

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060419\
 Data File : VV011212.D
 Acq On : 04 Jun 2019 18:22
 Operator : SY/MD
 Sample : K3081-11MSD
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GALD9MSD

Quant Time: Jun 05 02:11:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 05 01:41:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	171815	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	159998	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	69086	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	59242	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.55	69	45940	4.24	ug/L	-0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.12	63	120034	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.20%
20) 2-Butanone-d5	3.94	46	163935	55.93	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.86%
24) Chloroform-d	4.40	84	104991	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.08	65	60142	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.09	84	221477	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.12	67	68422	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.36	98	204881	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.66	79	26317	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.13	63	138953	58.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.04%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	51619	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	68615	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

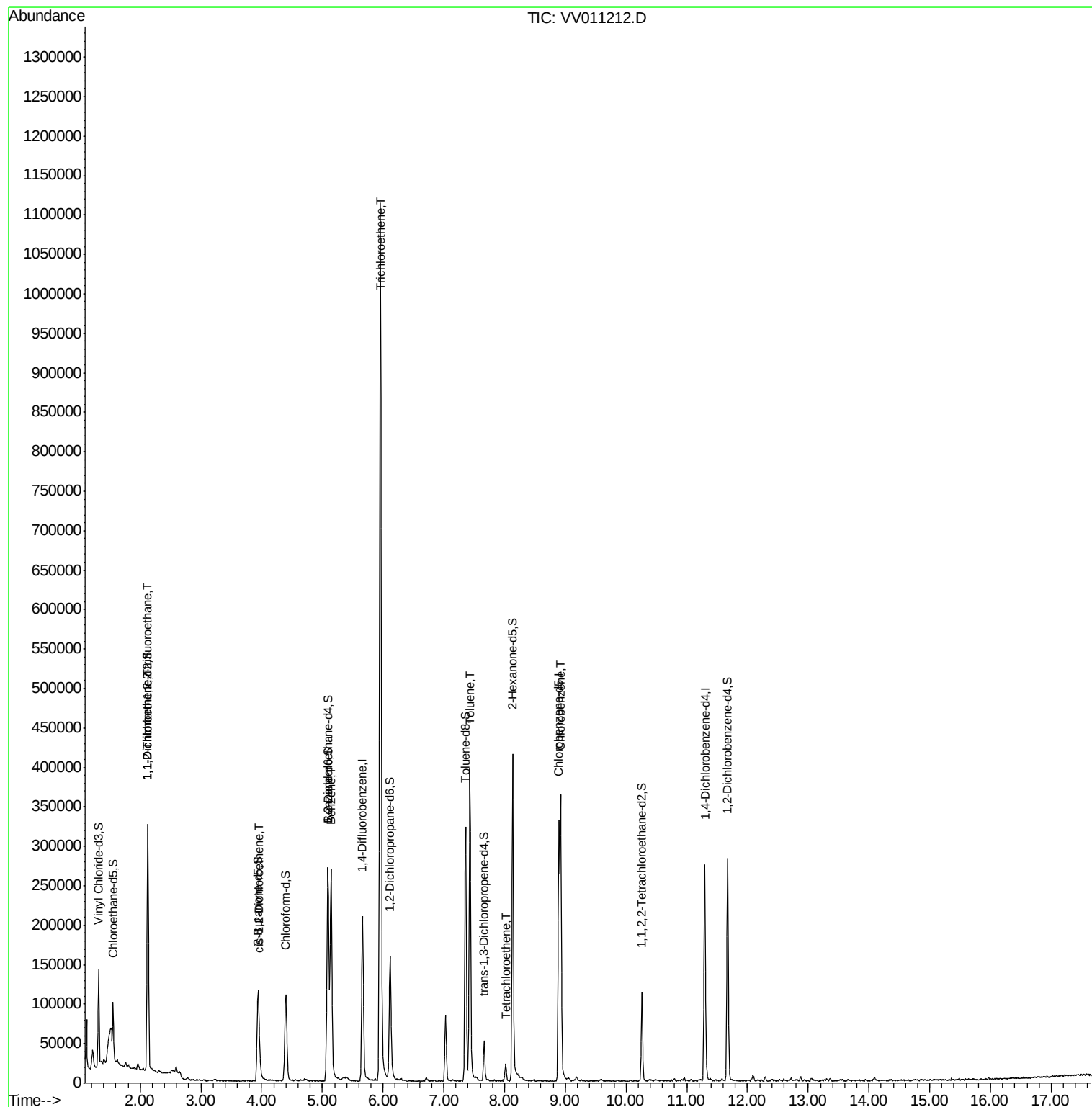
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3128	0.281	ug/L 91
12) 1,1-Dichloroethene	2.13	96	53427	4.935	ug/L 94
22) cis-1,2-Dichloroethene	3.96	96	12043	0.897	ug/L 86
33) Benzene	5.14	78	251248	4.935	ug/L 100
34) Trichloroethene	5.96	95	377990	28.739	ug/L 97
42) Toluene	7.43	91	274327	5.056	ug/L 99
47) Tetrachloroethene	8.02	164	4220	0.444	ug/L 95
51) Chlorobenzene	8.92	112	169705	5.128	ug/L 99

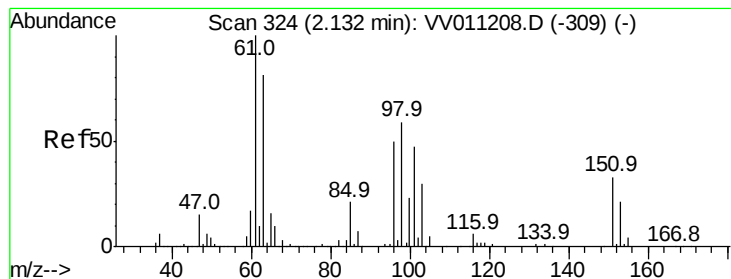
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 05 01:41:25 2019
Response via : Initial Calibration





#10

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

Concen: 0.281 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011212.D

Acq: 04 Jun 2019 18:22

Instrument :

MSVOA_V

ClientSampleId :

GALD9MSD

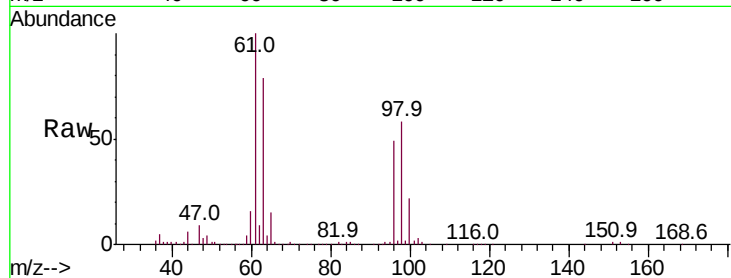
Tot Ion:101 Resp: 3128

Ion Ratio Lower Upper

101 100

85 47.4 35.5 53.3

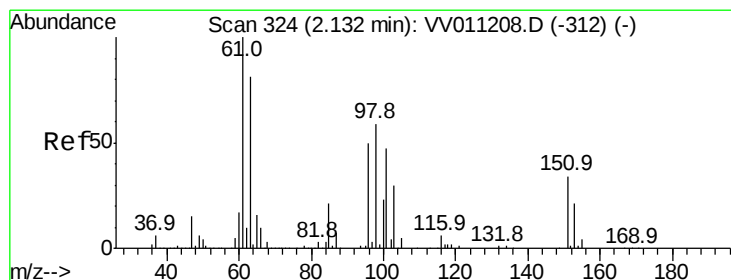
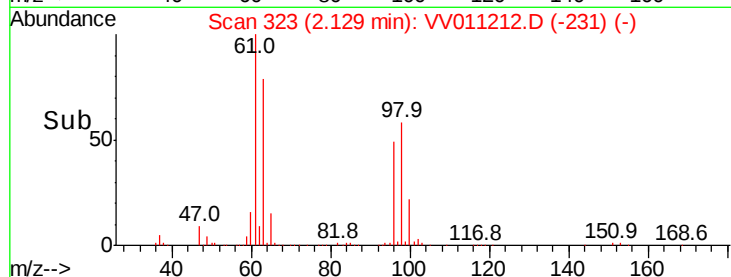
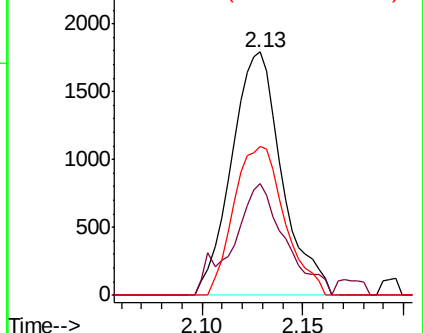
151 61.7 56.9 85.3



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: 4.935 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011212.D

Acq: 04 Jun 2019 18:22

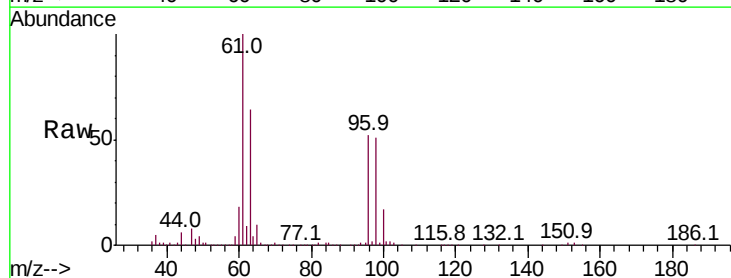
Tgt Ion: 96 Resp: 53427

Ion Ratio Lower Upper

96 100

61 193.4 139.8 259.6

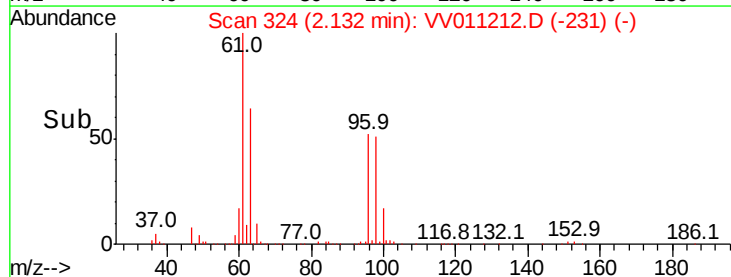
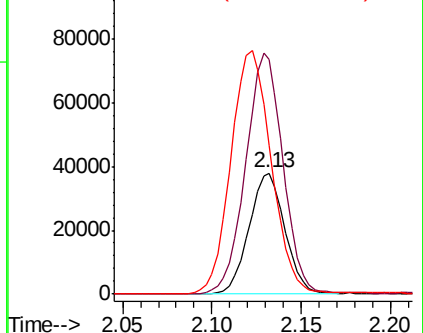
63 123.4 94.3 175.1

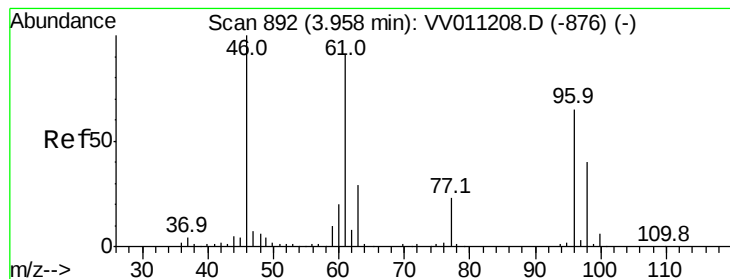


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#22

cis-1,2-Dichloroethene

Concen: 0.897 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV011212.D

Acq: 04 Jun 2019 18:22

Instrument :

MSVOA_V

ClientSampleId :

GALD9MSD

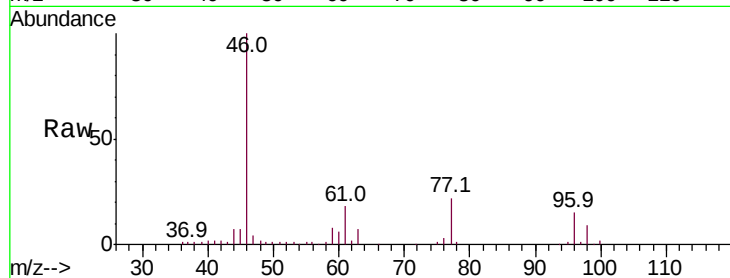
Tot Ion: 96 Resp: 12043

Ion Ratio Lower Upper

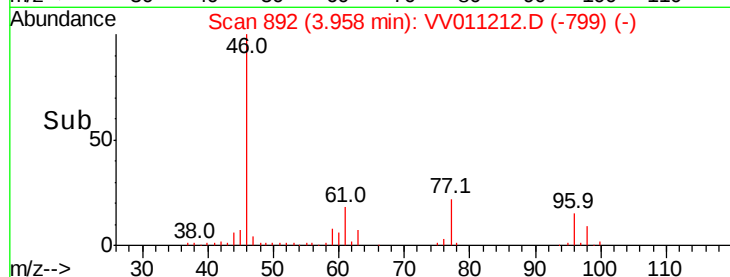
96 100

61 126.5 100.8 187.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV011212.D (-799) (-)



Ion 61.05 (60.75 to 61.75): VV011212.D (-799) (-)

Ion 68.15 (67.85 to 68.85): VV011212.D (-799) (-)

Time-->

3.85 3.90 3.95 4.00 4.05

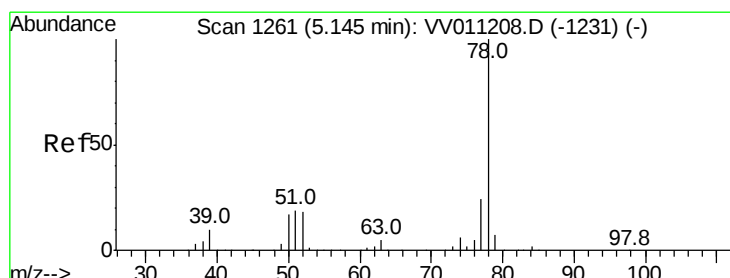
8000

6000

4000

2000

0



#33

Benzene

Concen: 4.935 ug/L

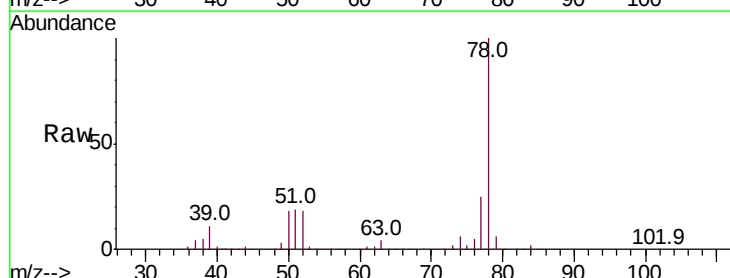
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

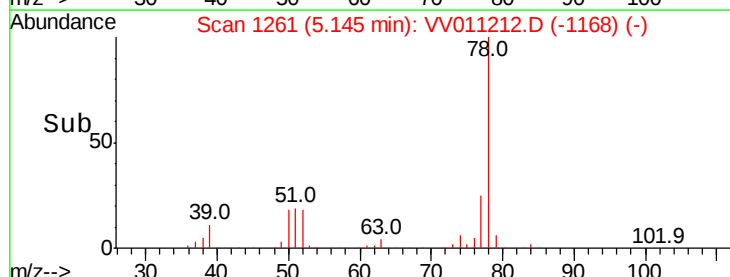
Lab File: VV011212.D

Acq: 04 Jun 2019 18:22

Tgt Ion: 78 Resp: 251248



Abundance Ion 78.10 (77.80 to 78.80): VV011212.D (-1168) (-)



Time-->

5.00 5.10 5.20

120000

100000

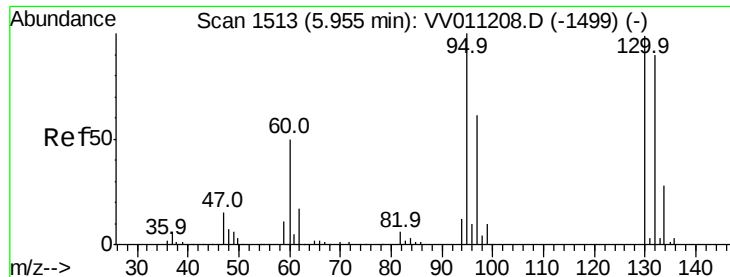
80000

60000

40000

20000

0



#34

Trichloroethene

Concen: 28.739 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011212.D

Acq: 04 Jun 2019 18:22

Instrument :

MSVOA_V

ClientSampleId :

GALD9MSD

Tot Ion: 95 Resp: 377990

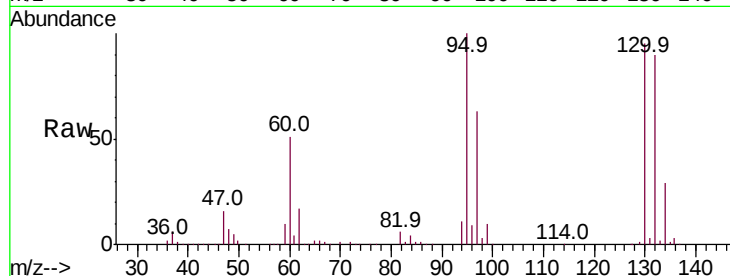
Ion Ratio Lower Upper

95 100

97 63.4 45.8 85.2

132 89.7 66.4 123.2

130 95.4 68.3 126.8

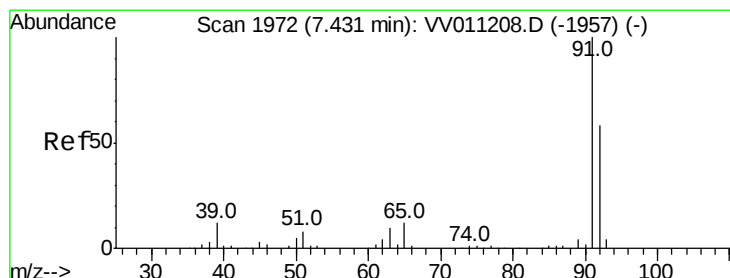
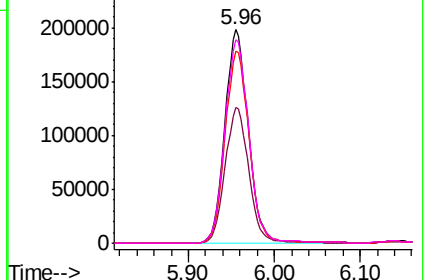
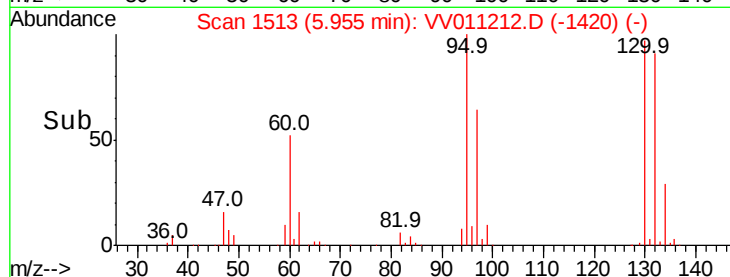


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#42

Toluene

Concen: 5.056 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011212.D

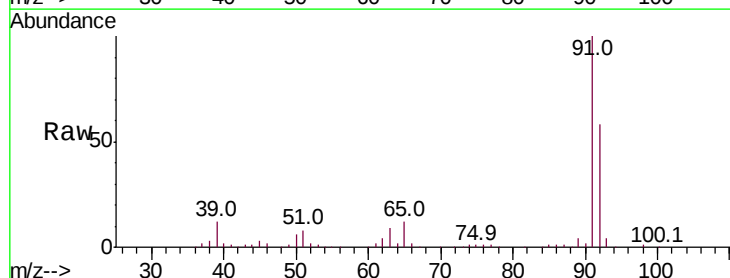
Acq: 04 Jun 2019 18:22

Tgt Ion: 91 Resp: 274327

Ion Ratio Lower Upper

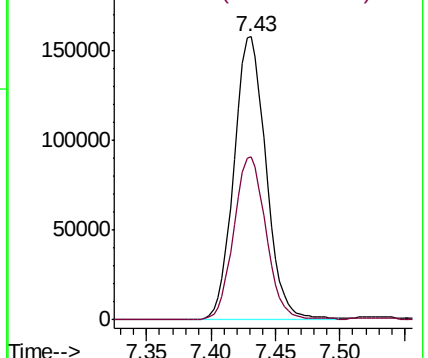
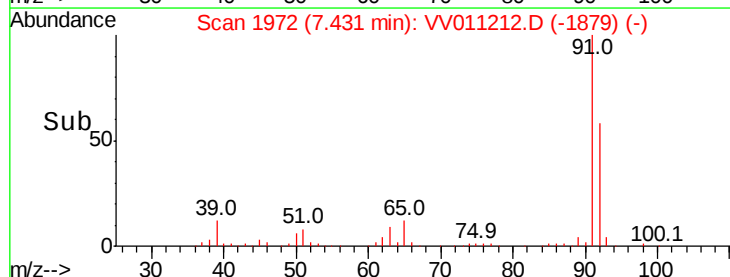
91 100

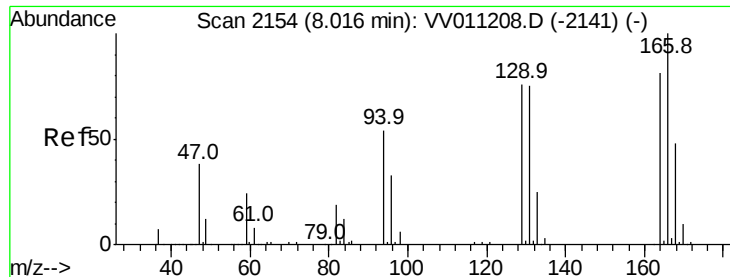
92 57.8 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0





#47

Tetrachloroethene

Concen: 0.444 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV011212.D

Acq: 04 Jun 2019 18:22

Instrument :

MSVOA_V

ClientSampleId :

GALD9MSD

Tot Ion:164 Resp: 4220

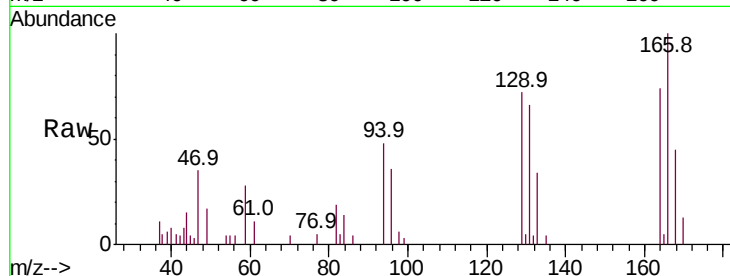
Ion Ratio Lower Upper

164 100

129 98.0 69.9 129.9

131 89.7 66.8 124.2

166 135.6 90.2 167.6

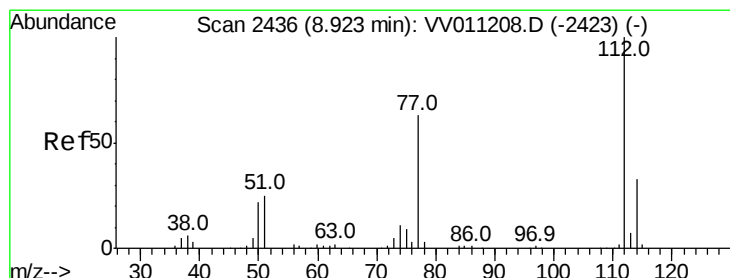
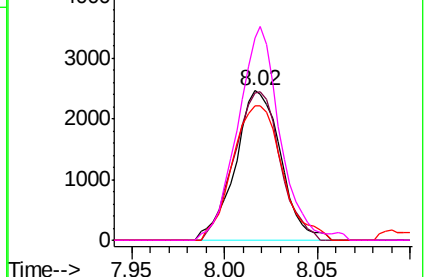
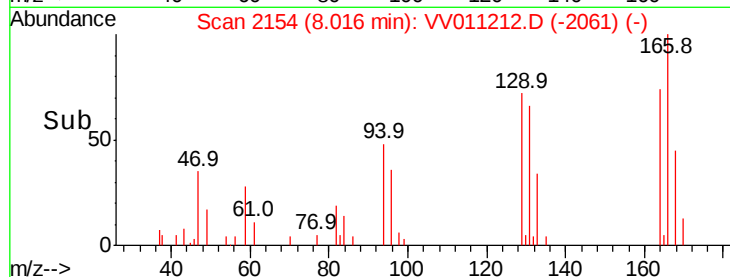


Abundance Ion 163.90 (163.60 to 164.60): V

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



#51

Chlorobenzene

Concen: 5.128 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV011212.D

Acq: 04 Jun 2019 18:22

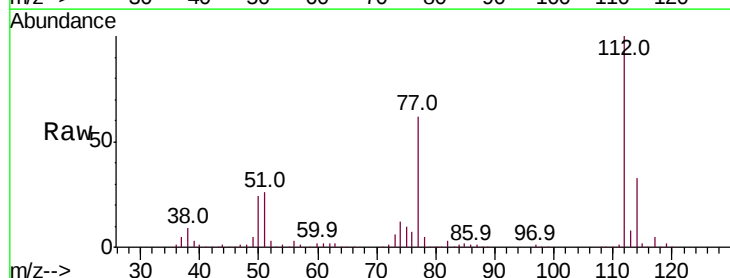
Tgt Ion:112 Resp: 169705

Ion Ratio Lower Upper

112 100

114 33.3 22.6 42.0

77 62.1 50.1 75.1



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): VV0

