

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090619\
 Data File : VV012606.D
 Acq On : 06 Sep 2019 19:08
 Operator : SY/MD
 Sample : K4703-05
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD88

Quant Time: Sep 08 11:43:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 07 01:06:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	137662	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	143329	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	49975	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	65301	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.58	69	62495	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.20%
11) 1,1-Dichloroethene-d2	2.13	63	112368	3.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.40%
20) 2-Butanone-d5	3.97	46	160027	63.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.46%
24) Chloroform-d	4.40	84	105736	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
26) 1,2-Dichloroethane-d4	5.08	65	60788	5.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.80%
32) Benzene-d6	5.10	84	187973	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.12	67	64236	5.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.40%
41) Toluene-d8	7.36	98	147993	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	7.67	79	19108	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.14	63	99400	63.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.28%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	46436	5.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	48556	5.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.40%

Target Compounds

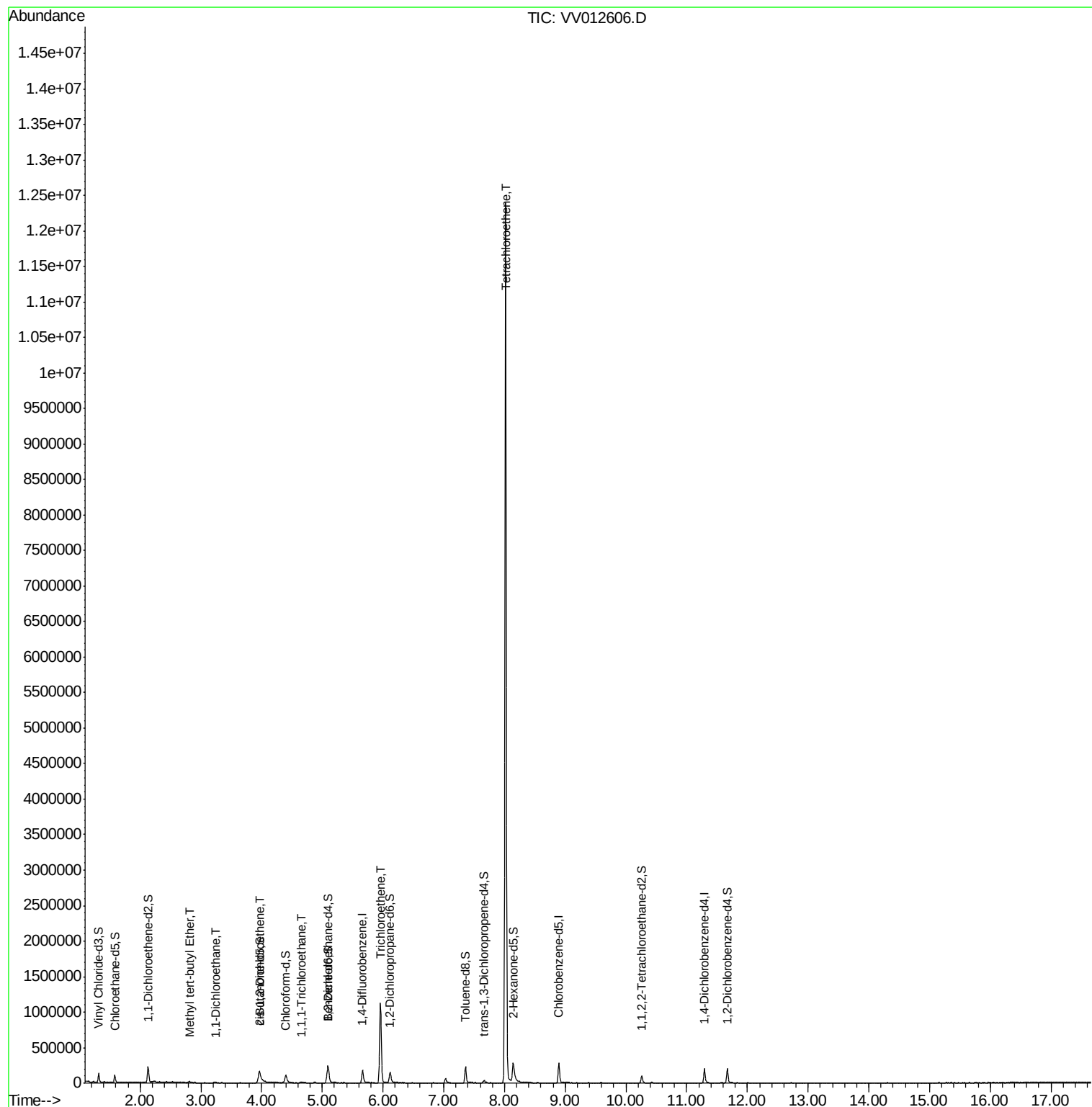
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
17) Methyl tert-butyl Ether	2.81	73	15097	0.569	ug/L	# 89
19) 1,1-Dichloroethane	3.23	63	4930	0.197	ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	65513	5.085	ug/L	93
29) 1,1,1-Trichloroethane	4.65	97	9515	0.452	ug/L	96
34) Trichloroethene	5.96	95	371796	25.721	ug/L	97
47) Tetrachloroethene	8.02	164	2412443	228.945	ug/L	96

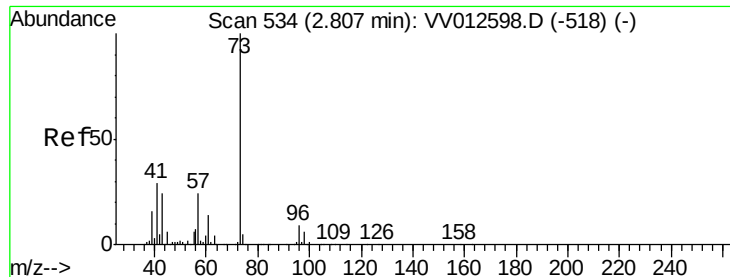
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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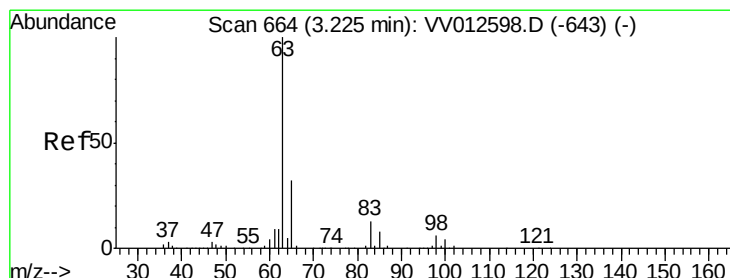
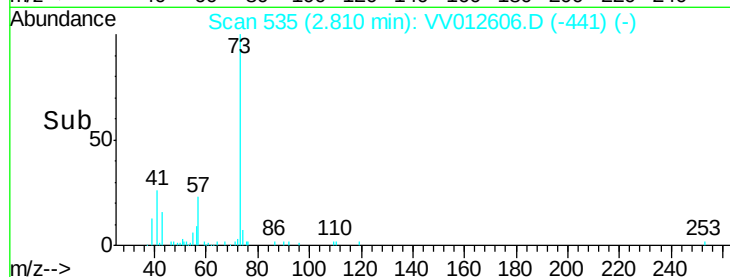
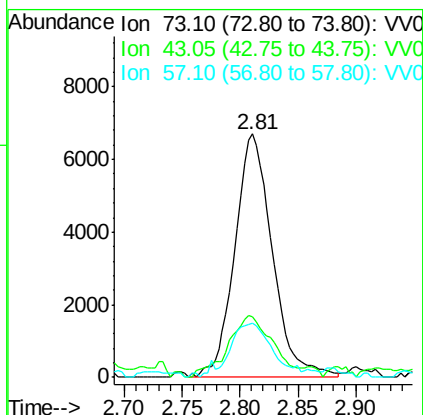
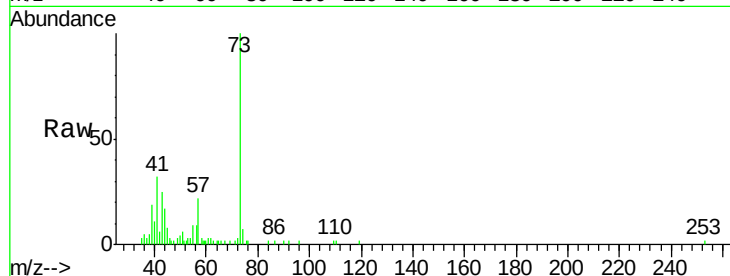




#17
Methyl tert-butyl Ether
Concen: 0.569 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV012606.D
Acq: 06 Sep 2019 19:08

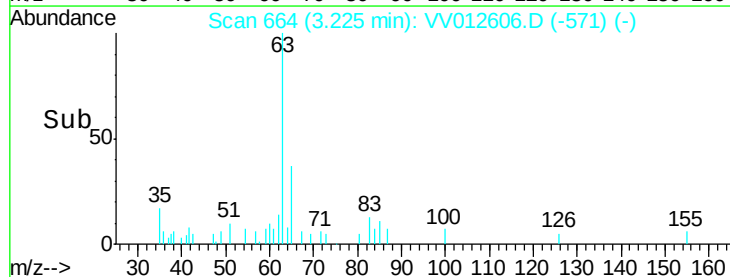
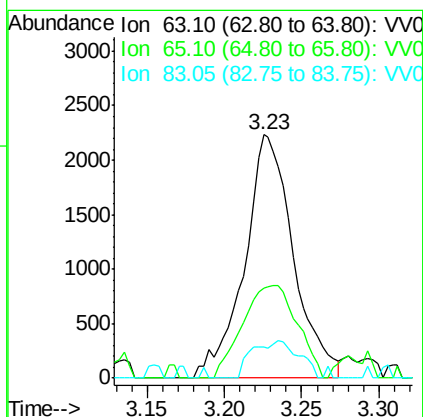
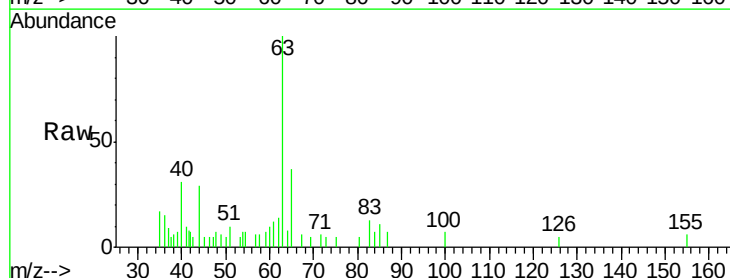
Instrument :
MSVOA_V
ClientSampleId :
BFD88

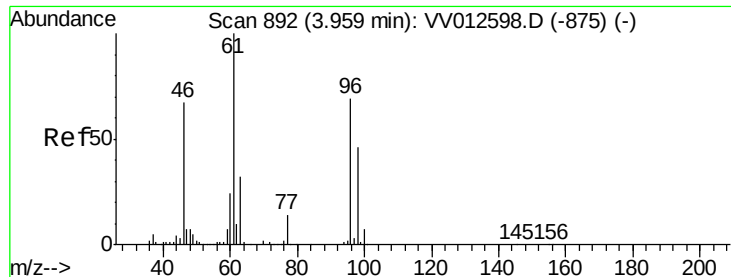
Tot Ion: 73 Resp: 15097
Ion Ratio Lower Upper
73 100
43 30.0 18.9 28.3#
57 19.0 18.9 28.3



#19
1,1-Dichloroethane
Concen: 0.197 ug/L
RT: 3.23 min Scan# 664
Delta R.T. -0.00 min
Lab File: VV012606.D
Acq: 06 Sep 2019 19:08

Tgt Ion: 63 Resp: 4930
Ion Ratio Lower Upper
63 100
65 37.0 20.9 38.9
83 12.7 8.8 16.3





#22

cis-1,2-Dichloroethene

Concen: 5.085 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV012606.D

Acq: 06 Sep 2019 19:08

Instrument :

MSVOA_V

ClientSampleId :

BFD88

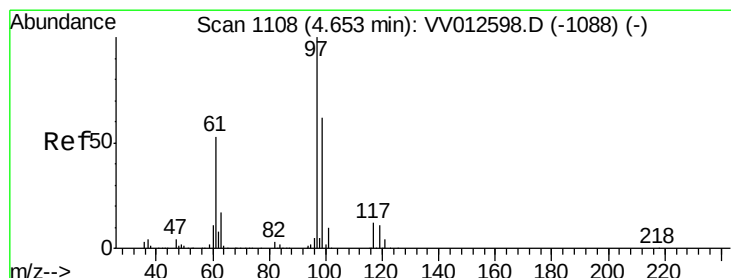
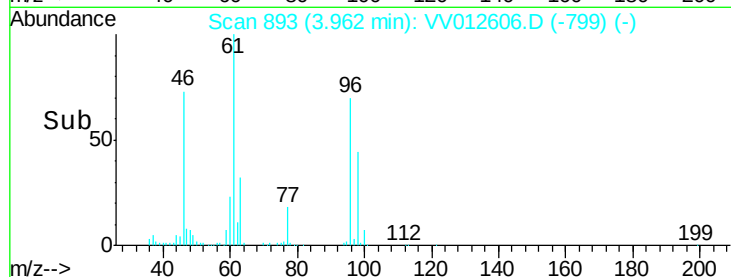
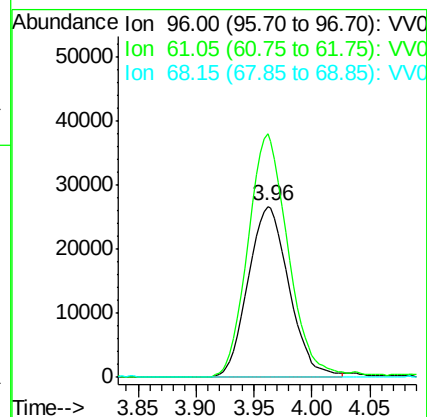
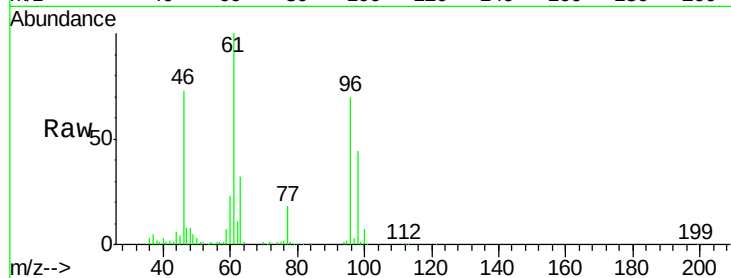
Tot Ion: 96 Resp: 65513

Ion Ratio Lower Upper

96 100

61 142.6 93.9 174.5

68 0.0 0.0 0.0



#29

1,1,1-Trichloroethane

Concen: 0.452 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV012606.D

Acq: 06 Sep 2019 19:08

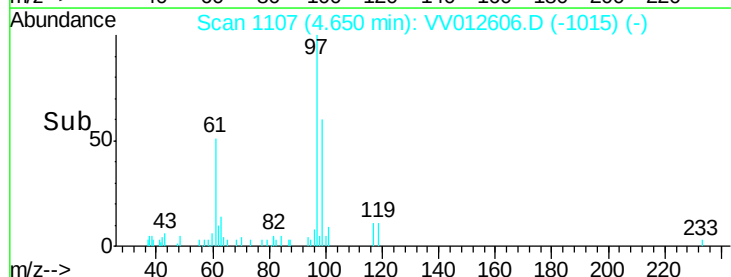
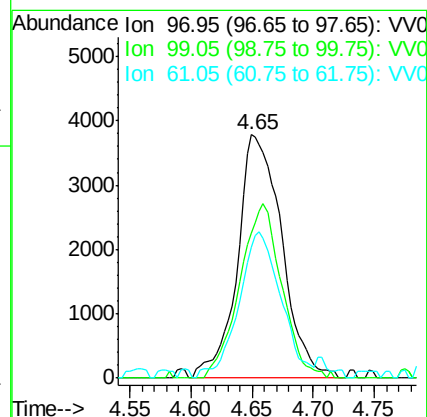
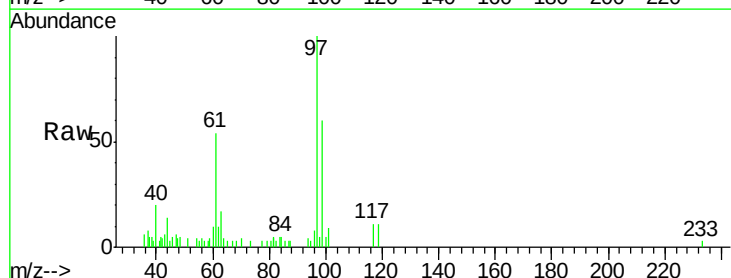
Tgt Ion: 97 Resp: 9515

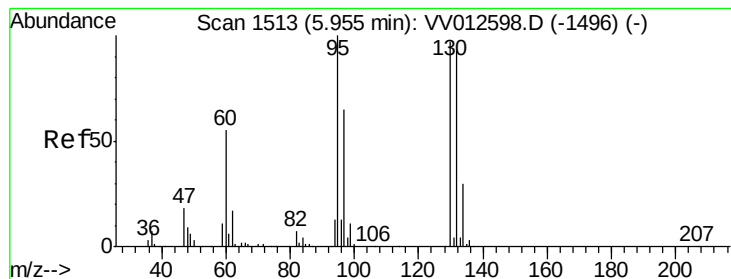
Ion Ratio Lower Upper

97 100

99 67.8 51.8 77.6

61 57.0 43.4 65.0





#34

Trichloroethene

Concen: 25.721 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012606.D

Acq: 06 Sep 2019 19:08

Instrument :

MSVOA_V

ClientSampleId :

BFD88

Tot Ion: 95 Resp: 371796

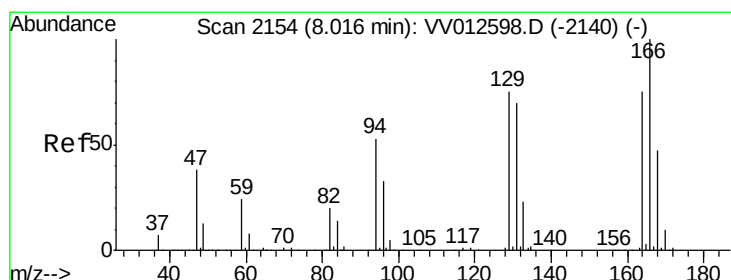
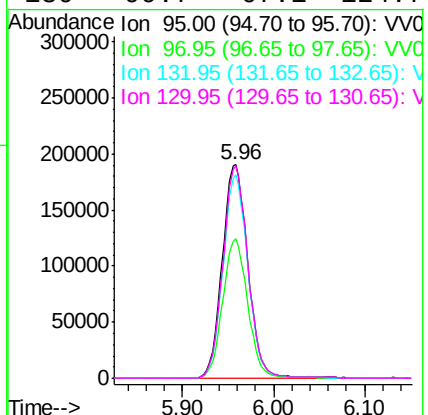
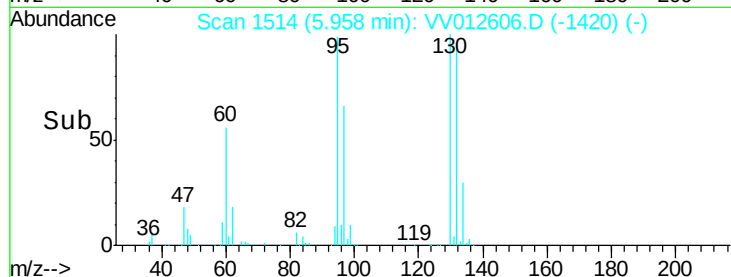
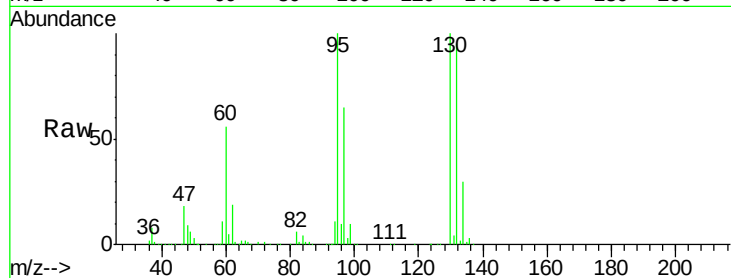
Ion Ratio Lower Upper

95 100

97 65.4 43.9 81.5

132 95.2 64.8 120.4

130 99.7 67.1 124.7



#47

Tetrachloroethene

Concen: 228.945 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012606.D

Acq: 06 Sep 2019 19:08

Tgt Ion: 164 Resp: 2412443

Ion Ratio Lower Upper

164 100

129 97.6 65.0 120.6

131 93.8 62.0 115.2

166 126.5 87.0 161.6

