

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102519\
 Data File : VV013350.D
 Acq On : 25 Oct 2019 16:56
 Operator : SY/MD
 Sample : K5462-15
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G12

Quant Time: Oct 26 01:45:47 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	387743	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	415431	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	225344	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	186781	6.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	130.60%#
7) Chloroethane-d5	1.58	69	142298	6.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.60%
11) 1,1-Dichloroethene-d2	2.13	63	223760	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.00%
20) 2-Butanone-d5	3.94	46	373843	68.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	136.20%#
24) Chloroform-d	4.40	84	342768	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.08	65	167266	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
32) Benzene-d6	5.10	84	757057	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.60%
36) 1,2-Dichloropropane-d6	6.12	67	221576	5.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.60%
41) Toluene-d8	7.36	98	635796	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
43) trans-1,3-Dichloropropene-	7.66	79	74071	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.13	63	230835	42.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.58%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	144433	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	253730	5.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.80%

Target Compounds

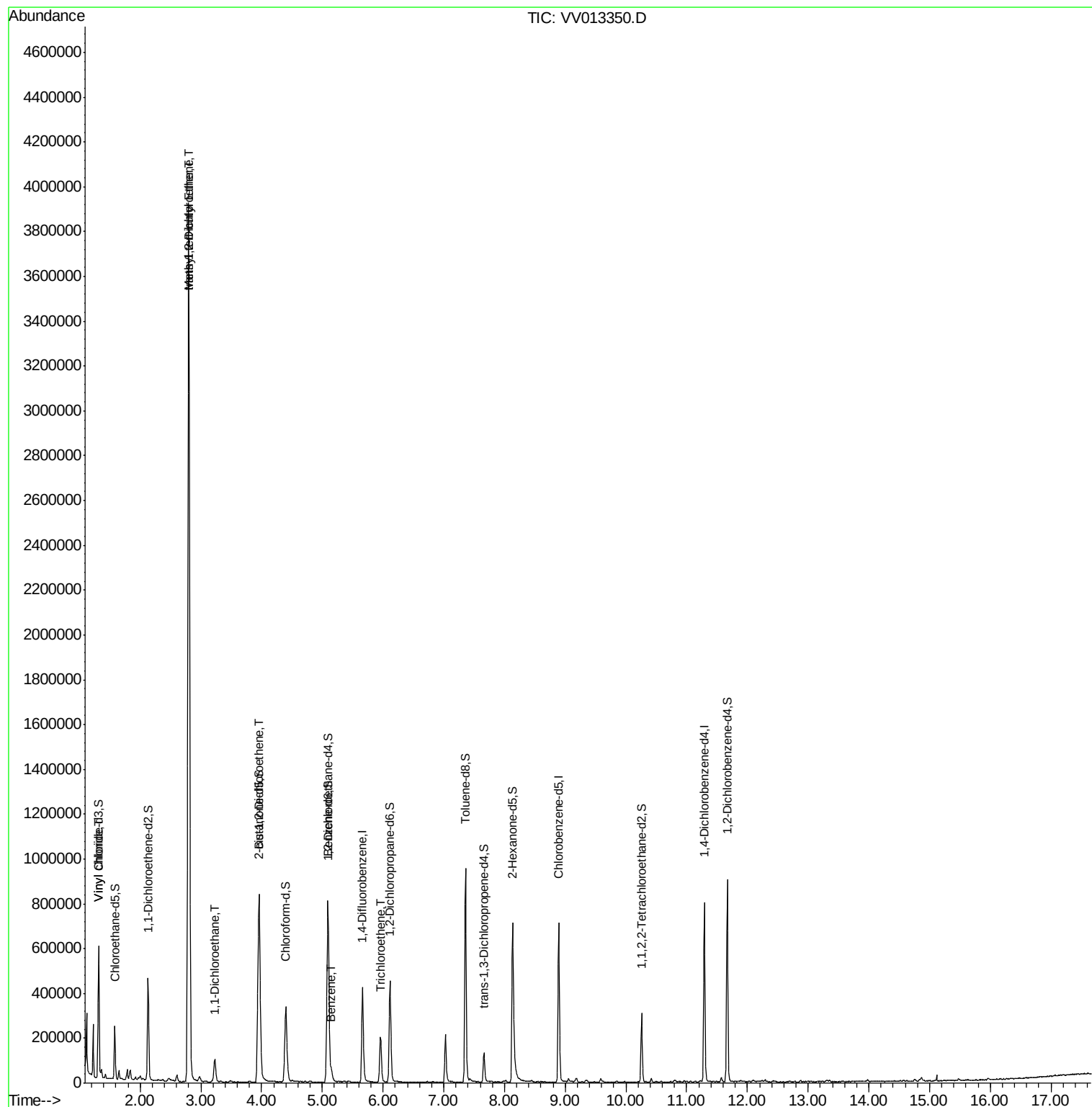
					Ovalue
5) Vinyl chloride	1.32	62	73410	1.962	ug/L 92
17) Methyl tert-butyl Ether	2.80	73	3641193	51.573	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	194858	5.422	ug/L 92
19) 1,1-Dichloroethane	3.23	63	101285	1.734	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	417146	10.845	ug/L # 90
33) Benzene	5.15	78	51468	0.324	ug/L 100
34) Trichloroethene	5.96	95	66618	1.565	ug/L 98

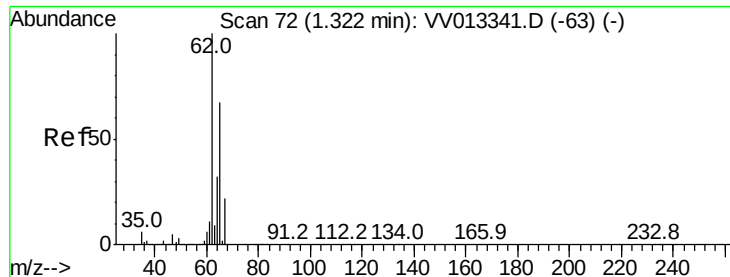
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.962 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

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Acq: 25 Oct 2019 16:56

Instrument :

MSVOA_V

ClientSampleId :

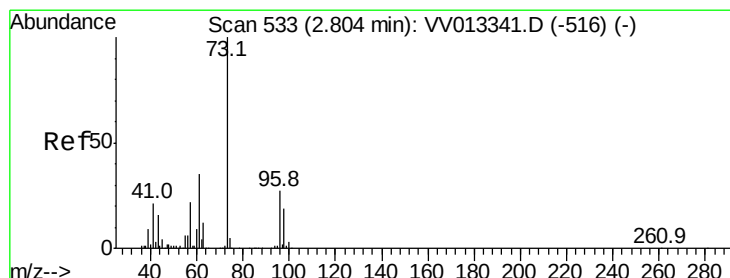
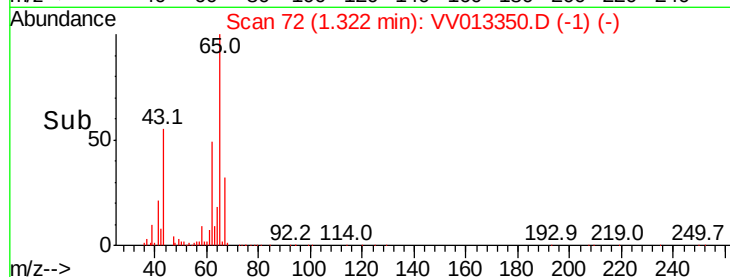
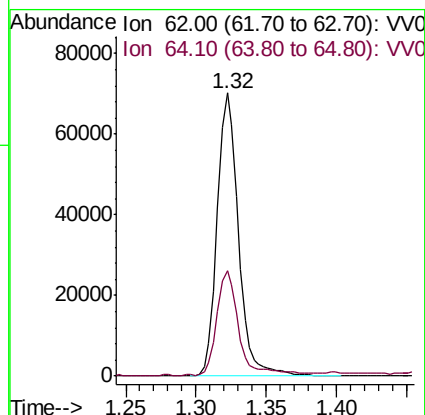
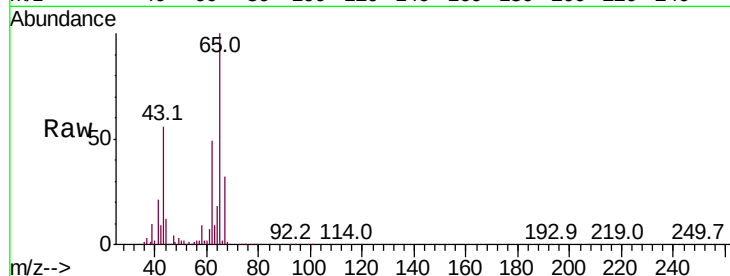
H0G12

Tot Ion: 62 Resp: 73410

Ion Ratio Lower Upper

62 100

64 37.5 22.9 42.5



#17

Methyl tert-butyl Ether

Concen: 51.573 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV013350.D

Acq: 25 Oct 2019 16:56

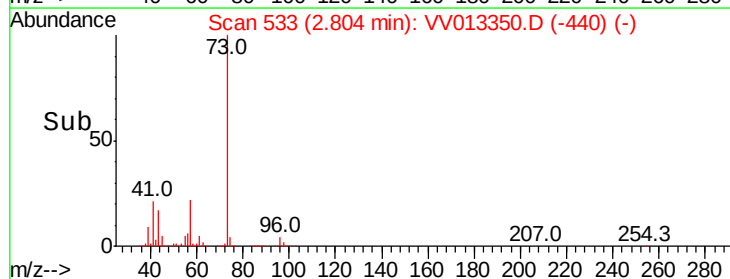
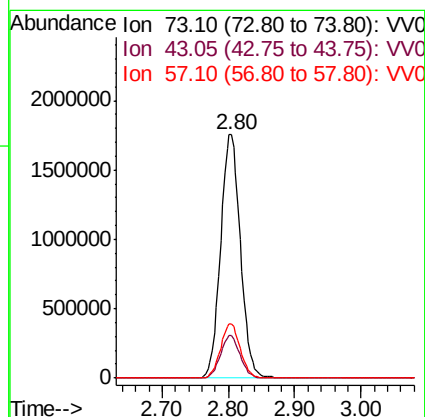
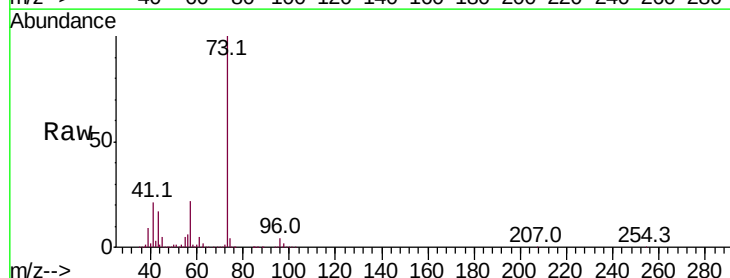
Tgt Ion: 73 Resp: 3641193

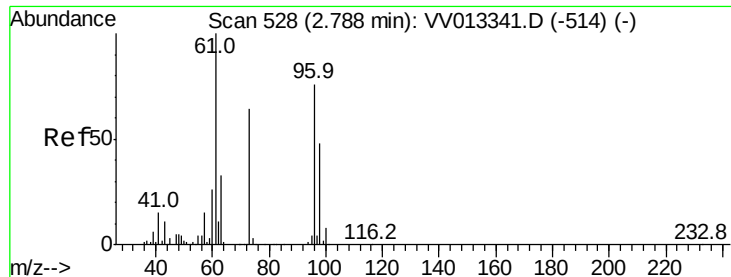
Ion Ratio Lower Upper

73 100

43 17.2 13.1 19.7

57 22.1 16.4 24.6





#18

trans-1,2-Dichloroethene

Concen: 5.422 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013350.D

Acq: 25 Oct 2019 16:56

Instrument :

MSVOA_V

ClientSampleId :

H0G12

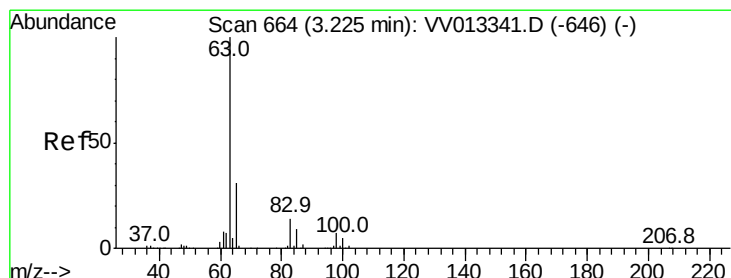
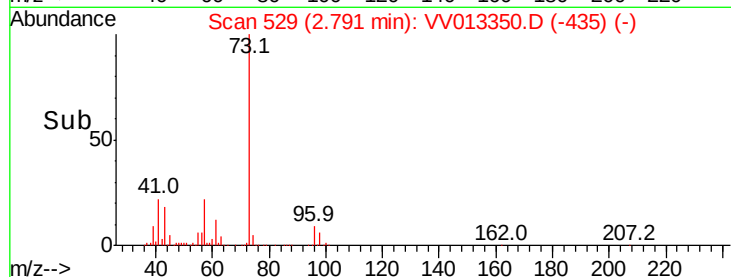
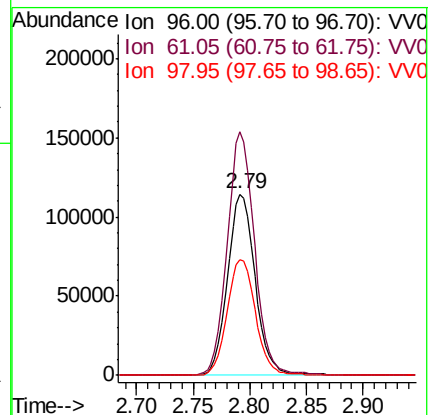
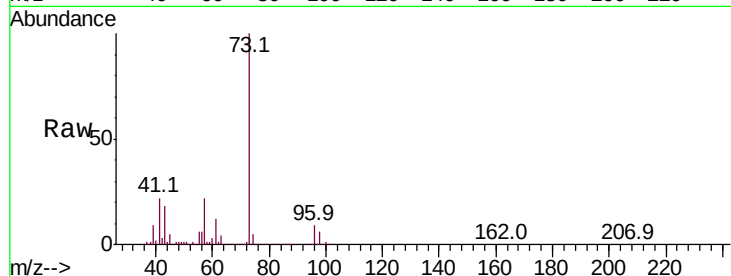
Tot Ion: 96 Resp: 194858

Ion Ratio Lower Upper

96 100

61 134.3 84.4 156.8

98 64.2 44.4 82.4



#19

1,1-Dichloroethane

Concen: 1.734 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013350.D

Acq: 25 Oct 2019 16:56

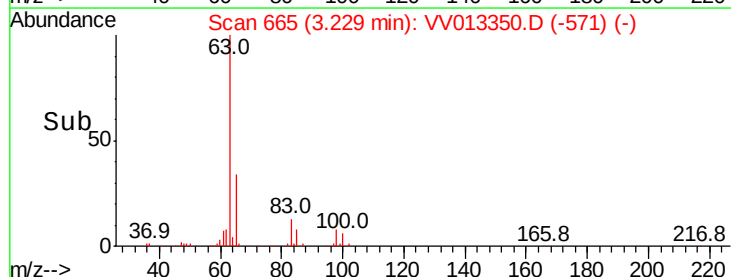
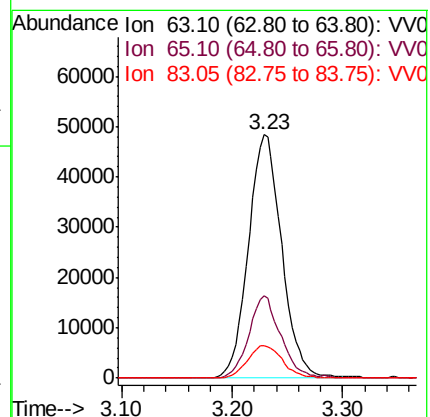
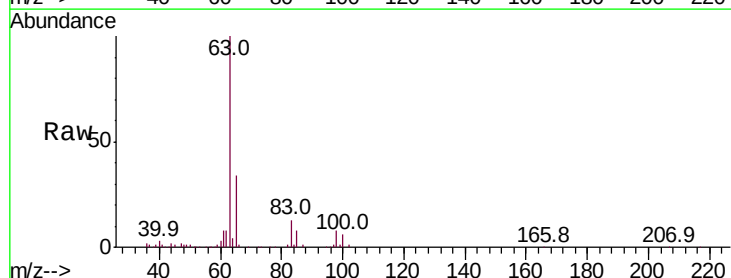
Tgt Ion: 63 Resp: 101285

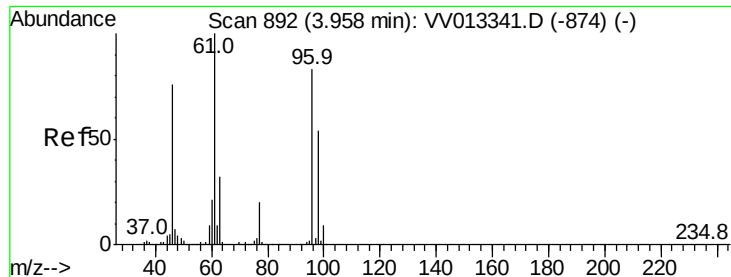
Ion Ratio Lower Upper

63 100

65 34.0 23.0 42.8

83 13.3 10.2 19.0



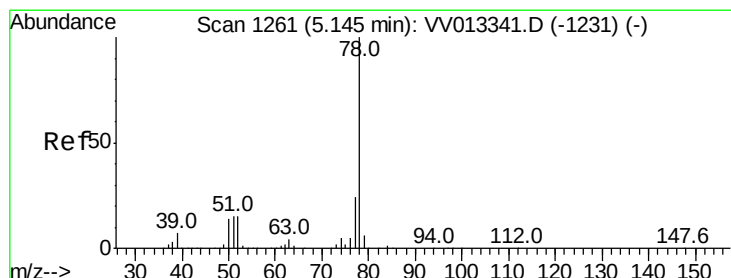
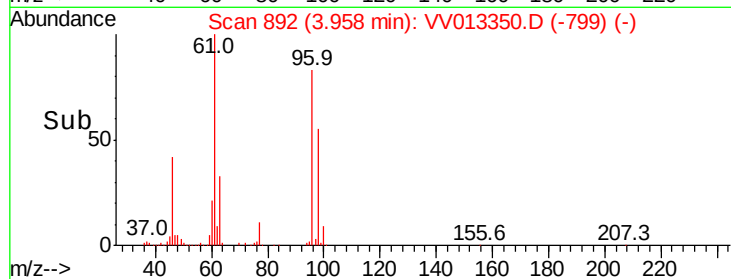
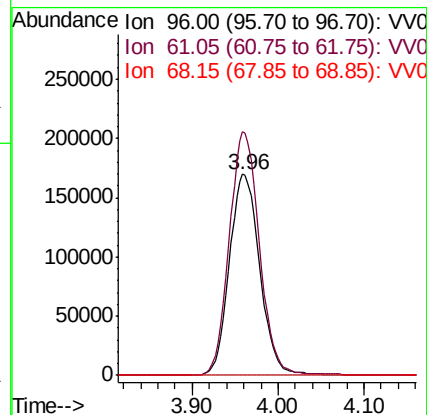
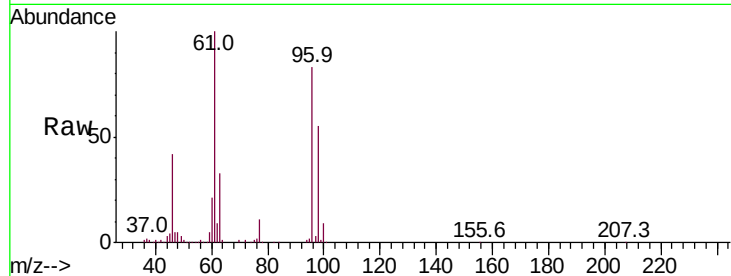


#22

cis-1,2-Dichloroethene
Concen: 10.845 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013350.D
Acq: 25 Oct 2019 16:56

Instrument :
MSVOA_V
ClientSampled :
H0G12

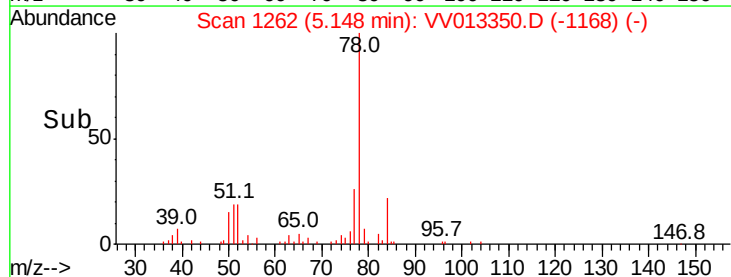
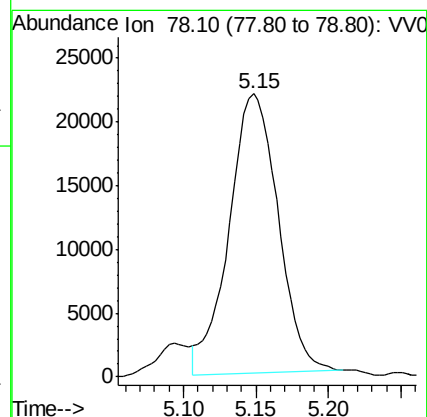
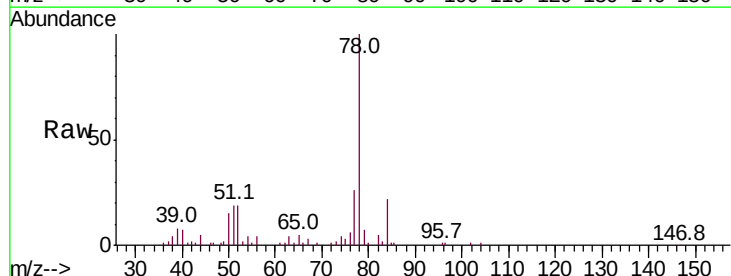
Tot Ion: 96 Resp: 417146
Ion Ratio Lower Upper
96 100
61 121.2 77.3 143.7
68 0.0 0.1 0.1#

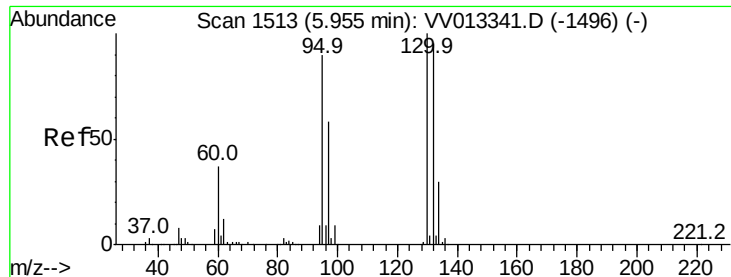


#33

Benzene
Concen: 0.324 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV013350.D
Acq: 25 Oct 2019 16:56

Tgt Ion: 78 Resp: 51468





#34

Trichloroethene

Concen: 1.565 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013350.D

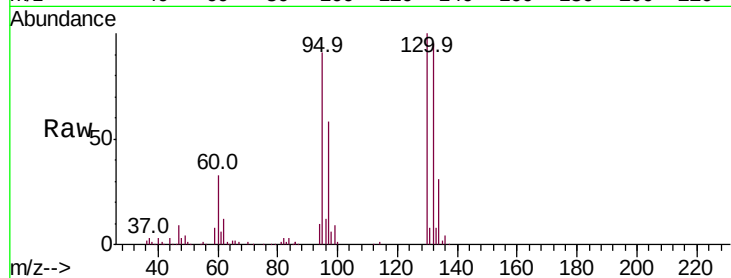
Acq: 25 Oct 2019 16:56

Instrument :

MSVOA_V

ClientSampleId :

H0G12



Tot Ion: 95 Resp: 66618

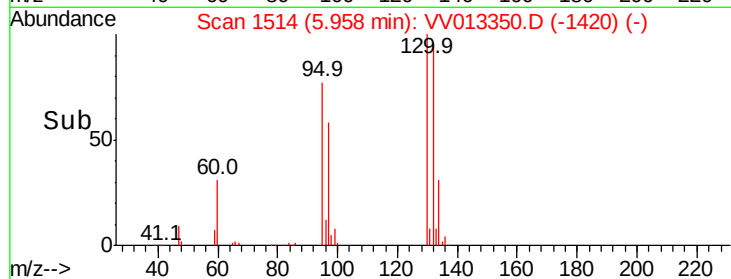
Ion Ratio Lower Upper

95 100

97 64.3 45.2 84.0

132 104.3 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): V

Ion 129.95 (129.65 to 130.65): V

