

Data File : VV012912.D
Acq On : 19 Sep 2019 00:32
Operator : SY/MD
Sample : K4649-07MS
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5169MS

Quant Time: Sep 19 05:18:27 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	366140	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	361443	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	133982	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	154290	7.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	149.00%#
7) Chloroethane-d5	1.58	69	141023	9.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	194.00%#
11) 1,1-Dichloroethene-d2	2.13	63	266677	7.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	142.00%#
20) 2-Butanone-d5	3.96	46	171680	36.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.96%
24) Chloroform-d	4.40	84	278831	6.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	124.60%
26) 1,2-Dichloroethane-d4	5.08	65	141239	5.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.60%
32) Benzene-d6	5.10	84	565962	6.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	124.40%
36) 1,2-Dichloropropane-d6	6.12	67	178909	7.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	140.60%#
41) Toluene-d8	7.36	98	460125	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
43) trans-1,3-Dichloropropene-	7.66	79	55364	4.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.40%
46) 2-Hexanone-d5	8.14	63	233871	59.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.80%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	126992	6.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	133.00%#
66) 1,2-Dichlorobenzene-d4	11.67	152	159319	6.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	133.60%#

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2295	0.126	ug/L #	16
12) 1,1-Dichloroethene	2.14	96	133428	7.932	ug/L	92
16) Methylene chloride	2.54	84	4310	0.250	ug/L	92
25) Chloroform	4.43	83	10074	0.185	ug/L	89
27) 1,2-Dichloroethane	5.14	62	5564	0.186	ug/L #	76
33) Benzene	5.15	78	596462	6.075	ug/L	100
34) Trichloroethene	5.96	95	143530	5.126	ug/L	98
35) Methylcyclohexane	6.12	83	42974	0.980	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	19659	0.865	ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	3919	0.110	ug/L #	68
42) Toluene	7.43	91	603654	5.530	ug/L	99
44) trans-1,3-Dichloropropene	7.66	75	2595	0.090	ug/L #	78
47) Tetrachloroethene	8.02	164	2560	0.105	ug/L	89
48) 2-Hexanone	8.14	43	26165	2.889	ug/L #	76
51) Chlorobenzene	8.92	112	392619	5.379	ug/L	99
61) 1,2,3-Trichloropropane	11.29	75	16243	1.663	ug/L #	40
62) 1,3,5-Trimethylbenzene	10.58	105	342	0.005	ug/L #	27

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091919\
Quantitation Report (Not Reviewed)

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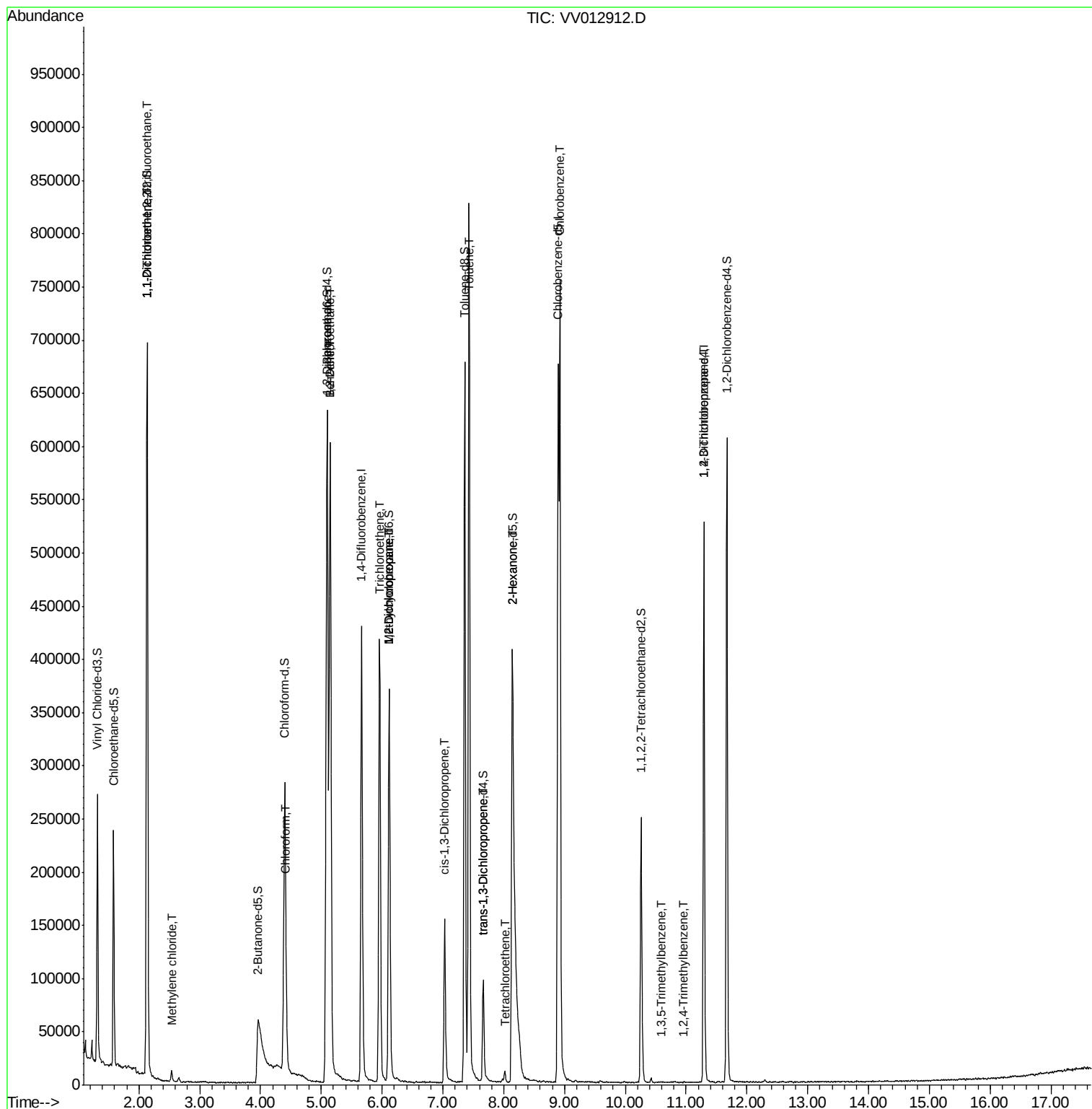
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.96	105	314	0.004	ug/L	91

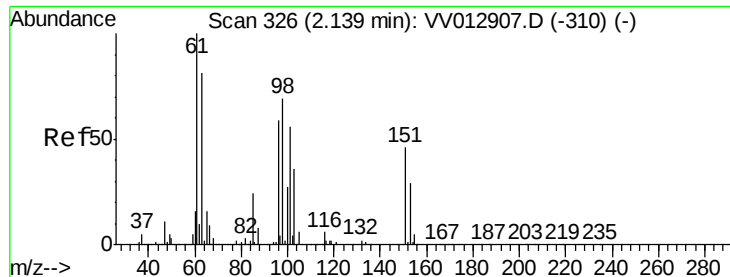
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.126 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012912.D

Acq: 19 Sep 2019 00:32

Instrument :

MSVOA_V

ClientSampleId :

A5169MS

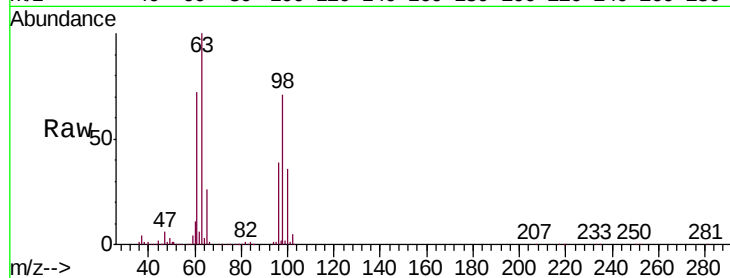
Tgt Ion: 101 Resp: 2295

Ion Ratio Lower Upper

101 100

85 4.9 37.8 56.8#

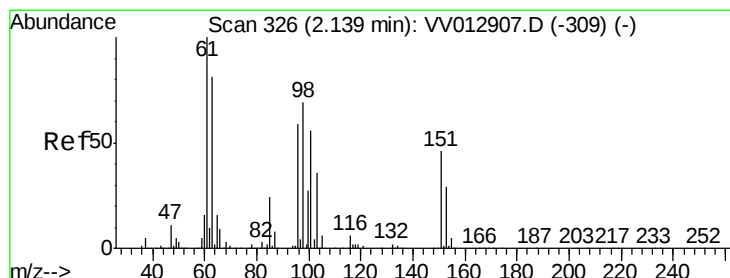
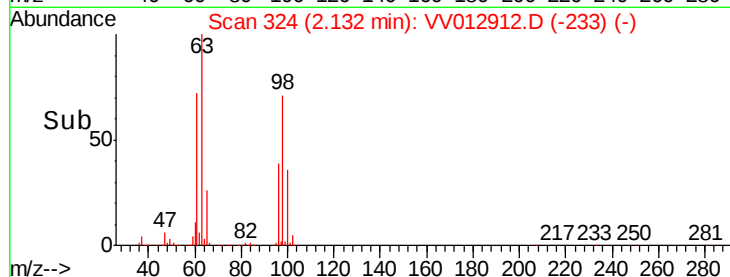
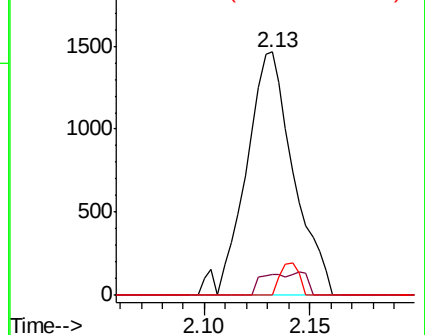
151 0.0 71.4 107.2#



Abundance Ion 101.00 (100.70 to 101.70): VV012912.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV012912.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV012912.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 7.932 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012912.D

Acq: 19 Sep 2019 00:32

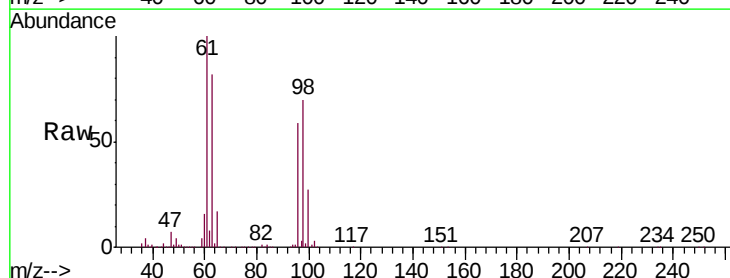
Tgt Ion: 96 Resp: 133428

Ion Ratio Lower Upper

96 100

61 169.0 127.8 237.4

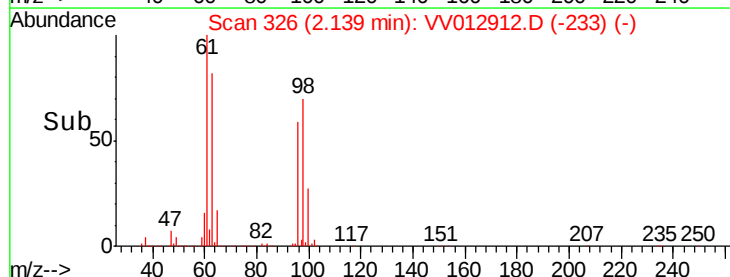
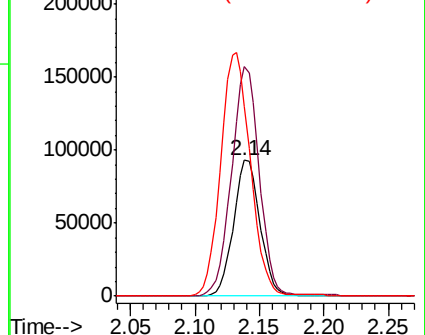
63 139.3 92.7 172.3

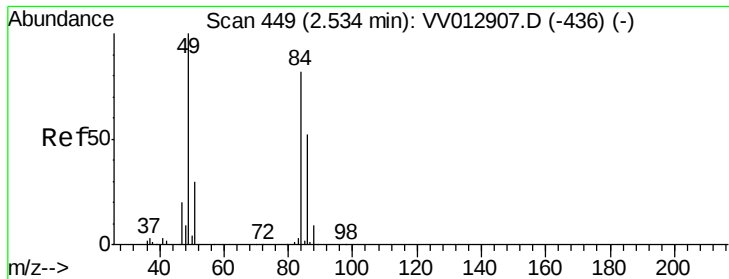


Abundance Ion 96.00 (95.70 to 96.70): VV012912.D (-233) (-)

Ion 61.05 (60.75 to 61.75): VV012912.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV012912.D (-233) (-)

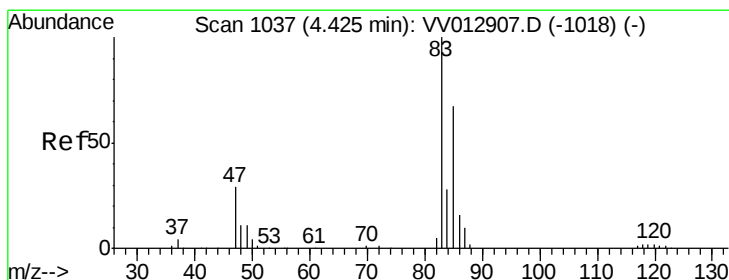
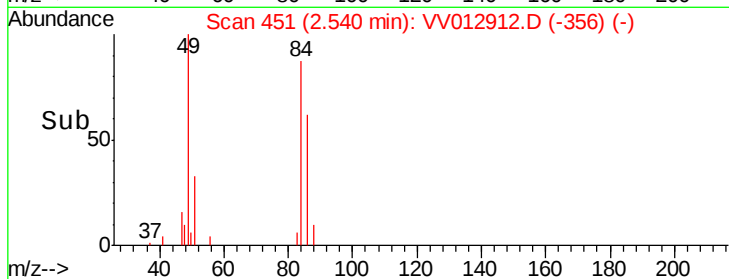
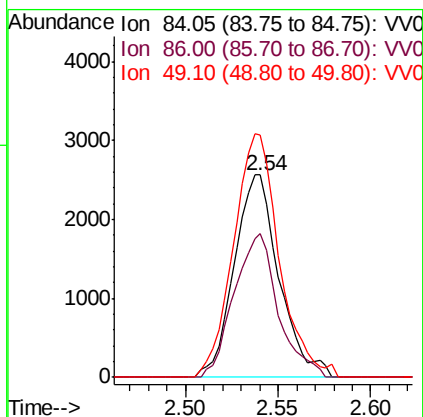
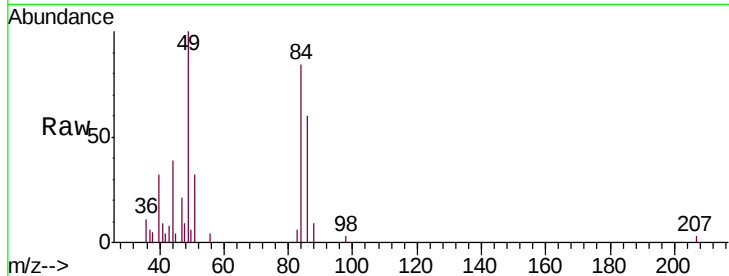




#16
Methylene chloride
Concen: 0.250 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.01 min
Lab File: VV012912.D
Acq: 19 Sep 2019 00:32

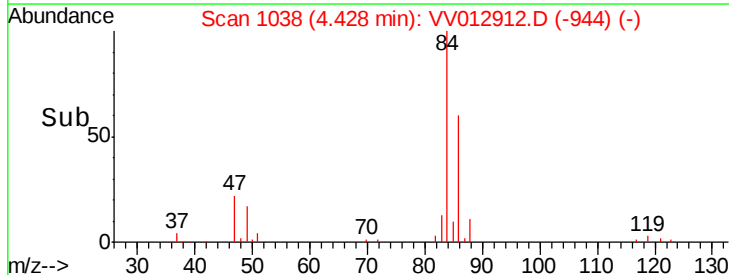
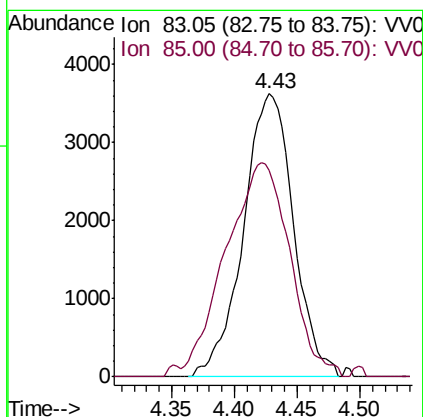
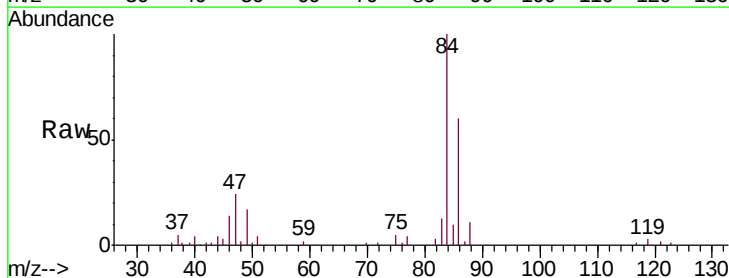
Instrument :
MSVOA_V
ClientSampleId :
A5169MS

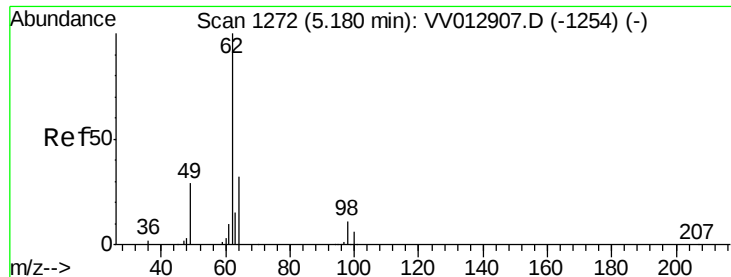
Tgt Ion: 84 Resp: 4310
Ion Ratio Lower Upper
84 100
86 71.2 44.9 83.3
49 119.5 78.6 146.0



#25
Chloroform
Concen: 0.185 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012912.D
Acq: 19 Sep 2019 00:32

Tgt Ion: 83 Resp: 10074
Ion Ratio Lower Upper
83 100
85 73.1 45.2 84.0





#27

1,2-Dichloroethane

Concen: 0.186 ug/L

RT: 5.14 min Scan# 1260

Delta R.T. -0.04 min

Lab File: VV012912.D

Acq: 19 Sep 2019 00:32

Instrument :

MSVOA_V

ClientSampled :

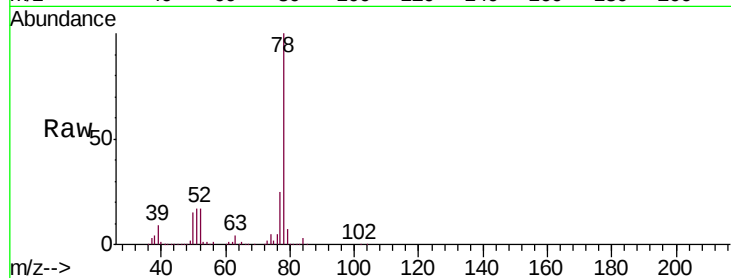
A5169MS

Tgt Ion: 62 Resp: 5564

Ion Ratio Lower Upper

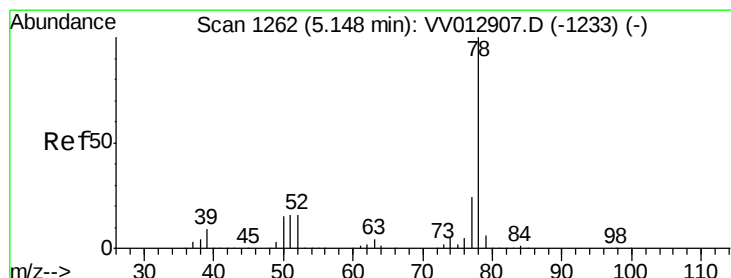
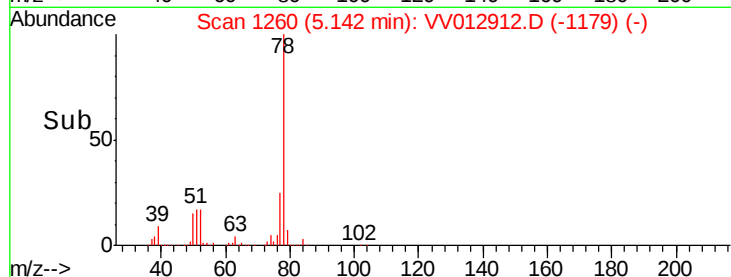
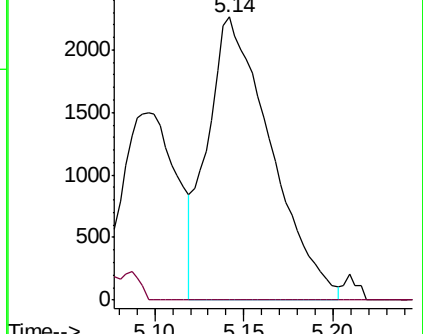
62 100

98 0.0 7.0 10.6#



Abundance Ion 62.00 (61.70 to 62.70): VV012907.D

Ion 98.05 (97.75 to 98.75): VV012907.D



#33

Benzene

Concen: 6.075 ug/L

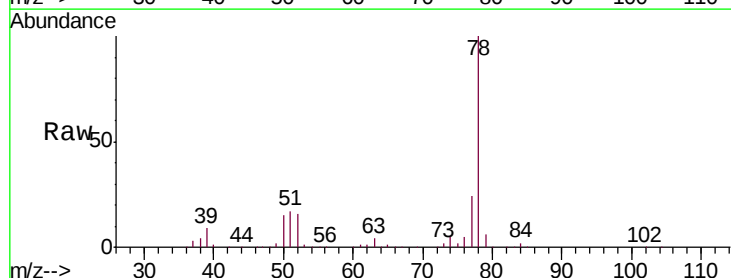
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV012912.D

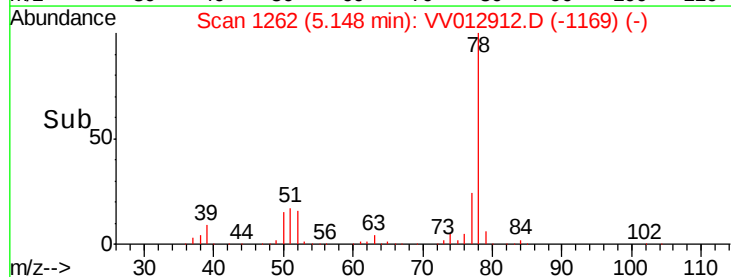
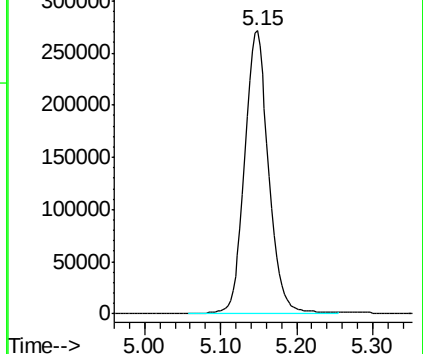
Acq: 19 Sep 2019 00:32

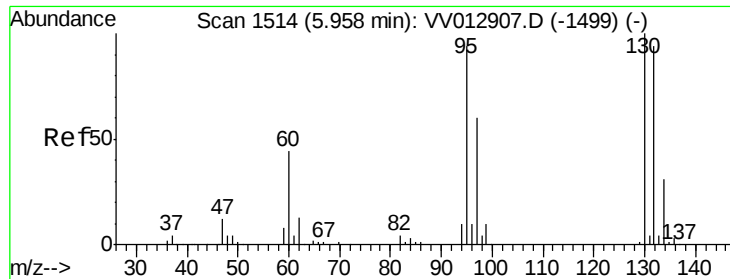
Tgt Ion: 78 Resp: 596462



Abundance Ion 78.10 (77.80 to 78.80): VV012907.D

Ion 78.10 (77.80 to 78.80): VV012907.D





#34

Trichloroethene

Concen: 5.126 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012912.D

Acq: 19 Sep 2019 00:32

Instrument :

MSVOA_V

ClientSampleId :

A5169MS

Tgt Ion: 95 Resp: 143530

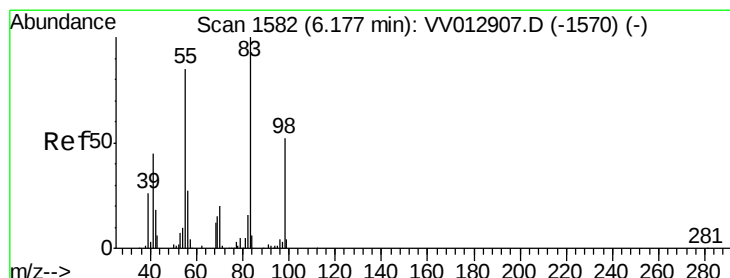
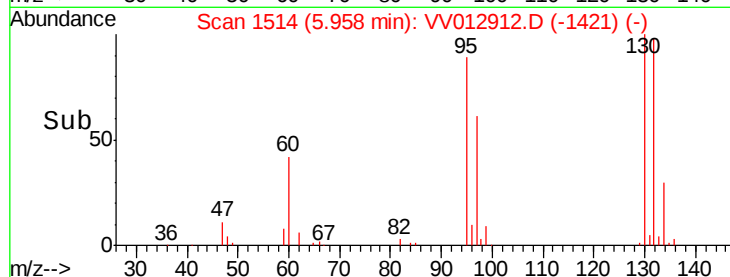
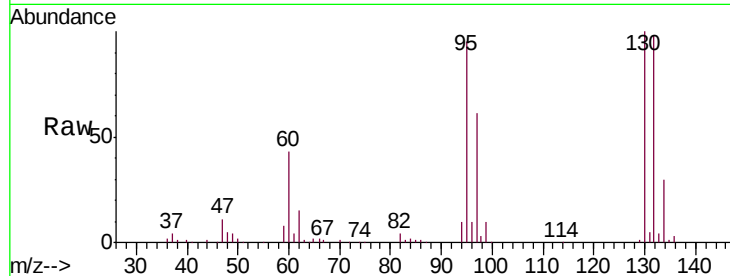
Ion Ratio Lower Upper

95 100

97 63.6 42.8 79.6

132 102.9 70.8 131.6

130 104.7 72.3 134.3



#35

Methylcyclohexane

Concen: 0.980 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV012912.D

Acq: 19 Sep 2019 00:32

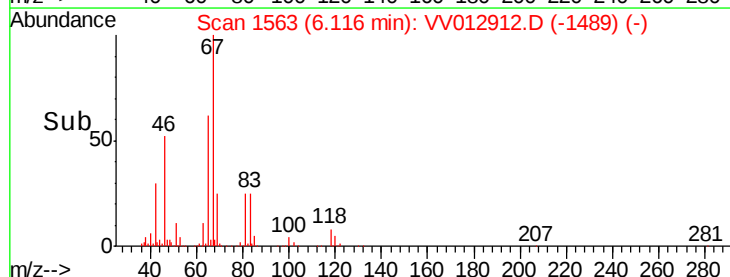
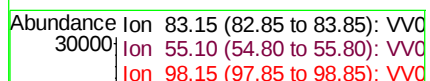
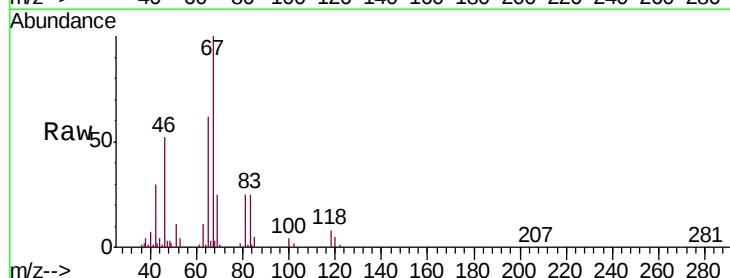
Tgt Ion: 83 Resp: 42974

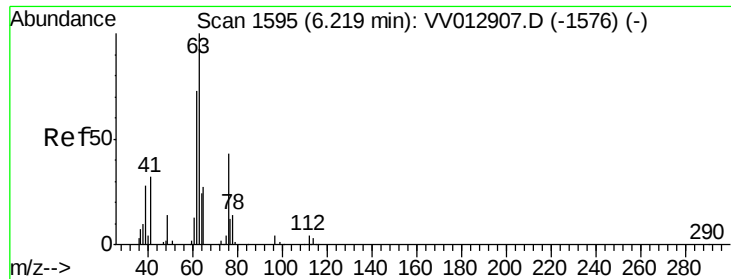
Ion Ratio Lower Upper

83 100

55 0.5 60.1 90.1#

98 1.1 40.2 60.4#





#37

1,2-Dichloropropane

Concen: 0.865 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV012912.D

Acq: 19 Sep 2019 00:32

Instrument :

MSVOA_V

ClientSampled :

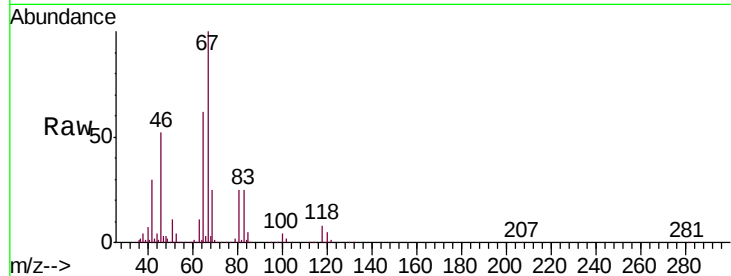
A5169MS

Tgt Ion: 63 Resp: 19659

Ion Ratio Lower Upper

63 100

112 0.6 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VV012907.D (-1576) (-)

Ion 112.10 (111.80 to 112.80): VV012907.D (-1576) (-)

6.12

10000

8000

6000

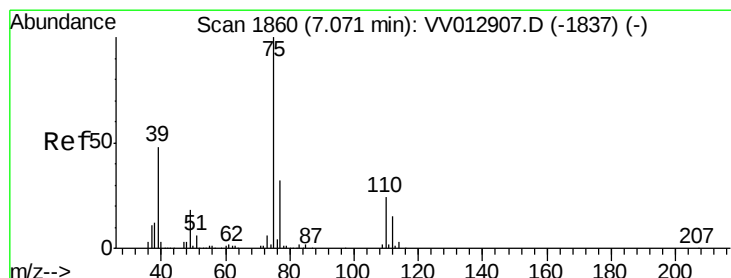
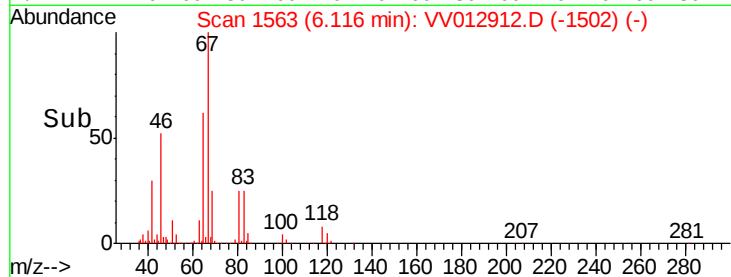
4000

2000

0

6.05 6.10 6.15 6.20

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.110 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV012912.D

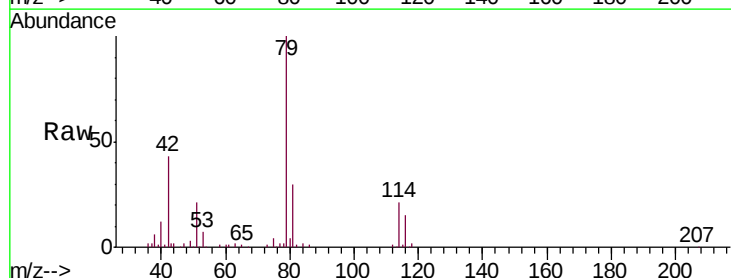
Acq: 19 Sep 2019 00:32

Tgt Ion: 75 Resp: 3919

Ion Ratio Lower Upper

75 100

77 50.0 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VV012907.D (-1837) (-)

Ion 77.05 (76.75 to 77.75): VV012907.D (-1837) (-)

7.03

2500

2000

1500

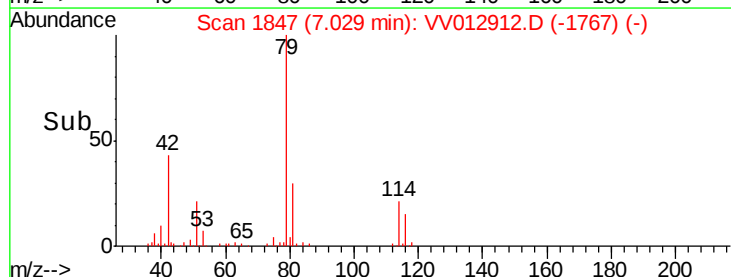
1000

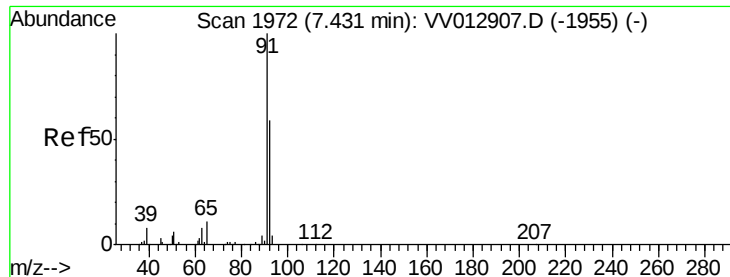
500

0

6.95 7.00 7.05 7.10

Time-->





#42

Toluene

Concen: 5.530 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012912.D

Acq: 19 Sep 2019 00:32

Instrument :

MSVOA_V

ClientSampleId :

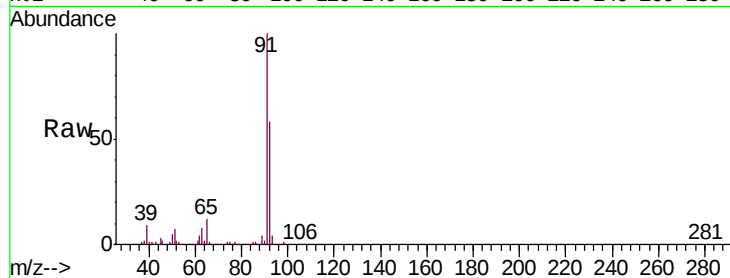
A5169MS

Tgt Ion: 91 Resp: 603654

Ion Ratio Lower Upper

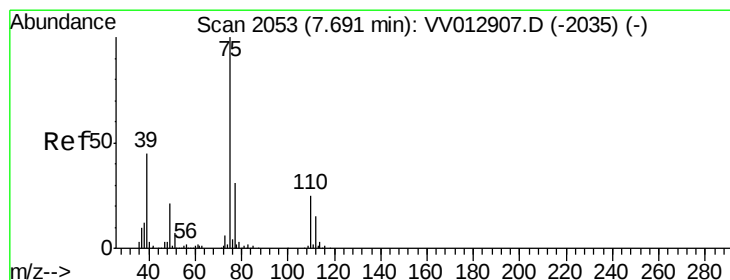
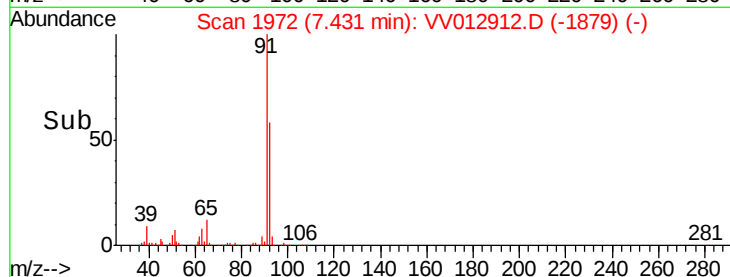
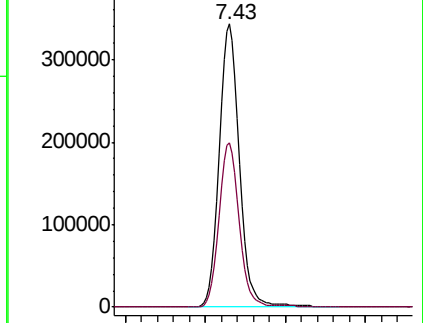
91 100

92 58.1 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV012912.D (-1879) (-)

Ion 92.15 (91.85 to 92.85): VV012912.D (-1879) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012912.D

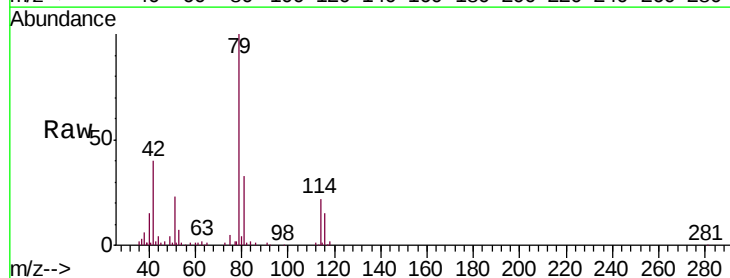
Acq: 19 Sep 2019 00:32

Tgt Ion: 75 Resp: 2595

Ion Ratio Lower Upper

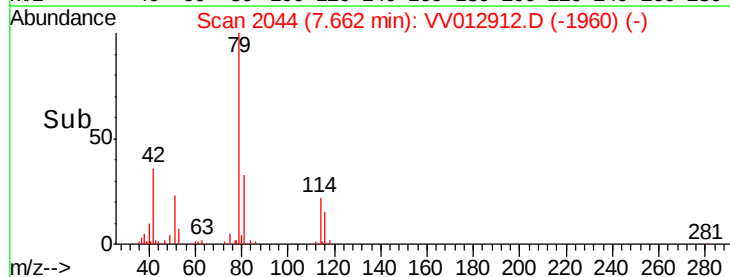
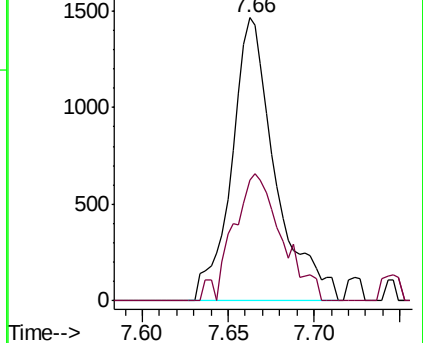
75 100

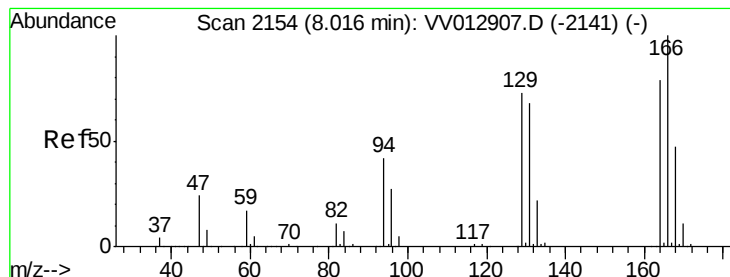
77 42.9 21.6 40.0#



Abundance Ion 75.05 (74.75 to 75.75): VV012912.D (-1960) (-)

Ion 77.05 (76.75 to 77.75): VV012912.D (-1960) (-)





#47

Tetrachloroethene

Concen: 0.105 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.01 min

Lab File: VV012912.D

Acq: 19 Sep 2019 00:32

Instrument :

MSVOA_V

ClientSampleId :

A5169MS

Tgt Ion:164 Resp: 2560

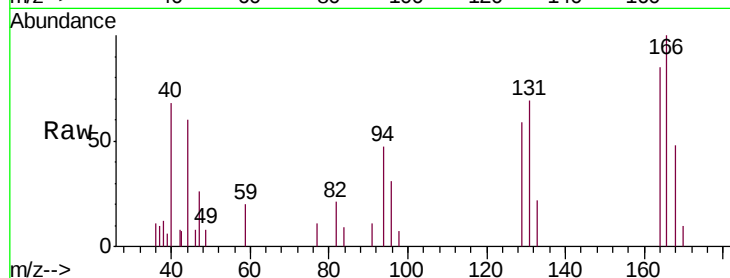
Ion Ratio Lower Upper

164 100

129 69.4 61.9 114.9

131 81.0 59.4 110.4

166 117.3 89.6 166.4

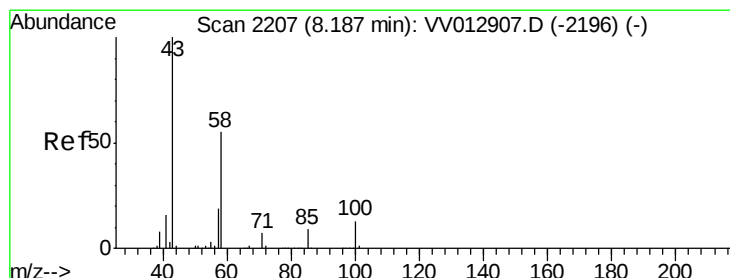
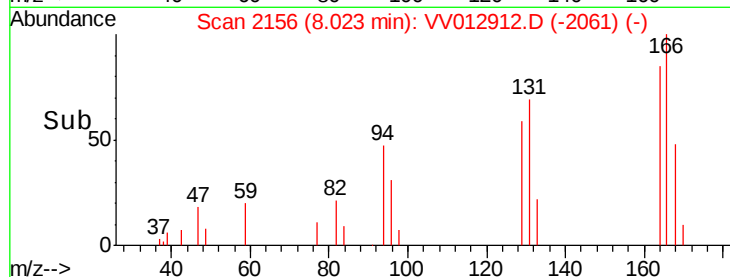
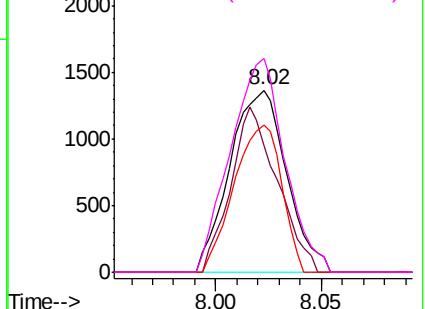


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.889 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.04 min

Lab File: VV012912.D

Acq: 19 Sep 2019 00:32

Tgt Ion: 43 Resp: 26165

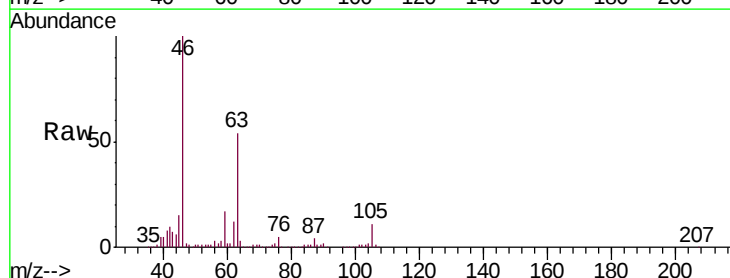
Ion Ratio Lower Upper

43 100

58 36.4 44.1 66.1#

57 29.1 16.1 24.1#

100 3.8 11.3 16.9#

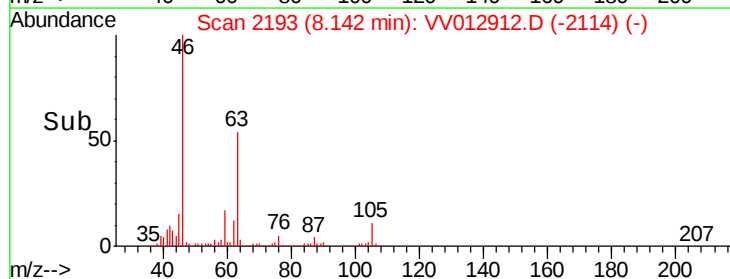
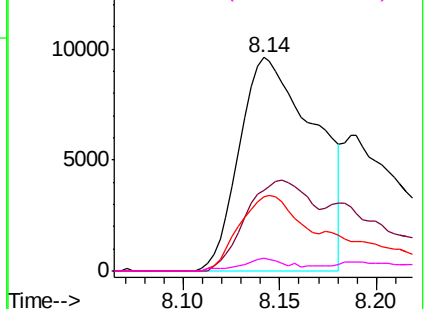


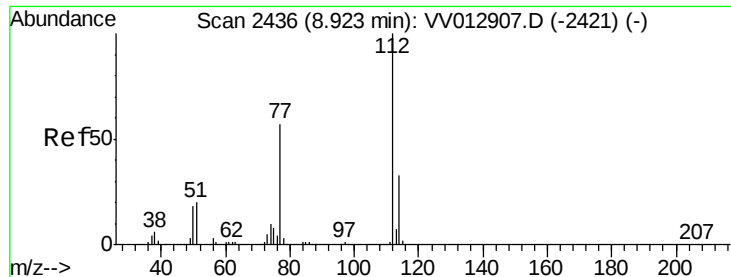
Abundance Ion 43.05 (42.75 to 43.75): VV0

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





#51

Chlorobenzene

Concen: 5.379 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV012912.D

Acq: 19 Sep 2019 00:32

Instrument :

MSVOA_V

ClientSampleId :

A5169MS

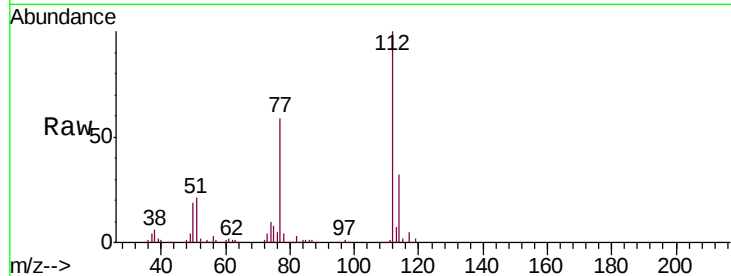
Tgt Ion: 112 Resp: 392619

Ion Ratio Lower Upper

112 100

114 32.0 22.1 41.1

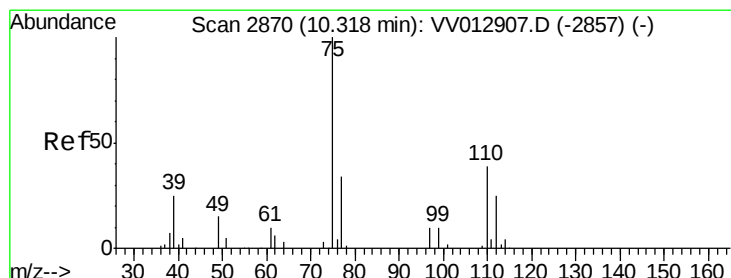
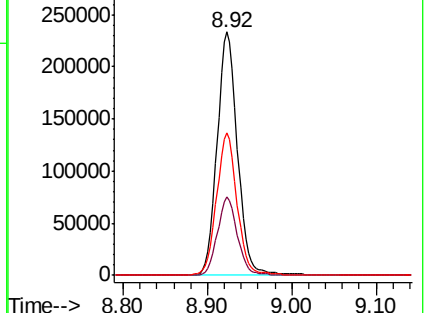
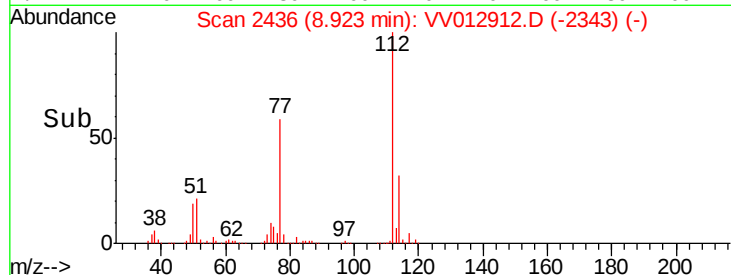
77 58.7 45.9 68.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#61

1,2,3-Trichloropropane

Concen: 1.663 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.97 min

Lab File: VV012912.D

Acq: 19 Sep 2019 00:32

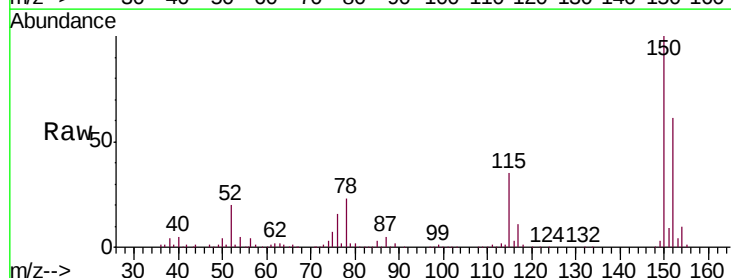
Tgt Ion: 75 Resp: 16243

Ion Ratio Lower Upper

75 100

77 0.0 26.8 40.2#

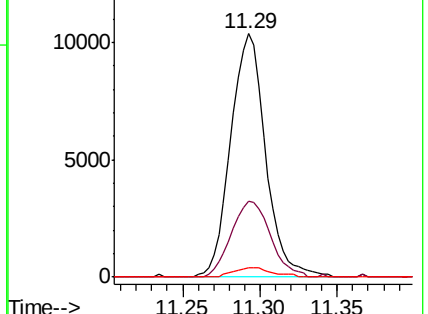
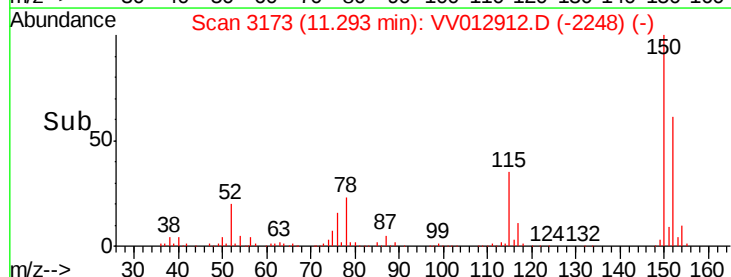
110 4.3 35.0 52.6#

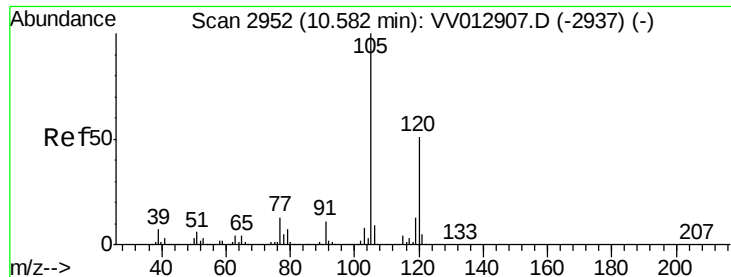


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 0.005 ug/L

RT: 10.58 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VV012912.D

Acq: 19 Sep 2019 00:32

Instrument :

MSVOA_V

ClientSampleId :

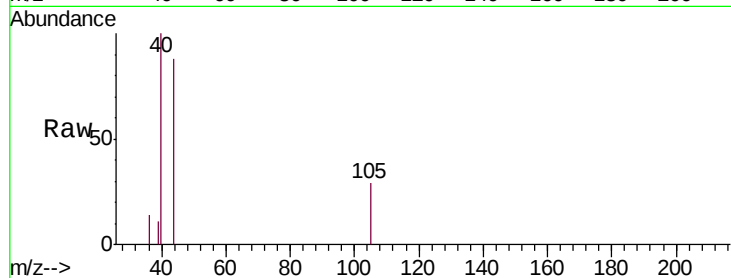
A5169MS

Tgt Ion:105 Resp: 342

Ion Ratio Lower Upper

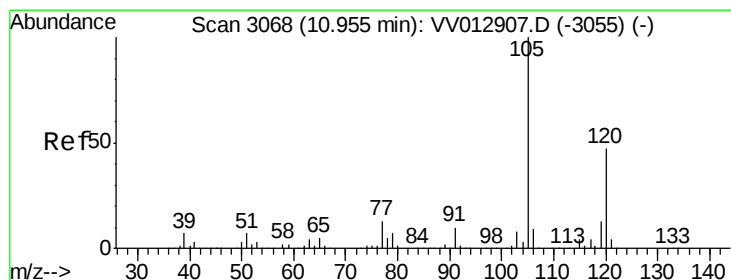
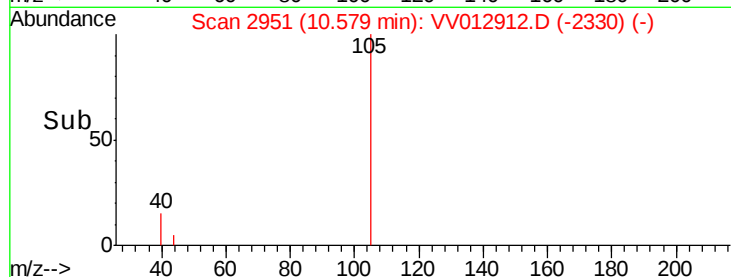
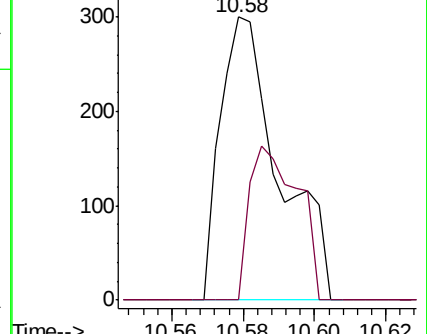
105 100

120 0.0 40.1 60.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 0.004 ug/L

RT: 10.96 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VV012912.D

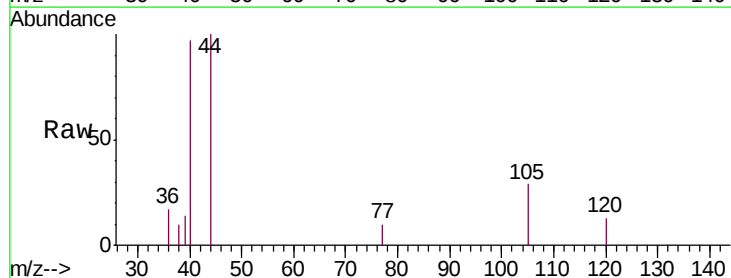
Acq: 19 Sep 2019 00:32

Tgt Ion:105 Resp: 314

Ion Ratio Lower Upper

105 100

120 39.2 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

