

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102020\
 Data File : VV019031.D
 Acq On : 20 Oct 2020 23:53
 Operator : SY/MD
 Sample : L4430-09 10X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AC0

Quant Time: Oct 21 08:25:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 21 07:57:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	286814	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	287856	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	149131	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71794	30.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	60.82%
7) Chloroethane-d5	1.58	69	73033	39.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.08%
11) 1,1-Dichloroethene-d2	2.12	63	134161	30.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.20%
21) 2-Butanone-d5	3.91	46	161264	97.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.99%
24) Chloroform-d	4.37	84	170364	40.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.32%
26) 1,2-Dichloroethane-d4	5.05	65	124904	44.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.72%
32) Benzene-d6	5.07	84	318841	37.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.88%
36) 1,2-Dichloropropane-d6	6.09	67	108765	40.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.96%
41) Toluene-d8	7.34	98	280418	37.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.40%#
43) trans-1,3-Dichloropropene-	7.64	79	50961	38.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.60%
47) 2-Hexanone-d5	8.11	63	91011	91.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.18%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	131852	41.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.74%
64) 1,2-Dichlorobenzene-d4	11.65	152	130984	43.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.34%

Target Compounds

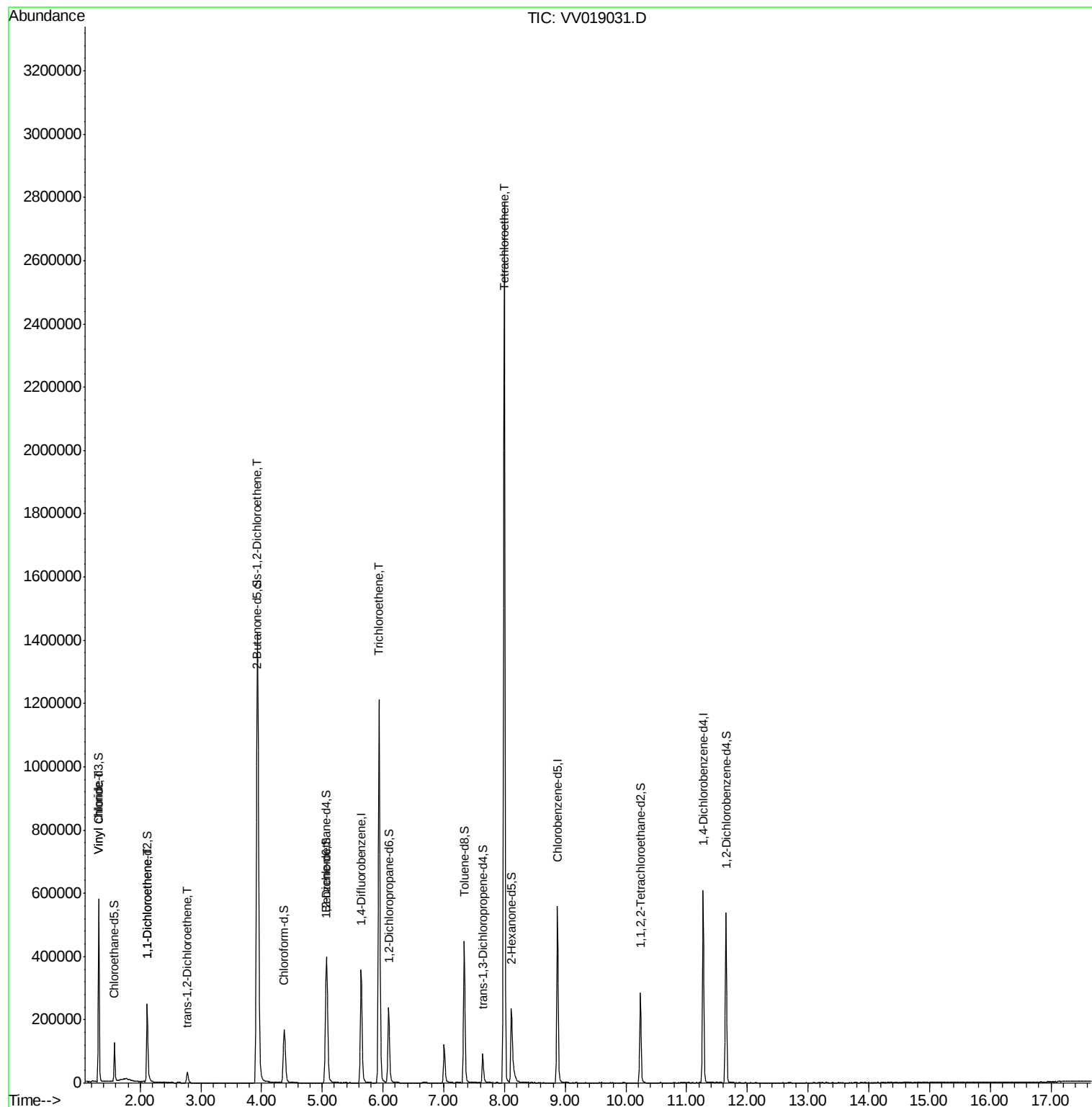
					Ovalue
5) Vinyl chloride	1.32	62	291216	107.573	ug/L 98
12) 1,1-Dichloroethene	2.13	96	7240	3.840	ug/L # 1
17) trans-1,2-Dichloroethene	2.78	96	12434	5.940	ug/L 97
20) cis-1,2-Dichloroethene	3.93	96	726337	327.413	ug/L 98
34) Trichloroethene	5.94	95	401578	157.814	ug/L 98
46) Tetrachloroethene	8.00	164	595275	331.937	ug/L 99

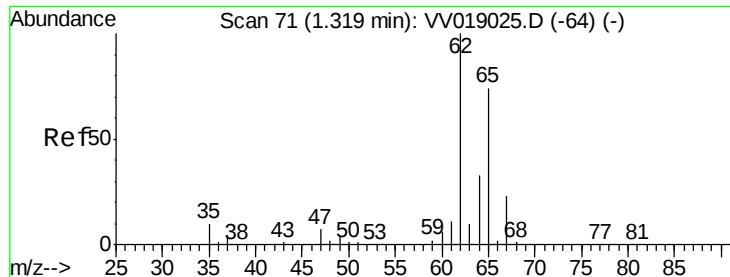
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102020\
Data File : VV019031.D
Acq On : 20 Oct 2020 23:53
Operator : SY/MD
Sample : L4430-09 10X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AC0

Quant Time: Oct 21 08:25:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 21 07:57:26 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 107.573 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019031.D

Acq: 20 Oct 2020 23:53

Instrument :

MSVOA_V

ClientSampleId :

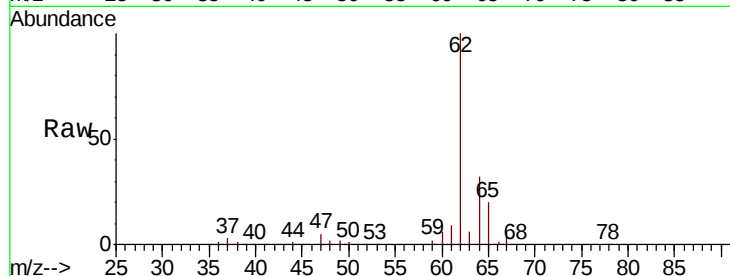
C0AC0

Tot Ion: 62 Resp: 291216

Ion Ratio Lower Upper

62 100

64 32.1 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

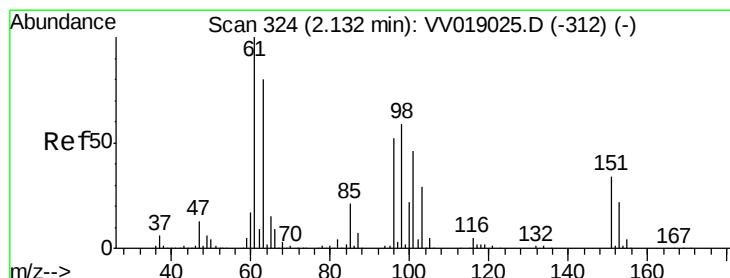
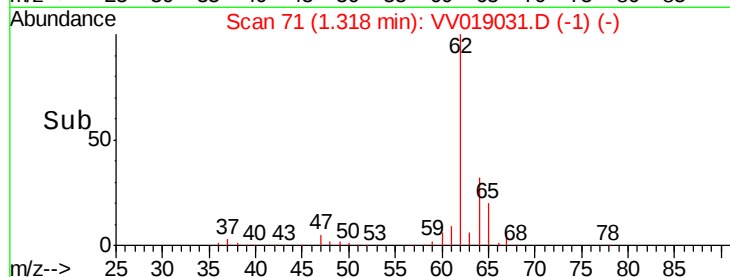
300000

200000

100000

0

Time--> 1.25 1.30 1.35 1.40



#12

1,1-Dichloroethene

Concen: 3.840 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV019031.D

Acq: 20 Oct 2020 23:53

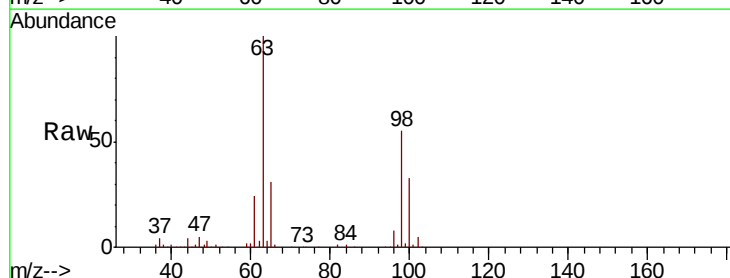
Tgt Ion: 96 Resp: 7240

Ion Ratio Lower Upper

96 100

61 306.5 133.5 247.9#

63 1282.8 102.1 189.7#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

120000

100000

80000

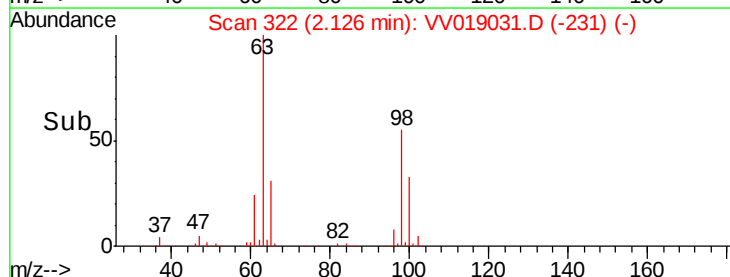
60000

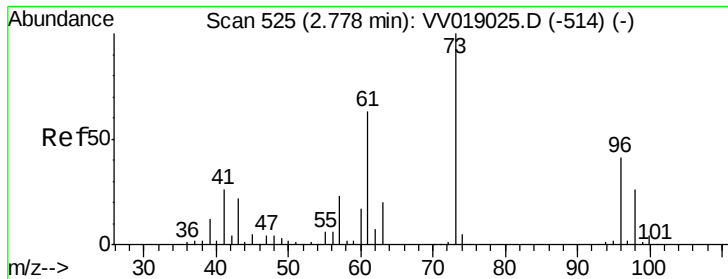
40000

20000

0

Time--> 2.10 2.15

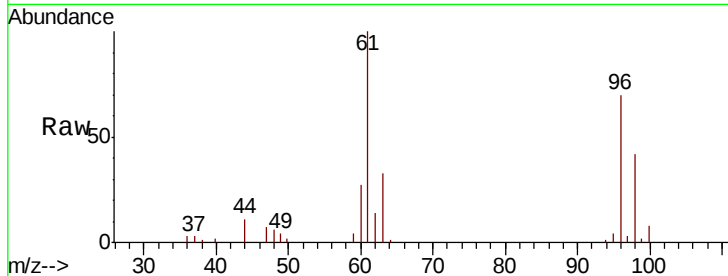




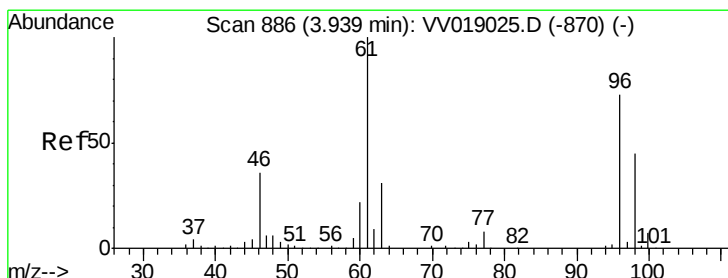
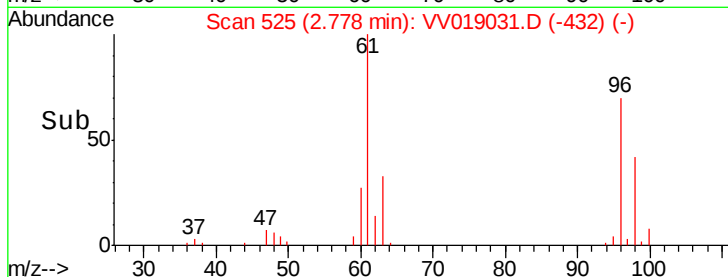
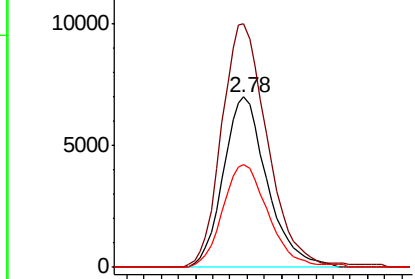
#17
trans-1,2-Dichloroethene
Concen: 5.940 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV019031.D
Acq: 20 Oct 2020 23:53

Instrument :
MSVOA_V
ClientSampleId :
C0AC0

Tot Ion: 96 Resp: 12434
Ion Ratio Lower Upper
96 100
61 143.1 102.8 190.8
98 60.5 44.0 81.6

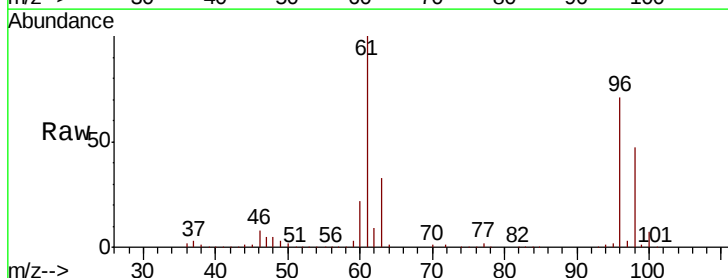


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

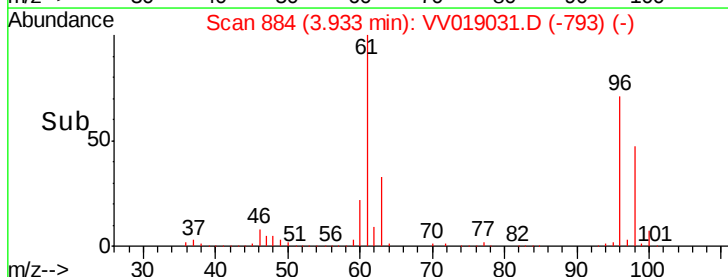
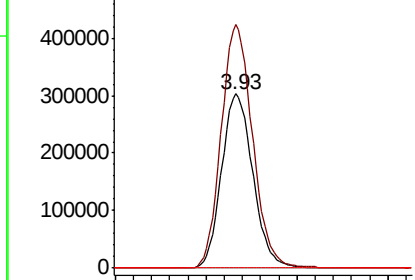


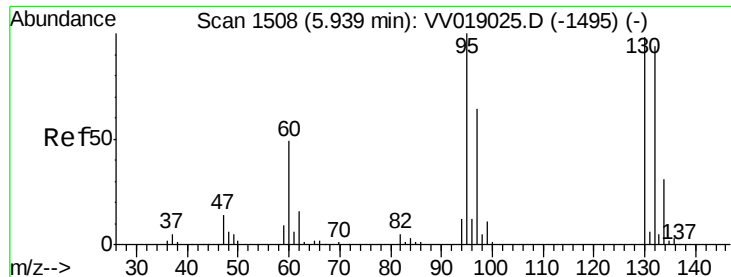
#20
cis-1,2-Dichloroethene
Concen: 327.413 ug/L
RT: 3.93 min Scan# 884
Delta R.T. -0.01 min
Lab File: VV019031.D
Acq: 20 Oct 2020 23:53

Tgt Ion: 96 Resp: 726337
Ion Ratio Lower Upper
96 100
61 140.0 96.1 178.5
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#34

Trichloroethene

Concen: 157.814 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV019031.D

Acq: 20 Oct 2020 23:53

Instrument :

MSVOA_V

ClientSampleId :

C0AC0

Tot Ion: 95 Resp: 401578

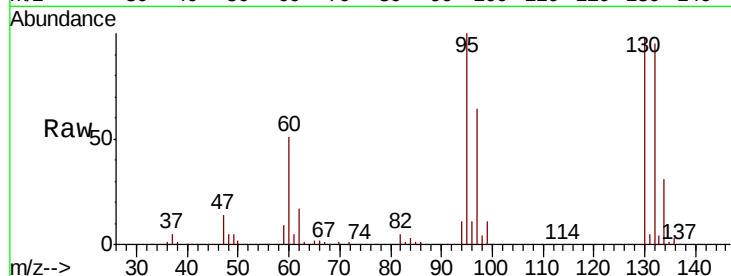
Ion Ratio Lower Upper

95 100

97 64.4 44.7 82.9

132 94.8 67.0 124.4

130 97.6 70.8 131.6

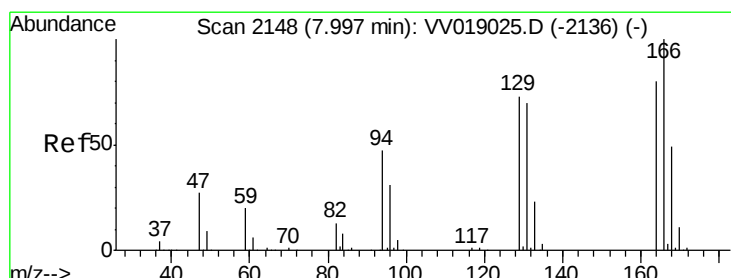
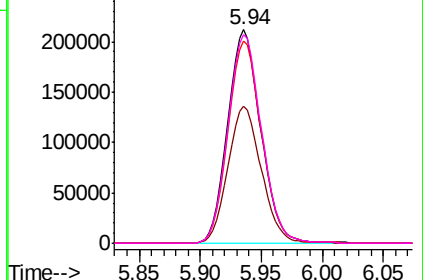
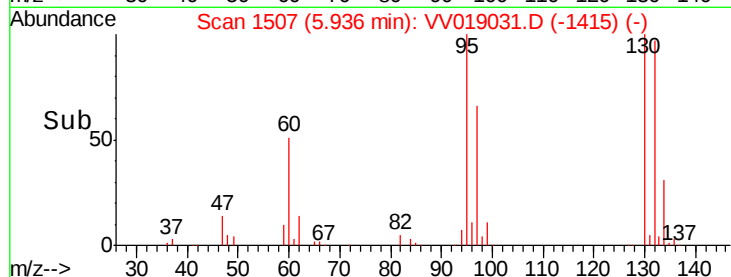


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#46

Tetrachloroethene

Concen: 331.937 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV019031.D

Acq: 20 Oct 2020 23:53

Tgt Ion: 164 Resp: 595275

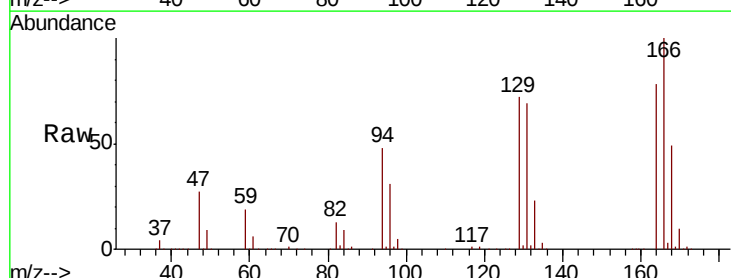
Ion Ratio Lower Upper

164 100

129 92.5 65.0 120.8

131 89.4 62.9 116.7

166 128.8 91.1 169.3



Abundance Ion 164.00 (163.70 to 164.70): VV0

Ion 129.00 (128.70 to 129.70): VV0

Ion 131.00 (130.70 to 131.70): VV0

Ion 166.00 (165.70 to 166.70): VV0

