

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102119\
 Data File : VV013258.D
 Acq On : 21 Oct 2019 21:46
 Operator : SY/MD
 Sample : K5457-17
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0K22

Quant Time: Oct 22 04:29:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 22 03:42:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	452112	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	491729	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	250153	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	174225	5.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.60%
7) Chloroethane-d5	1.58	69	145250	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.60%
11) 1,1-Dichloroethene-d2	2.13	63	229874	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	3.97	46	423200	66.11	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.22%#
24) Chloroform-d	4.40	84	389523	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.08	65	189557	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.10	84	785300	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.12	67	240004	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.36	98	656123	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	7.66	79	79035	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.13	63	308776	47.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.60%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	167000	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	256805	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

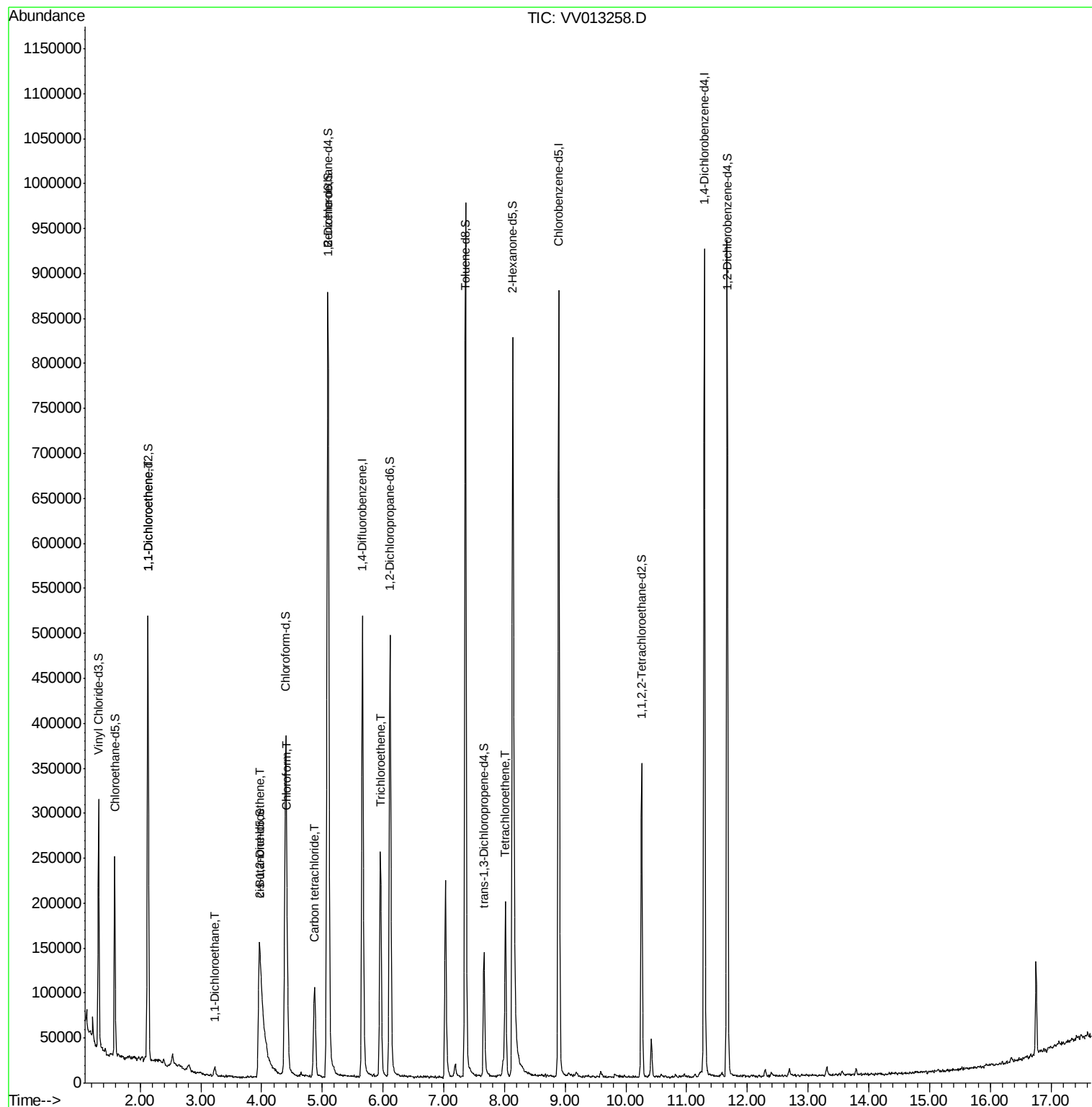
					Ovalue
12) 1,1-Dichloroethene	2.14	96	28910	0.813 ug/L #	1
19) 1,1-Dichloroethane	3.23	63	9354	0.137 ug/L	86
22) cis-1,2-Dichloroethene	3.96	96	20173	0.450 ug/L #	85
25) Chloroform	4.42	83	50486	0.569 ug/L	98
31) Carbon tetrachloride	4.87	117	76266	1.170 ug/L	99
34) Trichloroethene	5.96	95	87978	1.746 ug/L	97
47) Tetrachloroethene	8.02	164	47477	1.038 ug/L	98

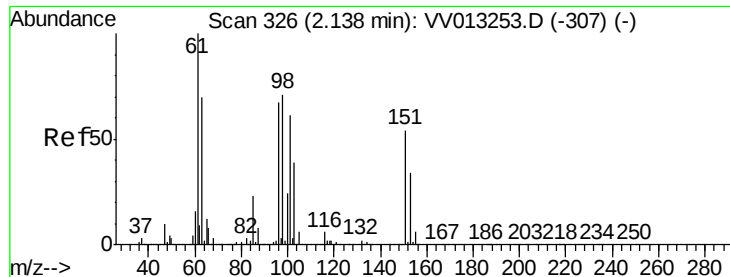
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 03:42:02 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.813 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013258.D

Acq: 21 Oct 2019 21:46

Instrument :

MSVOA_V

ClientSampleId :

C0K22

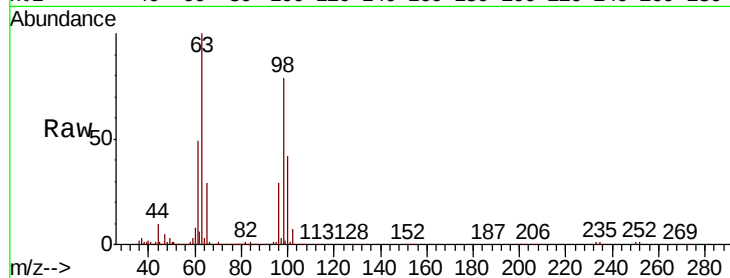
Tot Ion: 96 Resp: 28910

Ion Ratio Lower Upper

96 100

61 169.6 104.0 193.1

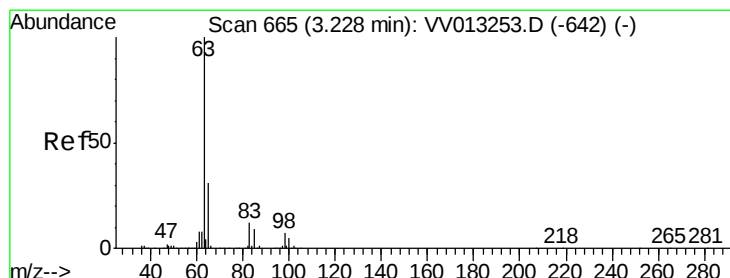
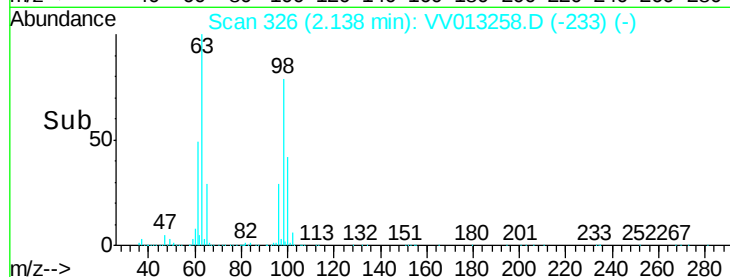
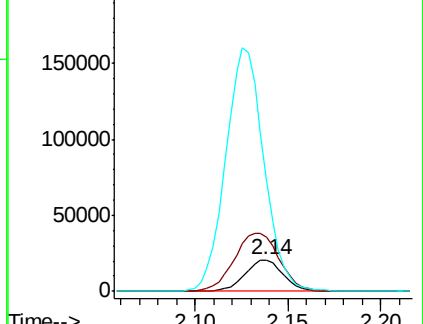
63 348.1 67.1 124.5#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



#19

1,1-Dichloroethane

Concen: 0.137 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV013258.D

Acq: 21 Oct 2019 21:46

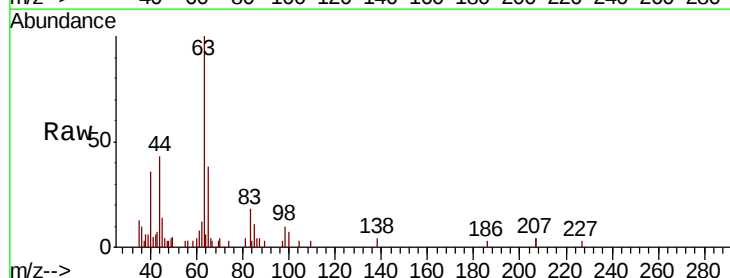
Tgt Ion: 63 Resp: 9354

Ion Ratio Lower Upper

63 100

65 41.9 23.0 42.8

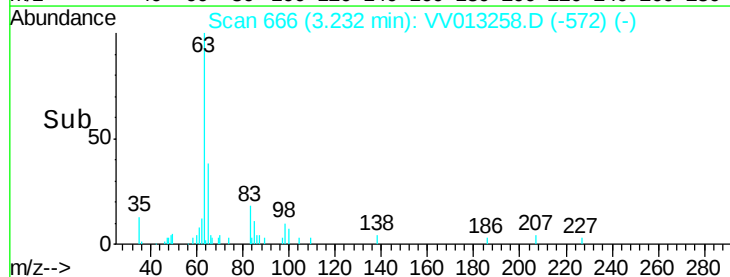
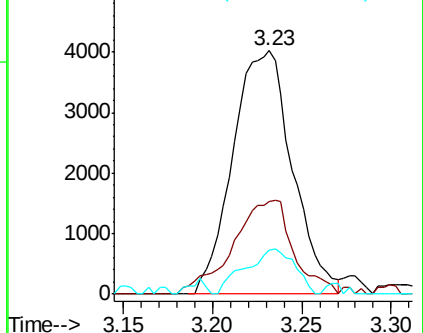
83 18.3 10.2 19.0

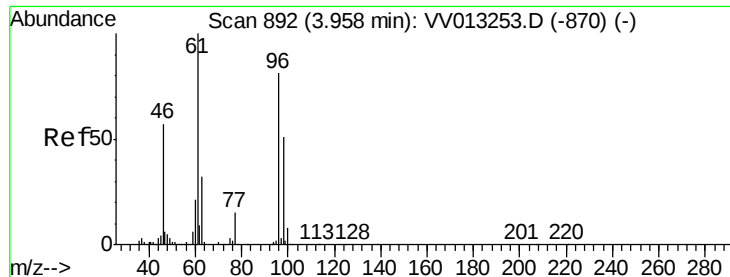


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0





#22

cis-1,2-Dichloroethene

Concen: 0.450 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV013258.D

Acq: 21 Oct 2019 21:46

Instrument :

MSVOA_V

ClientSampleId :

C0K22

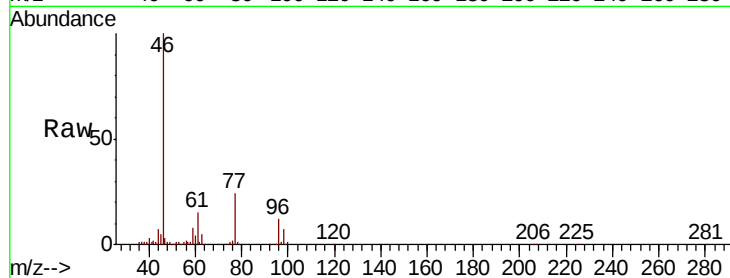
Tot Ion: 96 Resp: 20173

Ion Ratio Lower Upper

96 100

61 126.4 77.3 143.7

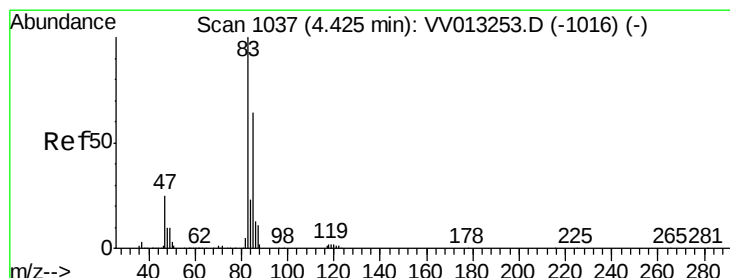
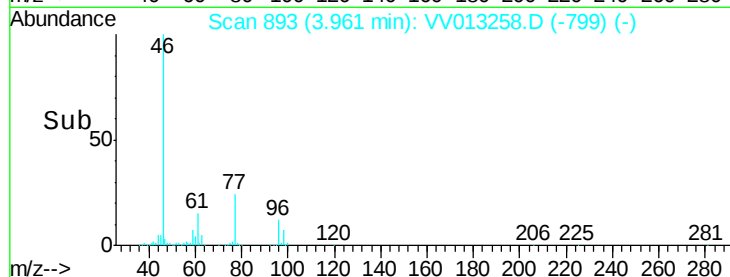
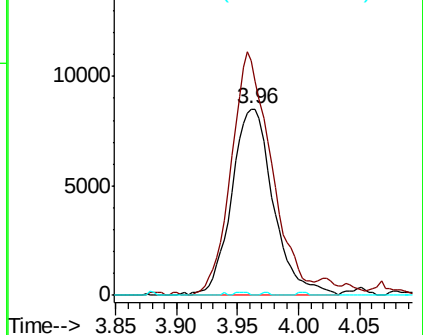
68 0.0 0.1 0.1#



Abundance Ion 96.00 (95.70 to 96.70): VV013258.D (-799) (-)

Ion 61.05 (60.75 to 61.75): VV013258.D (-799) (-)

Ion 68.15 (67.85 to 68.85): VV013258.D (-799) (-)



#25

Chloroform

Concen: 0.569 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV013258.D

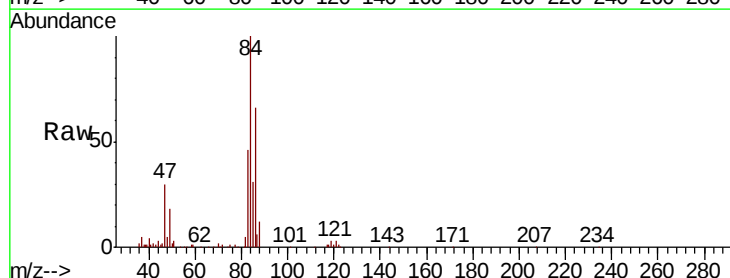
Acq: 21 Oct 2019 21:46

Tgt Ion: 83 Resp: 50486

Ion Ratio Lower Upper

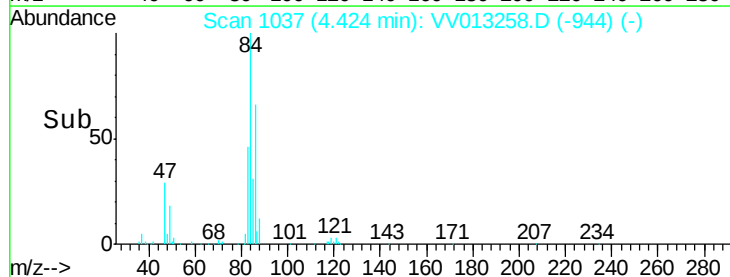
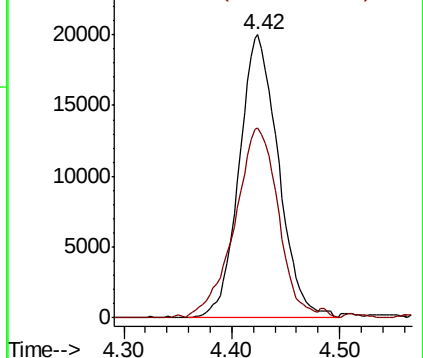
83 100

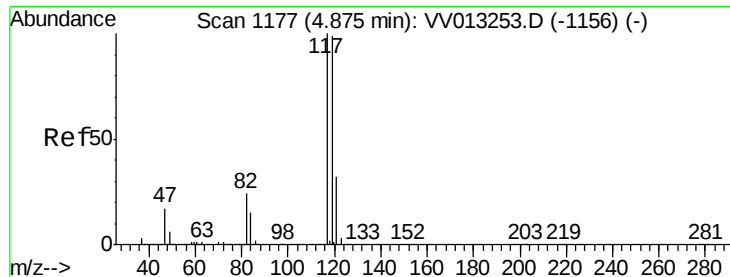
85 67.0 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV013258.D (-944) (-)

Ion 85.00 (84.70 to 85.70): VV013258.D (-944) (-)





#31

Carbon tetrachloride

Concen: 1.170 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013258.D

Acq: 21 Oct 2019 21:46

Instrument :

MSVOA_V

ClientSampleId :

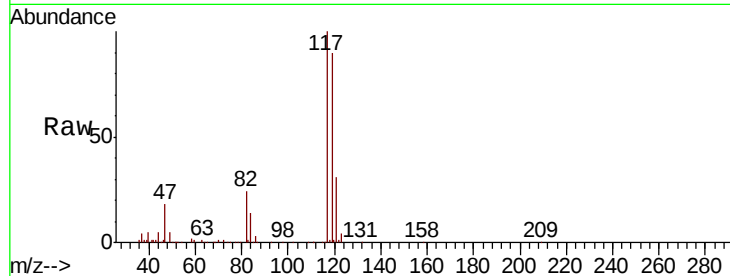
C0K22

Tot Ion:117 Resp: 76266

Ion Ratio Lower Upper

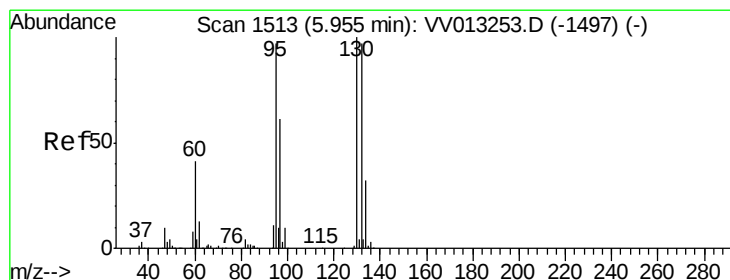
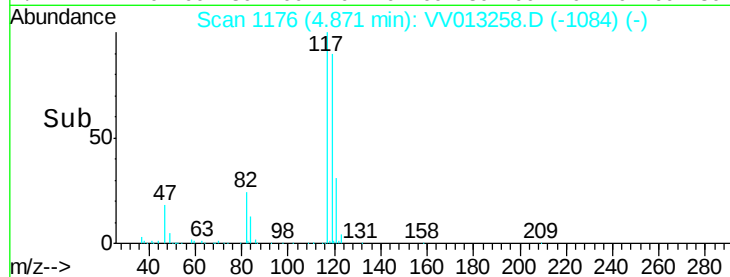
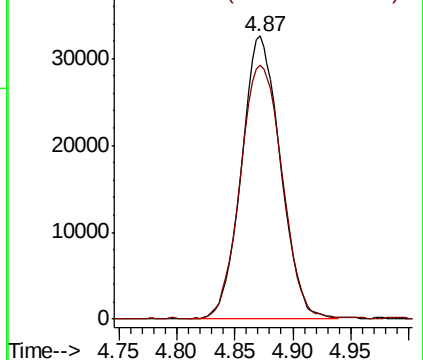
117 100

119 96.2 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 1.746 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013258.D

Acq: 21 Oct 2019 21:46

Tgt Ion: 95 Resp: 87978

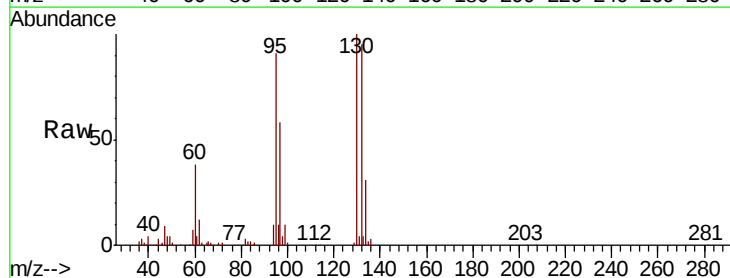
Ion Ratio Lower Upper

95 100

97 63.4 45.2 84.0

132 104.8 70.6 131.2

130 109.9 75.5 140.3

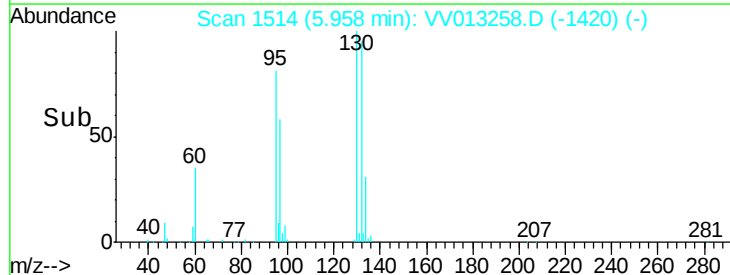
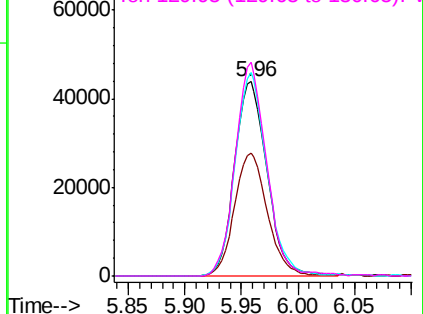


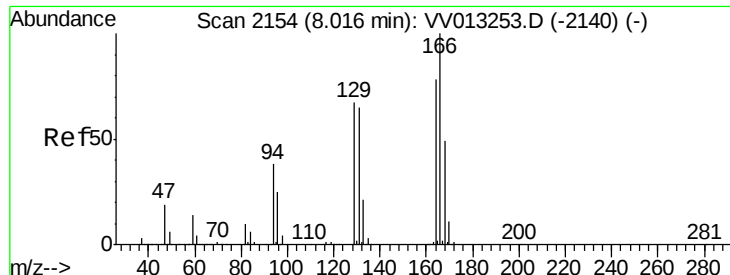
Abundance Ion 95.00 (94.70 to 95.70): VV0

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





#47

Tetrachloroethene

Concen: 1.038 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV013258.D

Acq: 21 Oct 2019 21:46

Instrument :

MSVOA_V

ClientSampleId :

C0K22

Tot Ion:164 Resp: 47477

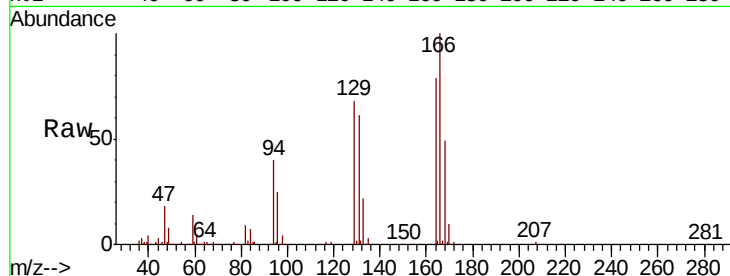
Ion Ratio Lower Upper

164 100

129 86.9 61.0 113.2

131 78.1 57.5 106.9

166 127.4 87.8 163.0



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

