

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111419\
 Data File : VV013631.D
 Acq On : 14 Nov 2019 19:40
 Operator : SY/MD
 Sample : K5856-02MS
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQG0

Quant Time: Nov 15 04:17:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 15 02:40:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	333010	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	333870	5.00	ug/L	-0.02
60) 1,4-Dichlorobenzene-d4	11.29	152	148523	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	110993	5.19	ug/L	-0.03
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.80%
7) Chloroethane-d5	1.58	69	97871	5.74	ug/L	-0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.80%
11) 1,1-Dichloroethene-d2	2.13	63	198729	5.43	ug/L	-0.03
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.60%
20) 2-Butanone-d5	3.92	46	288649	75.35	ug/L	-0.10
Spiked Amount	50.000	Range	40 - 130	Recovery	=	150.70%#
24) Chloroform-d	4.40	84	228550	6.23	ug/L	-0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	124.60%
26) 1,2-Dichloroethane-d4	5.08	65	120524	6.73	ug/L	-0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	134.60%#
32) Benzene-d6	5.10	84	438119	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
36) 1,2-Dichloropropane-d6	6.11	67	140689	5.10	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.36	98	366644	4.50	ug/L	-0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.66	79	51510	5.02	ug/L	-0.03
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.40%
46) 2-Hexanone-d5	8.13	63	233292	56.96	ug/L	-0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.92%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	108243	5.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	154773	5.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.00%

Target Compounds

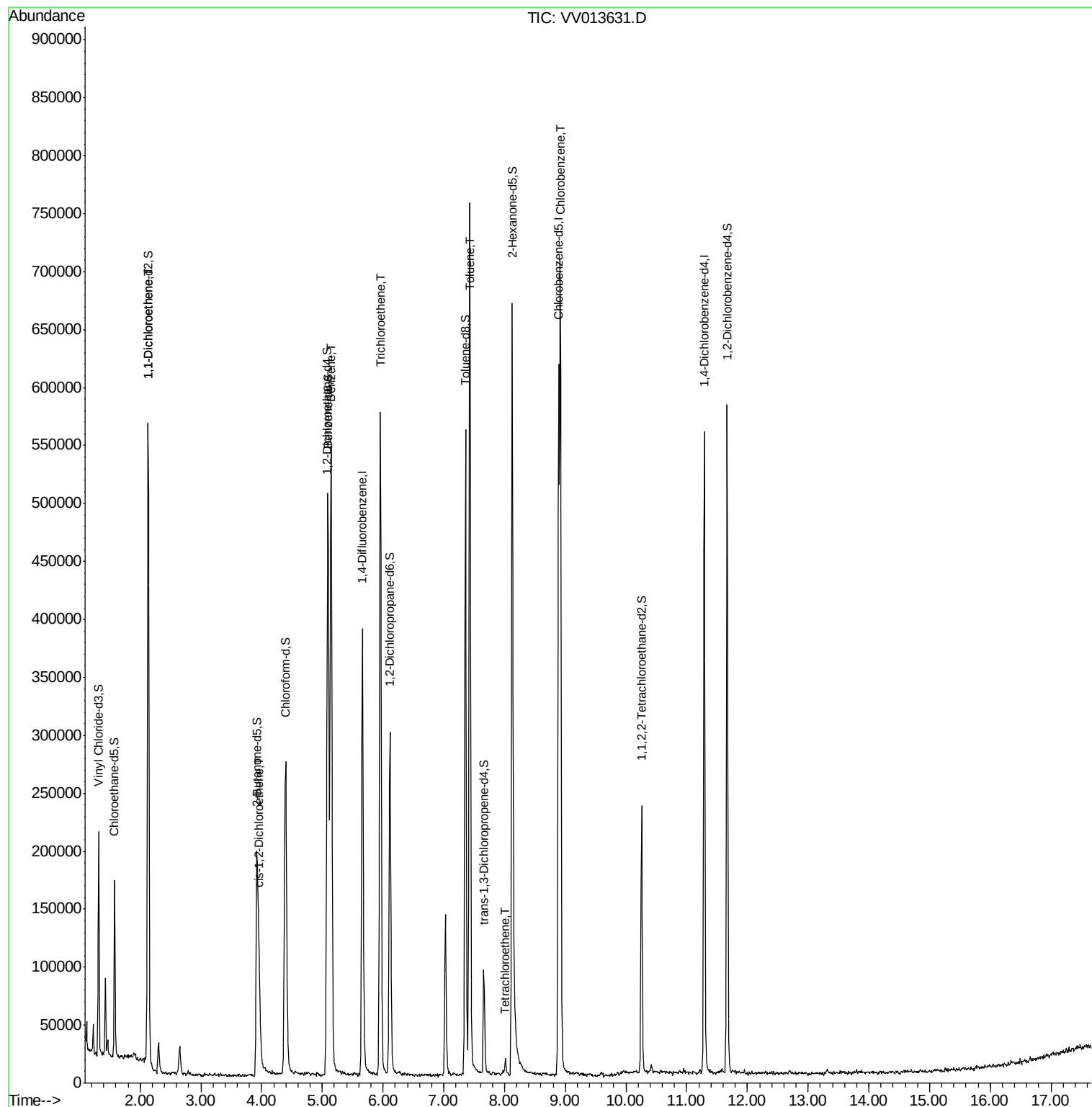
					Ovalue
12) 1,1-Dichloroethene	2.14	96	116251	6.005 ug/L	87
22) cis-1,2-Dichloroethene	3.96	96	28126	1.237 ug/L #	84
33) Benzene	5.14	78	534827	5.483 ug/L	100
34) Trichloroethene	5.96	95	192469	7.030 ug/L	98
42) Toluene	7.43	91	541002	5.107 ug/L	100
47) Tetrachloroethene	8.02	164	3072	0.123 ug/L	83
51) Chlorobenzene	8.92	112	366268	5.276 ug/L	99

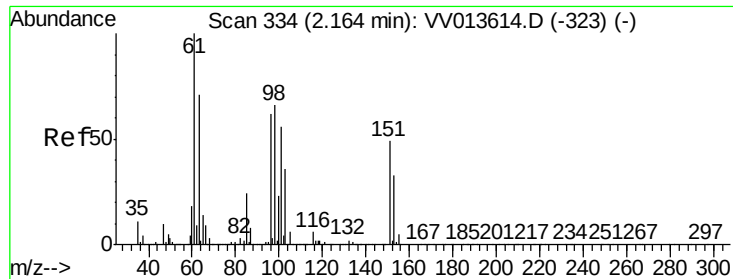
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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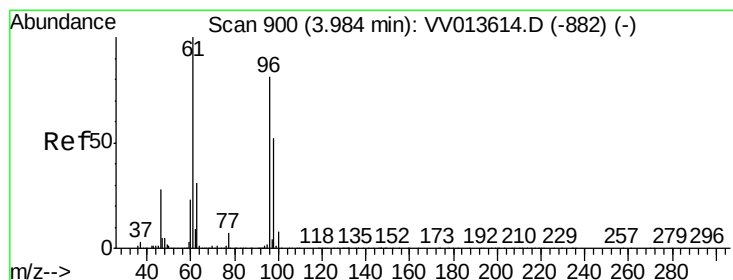
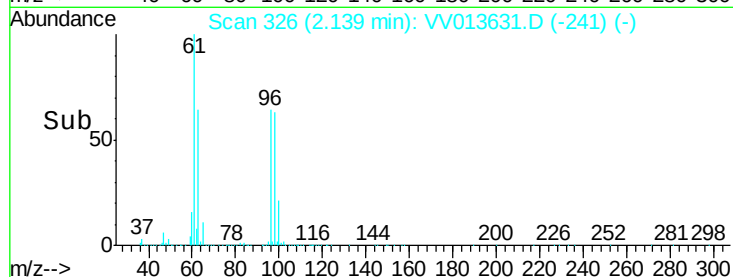
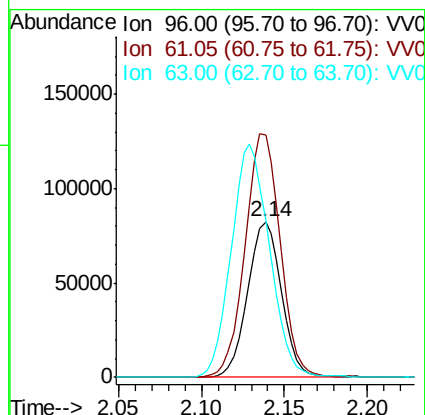
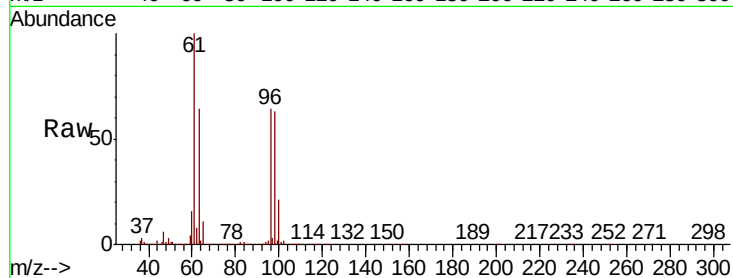




#12
 1,1-Dichloroethene
 Concen: 6.005 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. -0.03 min
 Lab File: VV013631.D
 Acq: 14 Nov 2019 19:40

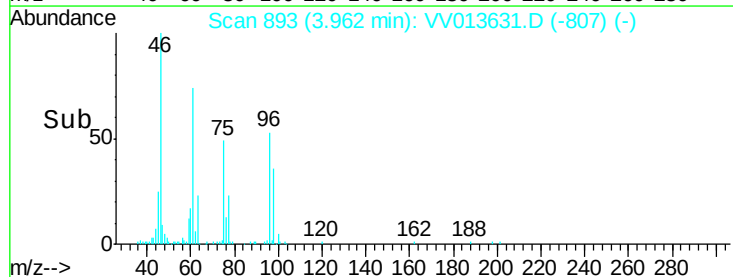
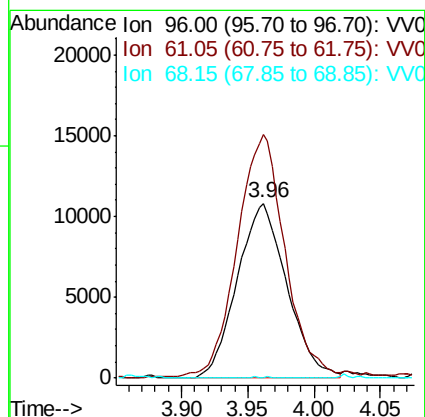
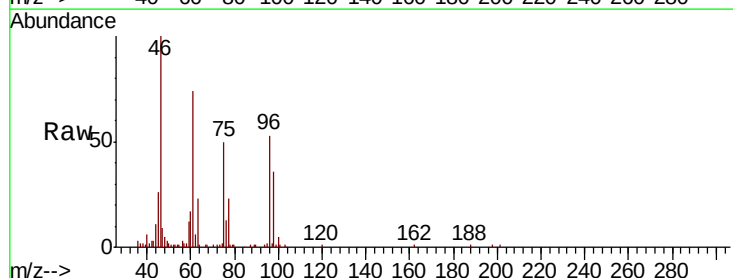
Instrument :
 MSVOA_V
 ClientSampleId :
 GAQG0

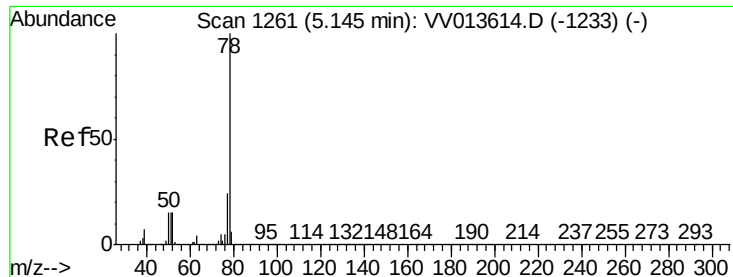
Tot Ion: 96 Resp: 116251
 Ion Ratio Lower Upper
 96 100
 61 156.1 115.6 214.6
 63 100.4 87.2 162.0



#22
 cis-1,2-Dichloroethene
 Concen: 1.237 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.02 min
 Lab File: VV013631.D
 Acq: 14 Nov 2019 19:40

Tgt Ion: 96 Resp: 28126
 Ion Ratio Lower Upper
 96 100
 61 139.5 84.7 157.3
 68 0.0 0.3 0.7#





#33

Benzene

Concen: 5.483 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV013631.D

Acq: 14 Nov 2019 19:40

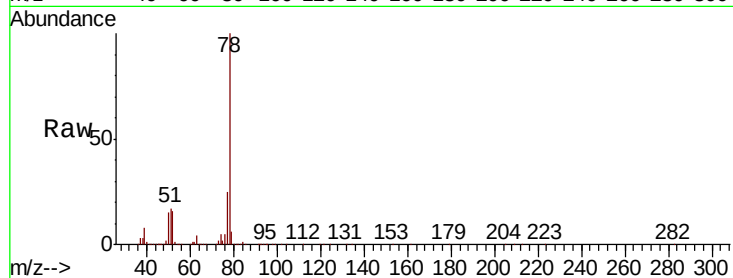
Instrument :

MSVOA_V

ClientSampled :

GAQG0

Tgt Ion: 78 Resp: 534827



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

250000

200000

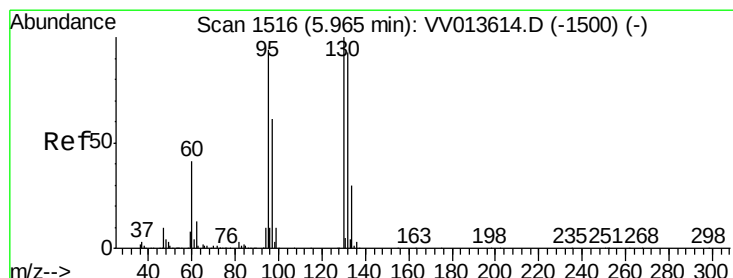
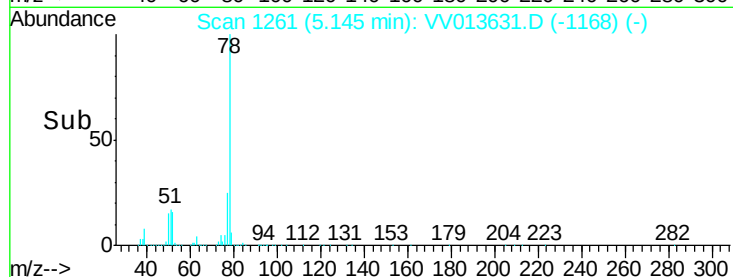
150000

100000

50000

0

Time--> 5.00 5.10 5.20 5.30



#34

Trichloroethene

Concen: 7.030 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VV013631.D

Acq: 14 Nov 2019 19:40

Tgt Ion: 95 Resp: 192469

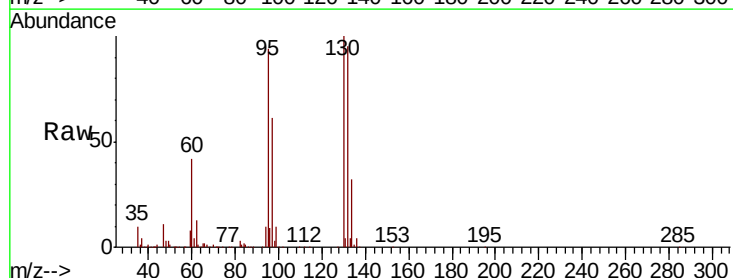
Ion Ratio Lower Upper

95 100

97 65.6 47.0 87.4

132 101.2 72.2 134.0

130 106.7 75.7 140.7



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): VV0

Ion 129.95 (129.65 to 130.65): VV0

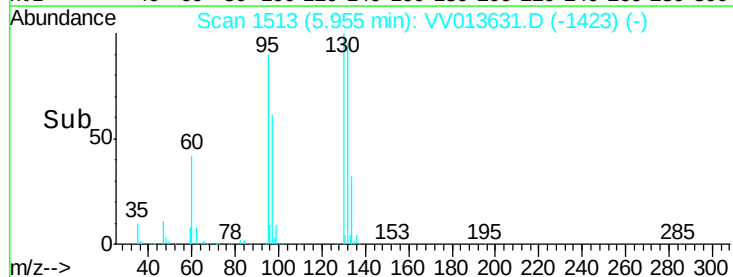
150000

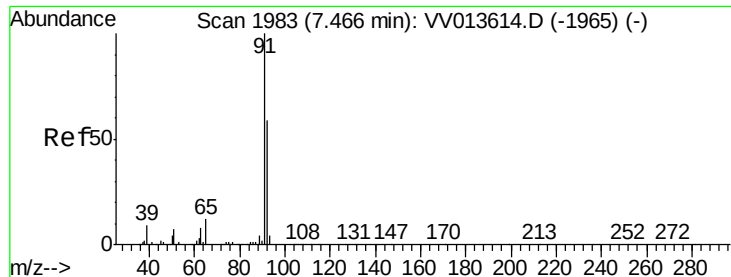
100000

50000

0

Time--> 5.85 5.90 5.95 6.00 6.05





#42

Toluene

Concen: 5.107 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.04 min

Lab File: VV013631.D

Acq: 14 Nov 2019 19:40

Instrument :

MSVOA_V

ClientSampleId :

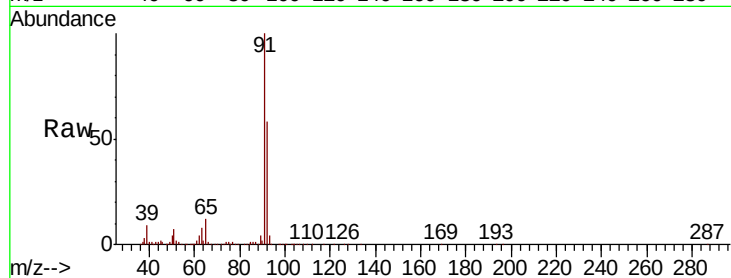
GAQG0

Tot Ion: 91 Resp: 541002

Ion Ratio Lower Upper

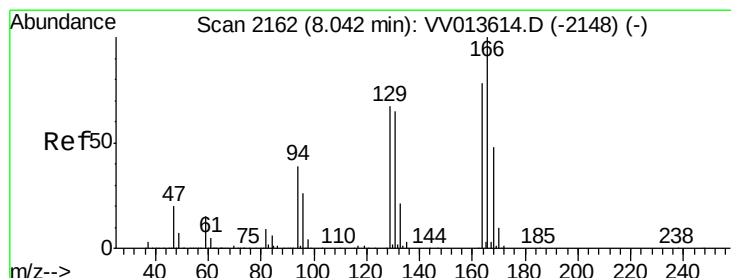
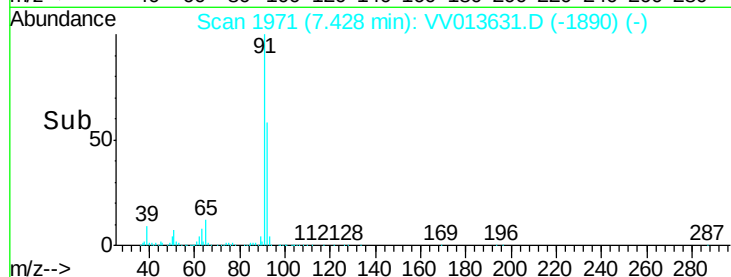
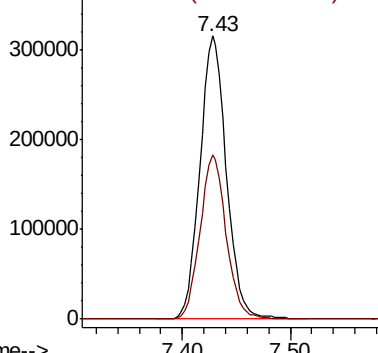
91 100

92 57.9 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#47

Tetrachloroethene

Concen: 0.123 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.02 min

Lab File: VV013631.D

Acq: 14 Nov 2019 19:40

Tgt Ion: 164 Resp: 3072

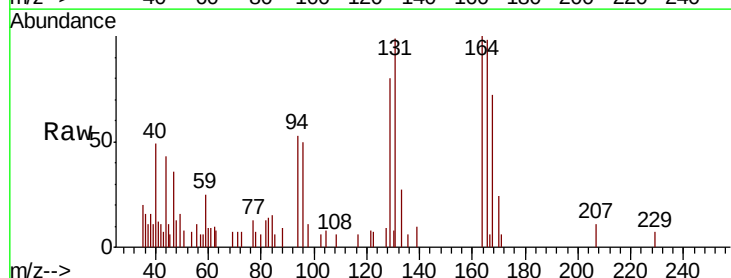
Ion Ratio Lower Upper

164 100

129 79.9 61.6 114.4

131 98.5 59.0 109.6

166 98.3 87.9 163.3

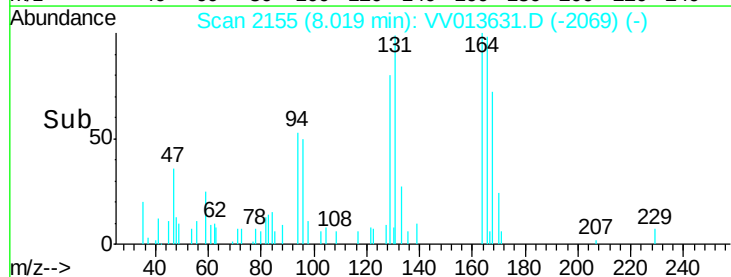
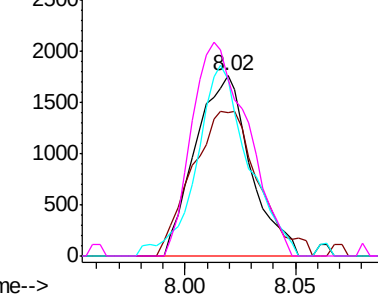


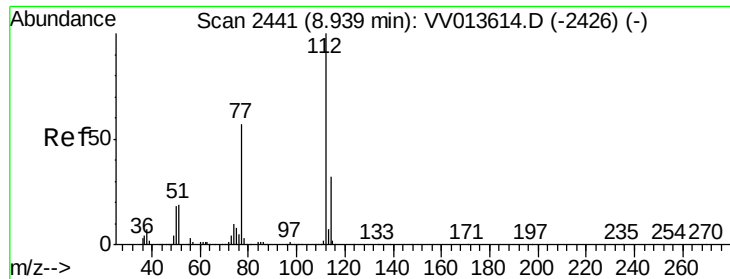
Abundance Ion 163.90 (163.60 to 164.60): V

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: 5.276 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.02 min

Lab File: VV013631.D

Acq: 14 Nov 2019 19:40

Instrument :

MSVOA_V

ClientSampleId :

GAQG0

Tot Ion:112 Resp: 366268

Ion Ratio Lower Upper

112 100

114 31.5 22.3 41.5

77 57.0 46.0 69.0

