

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102020\
 Data File : VV019006.D
 Acq On : 20 Oct 2020 12:02
 Operator : SY/MD
 Sample : L4430-04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB2

Quant Time: Oct 21 06:32:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 21 06:02:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	291146	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	289608	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	134939	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	74333	31.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.04%
7) Chloroethane-d5	1.58	69	76913	40.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.02%
11) 1,1-Dichloroethene-d2	2.12	63	132907	29.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.76%#
21) 2-Butanone-d5	3.91	46	152488	91.28	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.28%
24) Chloroform-d	4.38	84	172674	40.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.20%
26) 1,2-Dichloroethane-d4	5.06	65	123820	43.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.64%
32) Benzene-d6	5.08	84	326453	38.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.22%
36) 1,2-Dichloropropane-d6	6.09	67	112387	41.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.16%
41) Toluene-d8	7.34	98	284105	37.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.92%#
43) trans-1,3-Dichloropropene-	7.64	79	50351	38.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.22%
47) 2-Hexanone-d5	8.11	63	78277	77.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.95%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	124842	39.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	78.82%
64) 1,2-Dichlorobenzene-d4	11.65	152	123138	44.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.70%

Target Compounds

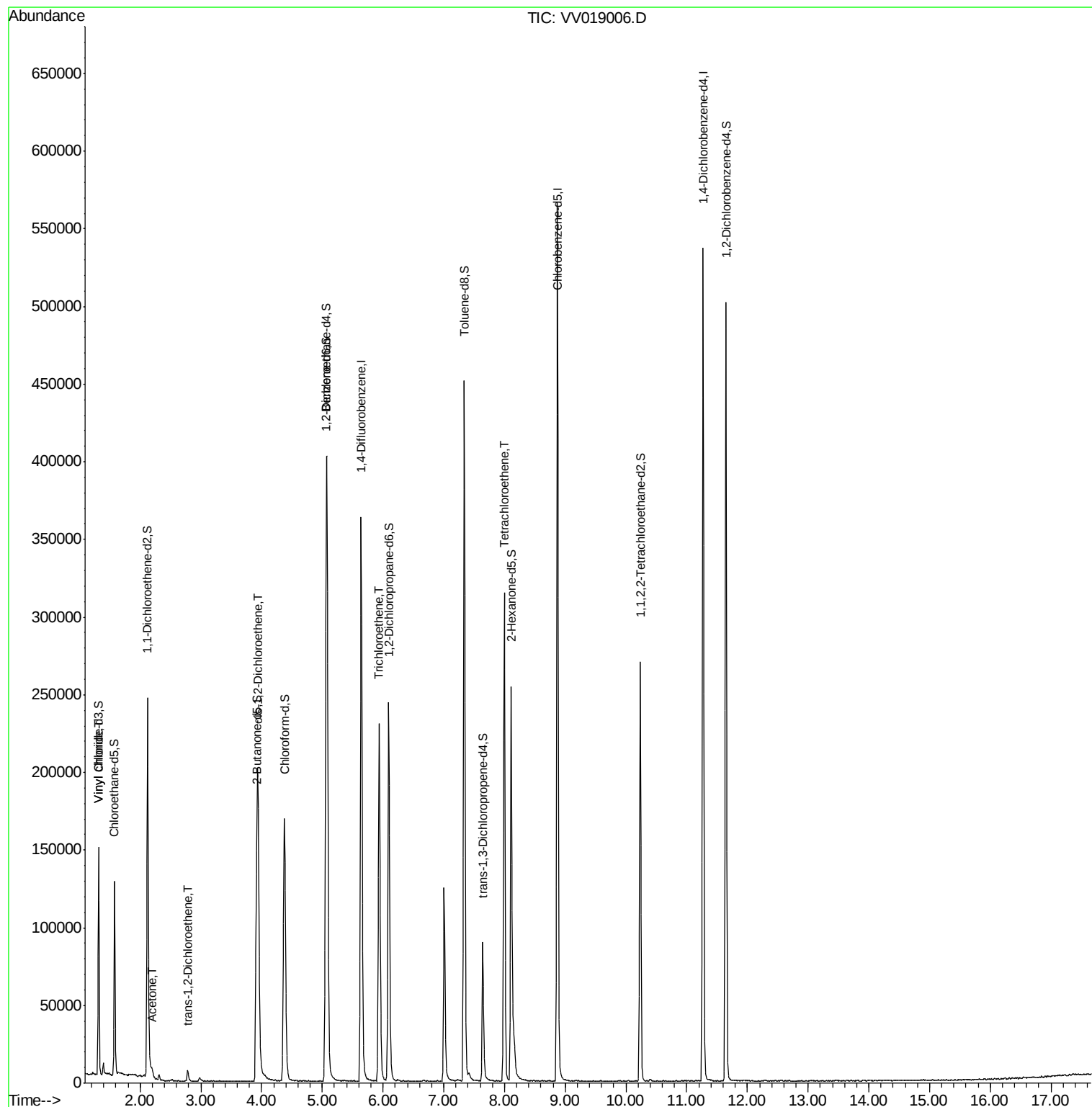
					Ovalue
5) Vinyl chloride	1.32	62	18875	6.869	ug/L 97
13) Acetone	2.19	43	8759	7.176	ug/L 74
17) trans-1,2-Dichloroethene	2.78	96	2559	1.204	ug/L 90
20) cis-1,2-Dichloroethene	3.94	96	88121	39.132	ug/L 96
34) Trichloroethene	5.94	95	73546	28.728	ug/L 99
46) Tetrachloroethene	8.00	164	68039	37.710	ug/L 95

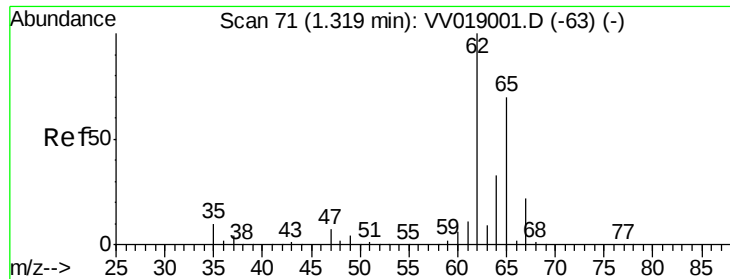
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 6.869 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019006.D

Acq: 20 Oct 2020 12:02

Instrument :

MSVOA_V

ClientSampled :

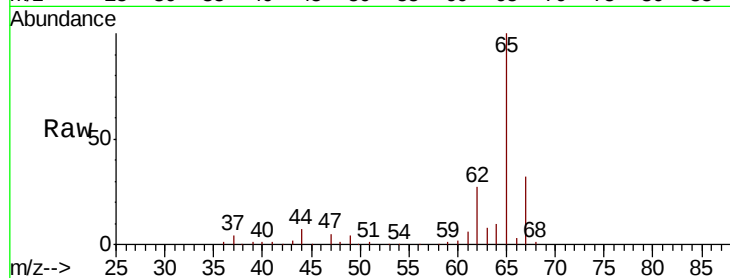
C0AB2

Tot Ion: 62 Resp: 18875

Ion Ratio Lower Upper

62 100

64 35.0 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

15000

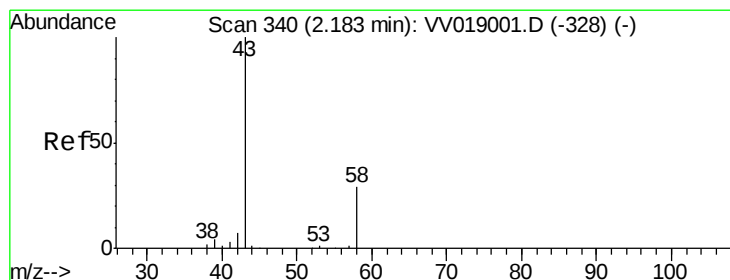
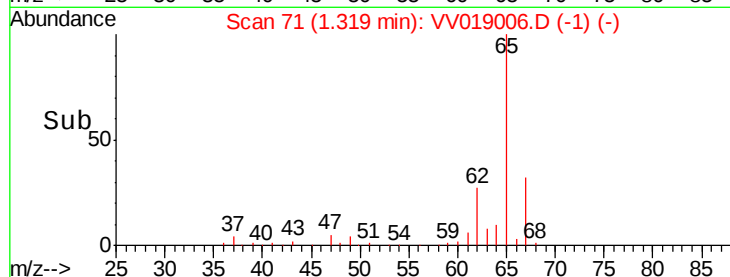
10000

5000

0

1.30 1.35

Time-->



#13

Acetone

Concen: 7.176 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV019006.D

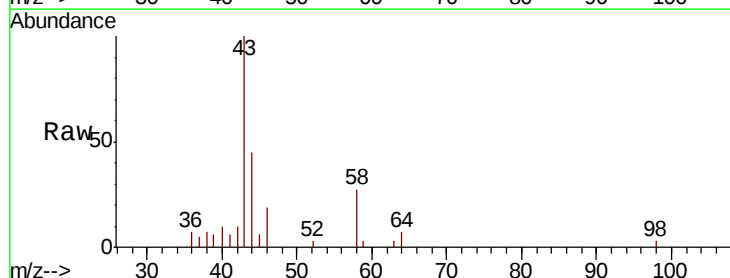
Acq: 20 Oct 2020 12:02

Tgt Ion: 43 Resp: 8759

Ion Ratio Lower Upper

43 100

58 15.3 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.19

4000

3000

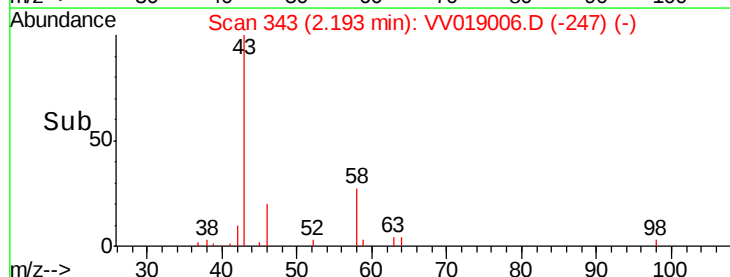
2000

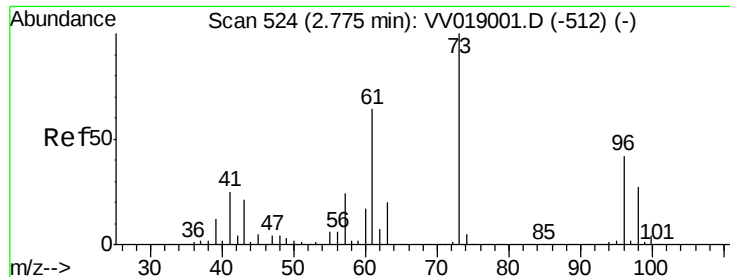
1000

0

2.10 2.15 2.20 2.25 2.30

Time-->

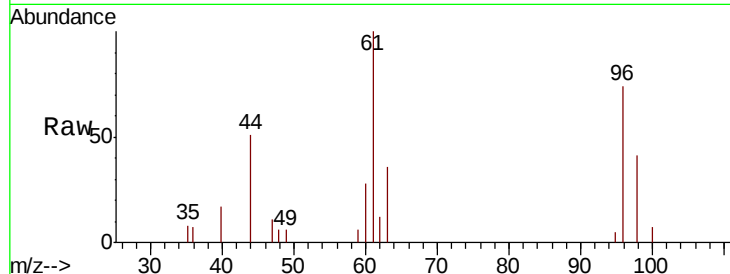




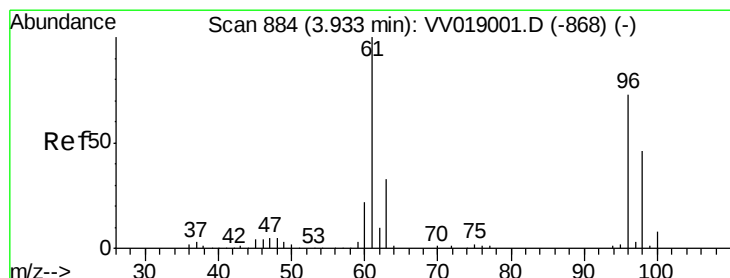
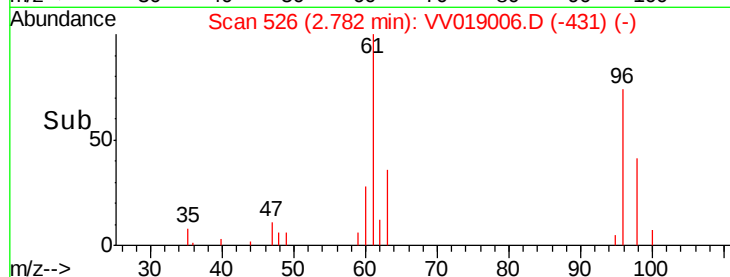
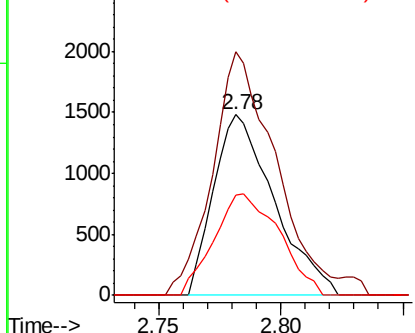
#17
trans-1,2-Dichloroethene
Concen: 1.204 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.01 min
Lab File: VV019006.D
Acq: 20 Oct 2020 12:02

Instrument :
MSVOA_V
ClientSampled :
C0AB2

Tot Ion: 96 Resp: 2559
Ion Ratio Lower Upper
96 100
61 134.8 102.8 190.8
98 55.4 44.0 81.6

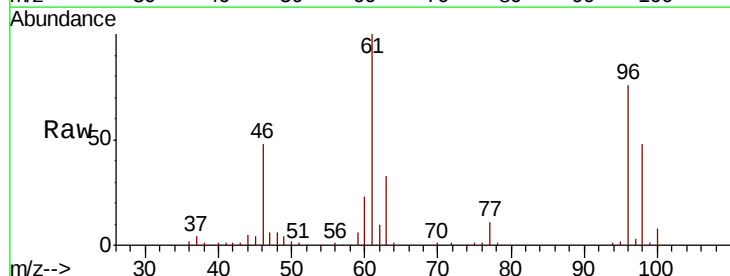


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

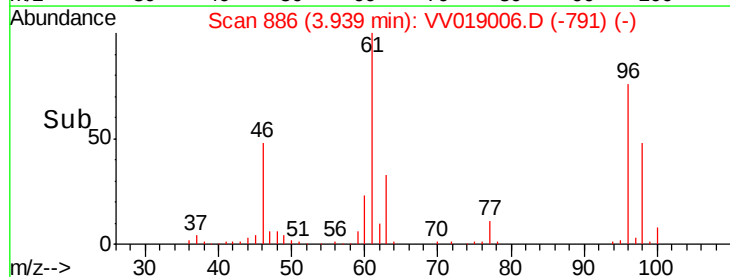
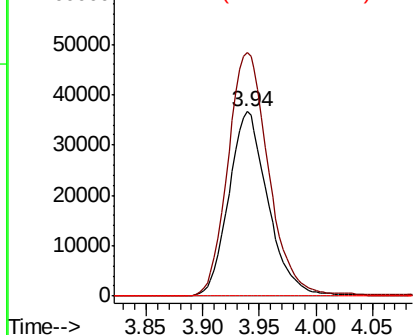


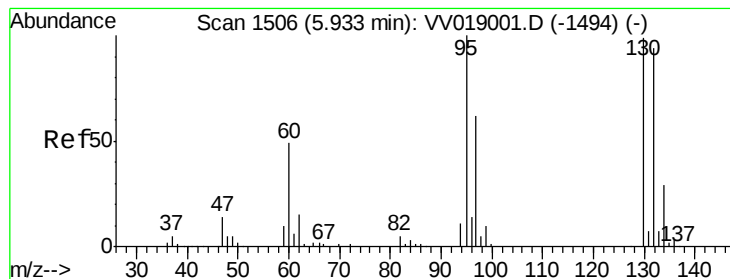
#20
cis-1,2-Dichloroethene
Concen: 39.132 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.01 min
Lab File: VV019006.D
Acq: 20 Oct 2020 12:02

Tgt Ion: 96 Resp: 88121
Ion Ratio Lower Upper
96 100
61 132.1 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: 28.728 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV019006.D

Acq: 20 Oct 2020 12:02

Instrument :

MSVOA_V

ClientSampled :

C0AB2

Tot Ion: 95 Resp: 73546

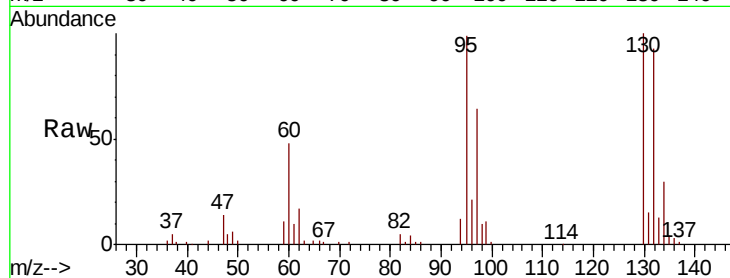
Ion Ratio Lower Upper

95 100

97 64.3 44.7 82.9

132 94.4 67.0 124.4

130 101.2 70.8 131.6

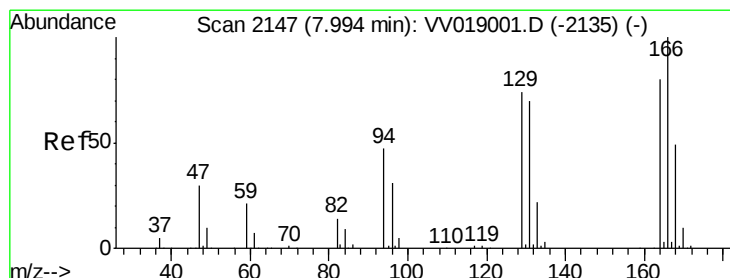
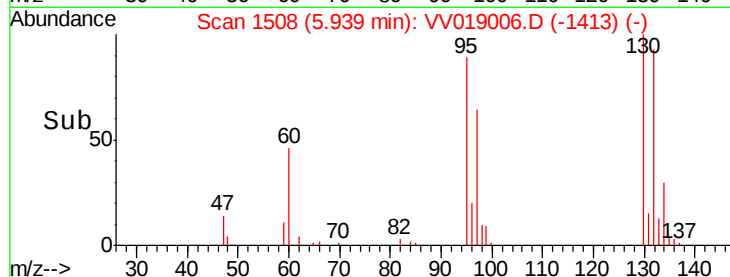
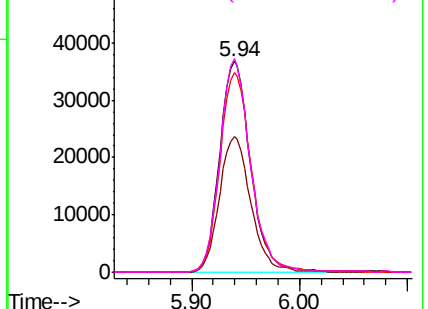


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 37.710 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019006.D

Acq: 20 Oct 2020 12:02

Tgt Ion: 164 Resp: 68039

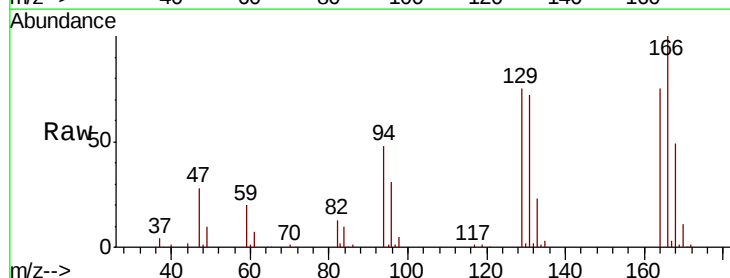
Ion Ratio Lower Upper

164 100

129 100.0 65.0 120.8

131 95.7 62.9 116.7

166 133.6 91.1 169.3



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

