

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112119\
 Data File : VV013712.D
 Acq On : 21 Nov 2019 14:43
 Operator : SY/MD
 Sample : K5941-05 10X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 B0AB5

Quant Time: Nov 22 04:49:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 22 03:55:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	345254	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	340958	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	155795	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	132654	6.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	124.40%
7) Chloroethane-d5	1.58	69	123641	6.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	129.80%
11) 1,1-Dichloroethene-d2	2.13	63	200987	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.20%
20) 2-Butanone-d5	3.92	46	296500	60.12	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.24%
24) Chloroform-d	4.40	84	273499	5.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.00%
26) 1,2-Dichloroethane-d4	5.08	65	133548	5.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.80%
32) Benzene-d6	5.10	84	544485	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.60%
36) 1,2-Dichloropropane-d6	6.11	67	169444	6.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	120.60%
41) Toluene-d8	7.36	98	477694	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
43) trans-1,3-Dichloropropene-	7.66	79	54135	5.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.20%
46) 2-Hexanone-d5	8.13	63	208424	50.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.92%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	112769	5.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	191068	6.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	127.40%#

Target Compounds

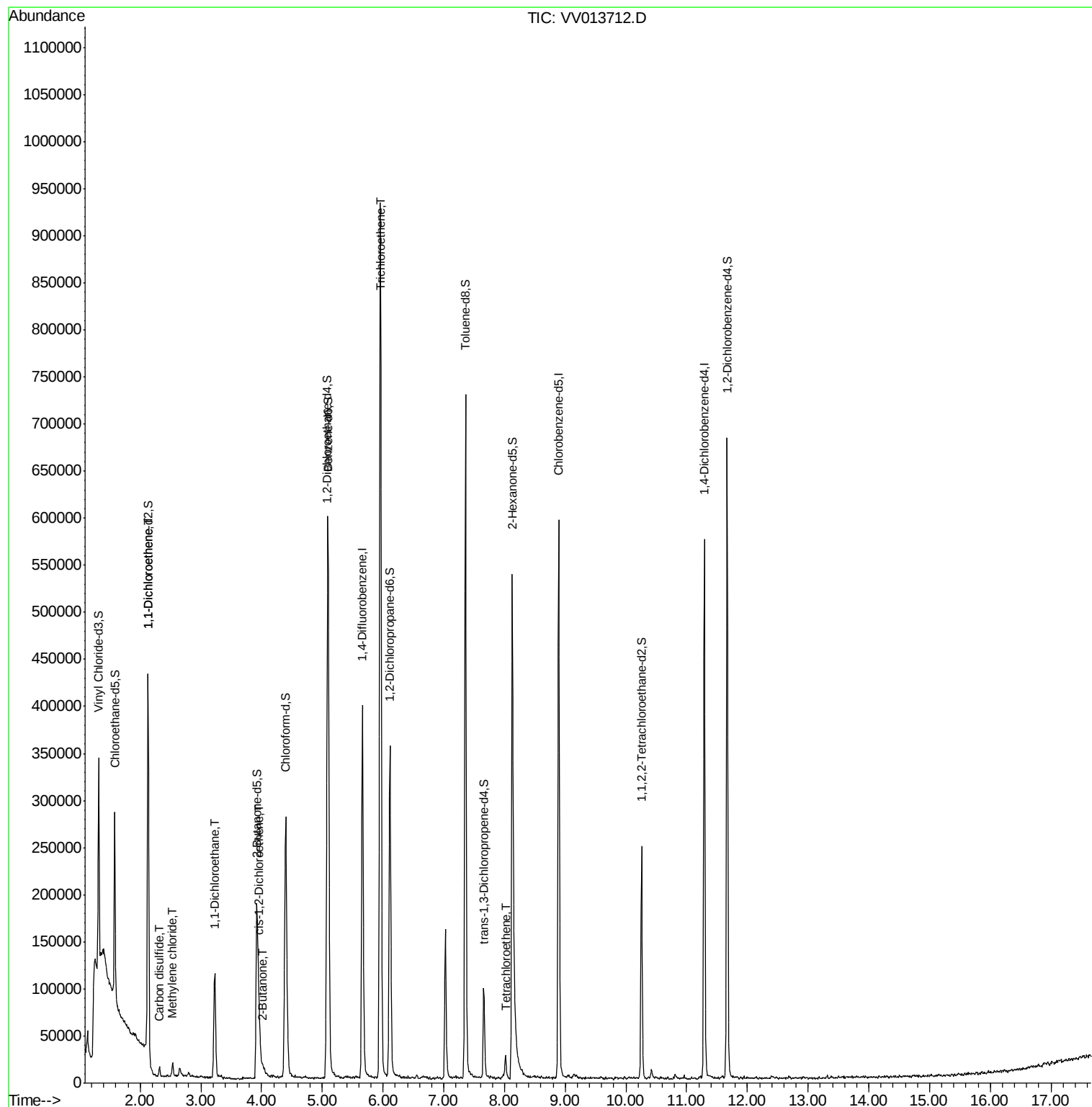
					Ovalue
12) 1,1-Dichloroethene	2.14	96	34700	1.682 ug/L #	1
14) Carbon disulfide	2.32	76	13579	0.191 ug/L	97
16) Methylene chloride	2.53	84	5408	0.189 ug/L	98
19) 1,1-Dichloroethane	3.23	63	112016	2.466 ug/L	99
21) 2-Butanone	4.03	43	11223	2.151 ug/L	88
22) cis-1,2-Dichloroethene	3.96	96	16570	0.628 ug/L #	96
34) Trichloroethene	5.96	95	323164	11.699 ug/L	99
47) Tetrachloroethene	8.02	164	6223	0.243 ug/L	94

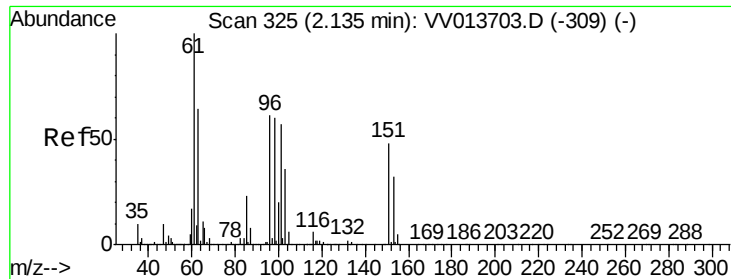
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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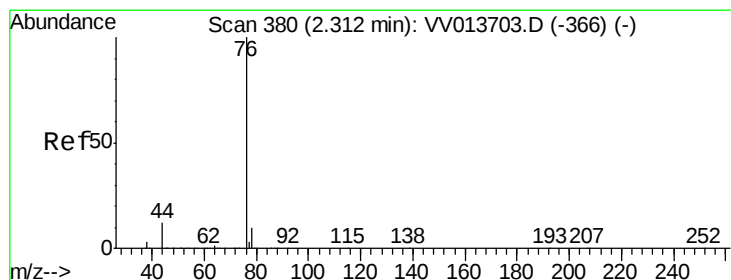
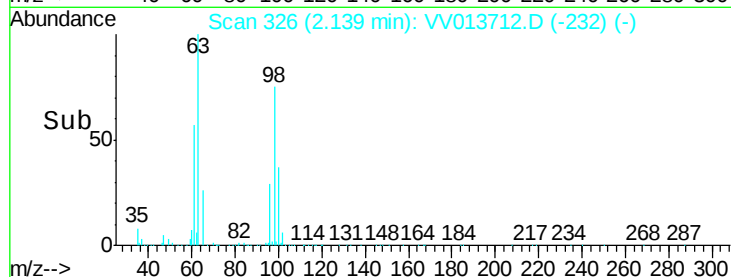
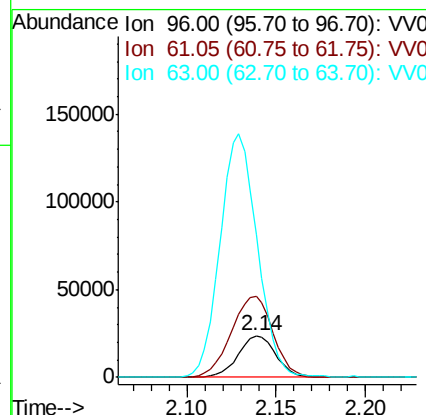
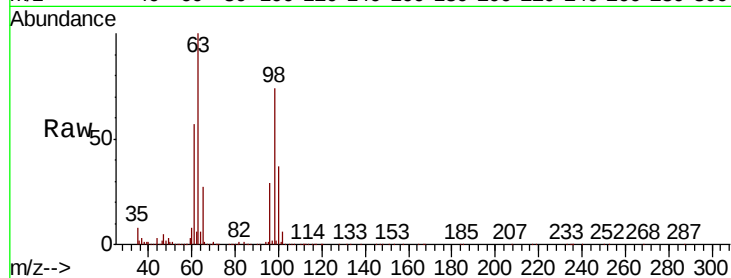




#12
 1,1-Dichloroethene
 Concen: 1.682 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VV013712.D
 Acq: 21 Nov 2019 14:43

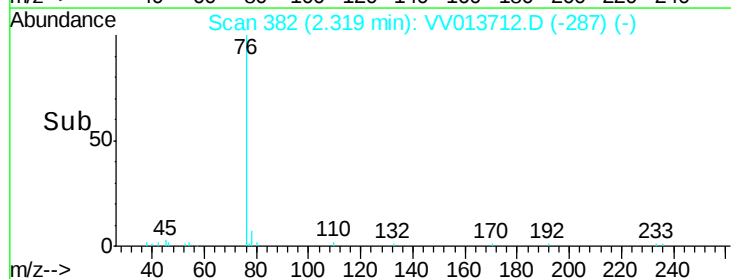
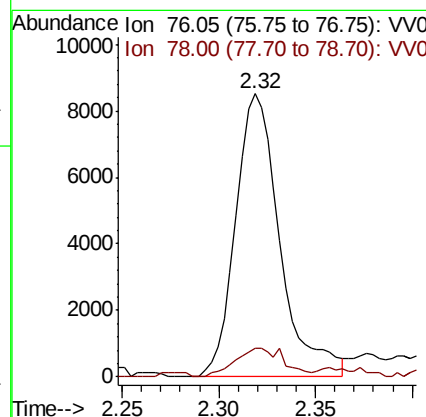
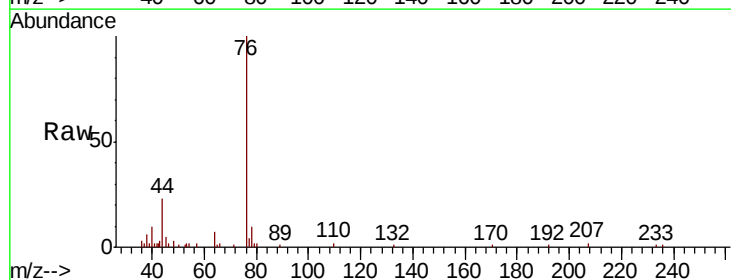
Instrument :
 MSVOA_V
 ClientSampleId :
 B0AB5

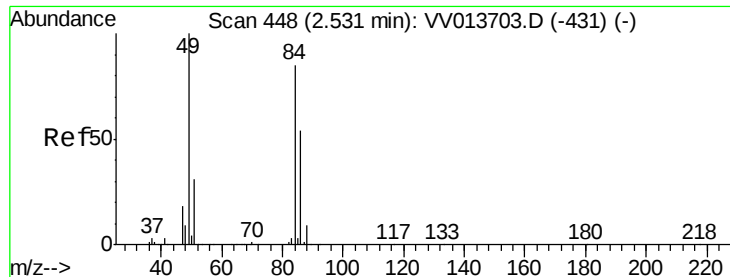
Tot Ion	Ratio	Lower	Upper
96	100		
61	196.3	112.5	208.9
63	344.0	76.9	142.7#



#14
 Carbon disulfide
 Concen: 0.191 ug/L
 RT: 2.32 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VV013712.D
 Acq: 21 Nov 2019 14:43

Tgt Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.4	11.2

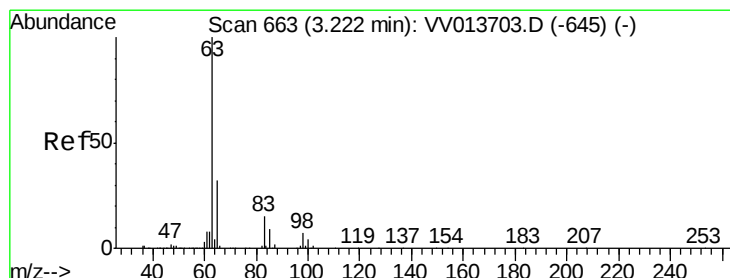
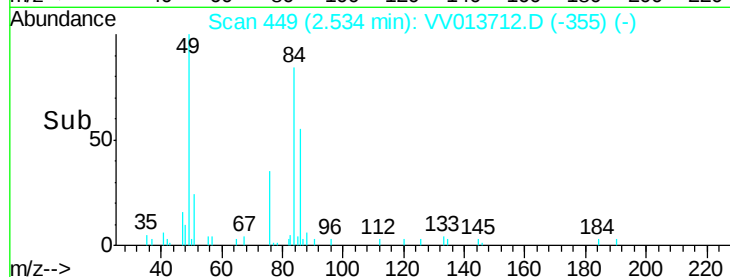
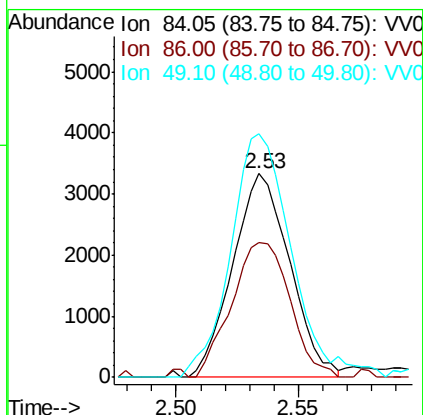
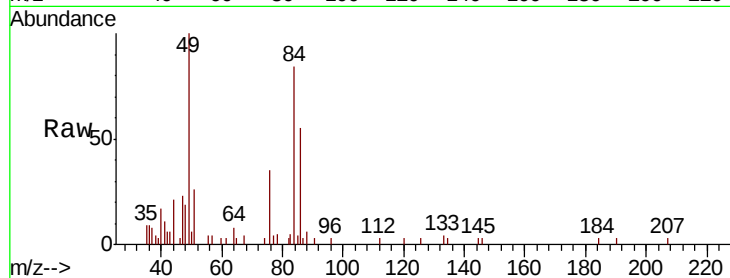




#16
Methvlene chloride
Concen: 0.189 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013712.D
Acq: 21 Nov 2019 14:43

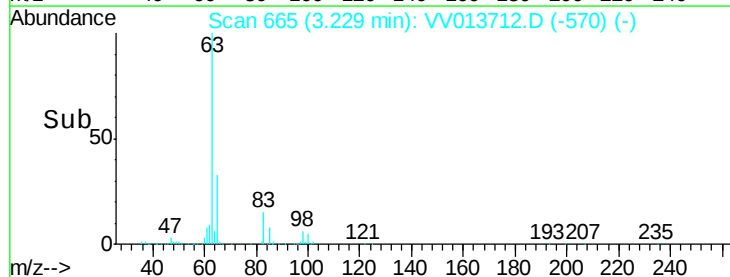
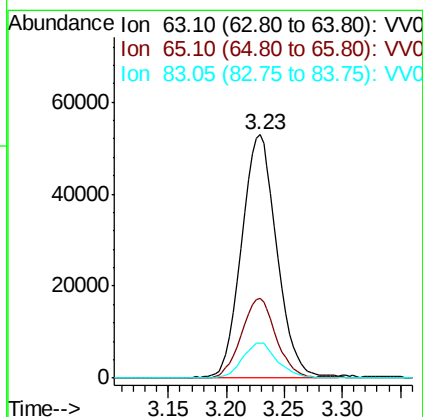
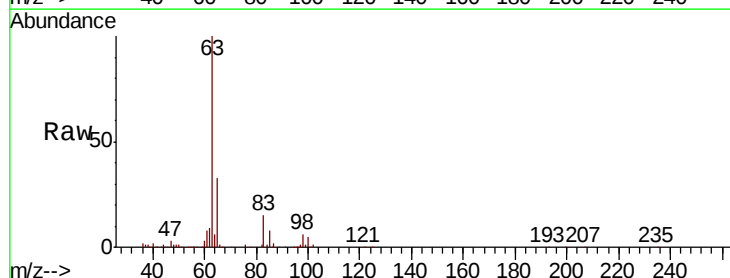
Instrument :
MSVOA_V
ClientSampleId :
B0AB5

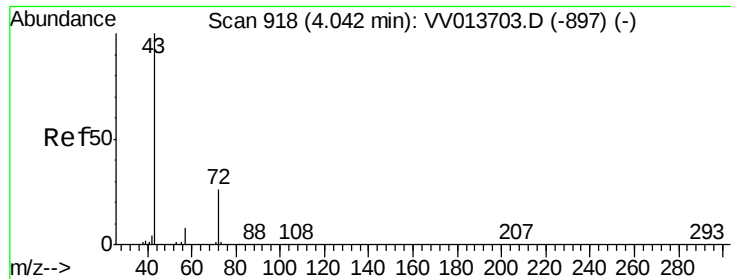
Tot Ion: 84 Resp: 5408
Ion Ratio Lower Upper
84 100
86 66.3 44.1 81.9
49 119.6 83.4 155.0



#19
1,1-Dichloroethane
Concen: 2.466 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.01 min
Lab File: VV013712.D
Acq: 21 Nov 2019 14:43

Tgt Ion: 63 Resp: 112016
Ion Ratio Lower Upper
63 100
65 32.8 22.5 41.7
83 14.5 9.7 17.9





#21

2-Butanone

Concen: 2.151 ug/L

RT: 4.03 min Scan# 914

Delta R.T. -0.01 min

Lab File: VV013712.D

Acq: 21 Nov 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

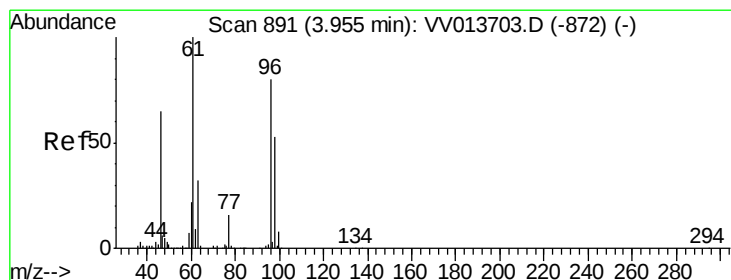
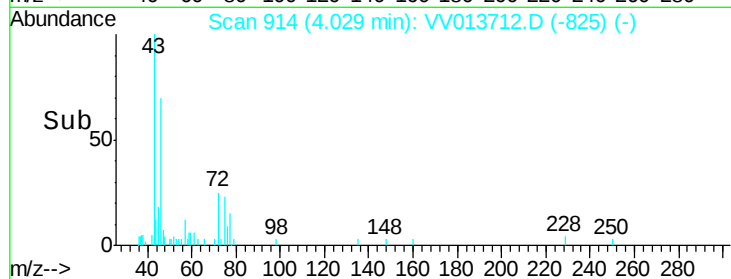
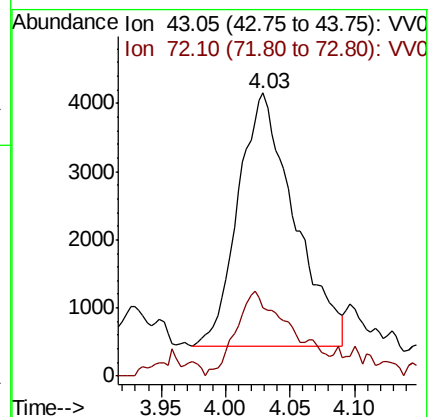
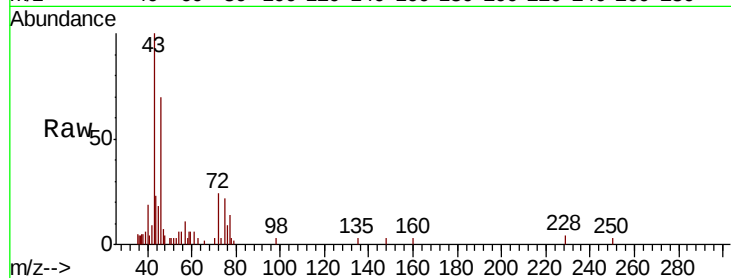
B0AB5

Tot Ion: 43 Resp: 11223

Ion Ratio Lower Upper

43 100

72 29.3 11.6 34.8



#22

cis-1,2-Dichloroethene

Concen: 0.628 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV013712.D

Acq: 21 Nov 2019 14:43

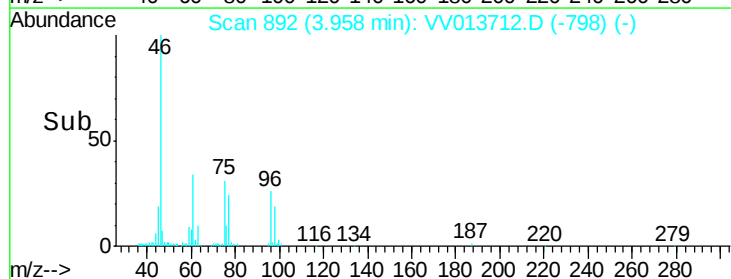
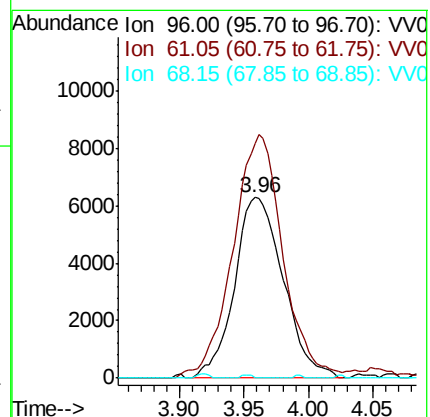
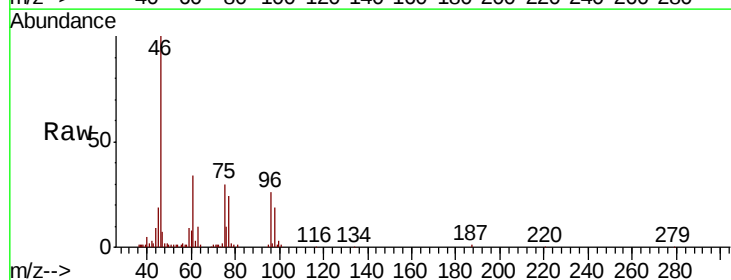
Tgt Ion: 96 Resp: 16570

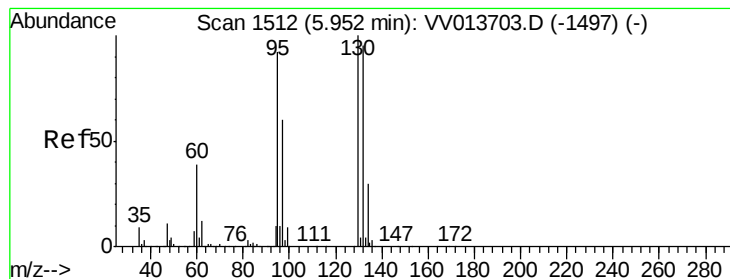
Ion Ratio Lower Upper

96 100

61 130.4 87.7 162.9

68 0.0 0.1 0.3#





#34

Trichloroethene

Concen: 11.699 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013712.D

Acq: 21 Nov 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

B0AB5

Tot Ion: 95 Resp: 323164

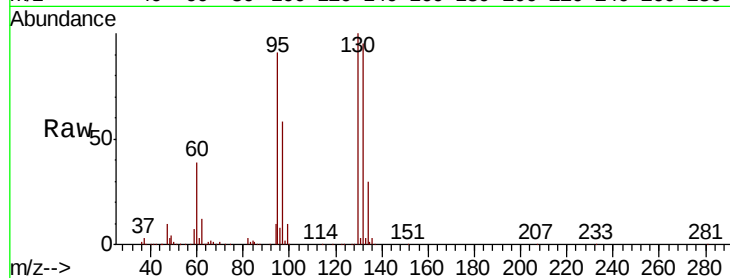
Ion Ratio Lower Upper

95 100

97 64.3 44.8 83.2

132 104.9 72.9 135.3

130 109.9 75.1 139.5

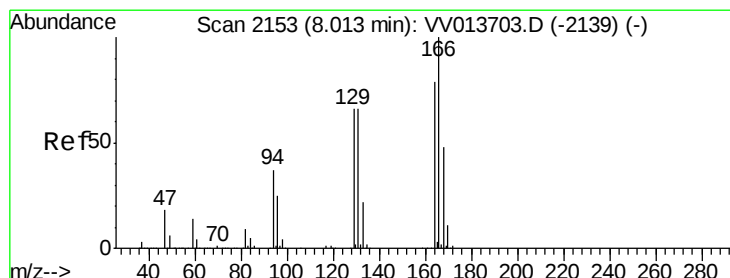
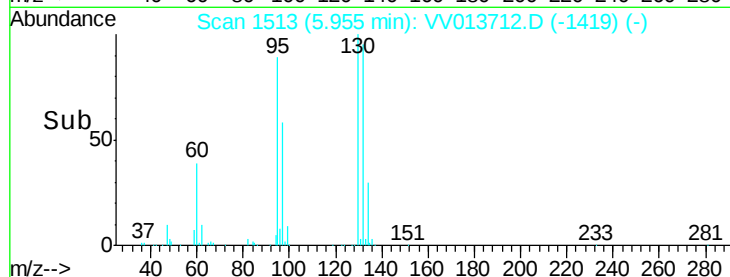
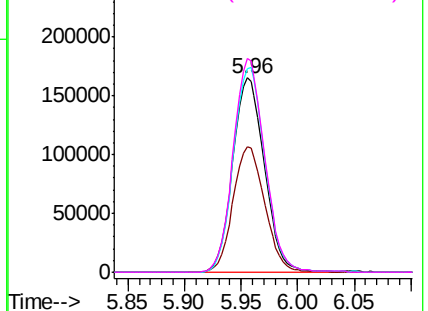


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.243 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.01 min

Lab File: VV013712.D

Acq: 21 Nov 2019 14:43

Tgt Ion:164 Resp: 6223

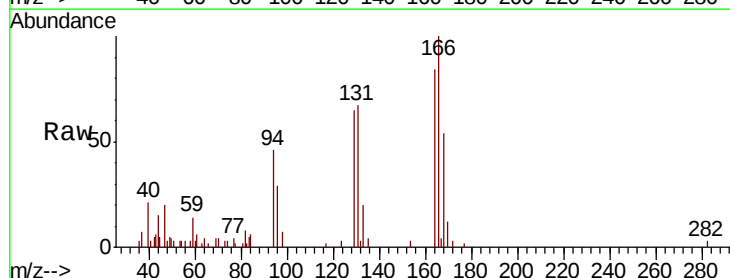
Ion Ratio Lower Upper

164 100

129 77.2 59.1 109.9

131 79.3 58.9 109.5

166 118.6 87.8 163.2



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

