

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102519\
 Data File : VV013330.D
 Acq On : 24 Oct 2019 22:08
 Operator : SY/MD
 Sample : K5462-15
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G12

Quant Time: Oct 25 05:36:30 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	423485	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	461867	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	241388	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	159499	5.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.20%
7) Chloroethane-d5	1.59	69	133021	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.13	63	195673	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	3.94	46	381783	63.67	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.34%
24) Chloroform-d	4.40	84	340549	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.08	65	164723	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.10	84	700059	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.12	67	216437	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.36	98	589144	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	7.66	79	61420	3.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.20%
46) 2-Hexanone-d5	8.13	63	211829	34.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	69.82%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	148018	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	247036	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

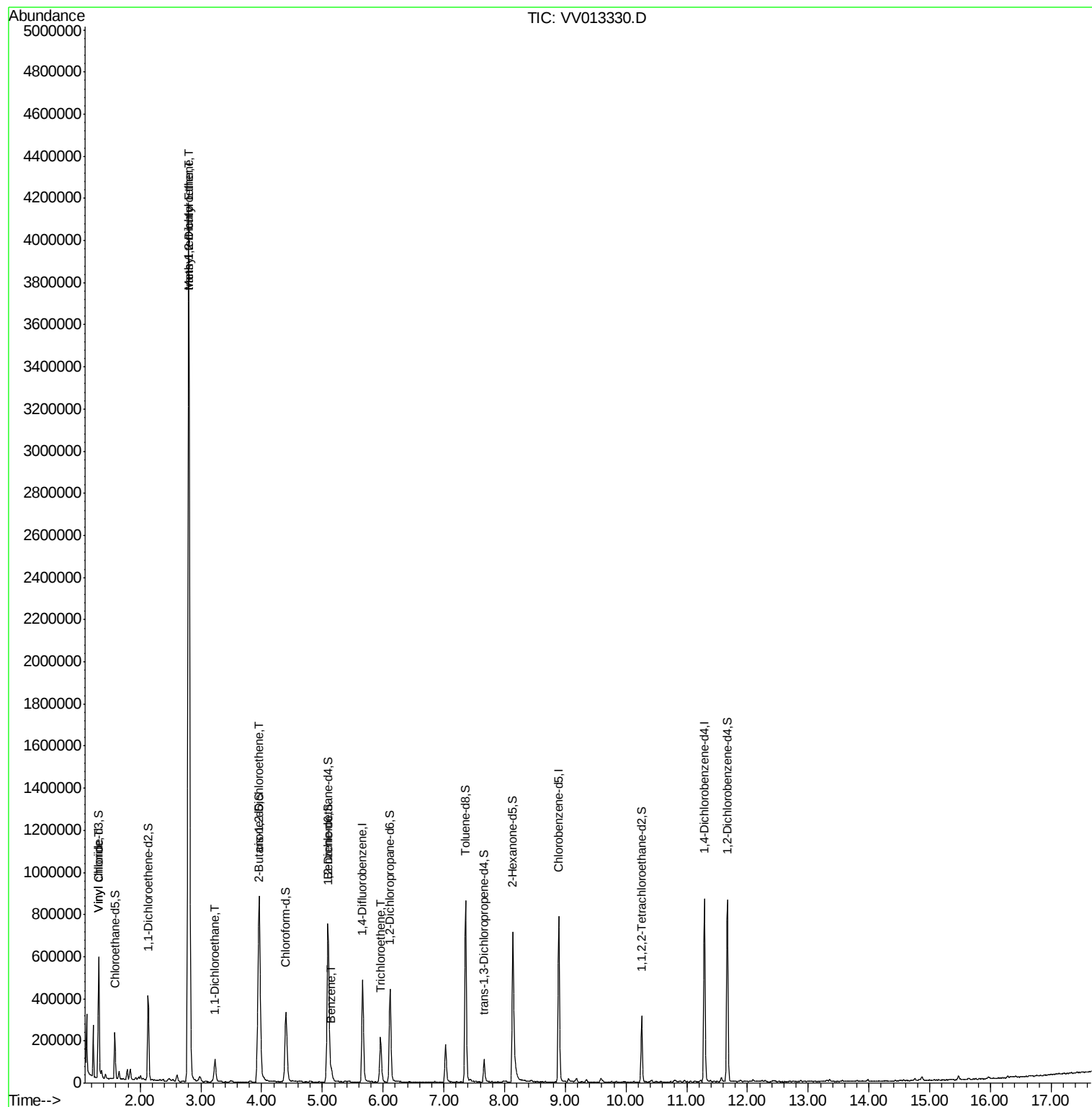
					Ovalue
5) Vinyl chloride	1.32	62	77516	1.897	ug/L 95
17) Methyl tert-butyl Ether	2.80	73	3829235	49.659	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	205411	5.233	ug/L 91
19) 1,1-Dichloroethane	3.23	63	106344	1.667	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	450299	10.718	ug/L # 93
33) Benzene	5.15	78	56280	0.319	ug/L 100
34) Trichloroethene	5.96	95	68716	1.452	ug/L 93

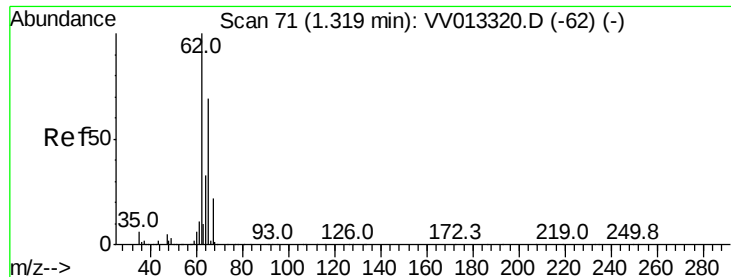
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.897 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.01 min

Lab File: VV013330.D

Acq: 24 Oct 2019 22:08

Instrument :

MSVOA_V

ClientSampleId :

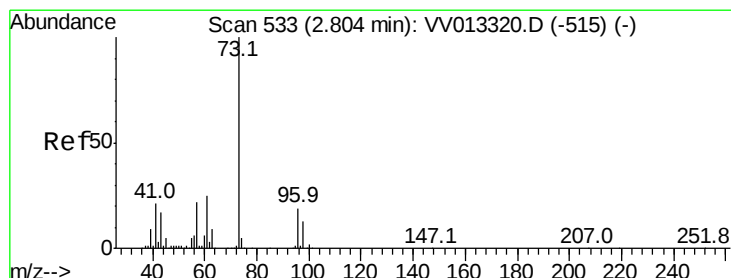
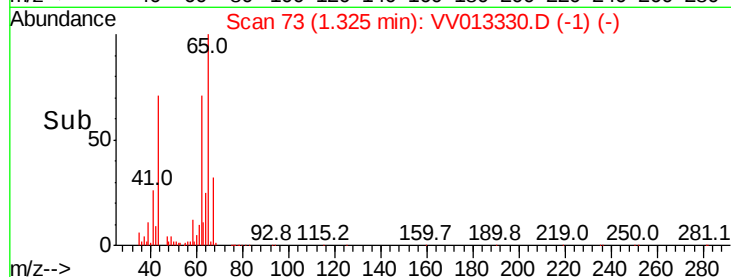
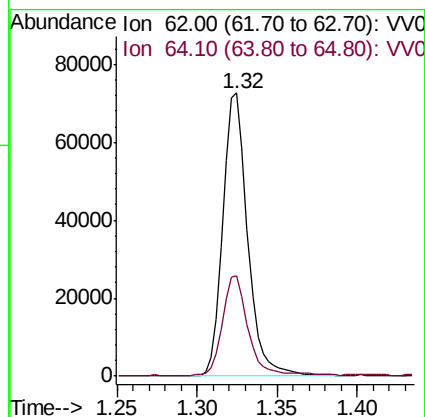
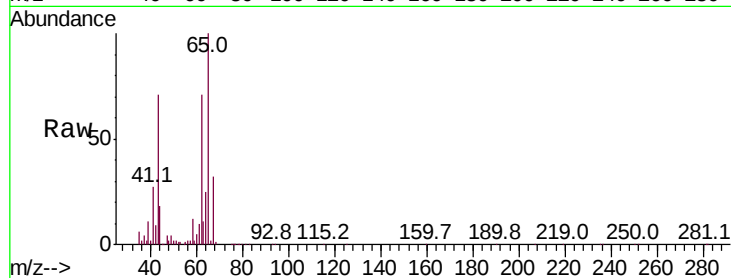
H0G12

Tot Ion: 62 Resp: 77516

Ion Ratio Lower Upper

62 100

64 35.3 22.9 42.5



#17

Methyl tert-butyl Ether

Concen: 49.659 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV013330.D

Acq: 24 Oct 2019 22:08

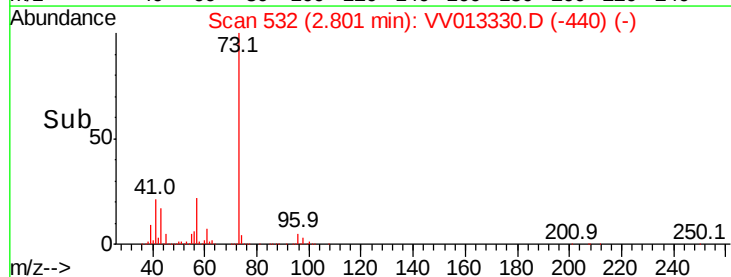
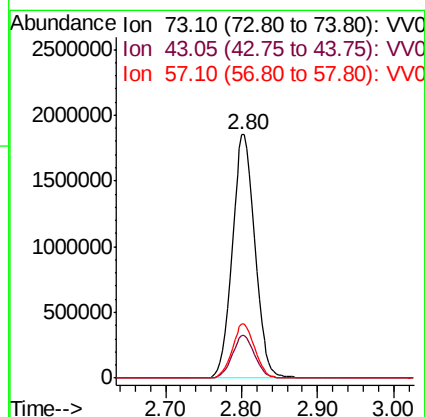
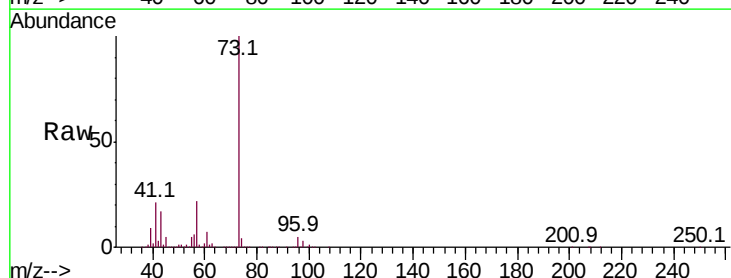
Tgt Ion: 73 Resp: 3829235

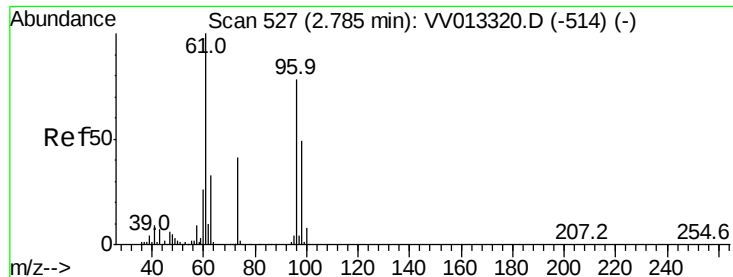
Ion Ratio Lower Upper

73 100

43 17.4 13.1 19.7

57 22.1 16.4 24.6





#18

trans-1,2-Dichloroethene

Concen: 5.233 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

Lab File: VV013330.D

Acq: 24 Oct 2019 22:08

Instrument :

MSVOA_V

ClientSampleId :

H0G12

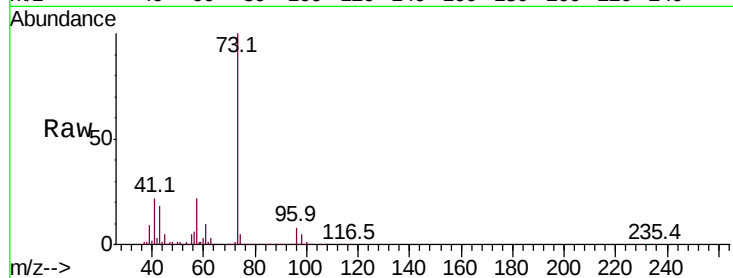
Tot Ion: 96 Resp: 205411

Ion Ratio Lower Upper

96 100

61 133.3 84.4 156.8

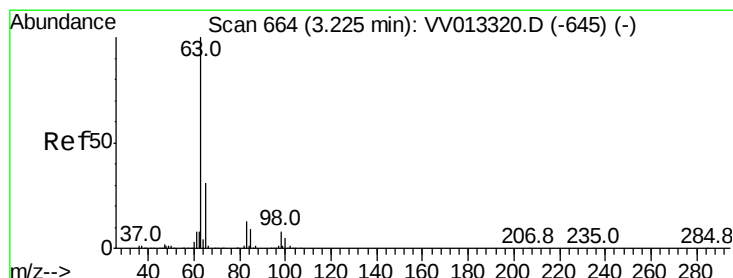
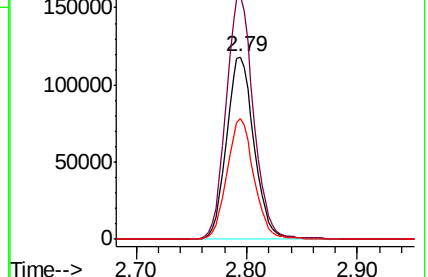
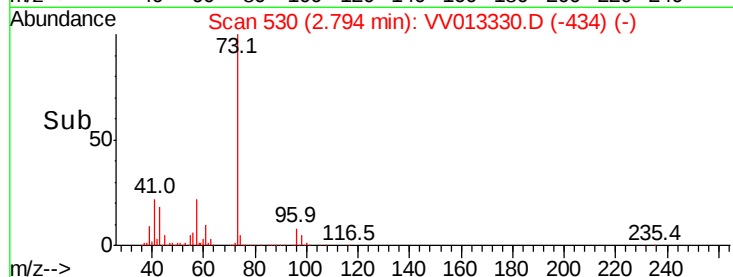
98 66.3 44.4 82.4



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: 1.667 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.01 min

Lab File: VV013330.D

Acq: 24 Oct 2019 22:08

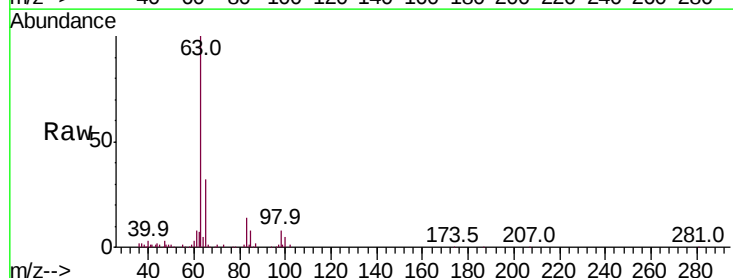
Tgt Ion: 63 Resp: 106344

Ion Ratio Lower Upper

63 100

65 32.1 23.0 42.8

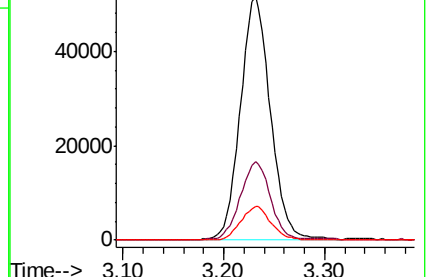
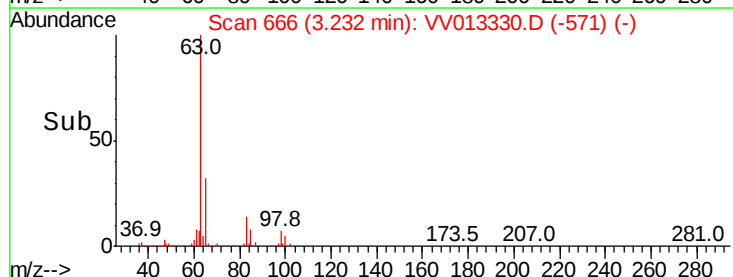
83 13.8 10.2 19.0

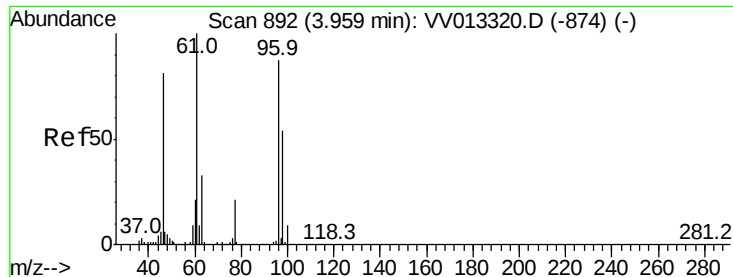


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0





#22

cis-1,2-Dichloroethene

Concen: 10.718 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV013330.D

Acq: 24 Oct 2019 22:08

Instrument :

MSVOA_V

ClientSampleId :

H0G12

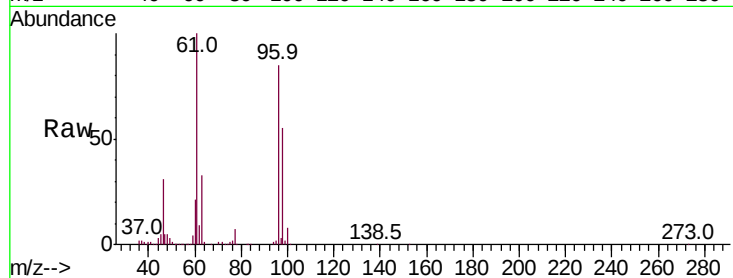
Tot Ion: 96 Resp: 450299

Ion Ratio Lower Upper

96 100

61 118.2 77.3 143.7

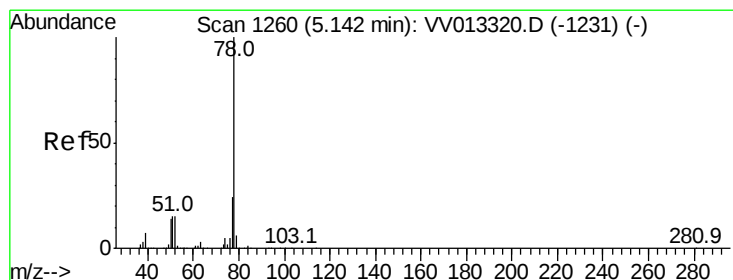
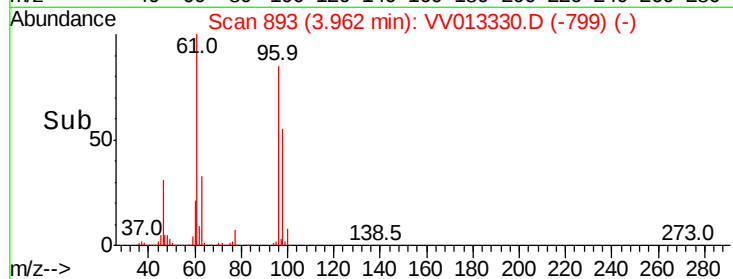
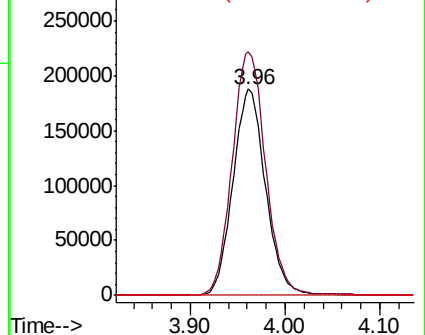
68 0.0 0.1 0.1#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0



#33

Benzene

Concen: 0.319 ug/L

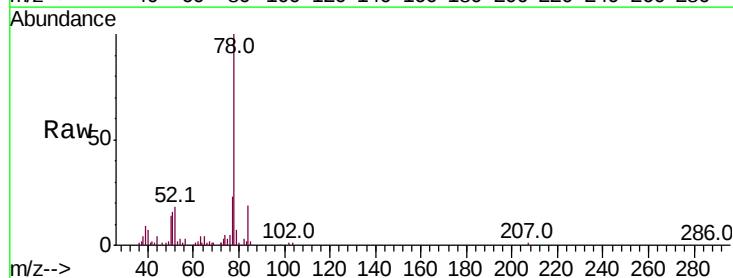
RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

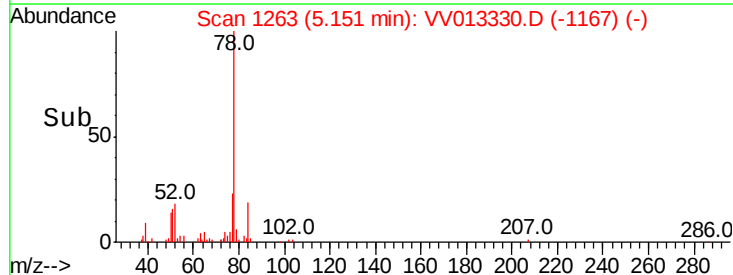
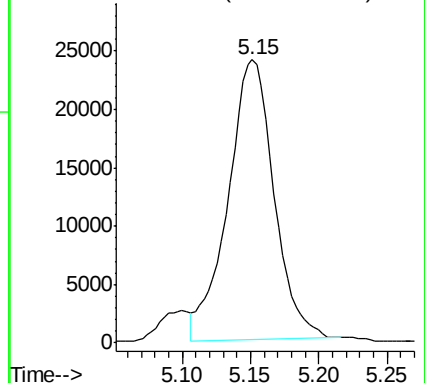
Lab File: VV013330.D

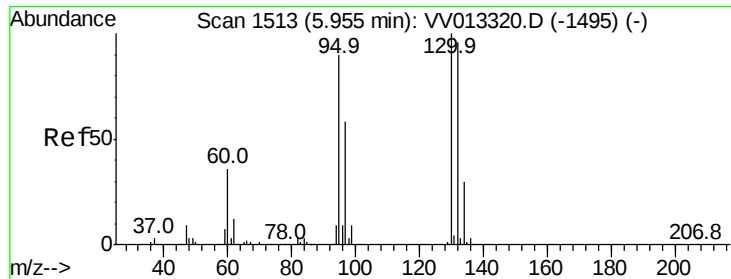
Acq: 24 Oct 2019 22:08

Tgt Ion: 78 Resp: 56280



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 1.452 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV013330.D

Acq: 24 Oct 2019 22:08

Instrument :

MSVOA_V

ClientSampleId :

H0G12

Tot Ion: 95 Resp: 68716

Ion Ratio Lower Upper

95 100

97 66.9 45.2 84.0

132 110.6 70.6 131.2

130 115.5 75.5 140.3

