

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102519\
 Data File : VV013347.D
 Acq On : 25 Oct 2019 15:44
 Operator : SY/MD
 Sample : K5462-16
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G14

Quant Time: Oct 26 01:27:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 26 00:57:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	402809	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	431287	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	231729	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	182477	6.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	122.80%
7) Chloroethane-d5	1.58	69	144937	5.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.20%
11) 1,1-Dichloroethene-d2	2.13	63	226239	4.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.60%
20) 2-Butanone-d5	3.95	46	392418	68.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	137.62%#
24) Chloroform-d	4.40	84	345997	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.08	65	167136	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.10	84	756097	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
36) 1,2-Dichloropropane-d6	6.12	67	221944	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.36	98	654016	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	7.66	79	75390	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.14	63	230991	40.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.54%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	146164	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	255877	5.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.60%

Target Compounds

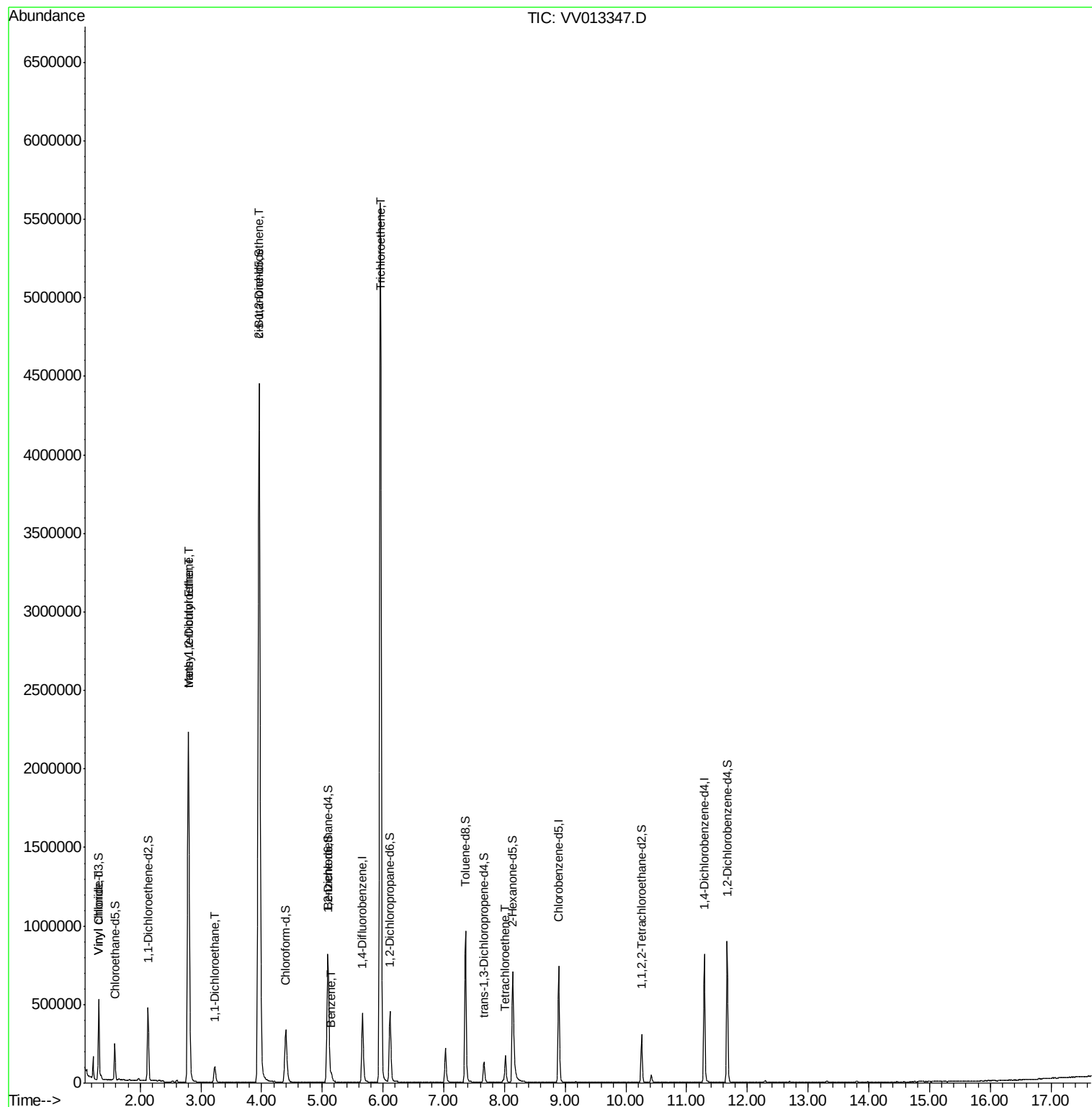
					Ovalue
5) Vinyl chloride	1.32	62	135082	3.475	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	959066	13.076	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	645332	17.285	ug/L 94
19) 1,1-Dichloroethane	3.23	63	101241	1.668	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	2533083	63.390	ug/L # 92
33) Benzene	5.15	78	46252	0.281	ug/L 100
34) Trichloroethene	5.96	95	1914346	43.321	ug/L 97
47) Tetrachloroethene	8.02	164	43092	1.074	ug/L 98

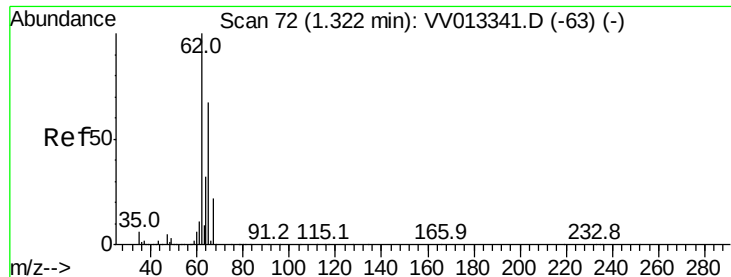
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.475 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013347.D

Acq: 25 Oct 2019 15:44

Instrument :

MSVOA_V

ClientSampled :

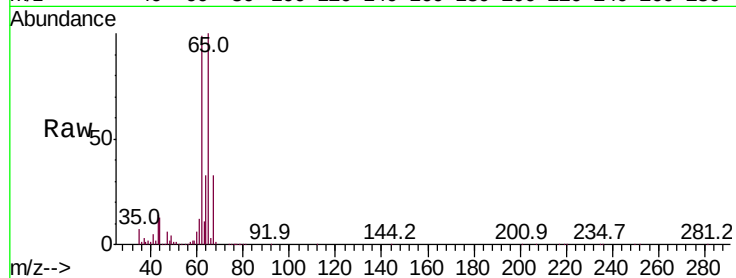
H0G14

Tot Ion: 62 Resp: 135082

Ion Ratio Lower Upper

62 100

64 34.0 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

150000

100000

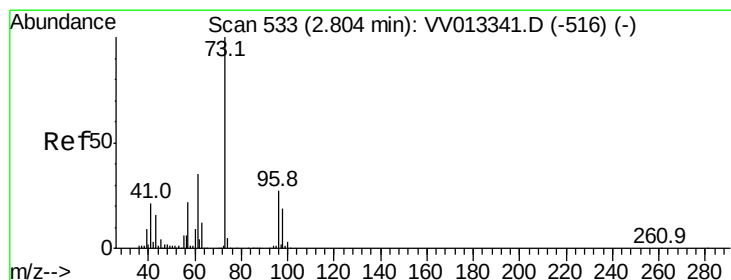
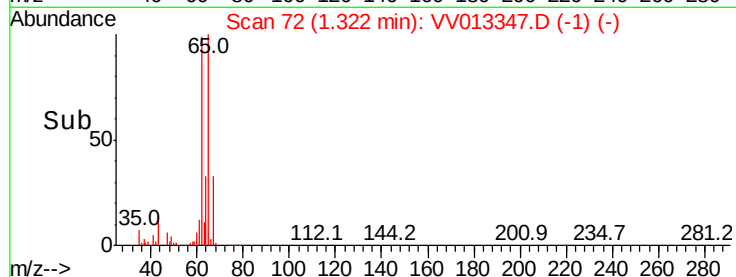
50000

0

1.32

1.25 1.30 1.35 1.40

Time-->



#17

Methyl tert-butyl Ether

Concen: 13.076 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV013347.D

Acq: 25 Oct 2019 15:44

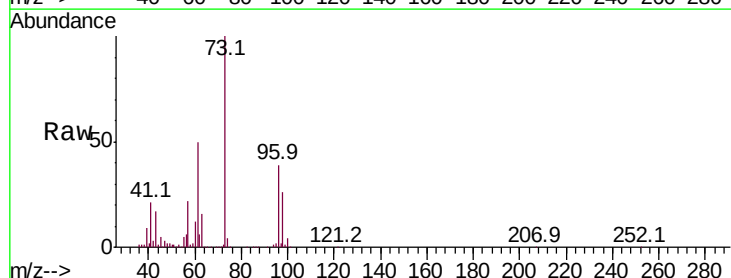
Tgt Ion: 73 Resp: 959066

Ion Ratio Lower Upper

73 100

43 17.4 13.1 19.7

57 21.6 16.4 24.6



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0

600000

500000

400000

300000

200000

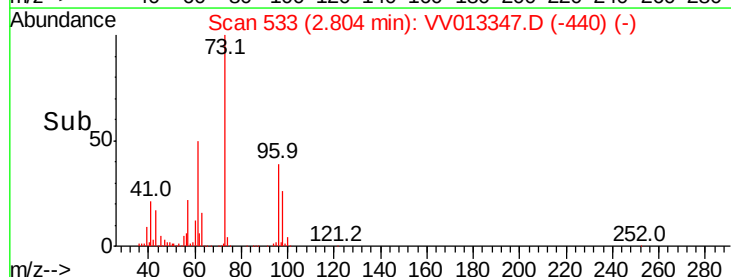
100000

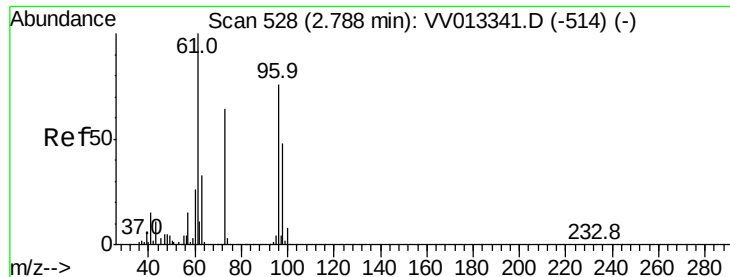
0

2.80

2.70 2.80 2.90

Time-->

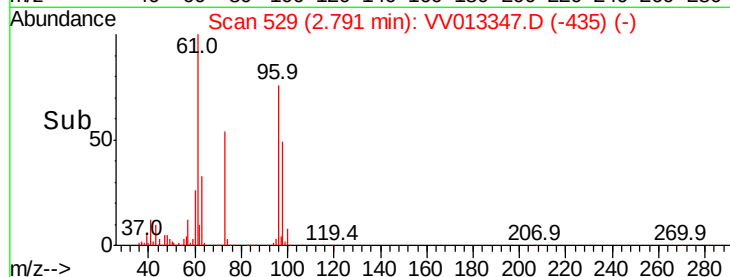
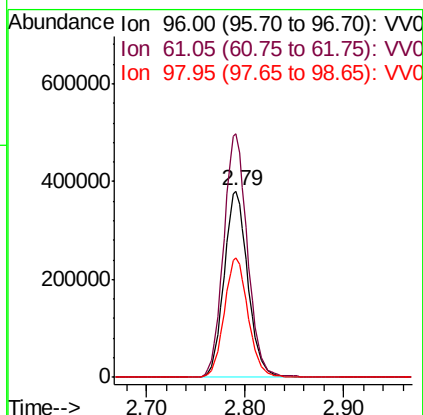
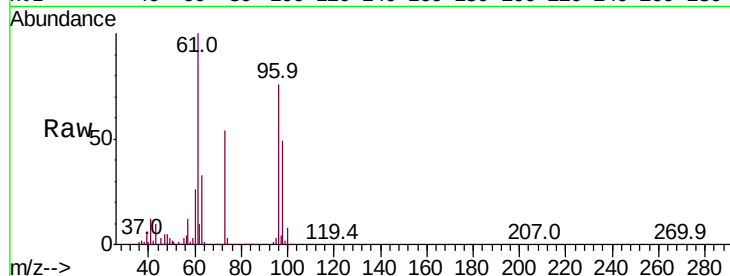




#18
trans-1,2-Dichloroethene
Concen: 17.285 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013347.D
Acq: 25 Oct 2019 15:44

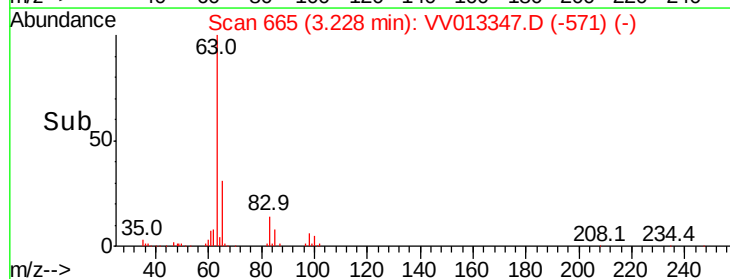
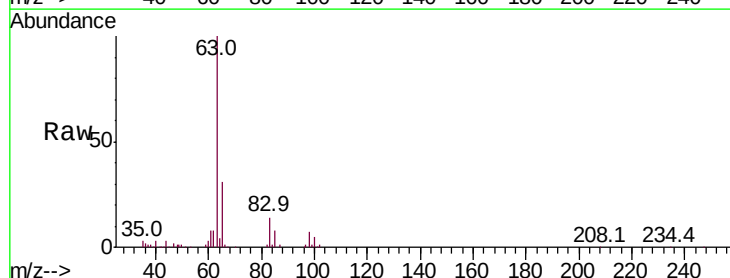
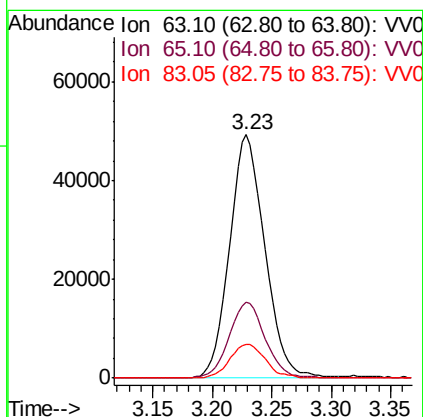
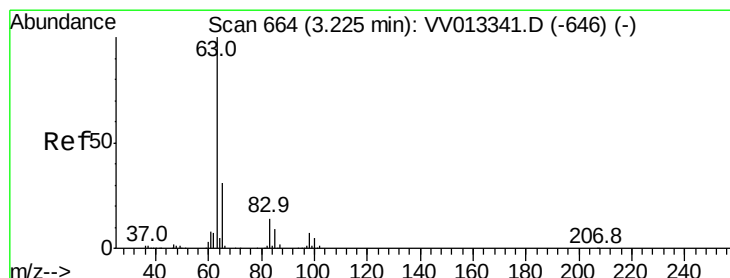
Instrument :
MSVOA_V
ClientSampleId :
H0G14

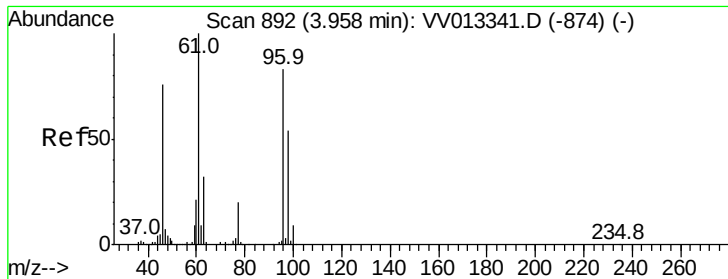
Tot Ion: 96 Resp: 645332
Ion Ratio Lower Upper
96 100
61 130.8 84.4 156.8
98 64.4 44.4 82.4



#19
1,1-Dichloroethane
Concen: 1.668 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV013347.D
Acq: 25 Oct 2019 15:44

Tgt Ion: 63 Resp: 101241
Ion Ratio Lower Upper
63 100
65 31.0 23.0 42.8
83 14.0 10.2 19.0



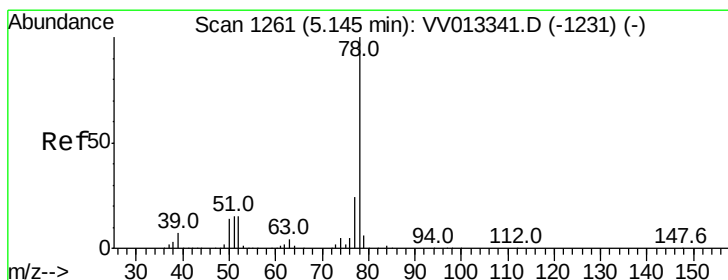
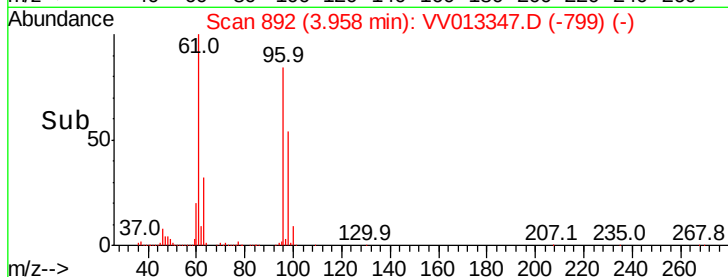
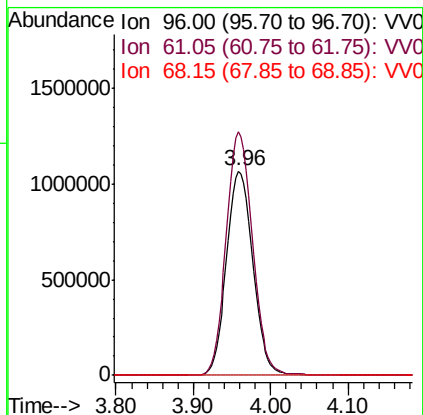
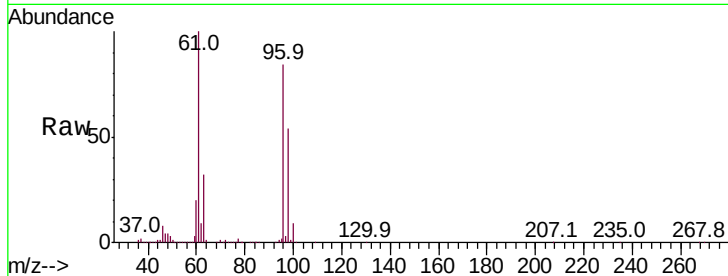


#22

cis-1,2-Dichloroethene
 Concen: 63.390 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV013347.D
 Acq: 25 Oct 2019 15:44

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G14

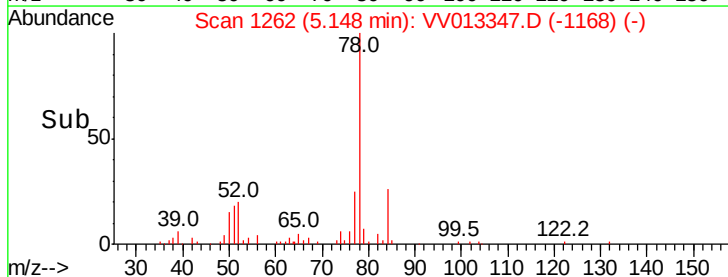
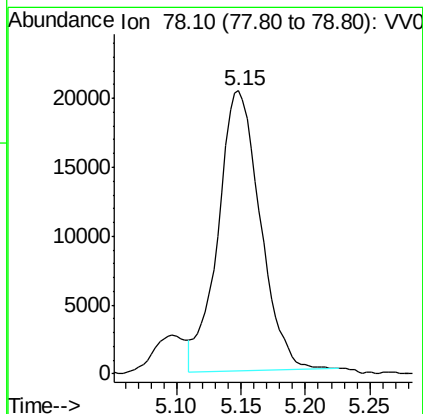
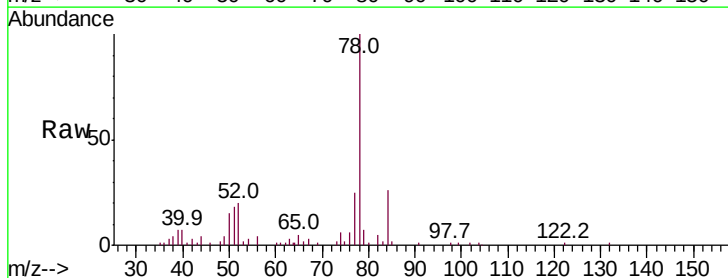
Tot Ion: 96 Resp: 2533083
 Ion Ratio Lower Upper
 96 100
 61 119.2 77.3 143.7
 68 0.0 0.1 0.1#

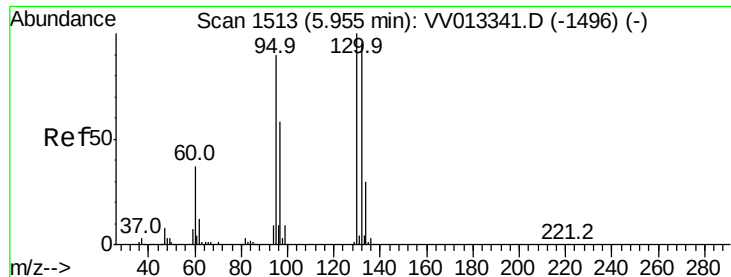


#33

Benzene
 Concen: 0.281 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VV013347.D
 Acq: 25 Oct 2019 15:44

Tgt Ion: 78 Resp: 46252





#34

Trichloroethene

Concen: 43.321 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013347.D

Acq: 25 Oct 2019 15:44

Instrument :

MSVOA_V

ClientSampleId :

H0G14

Tot Ion: 95 Resp: 1914346

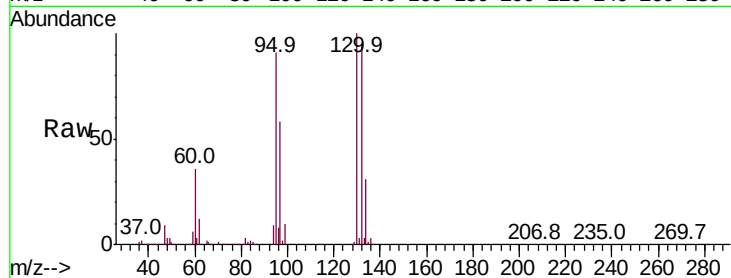
Ion Ratio Lower Upper

95 100

97 64.0 45.2 84.0

132 105.5 70.6 131.2

130 110.5 75.5 140.3

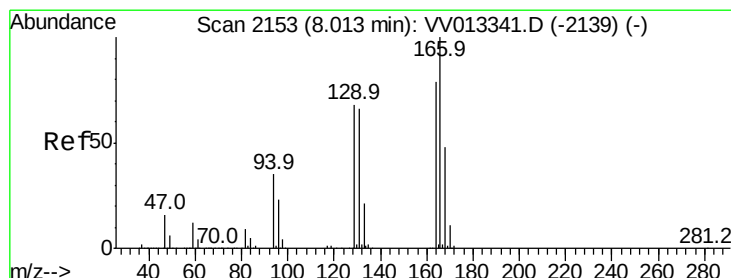
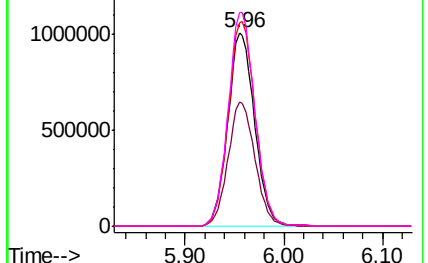
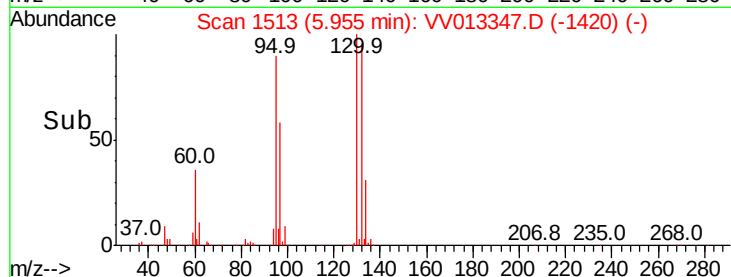


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#47

Tetrachloroethene

Concen: 1.074 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013347.D

Acq: 25 Oct 2019 15:44

Tgt Ion: 164 Resp: 43092

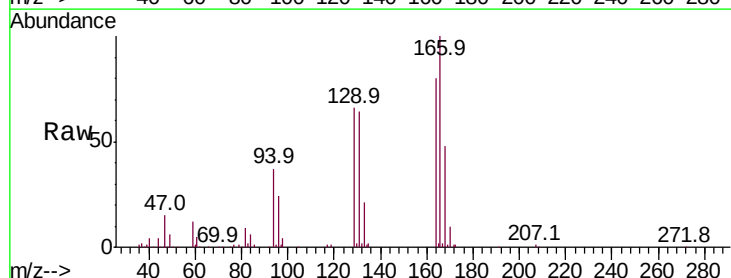
Ion Ratio Lower Upper

164 100

129 82.3 61.0 113.2

131 79.9 57.5 106.9

166 125.1 87.8 163.0



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

