

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062119\
 Data File : VV011650.D
 Acq On : 20 Jun 2019 18:44
 Operator : SY/MD
 Sample : K3381-02DL 10X
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCM3DL

Quant Time: Jun 21 09:25:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 21 02:33:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	162773	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	155432	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	72231	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55916	5.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.40%
7) Chloroethane-d5	1.55	69	32891	4.33	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.11	63	81618	3.72	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.40%
20) 2-Butanone-d5	3.94	46	164571	57.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.66%
24) Chloroform-d	4.39	84	95545	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.08	65	60856	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
32) Benzene-d6	5.09	84	211998	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.11	67	64489	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.36	98	181651	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	7.66	79	18420	3.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.00%
46) 2-Hexanone-d5	8.14	63	139060	63.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.02%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	54658	5.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	70799	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

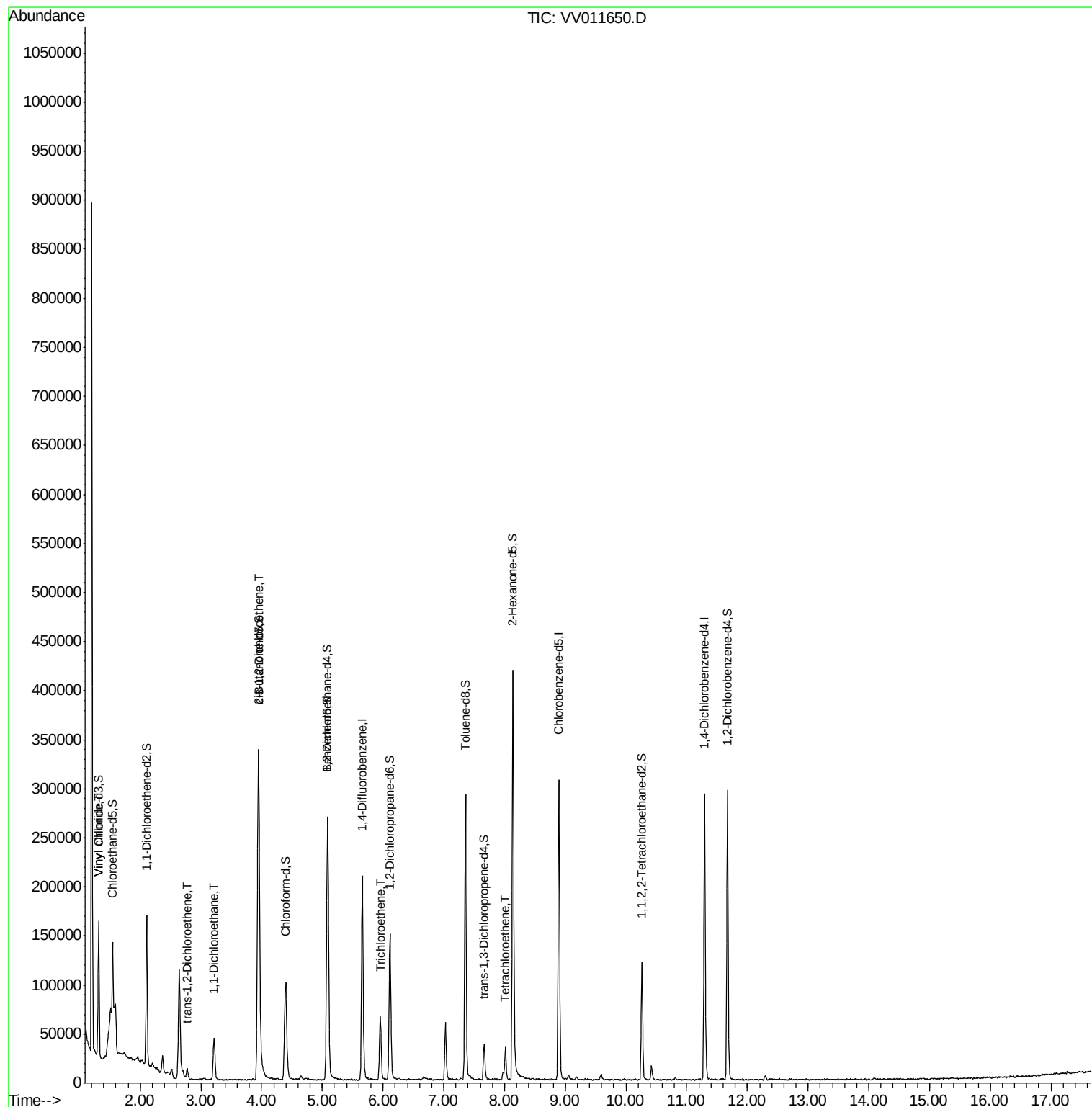
					Ovalue
5) Vinyl chloride	1.32	62	37483	2.490	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	3668	0.310	ug/L 95
19) 1,1-Dichloroethane	3.22	63	40998	1.742	ug/L 99
22) cis-1,2-Dichloroethene	3.95	96	127454	9.793	ug/L 100
34) Trichloroethene	5.96	95	21920	1.604	ug/L 97
47) Tetrachloroethene	8.02	164	6806	0.669	ug/L 90

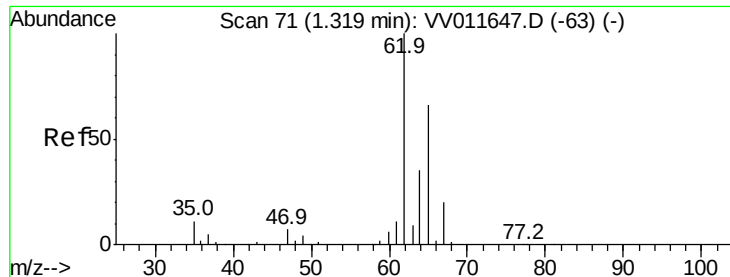
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 21 02:33:37 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.490 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

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Acq: 20 Jun 2019 18:44

Instrument :

MSVOA_V

ClientSampleId :

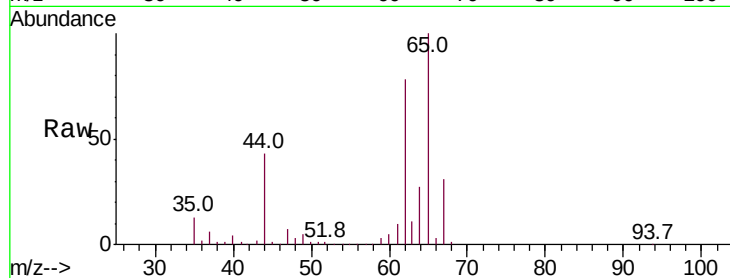
BFCM3DL

Tot Ion: 62 Resp: 37483

Ion Ratio Lower Upper

62 100

64 35.1 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

40000

30000

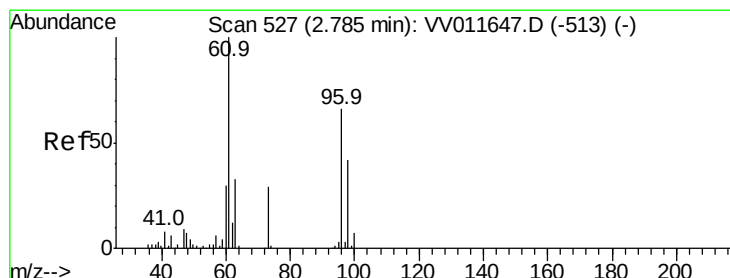
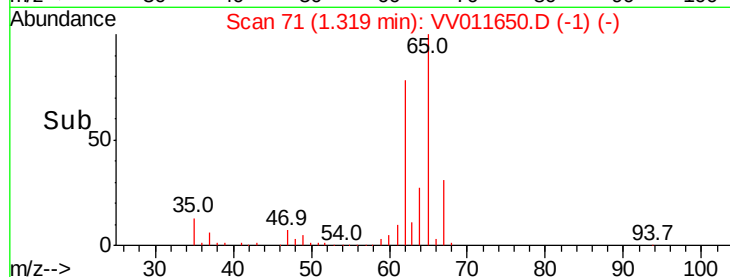
20000

10000

0

1.30 1.35

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.310 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.01 min

Lab File: VV011650.D

Acq: 20 Jun 2019 18:44

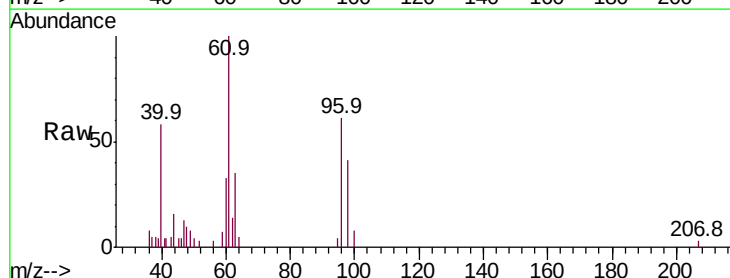
Tgt Ion: 96 Resp: 3668

Ion Ratio Lower Upper

96 100

61 162.8 109.3 203.1

98 66.6 44.6 82.8



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

4000

3000

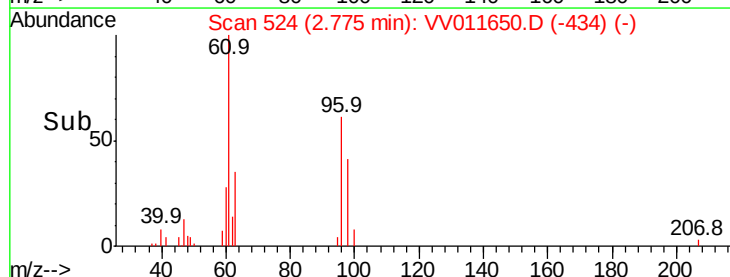
2000

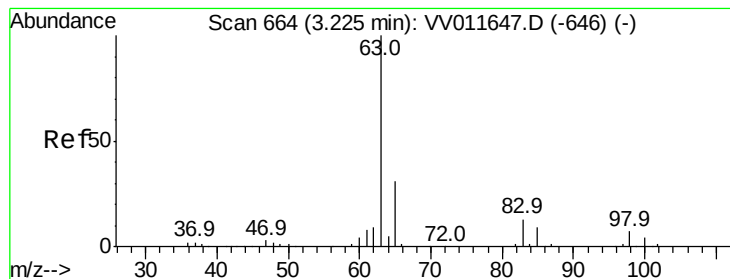
1000

0

2.70 2.75 2.80

Time-->





#19

1,1-Dichloroethane

Concen: 1.742 ug/L

RT: 3.22 min Scan# 661

Delta R.T. -0.01 min

Lab File: VV011650.D

Acq: 20 Jun 2019 18:44

Instrument :

MSVOA_V

ClientSampleId :

BFCM3DL

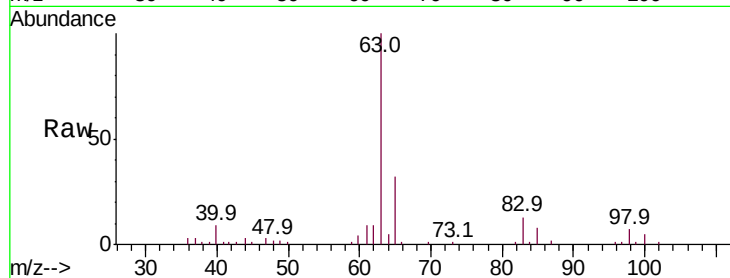
Tot Ion: 63 Resp: 40998

Ion Ratio Lower Upper

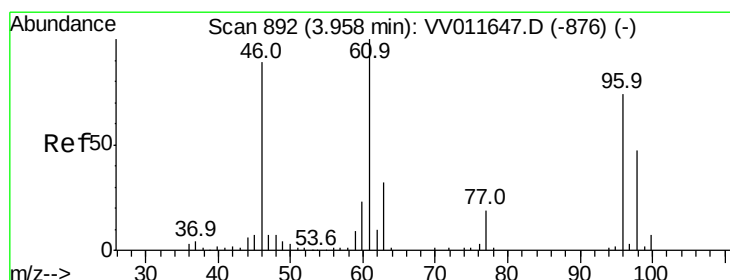
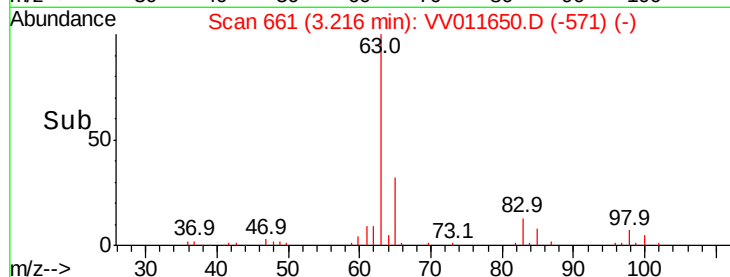
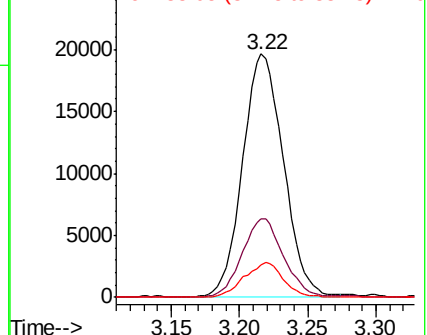
63 100

65 32.5 23.0 42.8

83 13.3 9.5 17.7



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: 9.793 ug/L

RT: 3.95 min Scan# 890

Delta R.T. -0.01 min

Lab File: VV011650.D

Acq: 20 Jun 2019 18:44

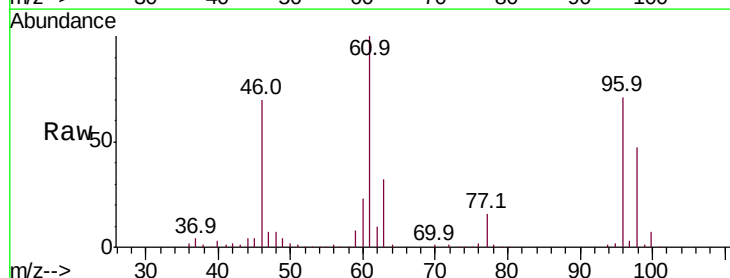
Tgt Ion: 96 Resp: 127454

Ion Ratio Lower Upper

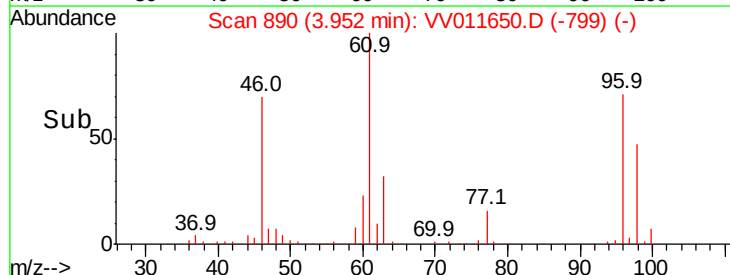
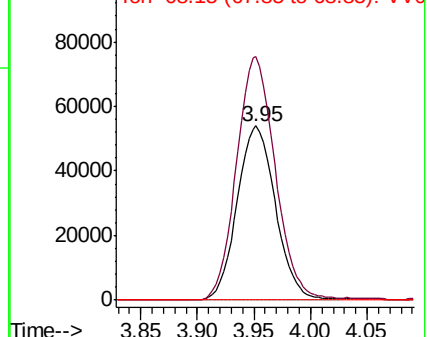
96 100

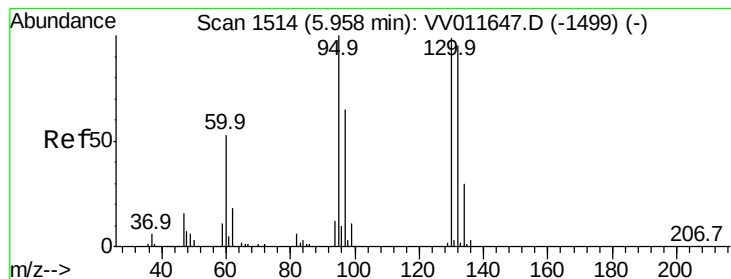
61 139.9 97.9 181.7

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





#34

Trichloroethene

Concen: 1.604 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011650.D

Acq: 20 Jun 2019 18:44

Instrument :

MSVOA_V

ClientSampleId :

BFCM3DL

Tot Ion: 95 Resp: 21920

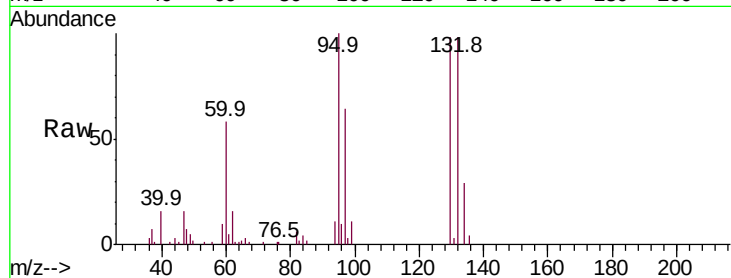
Ion Ratio Lower Upper

95 100

97 63.7 44.4 82.5

132 97.7 65.0 120.6

130 98.1 67.1 124.7

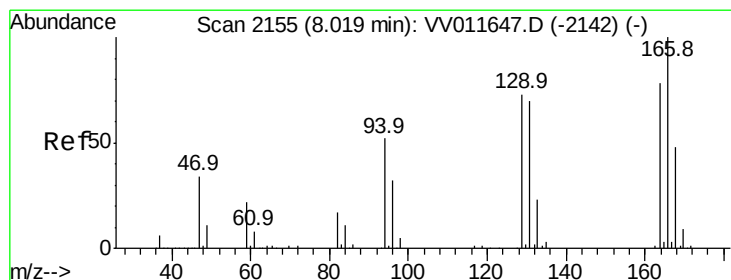
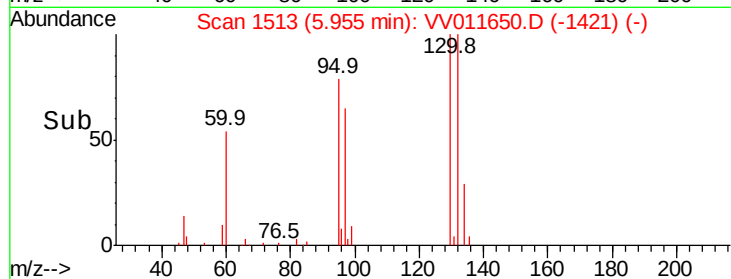
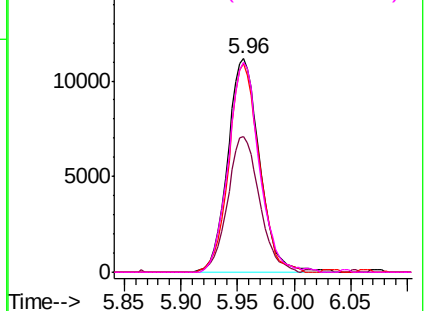


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.669 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV011650.D

Acq: 20 Jun 2019 18:44

Tgt Ion:164 Resp: 6806

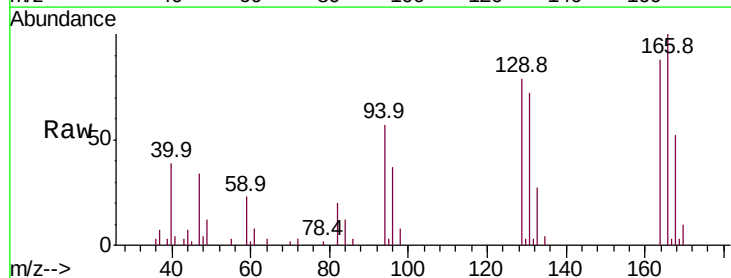
Ion Ratio Lower Upper

164 100

129 89.4 69.7 129.5

131 81.1 64.6 120.0

166 113.4 86.4 160.4



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

