

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102020\
 Data File : VV019019.D
 Acq On : 20 Oct 2020 17:09
 Operator : SY/MD
 Sample : L4430-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB0

Quant Time: Oct 21 07:33:39 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	307488	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	279888	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	132054	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	74752	29.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	59.06%#
7) Chloroethane-d5	1.58	69	75600	37.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.40%
11) 1,1-Dichloroethene-d2	2.12	63	129047	27.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.02%#
21) 2-Butanone-d5	3.91	46	171818	97.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.39%
24) Chloroform-d	4.38	84	182799	40.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.40%
26) 1,2-Dichloroethane-d4	5.06	65	127962	42.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.78%
32) Benzene-d6	5.08	84	354232	43.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.70%
36) 1,2-Dichloropropane-d6	6.09	67	120456	46.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.22%
41) Toluene-d8	7.34	98	274101	37.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.78%#
43) trans-1,3-Dichloropropene-	7.64	79	45924	35.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.92%
47) 2-Hexanone-d5	8.11	63	76653	78.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.99%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	135892	44.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.76%
64) 1,2-Dichlorobenzene-d4	11.65	152	122644	45.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.30%

Target Compounds

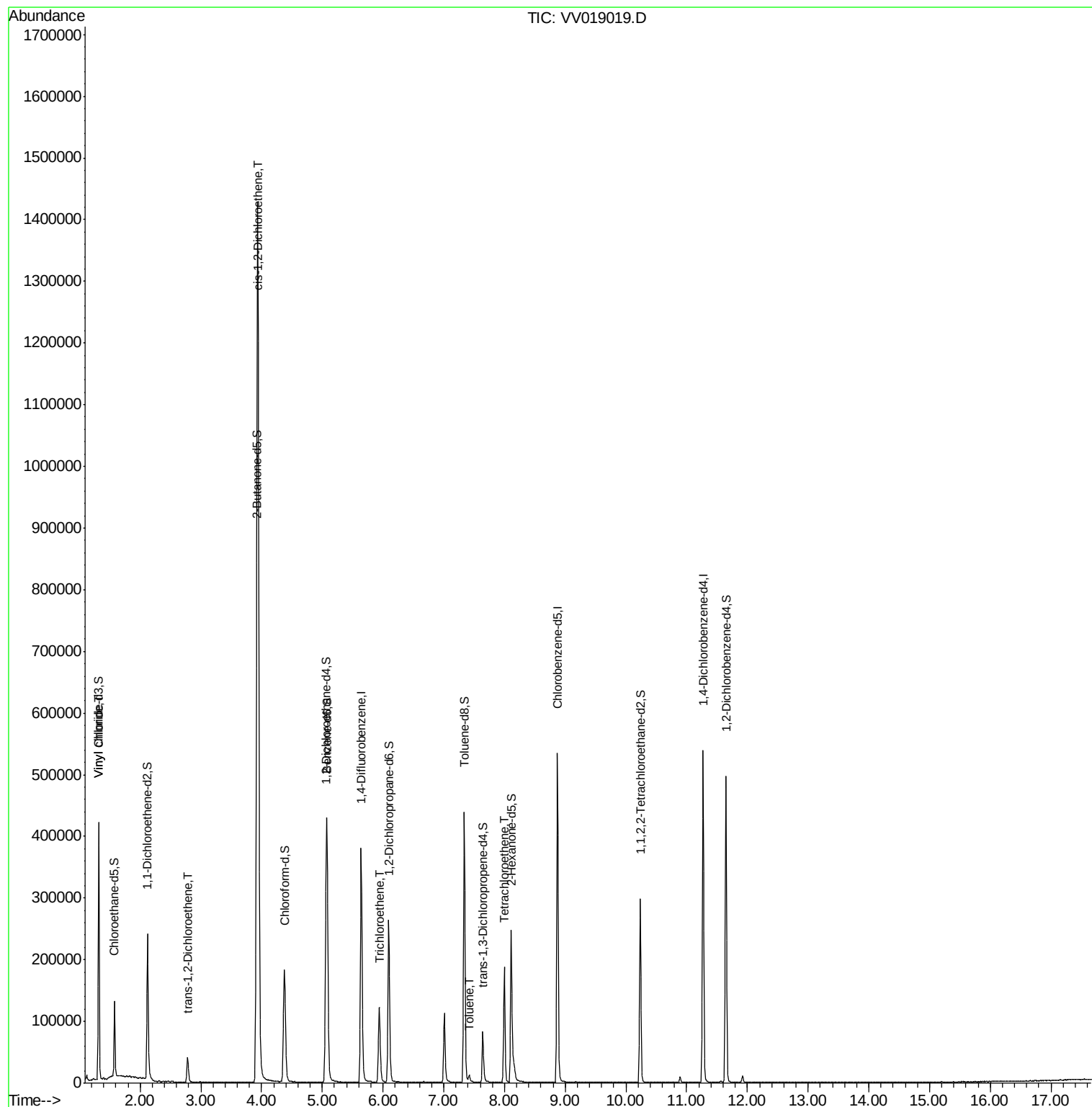
					Ovalue
5) Vinyl chloride	1.32	62	184089	63.429	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	14386	6.411	ug/L 94
20) cis-1,2-Dichloroethene	3.94	96	740503	311.356	ug/L 98
34) Trichloroethene	5.94	95	37070	14.983	ug/L 98
42) Toluene	7.42	91	7567	0.854	ug/L 97
46) Tetrachloroethene	8.00	164	40671	23.325	ug/L 97

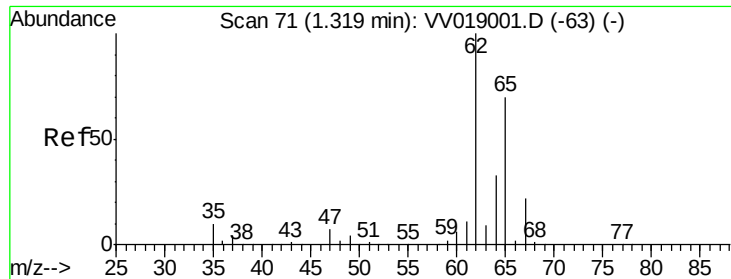
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 63.429 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019019.D

Acq: 20 Oct 2020 17:09

Instrument :

MSVOA_V

ClientSampleId :

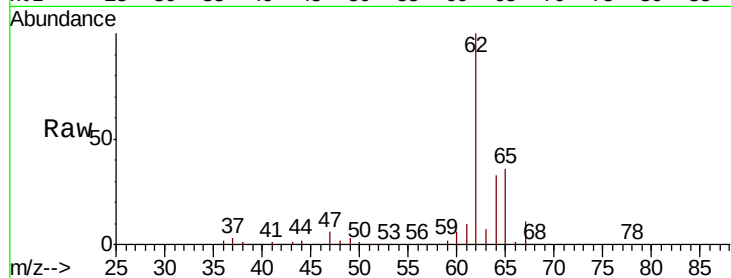
C0AB0

Tot Ion: 62 Resp: 184089

Ion Ratio Lower Upper

62 100

64 32.7 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

200000

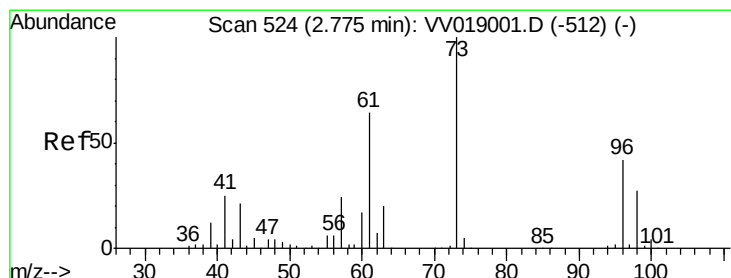
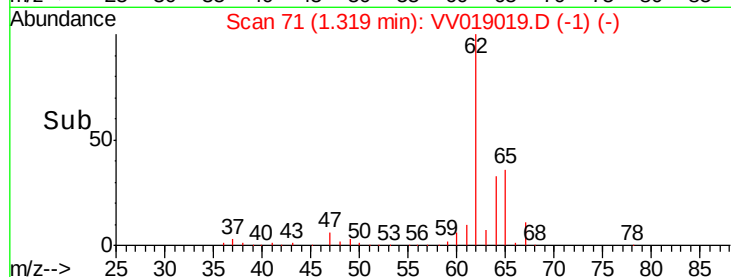
150000

100000

50000

0

Time-->



#17

trans-1,2-Dichloroethene

Concen: 6.411 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV019019.D

Acq: 20 Oct 2020 17:09

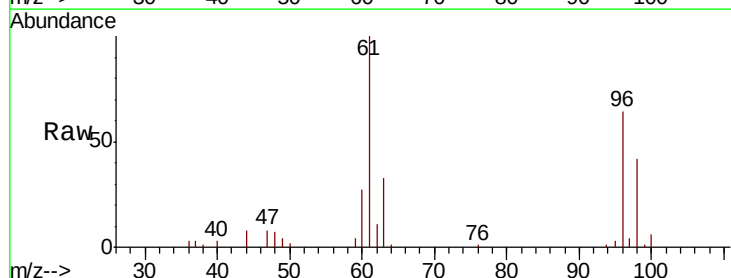
Tgt Ion: 96 Resp: 14386

Ion Ratio Lower Upper

96 100

61 155.5 102.8 190.8

98 65.3 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

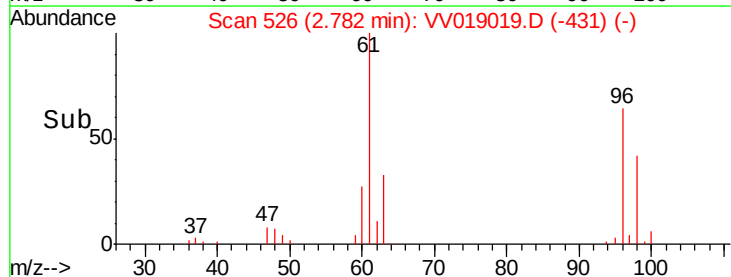
15000

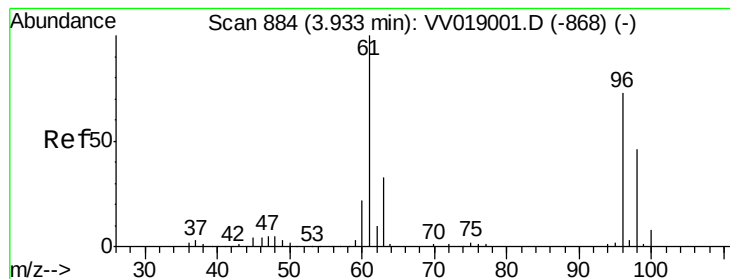
10000

5000

0

Time-->



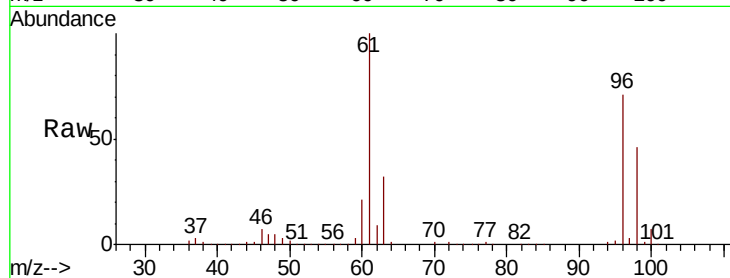


#20

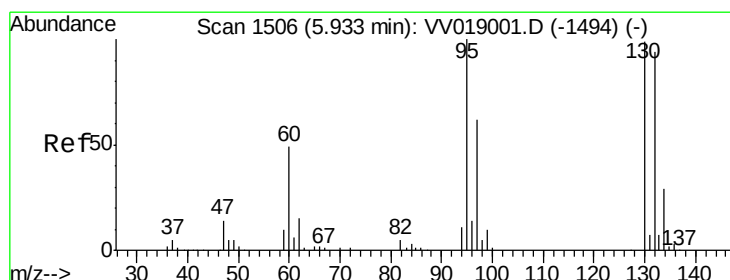
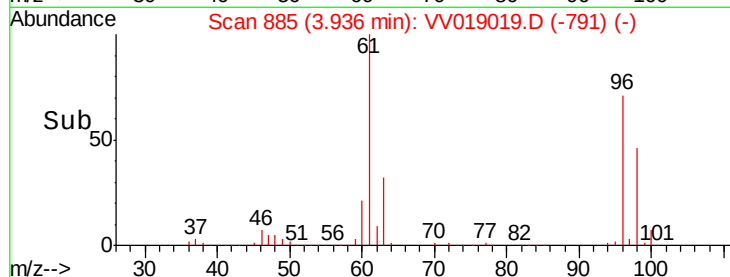
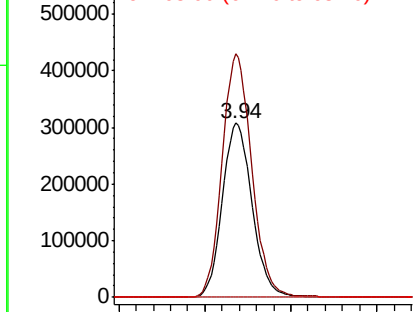
cis-1,2-Dichloroethene
Concen: 311.356 ug/L
RT: 3.94 min Scan# 885
Delta R.T. 0.00 min
Lab File: VV019019.D
Acq: 20 Oct 2020 17:09

Instrument :
MSVOA_V
ClientSampleId :
C0AB0

Tot Ion: 96 Resp: 740503
Ion Ratio Lower Upper
96 100
61 139.9 96.1 178.5
68 0.0 0.0 0.0



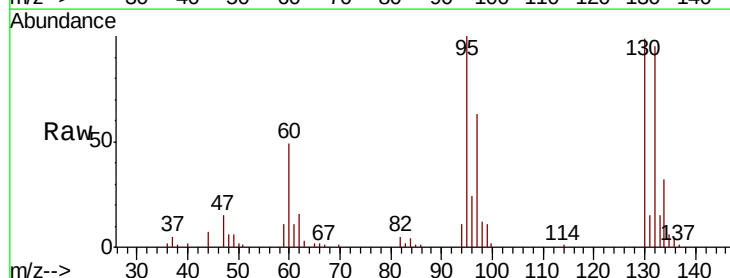
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0



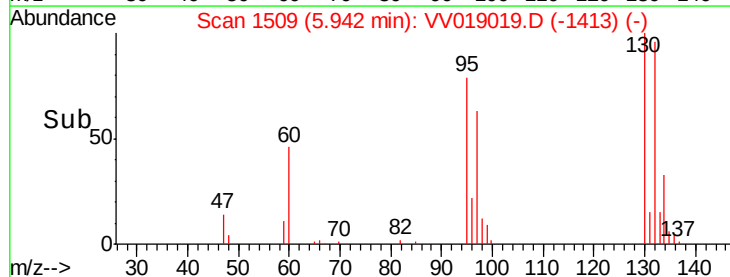
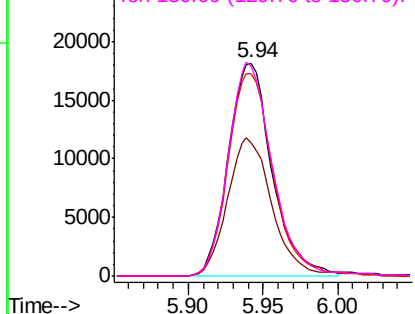
#34

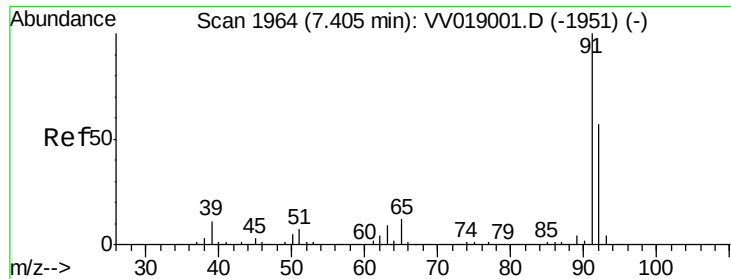
Trichloroethene
Concen: 14.983 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV019019.D
Acq: 20 Oct 2020 17:09

Tgt Ion: 95 Resp: 37070
Ion Ratio Lower Upper
95 100
97 62.6 44.7 82.9
132 94.8 67.0 124.4
130 98.6 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





#42

Toluene

Concen: 0.854 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV019019.D

Acq: 20 Oct 2020 17:09

Instrument :

MSVOA_V

ClientSampleId :

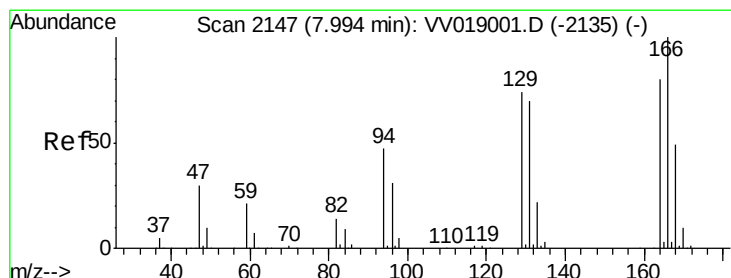
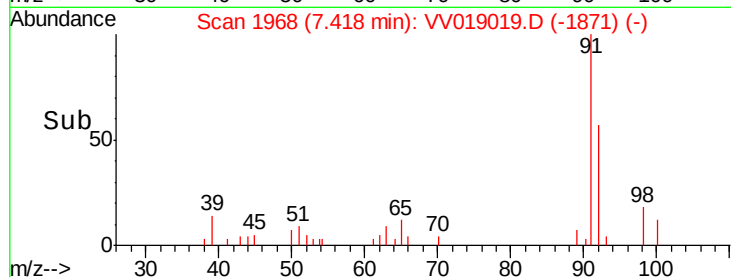
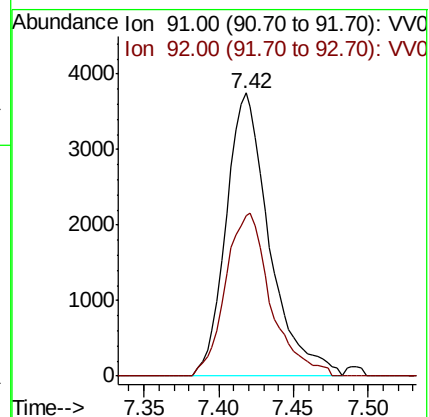
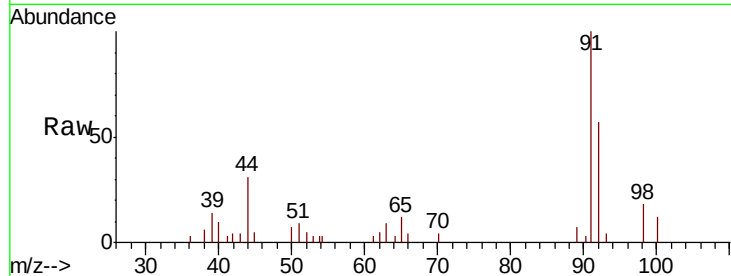
C0AB0

Tot Ion: 91 Resp: 7567

Ion Ratio Lower Upper

91 100

92 56.8 41.2 76.4



#46

Tetrachloroethene

Concen: 23.325 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019019.D

Acq: 20 Oct 2020 17:09

Tgt Ion: 164 Resp: 40671

Ion Ratio Lower Upper

164 100

129 91.6 65.0 120.8

131 85.4 62.9 116.7

166 126.8 91.1 169.3

