

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102519\
 Data File : VV013328.D
 Acq On : 24 Oct 2019 21:21
 Operator : SY/MD
 Sample : K5462-13
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G10

Quant Time: Oct 25 05:30:37 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	435307	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	468176	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	244891	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	157184	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.58	69	130356	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.13	63	191847	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	3.94	46	383111	62.16	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.32%
24) Chloroform-d	4.40	84	330278	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.08	65	161175	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.10	84	675734	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.12	67	210025	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.36	98	566400	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	7.66	79	60801	3.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.40%
46) 2-Hexanone-d5	8.13	63	194822	31.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	63.34%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	143566	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	232027	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

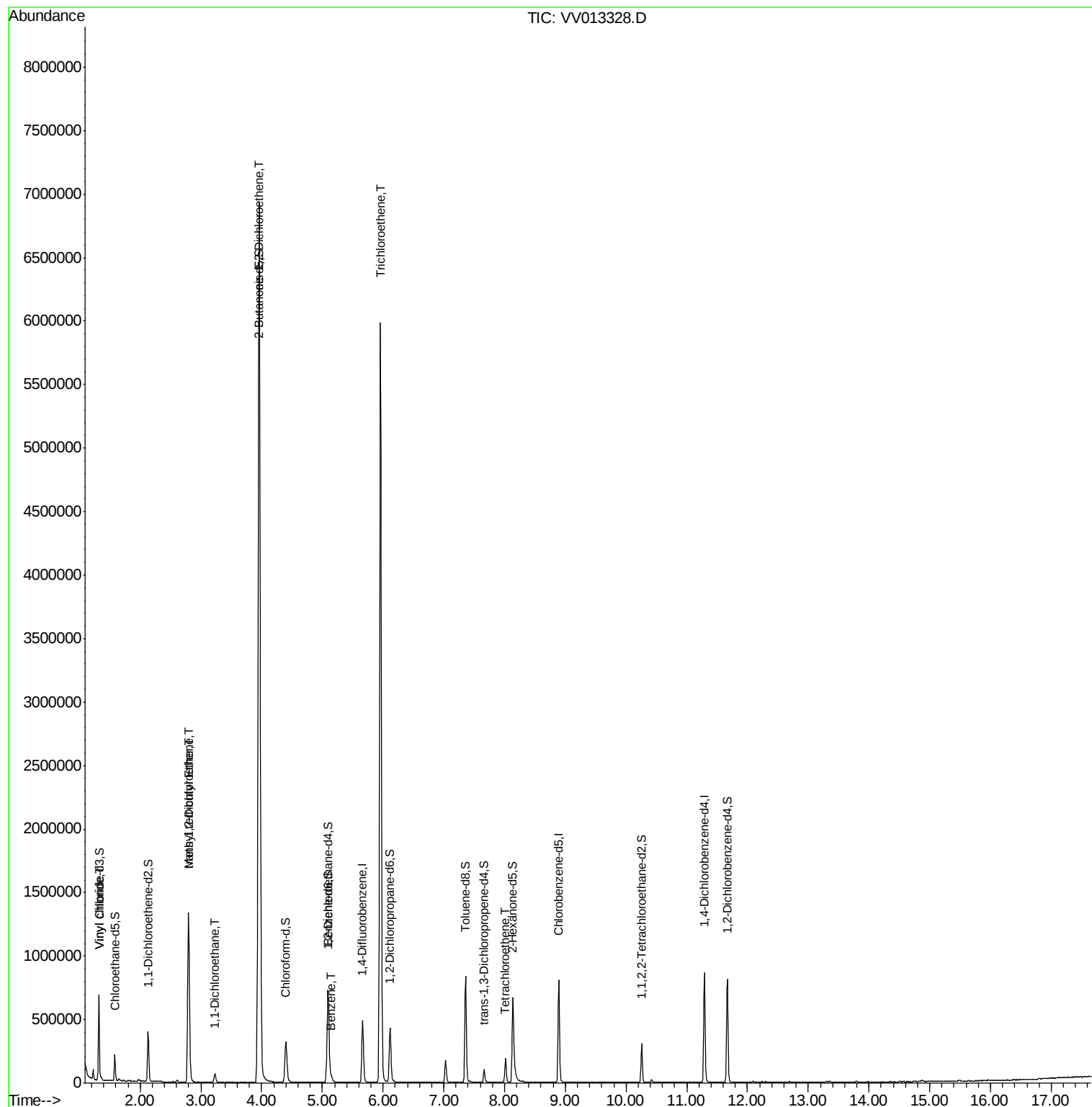
					Ovalue
5) Vinyl chloride	1.32	62	260514	6.201	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	682626	8.612	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	302780	7.504	ug/L 93
19) 1,1-Dichloroethane	3.23	63	69594	1.061	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	4006994	92.788	ug/L # 91
33) Benzene	5.15	78	44154	0.247	ug/L 100
34) Trichloroethene	5.96	95	2016538	42.038	ug/L 96
47) Tetrachloroethene	8.02	164	46515	1.068	ug/L 98

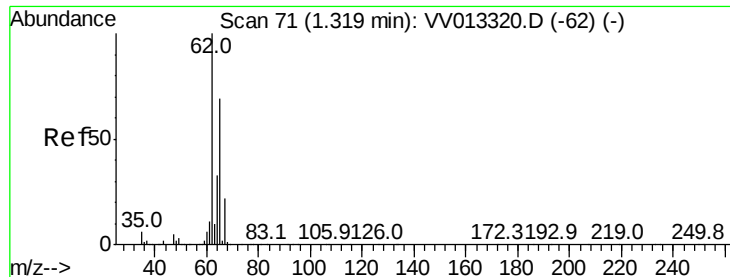
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 25 04:42:43 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 6.201 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013328.D

Acq: 24 Oct 2019 21:21

Instrument :

MSVOA_V

ClientSampleId :

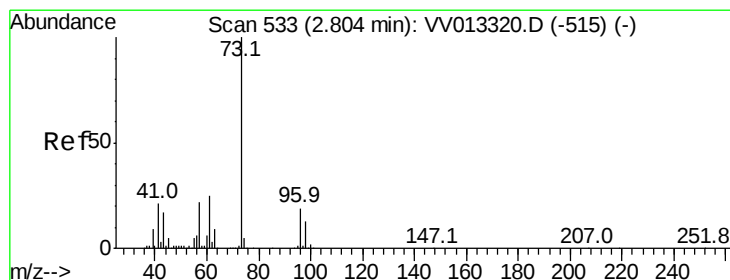
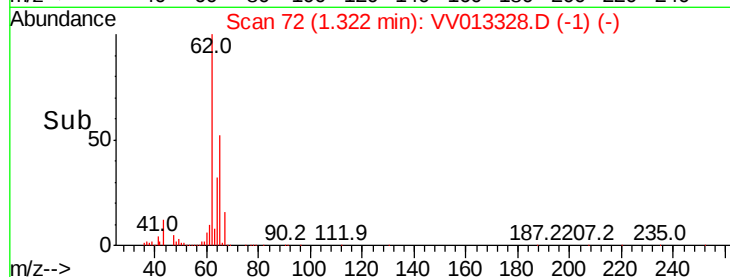
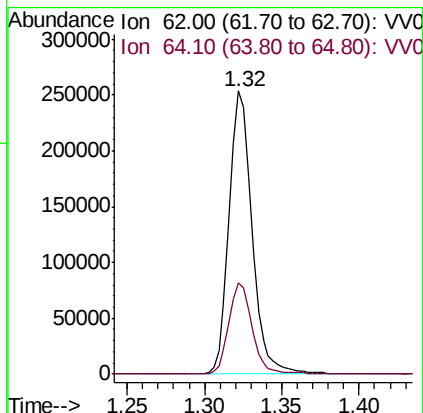
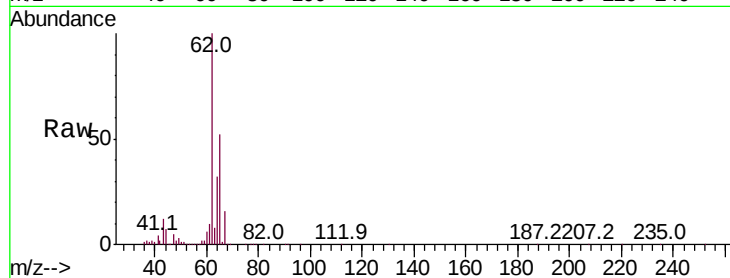
H0G10

Tot Ion: 62 Resp: 260514

Ion Ratio Lower Upper

62 100

64 32.2 22.9 42.5



#17

Methyl tert-butyl Ether

Concen: 8.612 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV013328.D

Acq: 24 Oct 2019 21:21

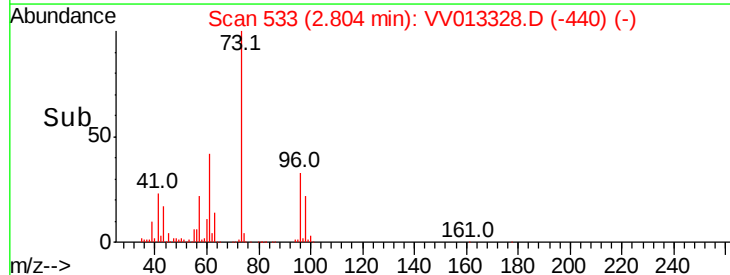
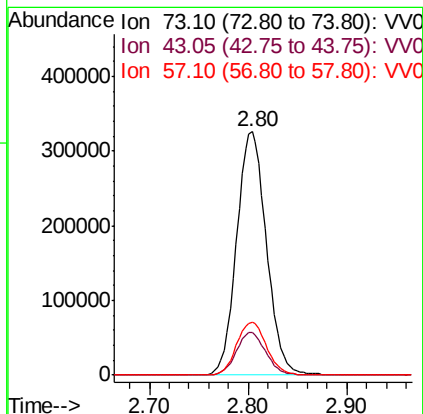
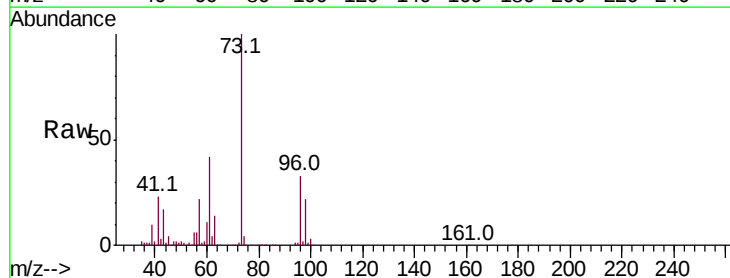
Tgt Ion: 73 Resp: 682626

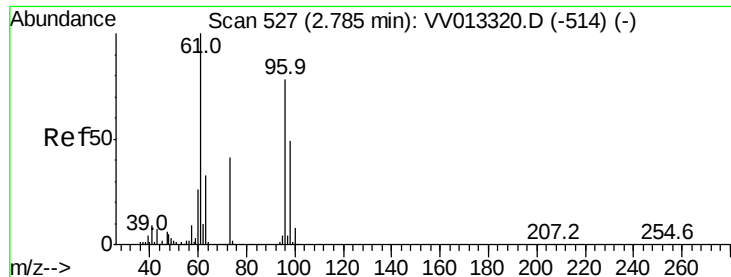
Ion Ratio Lower Upper

73 100

43 17.5 13.1 19.7

57 22.0 16.4 24.6





#18

trans-1,2-Dichloroethene

Concen: 7.504 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.01 min

Lab File: VV013328.D

Acq: 24 Oct 2019 21:21

Instrument :

MSVOA_V

ClientSampleId :

H0G10

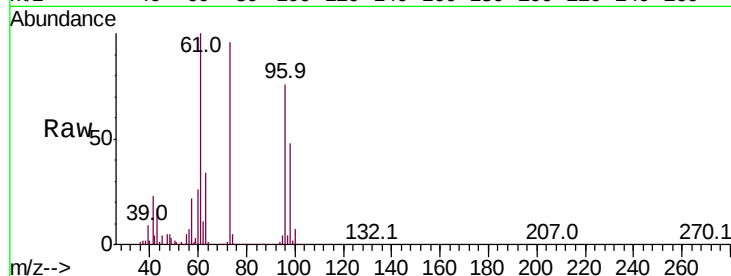
Tot Ion: 96 Resp: 302780

Ion Ratio Lower Upper

96 100

61 132.3 84.4 156.8

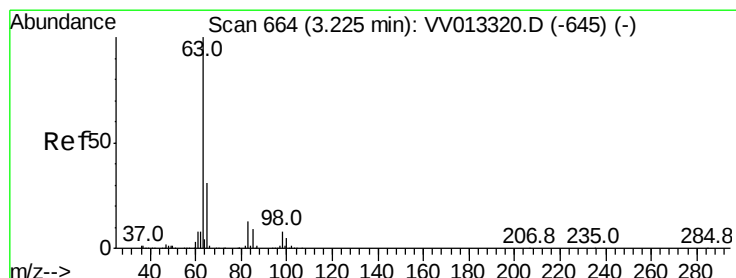
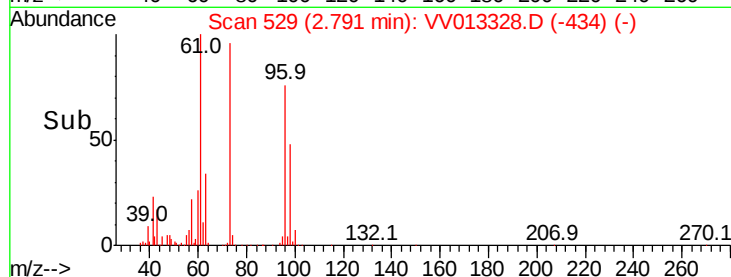
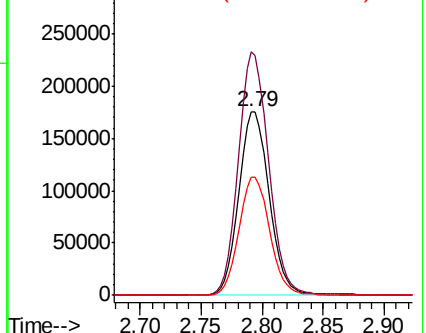
98 64.1 44.4 82.4



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: 1.061 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013328.D

Acq: 24 Oct 2019 21:21

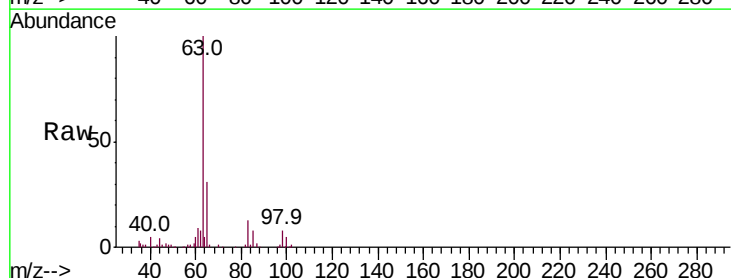
Tgt Ion: 63 Resp: 69594

Ion Ratio Lower Upper

63 100

65 31.3 23.0 42.8

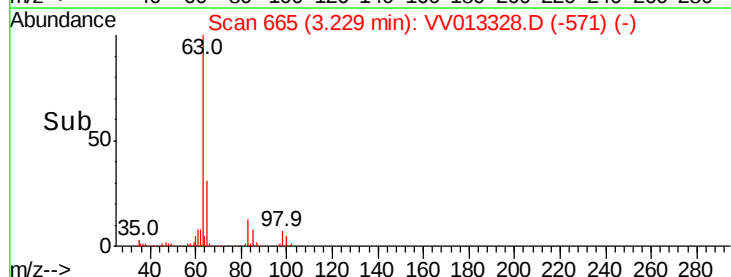
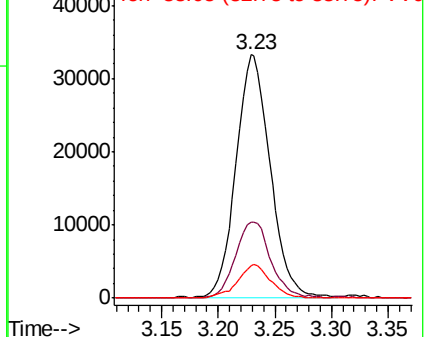
83 13.3 10.2 19.0

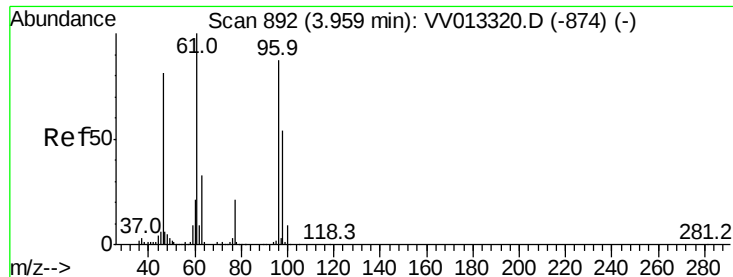


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



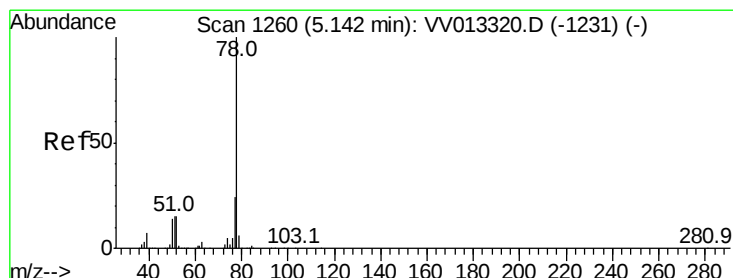
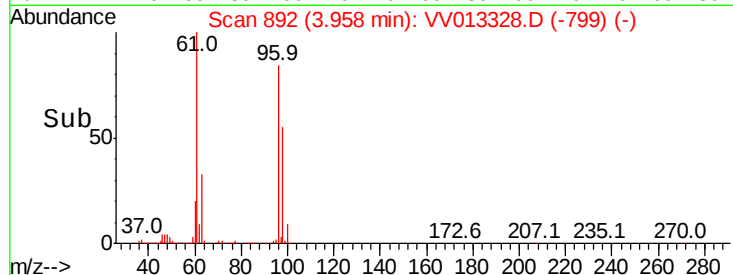
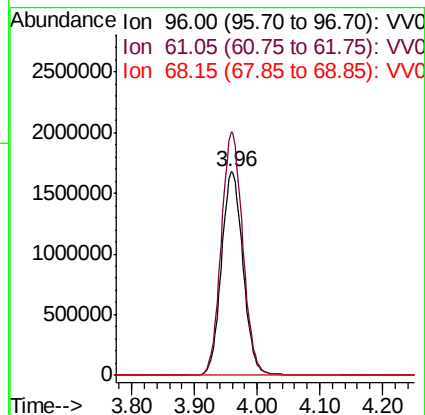
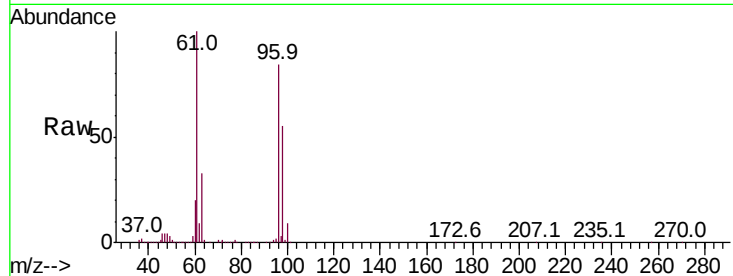


#22

cis-1,2-Dichloroethene
 Concen: 92.788 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV013328.D
 Acq: 24 Oct 2019 21:21

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G10

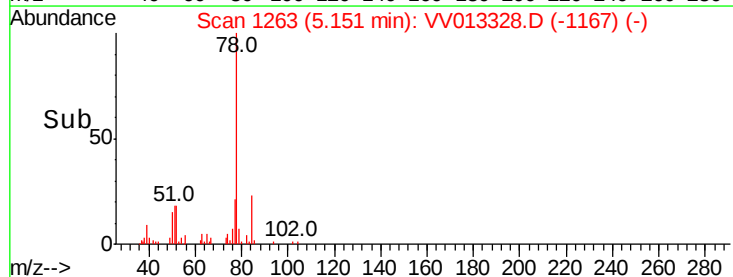
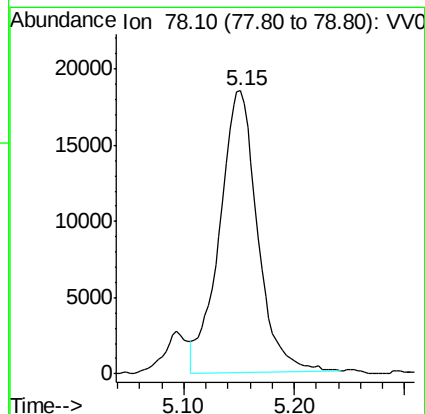
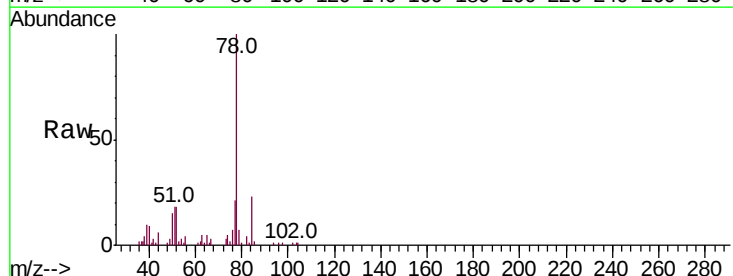
Tot Ion: 96 Resp: 4006994
 Ion Ratio Lower Upper
 96 100
 61 119.6 77.3 143.7
 68 0.0 0.1 0.1#

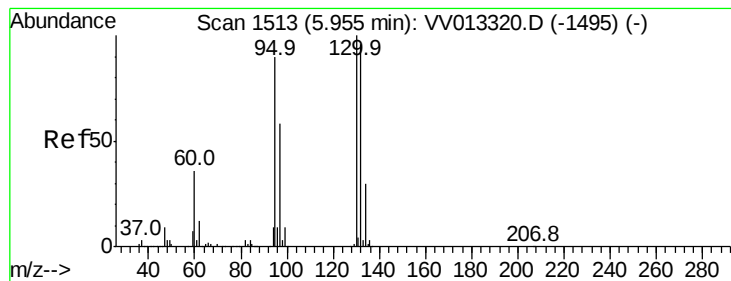


#33

Benzene
 Concen: 0.247 ug/L
 RT: 5.15 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VV013328.D
 Acq: 24 Oct 2019 21:21

Tgt Ion: 78 Resp: 44154





#34

Trichloroethene

Concen: 42.038 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013328.D

Acq: 24 Oct 2019 21:21

Instrument :

MSVOA_V

ClientSampleId :

H0G10

Tot Ion: 95 Resp: 2016538

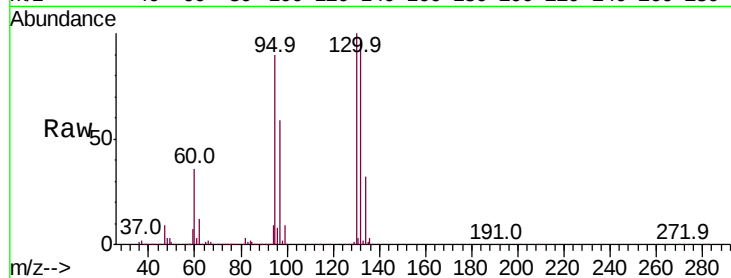
Ion Ratio Lower Upper

95 100

97 65.0 45.2 84.0

132 107.5 70.6 131.2

130 110.9 75.5 140.3

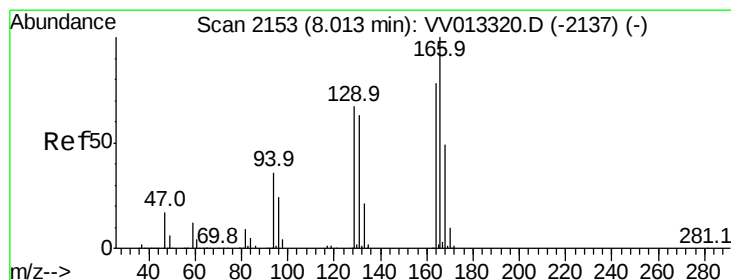
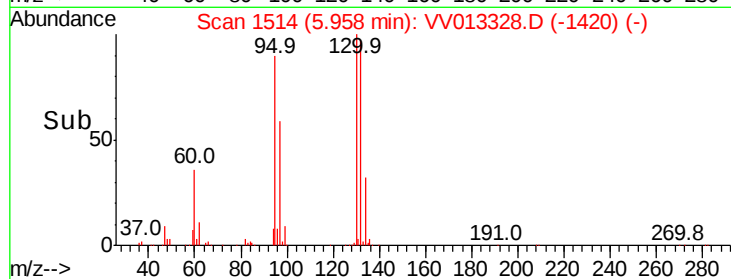
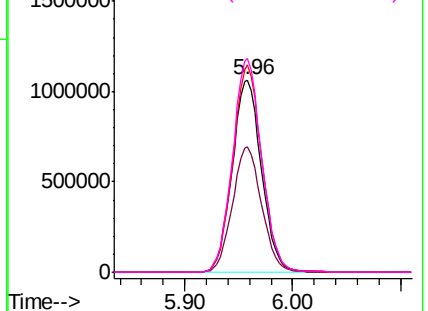


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 1.068 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013328.D

Acq: 24 Oct 2019 21:21

Tgt Ion: 164 Resp: 46515

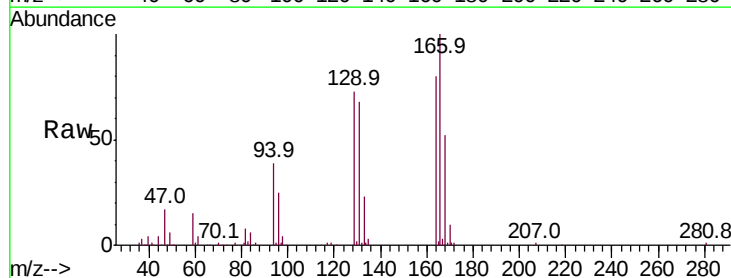
Ion Ratio Lower Upper

164 100

129 90.4 61.0 113.2

131 84.0 57.5 106.9

166 124.4 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

