

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072619\
 Data File : VV012051.D
 Acq On : 26 Jul 2019 14:18
 Operator : SY/MD
 Sample : K4025-02
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0JZ0

Quant Time: Jul 29 08:52:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 26 23:19:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	135898	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	130942	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	62220	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25396	3.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.00%
7) Chloroethane-d5	1.59	69	22914	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.40%
11) 1,1-Dichloroethene-d2	2.13	63	41251	2.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.60%#
20) 2-Butanone-d5	3.96	46	104842	50.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.56%
24) Chloroform-d	4.40	84	77816	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
26) 1,2-Dichloroethane-d4	5.08	65	44585	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.10	84	152371	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
36) 1,2-Dichloropropane-d6	6.12	67	47101	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.36	98	132726	3.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.40%
43) trans-1,3-Dichloropropene-	7.67	79	16856	3.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.40%
46) 2-Hexanone-d5	8.14	63	81221	47.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	34816	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	56344	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

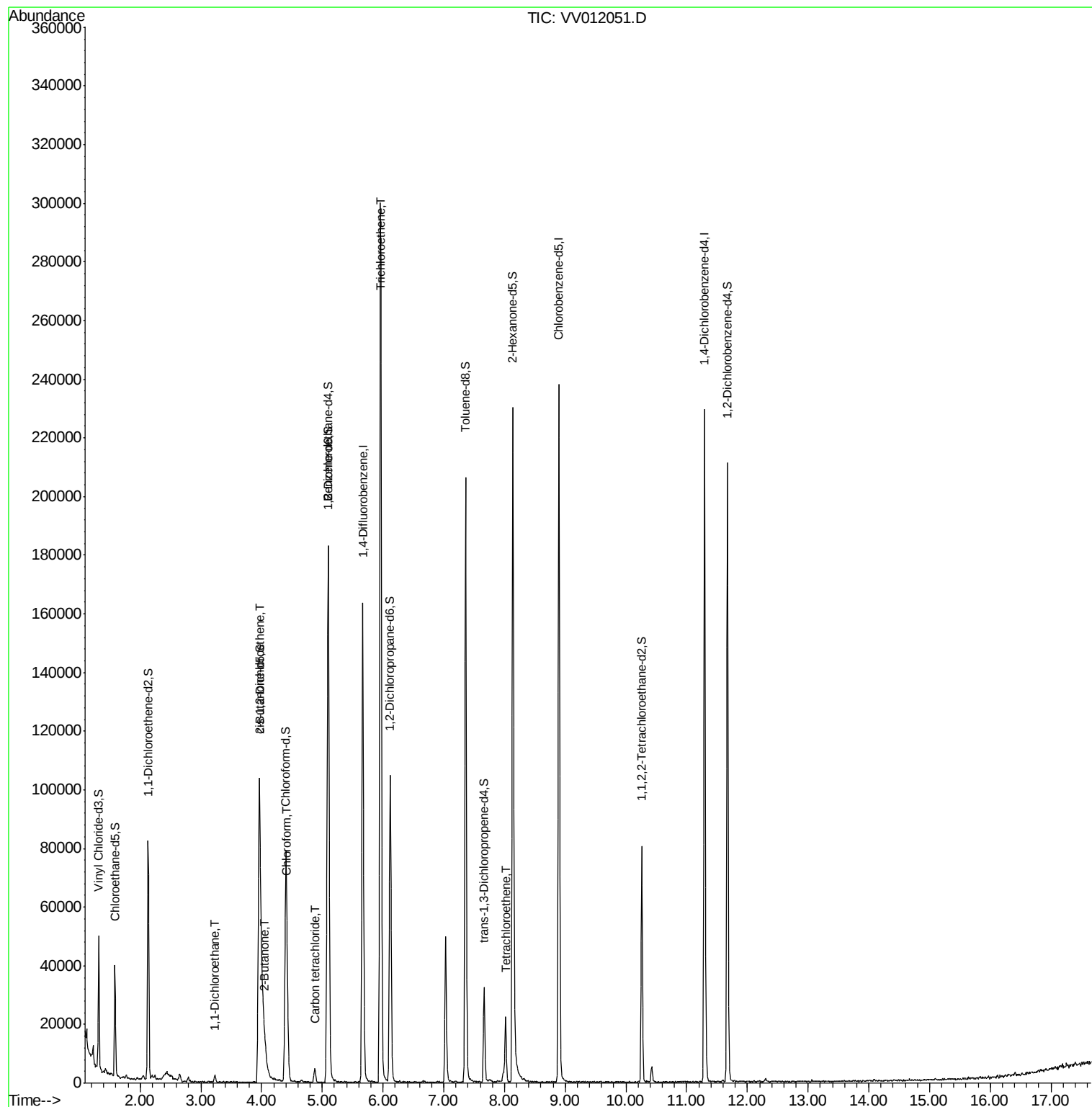
					Ovalue
19) 1,1-Dichloroethane	3.23	63	2435	0.143 ug/L	97
21) 2-Butanone	4.06	43	14025	6.569 ug/L	84
22) cis-1,2-Dichloroethene	3.96	96	28410	2.745 ug/L	98
25) Chloroform	4.43	83	10484	0.510 ug/L	95
31) Carbon tetrachloride	4.87	117	3526	0.234 ug/L	93
34) Trichloroethene	5.96	95	98896	9.246 ug/L	98
47) Tetrachloroethene	8.02	164	5529	0.599 ug/L	93

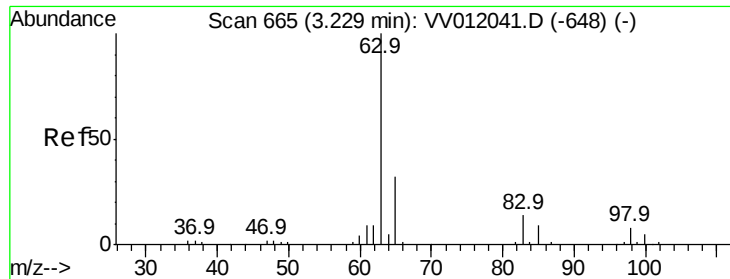
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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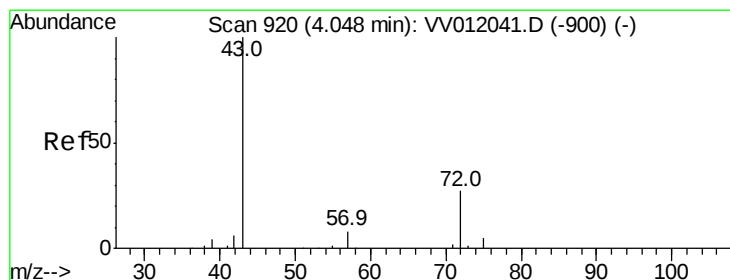
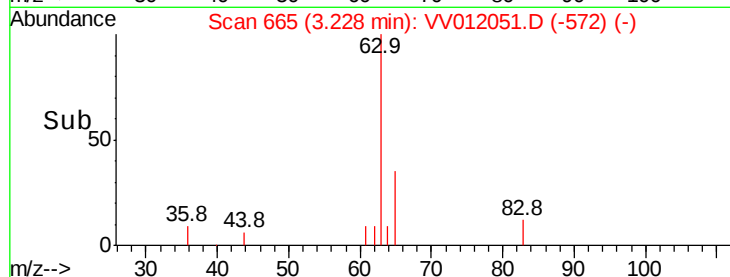
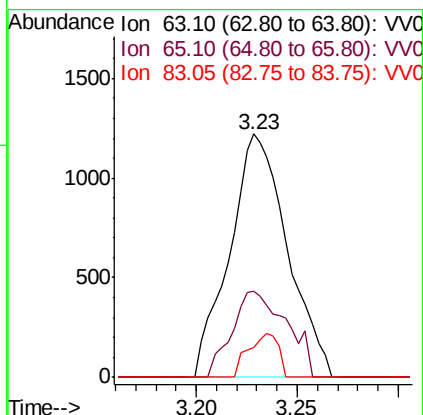
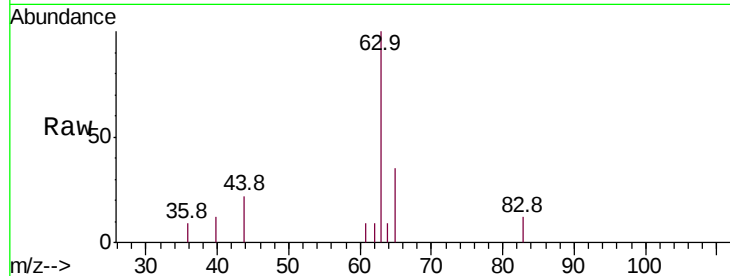




#19
 1,1-Dichloroethane
 Concen: 0.143 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV012051.D
 Acq: 26 Jul 2019 14:18

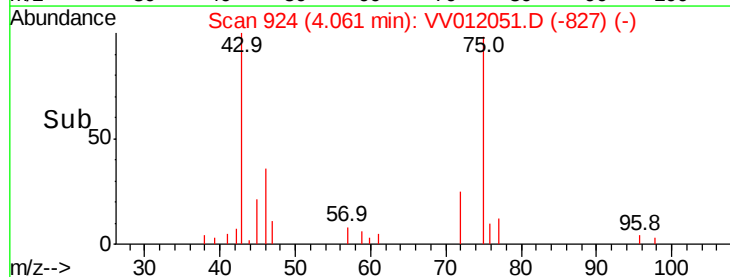
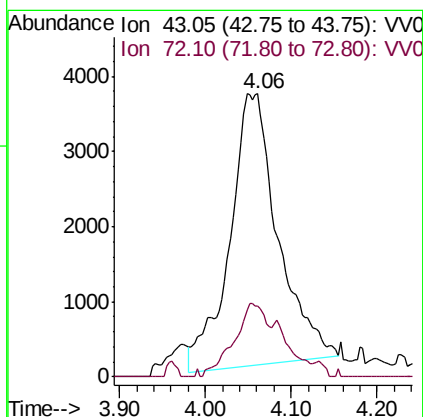
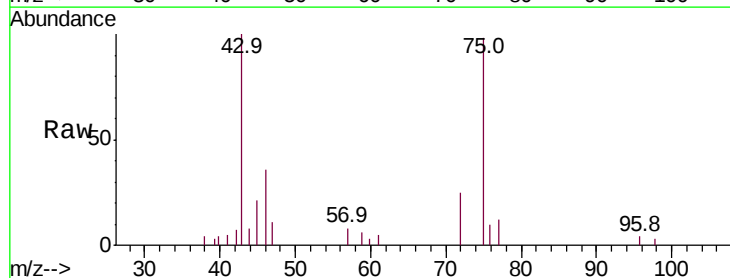
Instrument :
 MSVOA_V
 ClientSampleId :
 C0JZ0

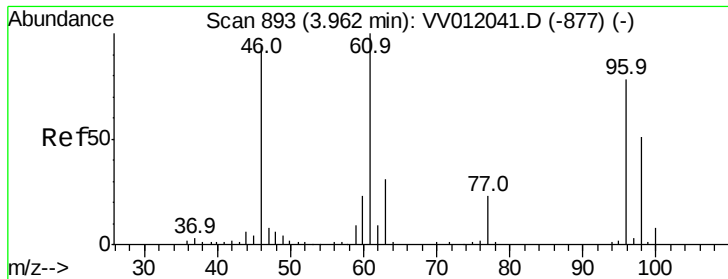
Tot Ion: 63 Resp: 2435
 Ion Ratio Lower Upper
 63 100
 65 35.3 23.5 43.7
 83 12.3 9.7 18.1



#21
 2-Butanone
 Concen: 6.569 ug/L
 RT: 4.06 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VV012051.D
 Acq: 26 Jul 2019 14:18

Tgt Ion: 43 Resp: 14025
 Ion Ratio Lower Upper
 43 100
 72 18.8 13.6 40.8



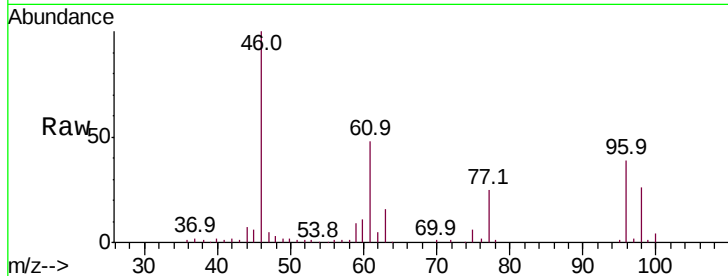


#22

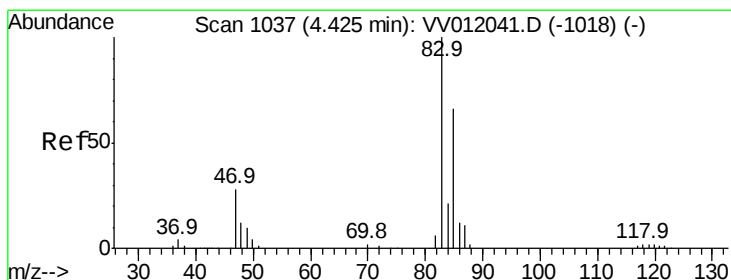
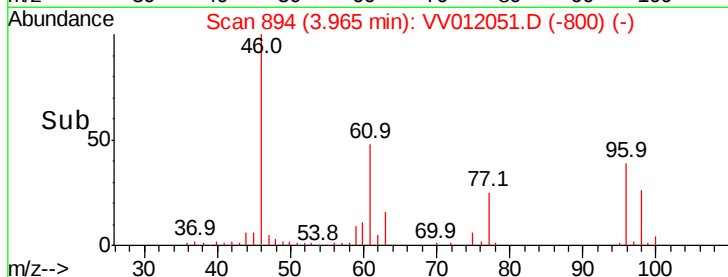
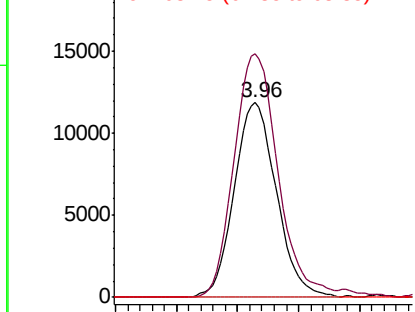
cis-1,2-Dichloroethene
 Concen: 2.745 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV012051.D
 Acq: 26 Jul 2019 14:18

Instrument :
 MSVOA_V
 ClientSampleId :
 C0JZ0

Tot Ion: 96 Resp: 28410
 Ion Ratio Lower Upper
 96 100
 61 125.0 89.0 165.2
 68 0.0 0.0 0.0



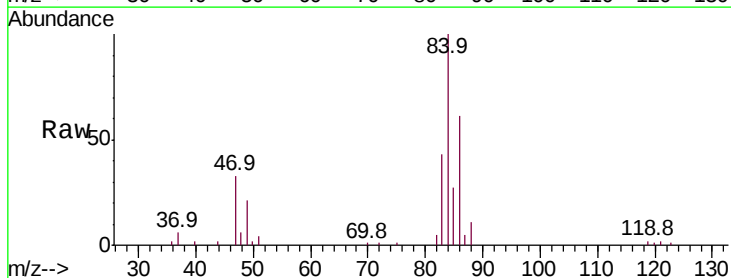
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



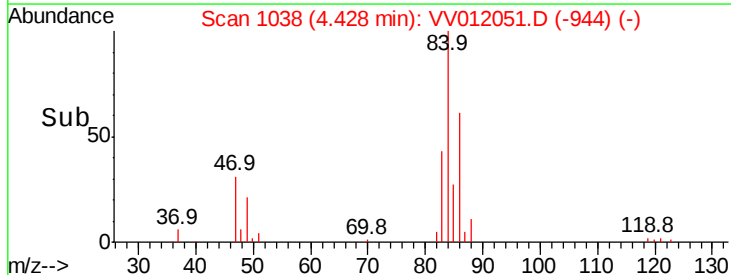
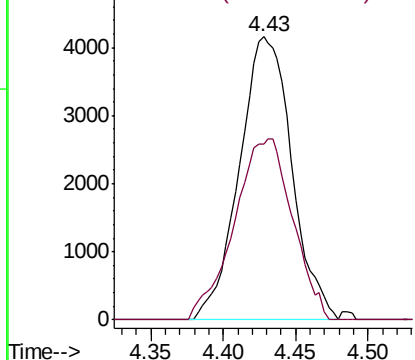
#25

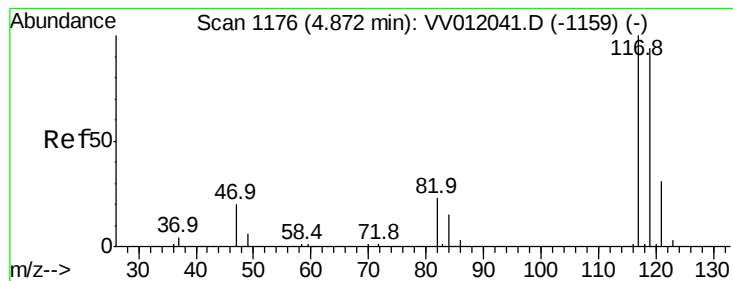
Chloroform
 Concen: 0.510 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VV012051.D
 Acq: 26 Jul 2019 14:18

Tgt Ion: 83 Resp: 10484
 Ion Ratio Lower Upper
 83 100
 85 62.2 46.5 86.3



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#31

Carbon tetrachloride

Concen: 0.234 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV012051.D

Acq: 26 Jul 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

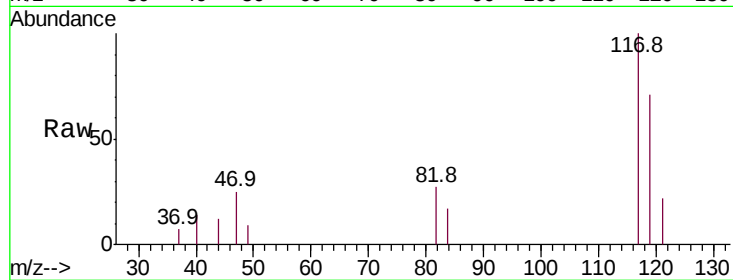
C0JZ0

Tot Ion:117 Resp: 3526

Ion Ratio Lower Upper

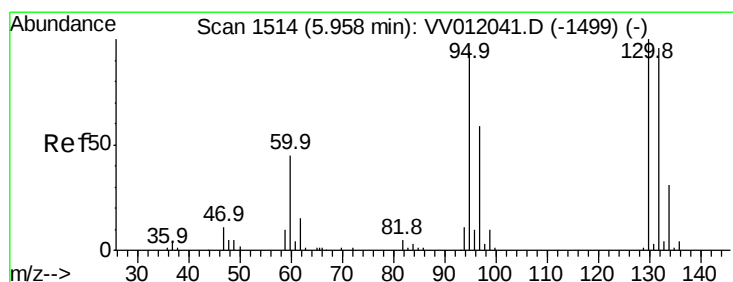
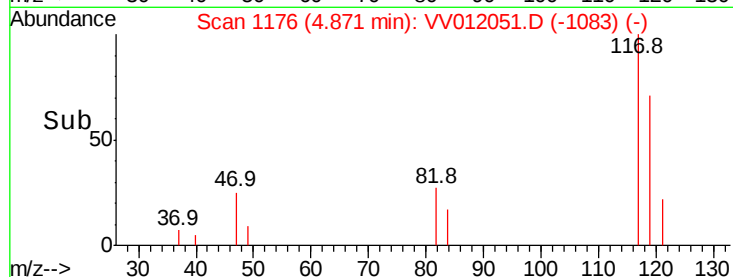
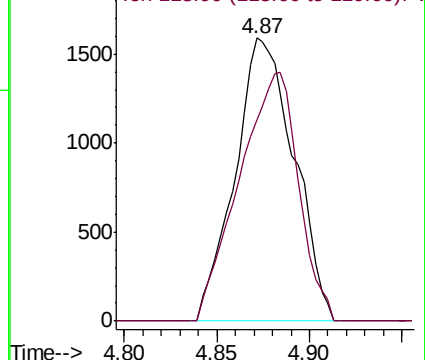
117 100

119 88.3 76.4 114.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 9.246 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV012051.D

Acq: 26 Jul 2019 14:18

Tgt Ion: 95 Resp: 98896

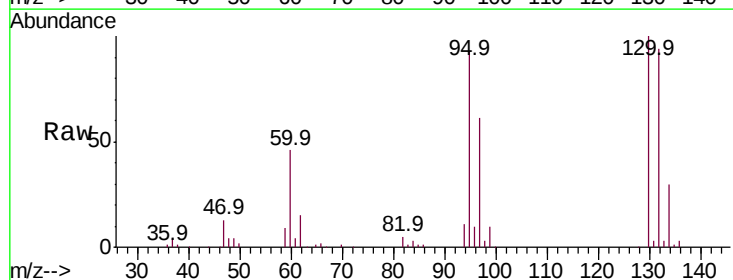
Ion Ratio Lower Upper

95 100

97 65.3 45.6 84.6

132 100.4 71.3 132.3

130 107.0 72.8 135.2

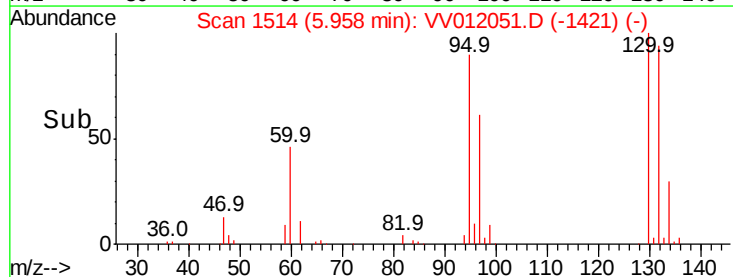
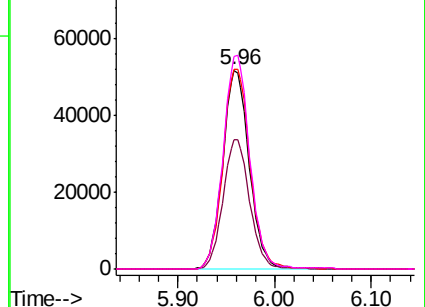


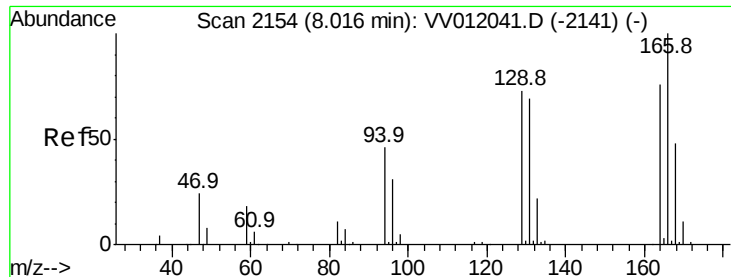
Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.599 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012051.D

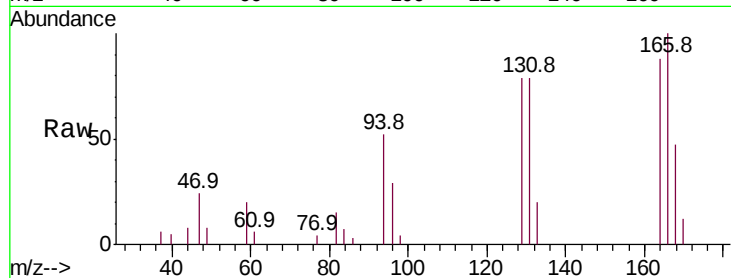
Acq: 26 Jul 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

C0JZ0



Tot Ion:164 Resp: 5529

Ion Ratio Lower Upper

164 100

129 89.7 62.5 116.1

131 89.1 58.6 108.8

166 113.2 88.2 163.8

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

