0

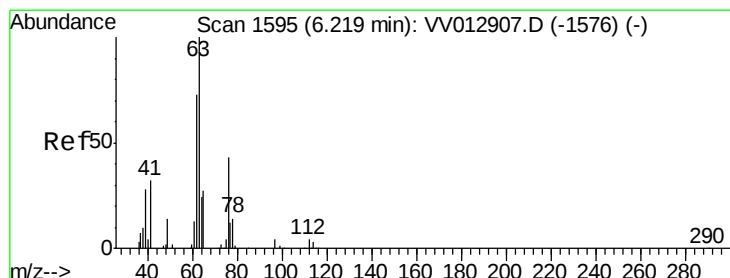
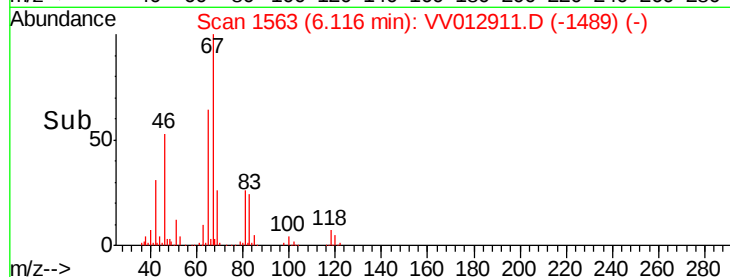
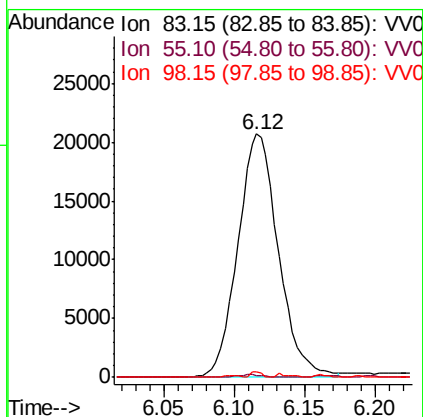
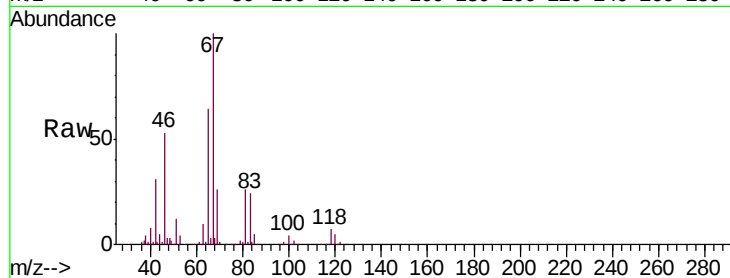




#35
Methylcyclohexane
Concen: 0.950 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012911.D
Acq: 19 Sep 2019 00:07

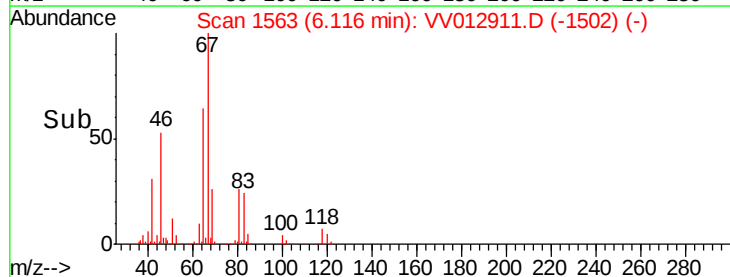
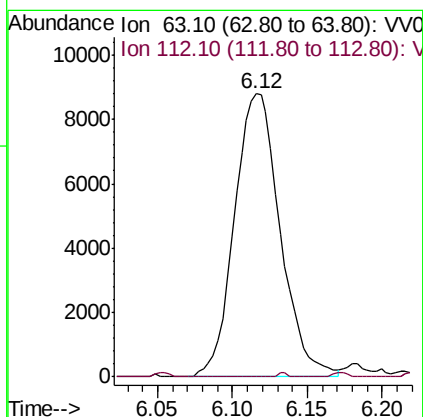
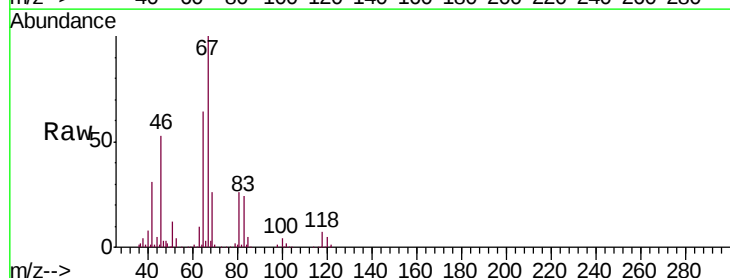
Instrument :
MSVOA_V
ClientSampled :
A5169DL

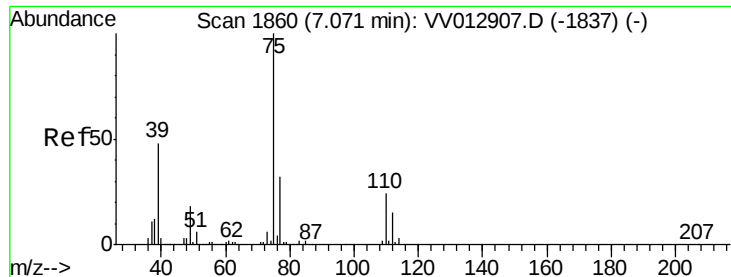
Tgt Ion: 83 Resp: 41757
Ion Ratio Lower Upper
83 100
55 0.7 60.1 90.1#
98 0.6 40.2 60.4#



#37
1,2-Dichloropropane
Concen: 0.823 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV012911.D
Acq: 19 Sep 2019 00:07

Tgt Ion: 63 Resp: 18729
Ion Ratio Lower Upper
63 100
112 0.3 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.113 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV012911.D

Acq: 19 Sep 2019 00:07

Instrument :

MSVOA_V

ClientSampleId :

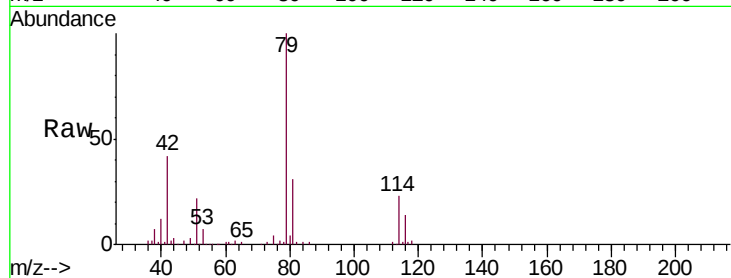
A5169DL

Tgt Ion: 75 Resp: 4043

Ion Ratio Lower Upper

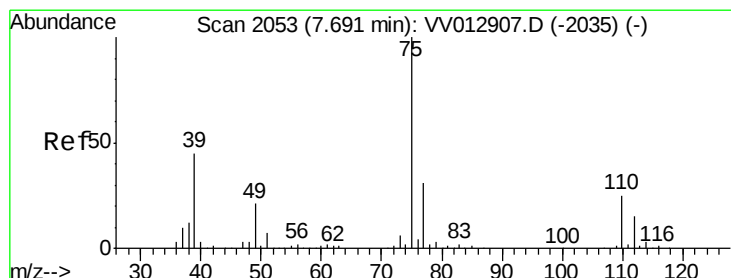
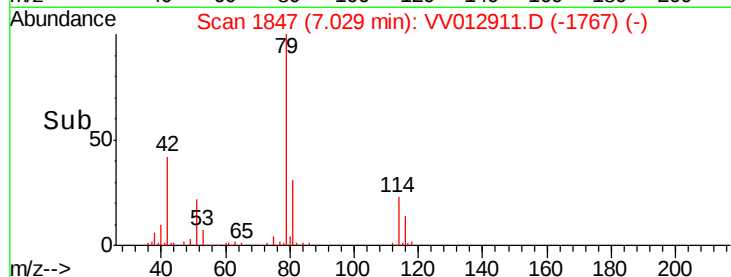
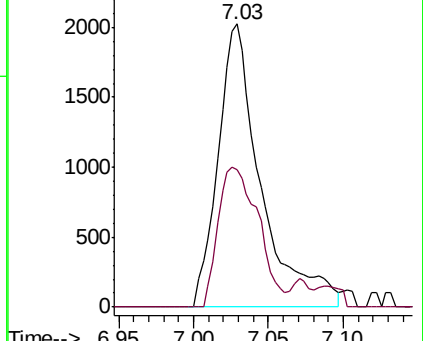
75 100

77 48.5 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV012911.D

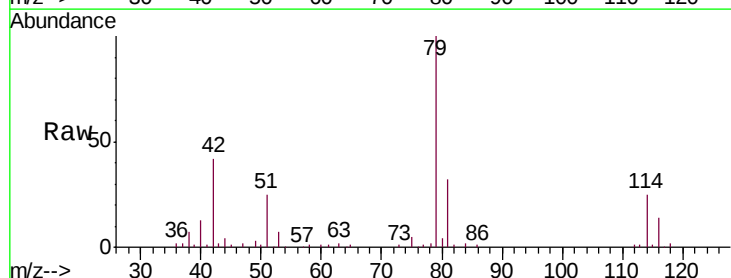
Acq: 19 Sep 2019 00:07

Tgt Ion: 75 Resp: 2394

Ion Ratio Lower Upper

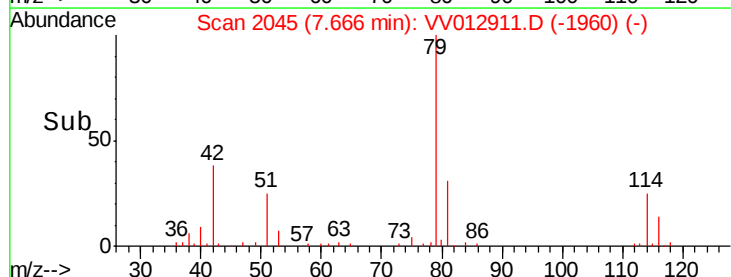
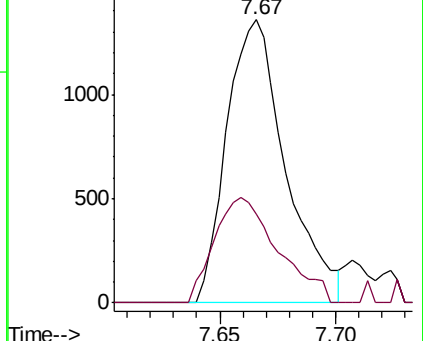
75 100

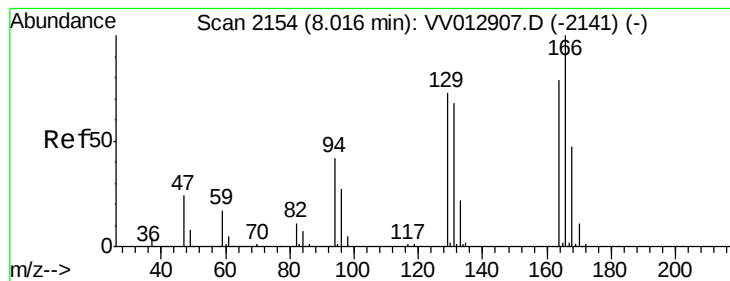
77 31.6 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#47

Tetrachloroethene

Concen: 9.227 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012911.D

Acq: 19 Sep 2019 00:07

Instrument :

MSVOA_V

ClientSampleId :

A5169DL

Tgt Ion:164 Resp: 226240

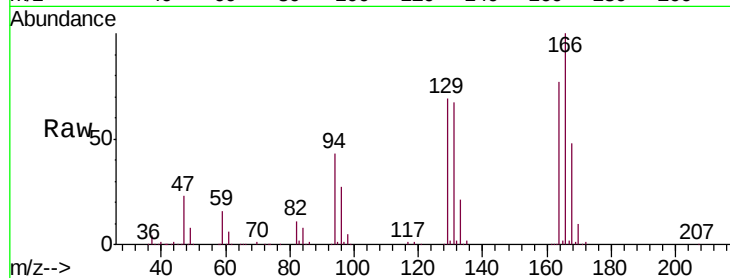
Ion Ratio Lower Upper

164 100

129 89.9 61.9 114.9

131 87.0 59.4 110.4

166 130.0 89.6 166.4

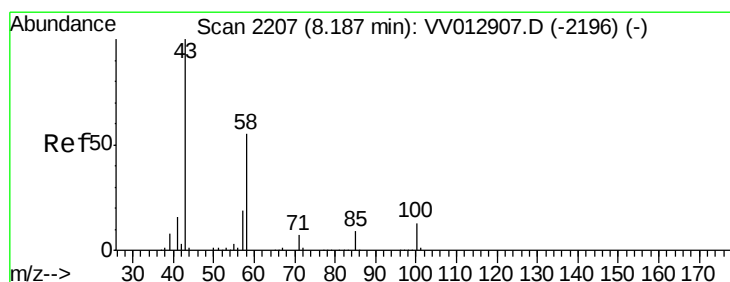
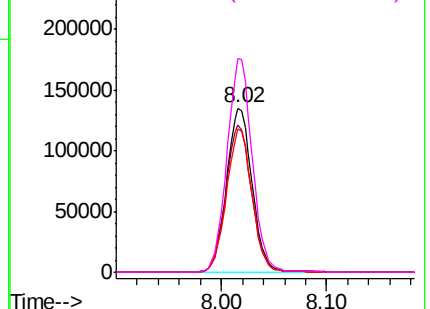
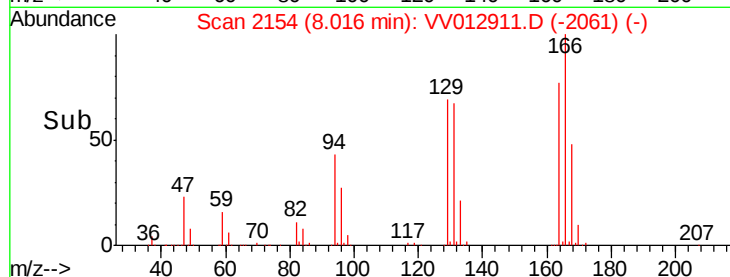


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 4.649 ug/L

RT: 8.15 min Scan# 2195

Delta R.T. -0.04 min

Lab File: VV012911.D

Acq: 19 Sep 2019 00:07

Tgt Ion: 43 Resp: 42188

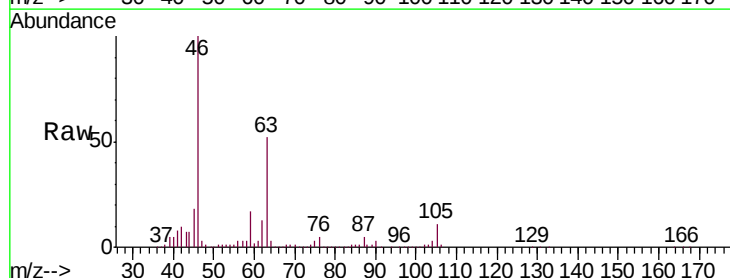
Ion Ratio Lower Upper

43 100

58 23.9 44.1 66.1#

57 27.8 16.1 24.1#

100 2.7 11.3 16.9#

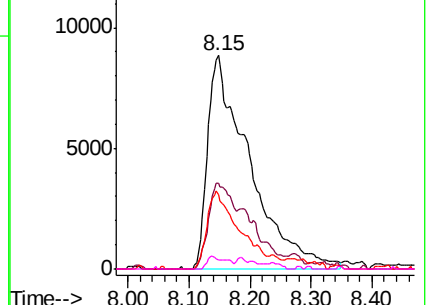
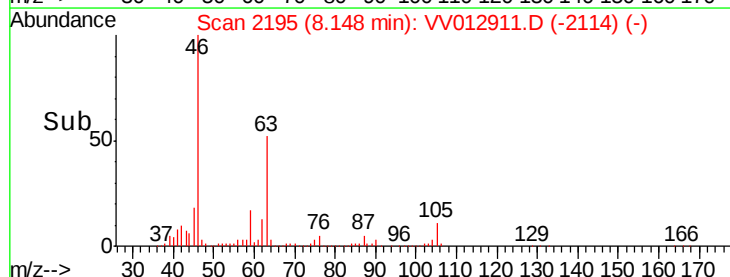


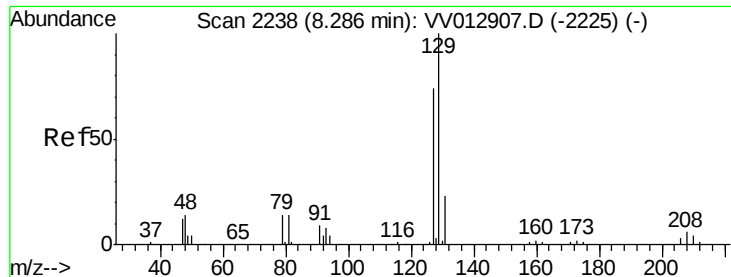
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

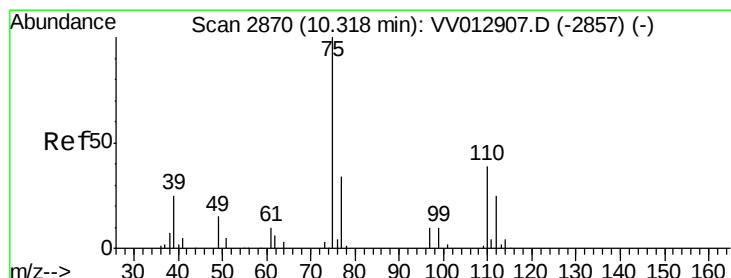
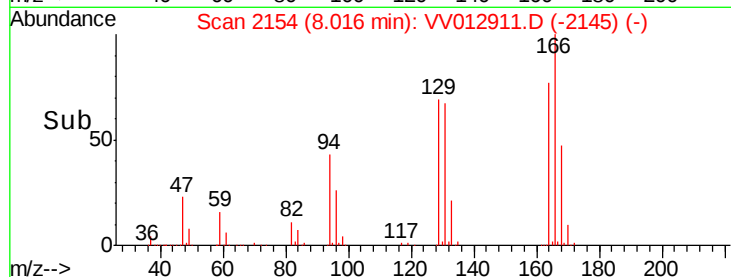
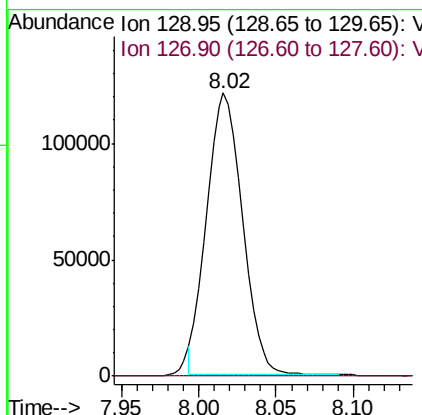
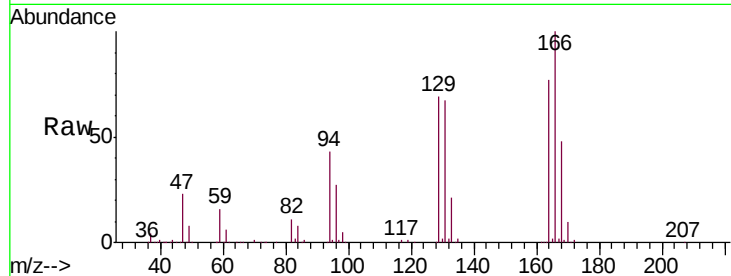




#49
 Dibromochloromethane
 Concen: 9.187 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.27 min
 Lab File: VV012911.D
 Acq: 19 Sep 2019 00:07

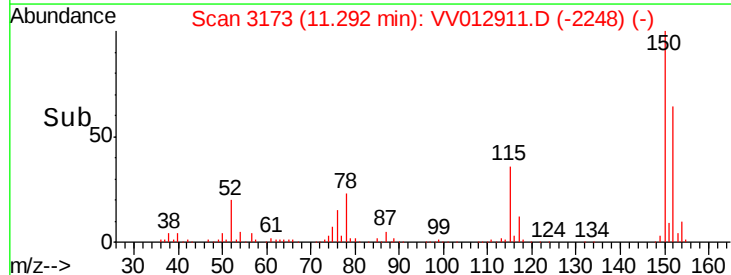
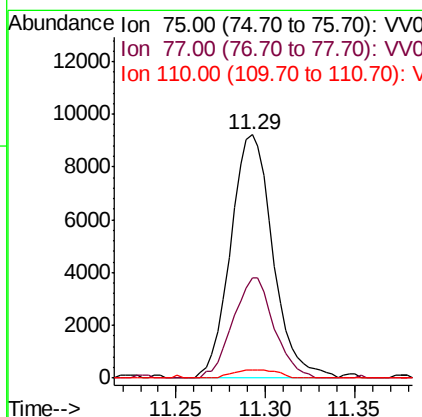
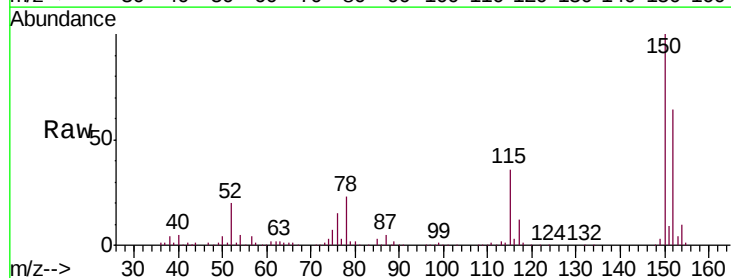
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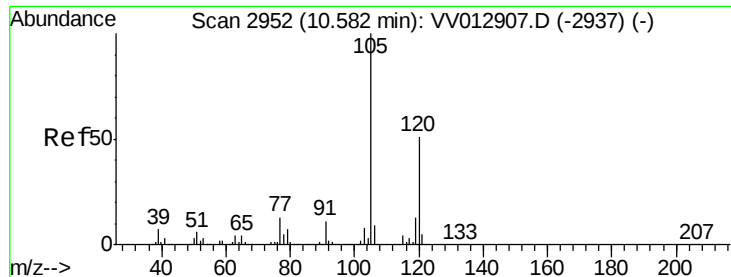
Tgt Ion: 129 Resp: 195531
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.4 102.8#



#61
 1,2,3-Trichloropropane
 Concen: 1.555 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.97 min
 Lab File: VV012911.D
 Acq: 19 Sep 2019 00:07

Tgt Ion: 75 Resp: 15224
 Ion Ratio Lower Upper
 75 100
 77 40.1 26.8 40.2
 110 3.6 35.0 52.6#





#62

1,3,5-Trimethylbenzene

Concen: 0.002 ug/L

RT: 10.58 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VV012911.D

Acq: 19 Sep 2019 00:07

Instrument :

MSVOA_V

ClientSampleID :

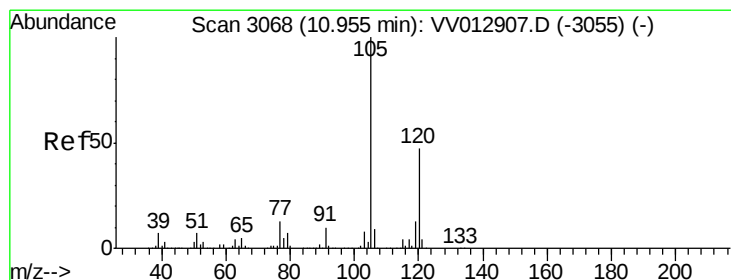
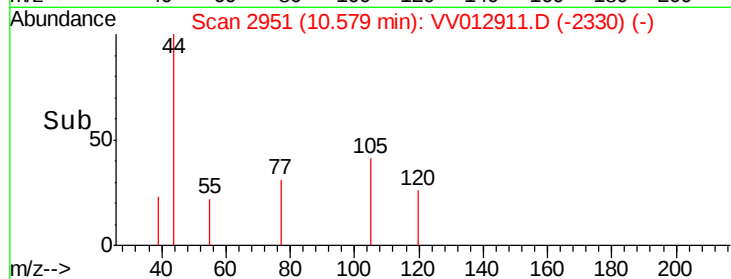
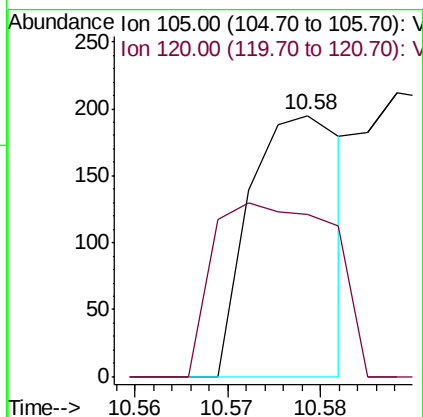
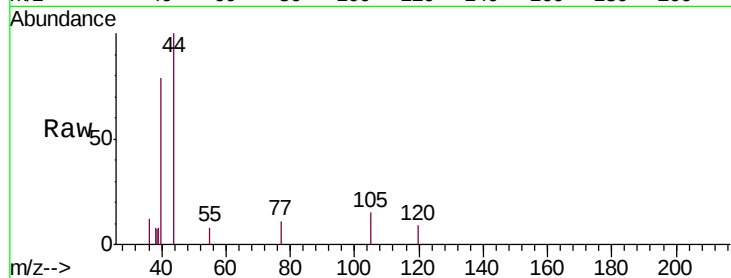
A5169DL

Tgt Ion:105 Resp: 135

Ion Ratio Lower Upper

105 100

120 0.0 40.1 60.1#



#63

1,2,4-Trimethylbenzene

Concen: 0.003 ug/L

RT: 10.96 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VV012911.D

Acq: 19 Sep 2019 00:07

Tgt Ion:105 Resp: 225

Ion Ratio Lower Upper

105 100

120 37.3 35.8 53.8

