

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102519\
 Data File : VV013331.D
 Acq On : 24 Oct 2019 22:32
 Operator : SY/MD
 Sample : K5462-16
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G14

Quant Time: Oct 25 05:40:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 25 04:42:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	433539	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	465168	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	241894	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	149346	4.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.40%
7) Chloroethane-d5	1.59	69	128984	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.13	63	185869	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	3.95	46	387049	63.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.12%
24) Chloroform-d	4.40	84	326613	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	5.08	65	155860	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	5.10	84	670984	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.12	67	205991	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	7.36	98	566232	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.20%
43) trans-1,3-Dichloropropene-	7.66	79	60121	3.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.00%
46) 2-Hexanone-d5	8.14	63	198534	32.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	64.98%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	138192	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	230536	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

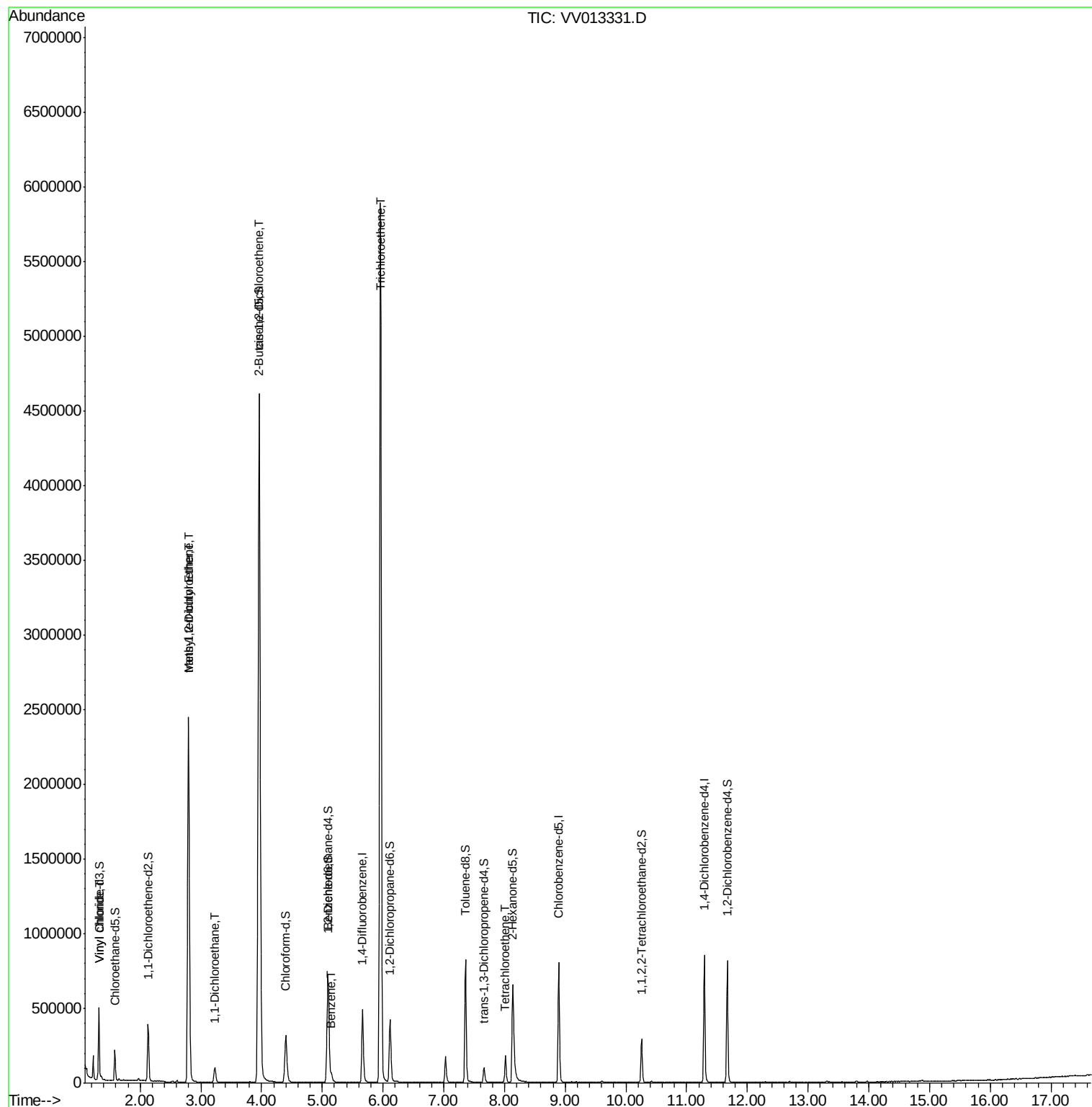
					Ovalue
5) Vinyl chloride	1.32	62	145249	3.472	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	998979	12.655	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	669647	16.665	ug/L 95
19) 1,1-Dichloroethane	3.23	63	104312	1.597	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	2644752	61.493	ug/L # 91
33) Benzene	5.15	78	47664	0.268	ug/L 100
34) Trichloroethene	5.96	95	2009135	42.154	ug/L 97
47) Tetrachloroethene	8.02	164	44317	1.024	ug/L 98

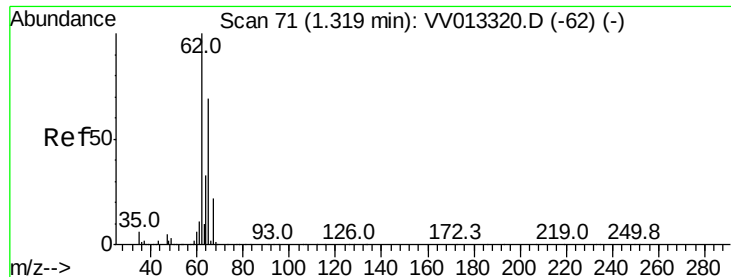
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 25 04:42:43 2019
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#5

Vinyl chloride

Concen: 3.472 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013331.D

Acq: 24 Oct 2019 22:32

Instrument :

MSVOA_V

ClientSampled :

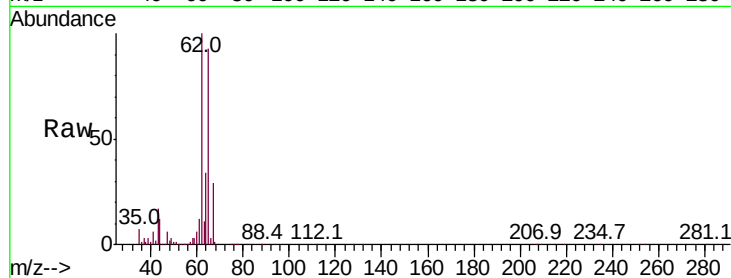
H0G14

Tot Ion: 62 Resp: 145249

Ion Ratio Lower Upper

62 100

64 34.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

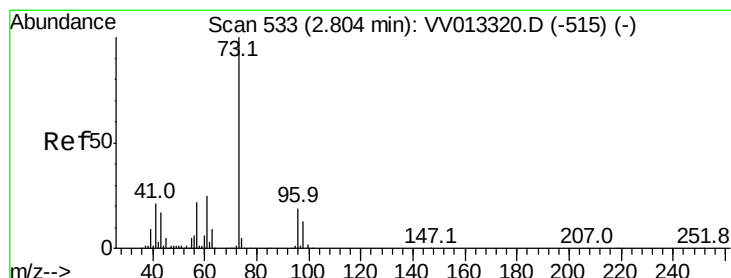
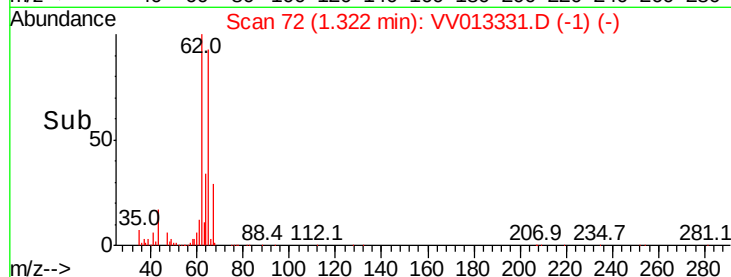
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#17

Methyl tert-butyl Ether

Concen: 12.655 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV013331.D

Acq: 24 Oct 2019 22:32

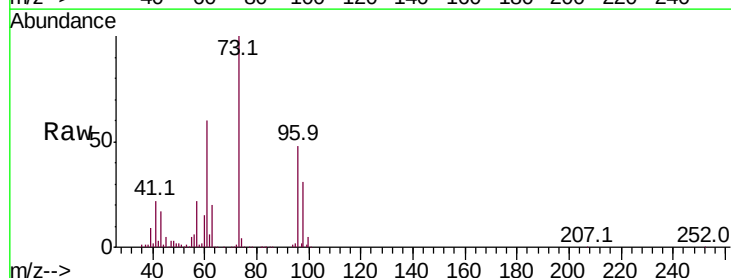
Tgt Ion: 73 Resp: 998979

Ion Ratio Lower Upper

73 100

43 17.7 13.1 19.7

57 22.1 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

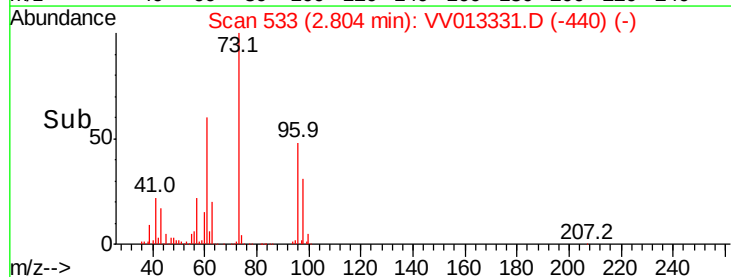
300000

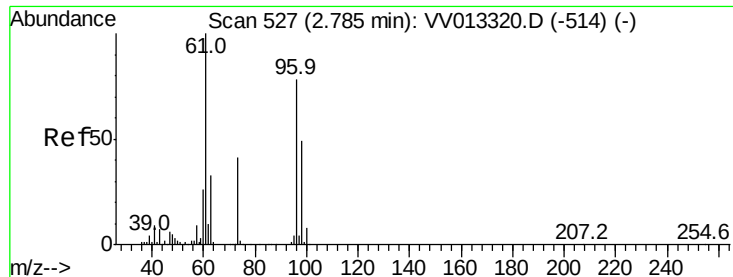
200000

100000

0

Time--> 2.70 2.80 2.90





#18

trans-1,2-Dichloroethene

Concen: 16.665 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.01 min

Lab File: VV013331.D

Acq: 24 Oct 2019 22:32

Instrument :

MSVOA_V

ClientSampleId :

H0G14

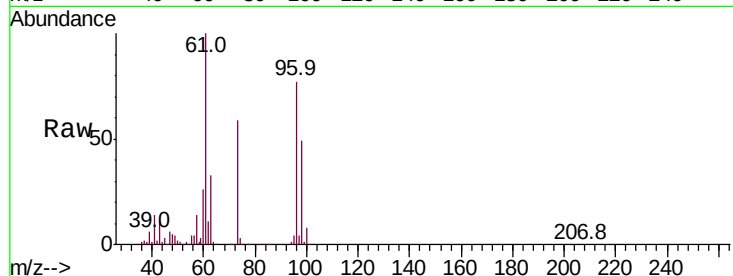
Tot Ion: 96 Resp: 669647

Ion Ratio Lower Upper

96 100

61 129.7 84.4 156.8

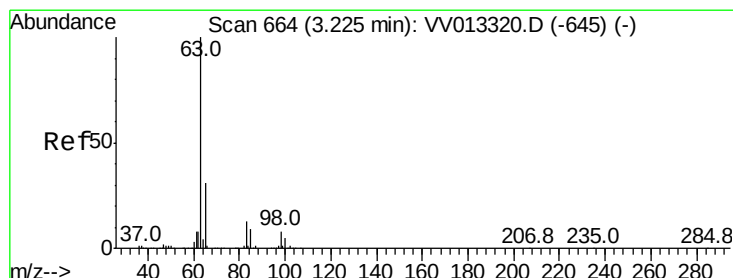
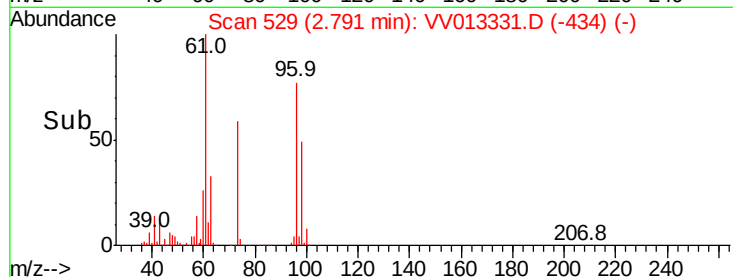
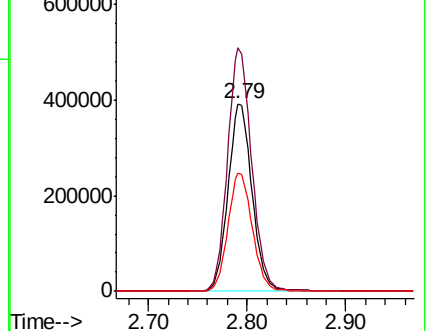
98 63.2 44.4 82.4



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#19

1,1-Dichloroethane

Concen: 1.597 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.01 min

Lab File: VV013331.D

Acq: 24 Oct 2019 22:32

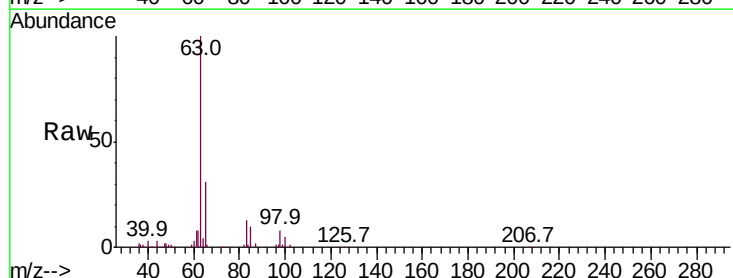
Tgt Ion: 63 Resp: 104312

Ion Ratio Lower Upper

63 100

65 31.1 23.0 42.8

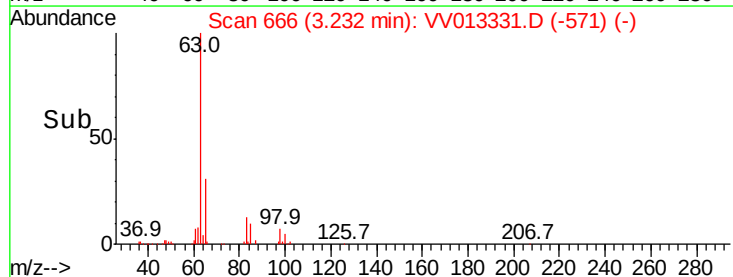
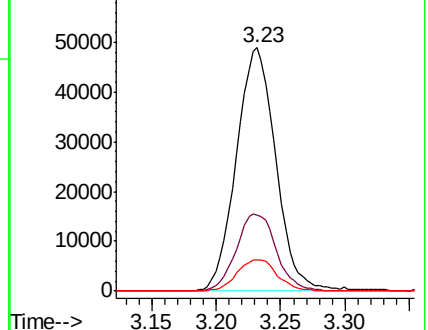
83 12.8 10.2 19.0

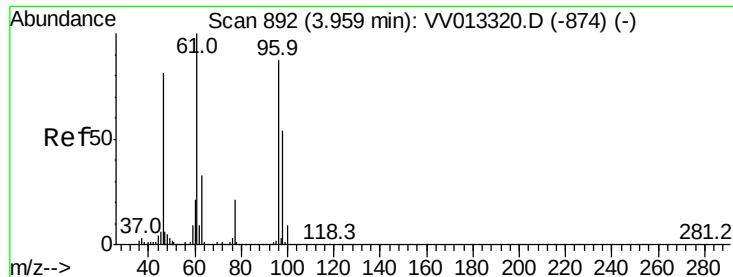


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0





#22

cis-1,2-Dichloroethene

Concen: 61.493 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV013331.D

Acq: 24 Oct 2019 22:32

Instrument :

MSVOA_V

ClientSampleId :

H0G14

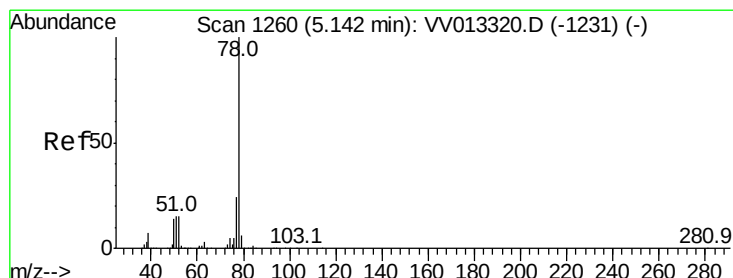
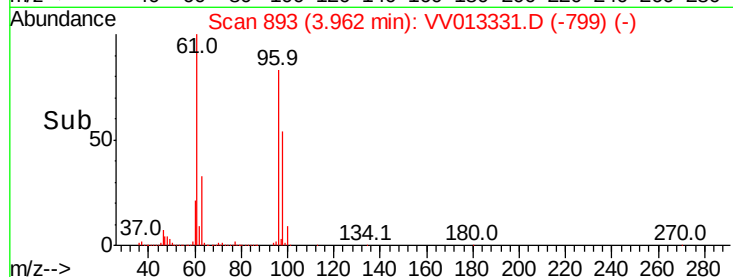
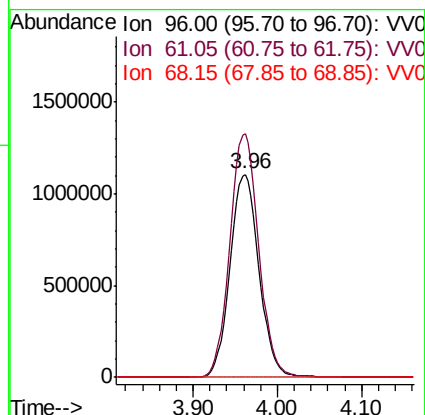
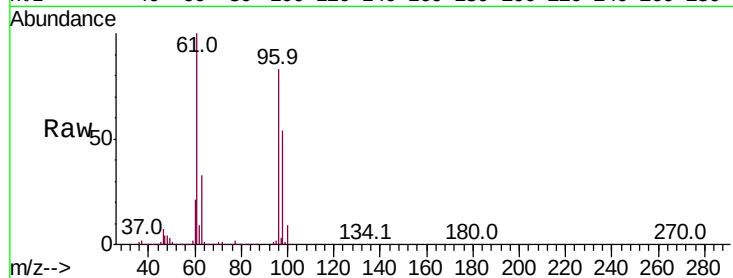
Tot Ion: 96 Resp: 2644752

Ion Ratio Lower Upper

96 100

61 120.0 77.3 143.7

68 0.0 0.1 0.1#



#33

Benzene

Concen: 0.268 ug/L

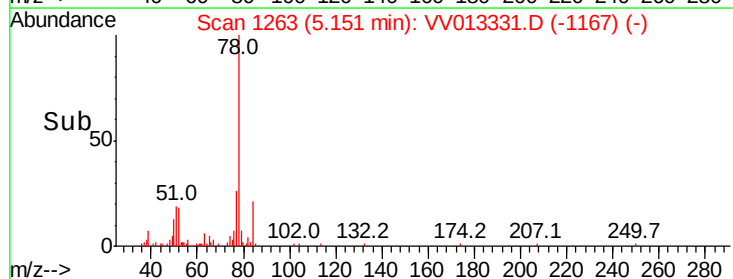
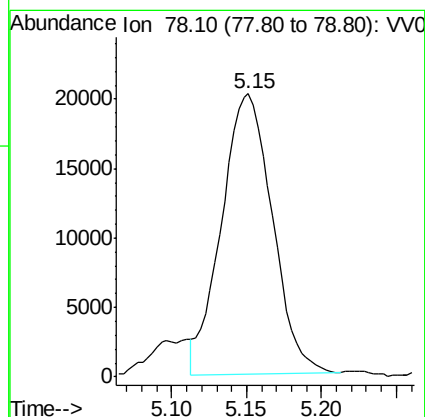
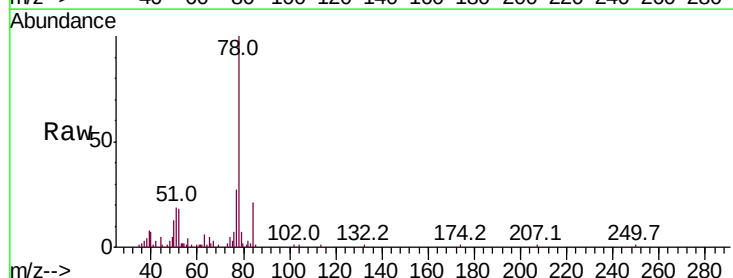
RT: 5.15 min Scan# 1263

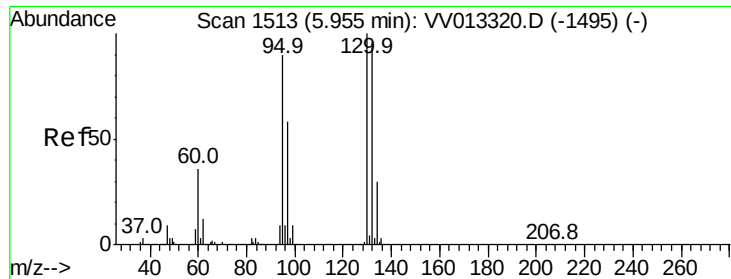
Delta R.T. 0.01 min

Lab File: VV013331.D

Acq: 24 Oct 2019 22:32

Tgt Ion: 78 Resp: 47664





#34

Trichloroethene

Concen: 42.154 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013331.D

Acq: 24 Oct 2019 22:32

Instrument :

MSVOA_V

ClientSampleId :

H0G14

Tot Ion: 95 Resp: 2009135

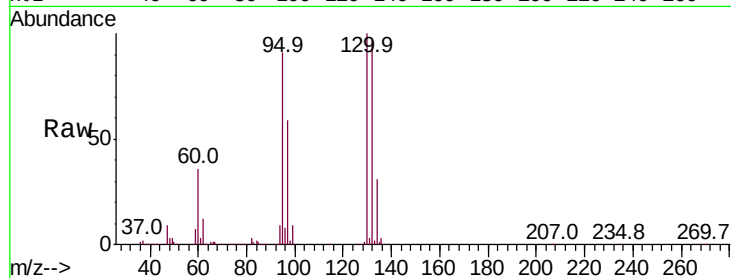
Ion Ratio Lower Upper

95 100

97 65.0 45.2 84.0

132 106.7 70.6 131.2

130 110.2 75.5 140.3

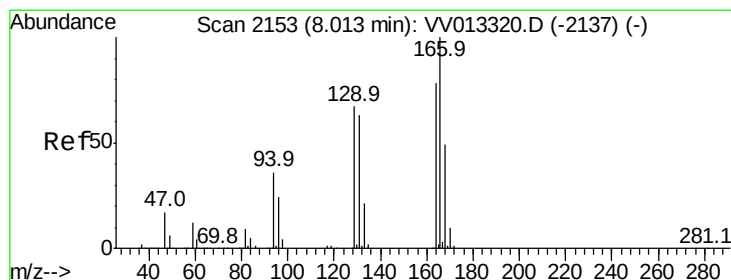
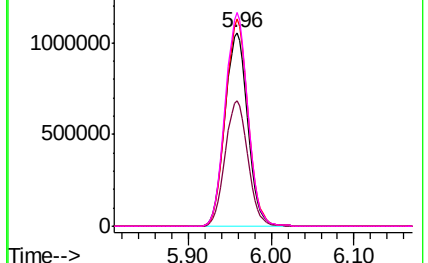
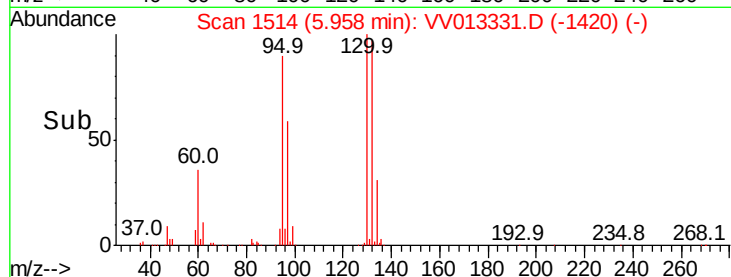


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#47

Tetrachloroethene

Concen: 1.024 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013331.D

Acq: 24 Oct 2019 22:32

Tgt Ion:164 Resp: 44317

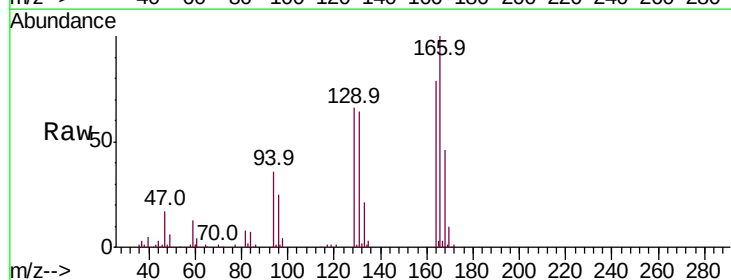
Ion Ratio Lower Upper

164 100

129 84.7 61.0 113.2

131 81.5 57.5 106.9

166 127.3 87.8 163.0



Abundance Ion 163.90 (163.60 to 164.60): VV0

Ion 128.95 (128.65 to 129.65): VV0

Ion 130.95 (130.65 to 131.65): VV0

Ion 165.90 (165.60 to 166.60): VV0

