

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
 Data File : VV018702.D
 Acq On : 06 Oct 2020 20:48
 Operator : SY/MD
 Sample : L4287-04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AK2

Quant Time: Oct 07 07:52:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 07:22:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	169132	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	155563	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	73572	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	79171	79.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	159.64%#
7) Chloroethane-d5	1.58	69	69173	84.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	168.68%#
11) 1,1-Dichloroethene-d2	2.12	63	134820	66.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	133.42%#
21) 2-Butanone-d5	3.92	46	130766	176.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	176.74%#
24) Chloroform-d	4.38	84	174130	81.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	162.36%#
26) 1,2-Dichloroethane-d4	5.06	65	118767	87.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	174.44%#
32) Benzene-d6	5.08	84	349233	88.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	177.26%#
36) 1,2-Dichloropropane-d6	6.09	67	93271	78.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	156.68%#
41) Toluene-d8	7.34	98	262213	70.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	141.46%#
43) trans-1,3-Dichloropropene-	7.64	79	46244	71.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	143.80%#
47) 2-Hexanone-d5	8.11	63	66937	148.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	148.02%#
57) 1,1,2,2-Tetrachloroethane-	10.24	84	110871	70.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	140.48%#
64) 1,2-Dichlorobenzene-d4	11.65	152	107509	75.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	151.96%#

Target Compounds

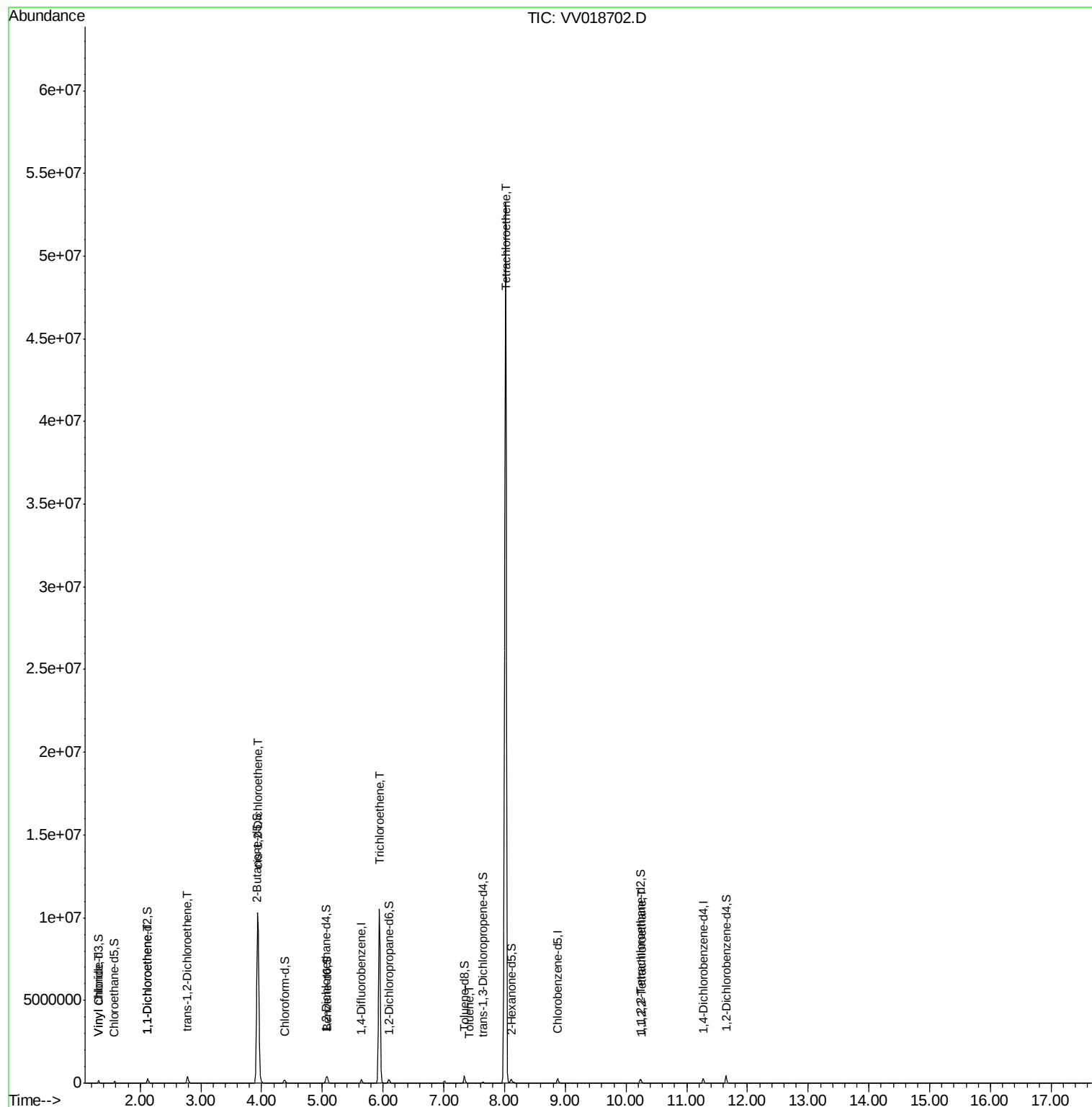
					Ovalue
5) Vinyl chloride	1.32	62	9379	7.249	ug/L 92
12) 1,1-Dichloroethene	2.14	96	21077	19.963	ug/L # 20
17) trans-1,2-Dichloroethene	2.78	96	151014	124.999	ug/L 96
20) cis-1,2-Dichloroethene	3.94	96	5723115	4457.463	ug/L 92
34) Trichloroethene	5.94	95	3549728	2675.380	ug/L 94
42) Toluene	7.42	91	4577	0.926	ug/L 97
46) Tetrachloroethene	8.02	164	11932438	11085.339	ug/L 87
58) 1,1,2,2-Tetrachloroethane	10.26	83	8251	5.043	ug/L # 95

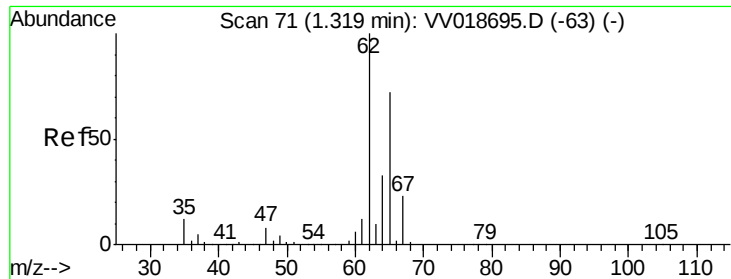
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 07 07:22:30 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 7.249 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018702.D

Acq: 06 Oct 2020 20:48

Instrument :

MSVOA_V

ClientSampled :

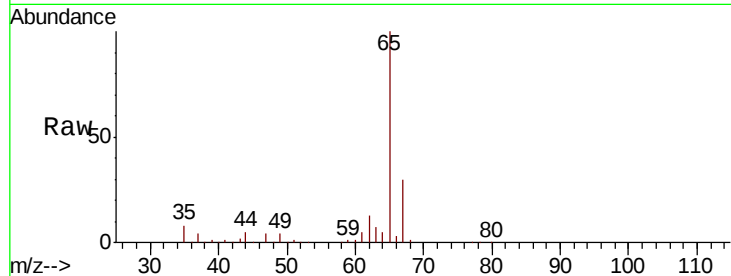
C0AK2

Tot Ion: 62 Resp: 9379

Ion Ratio Lower Upper

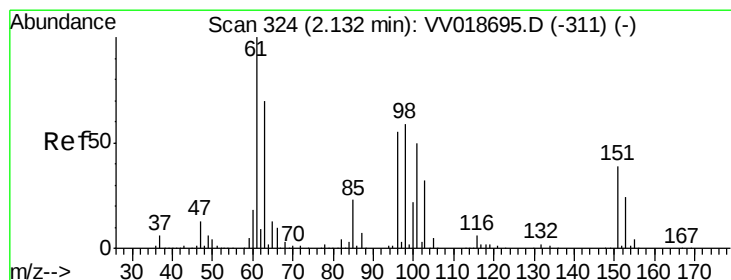
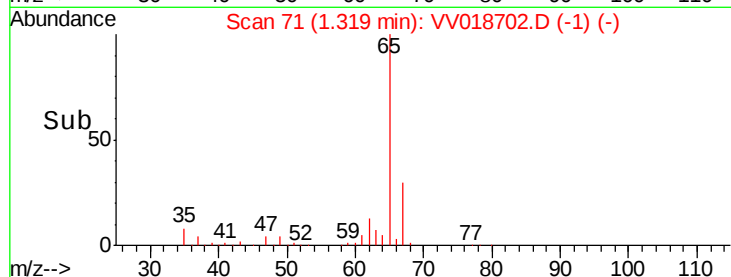
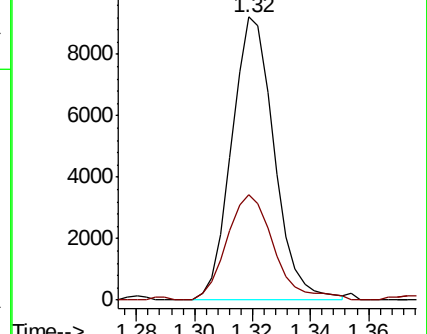
62 100

64 37.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#12

1,1-Dichloroethene

Concen: 19.963 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV018702.D

Acq: 06 Oct 2020 20:48

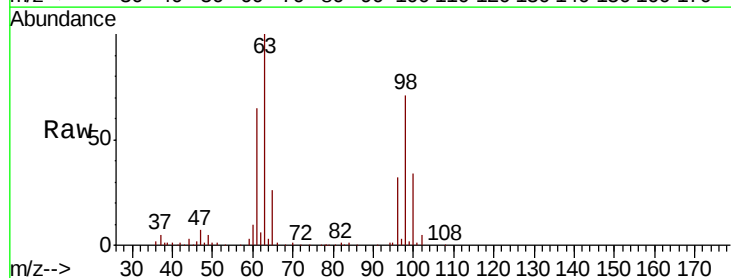
Tgt Ion: 96 Resp: 21077

Ion Ratio Lower Upper

96 100

61 205.7 122.8 228.1

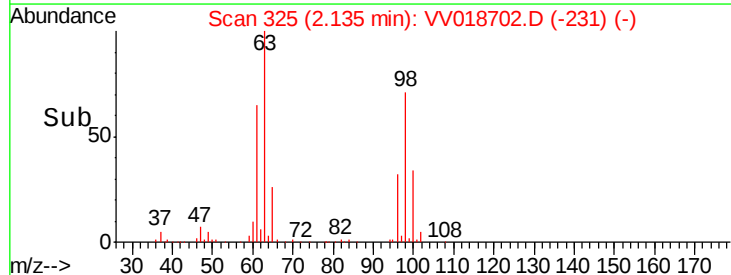
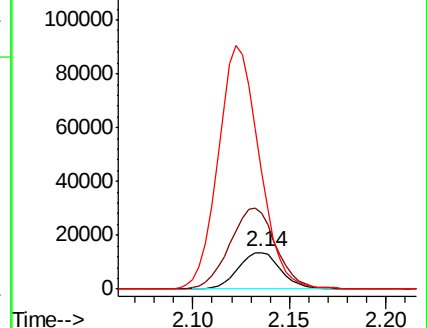
63 315.7 91.9 170.7#

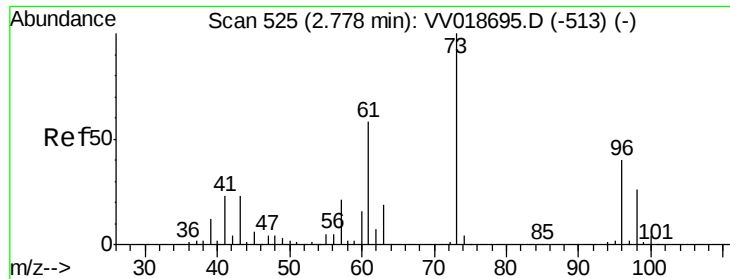


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

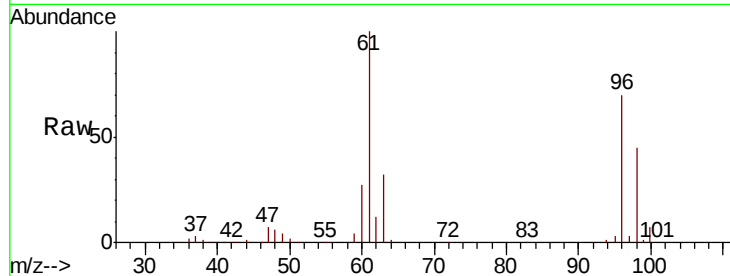




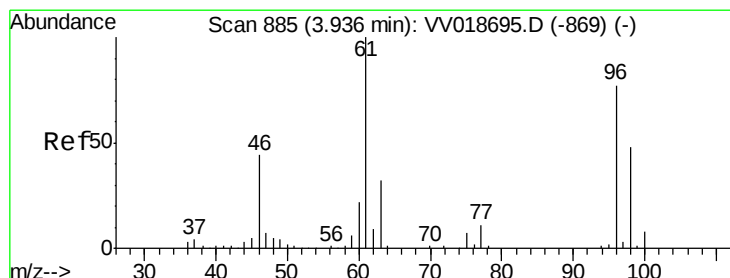
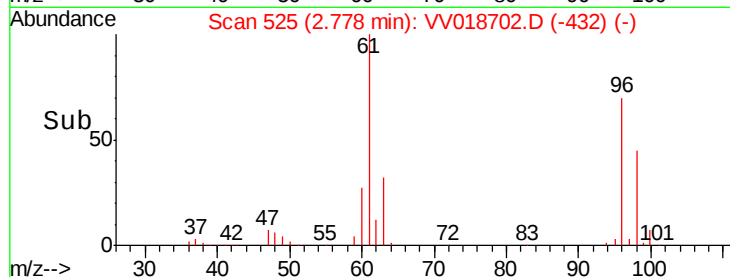
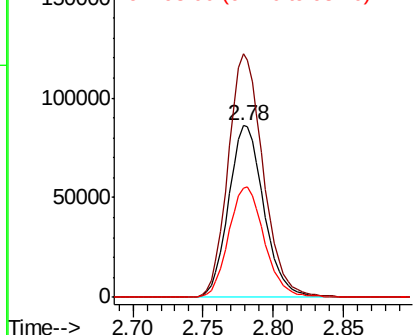
#17
trans-1,2-Dichloroethene
Concen: 124.999 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV018702.D
Acq: 06 Oct 2020 20:48

Instrument :
MSVOA_V
ClientSampleId :
C0AK2

Tot Ion: 96 Resp: 151014
Ion Ratio Lower Upper
96 100
61 142.1 95.0 176.4
98 64.0 44.6 82.8

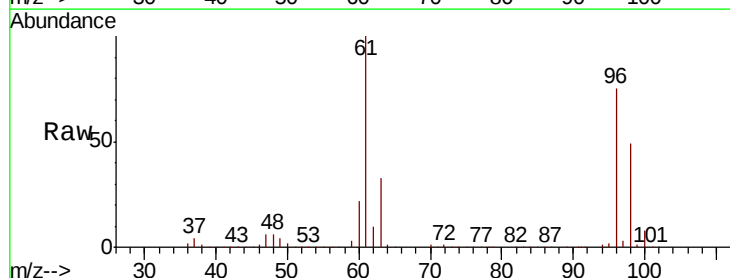


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

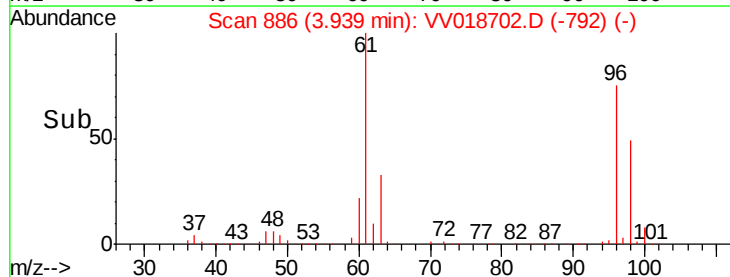
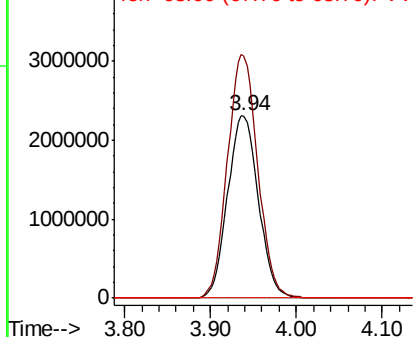


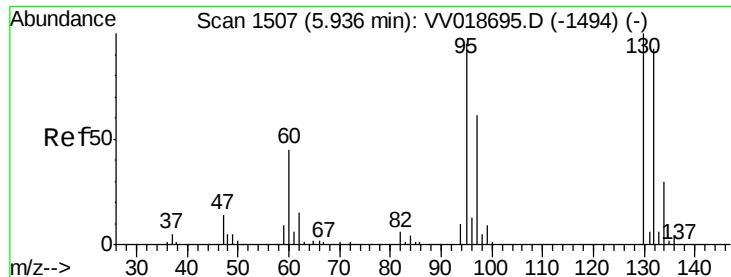
#20
cis-1,2-Dichloroethene
Concen: 4457.463 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV018702.D
Acq: 06 Oct 2020 20:48

Tgt Ion: 96 Resp: 5723115
Ion Ratio Lower Upper
96 100
61 132.7 86.8 161.2
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: 2675.380 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018702.D

Acq: 06 Oct 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

C0AK2

Tot Ion: 95 Resp: 3549728

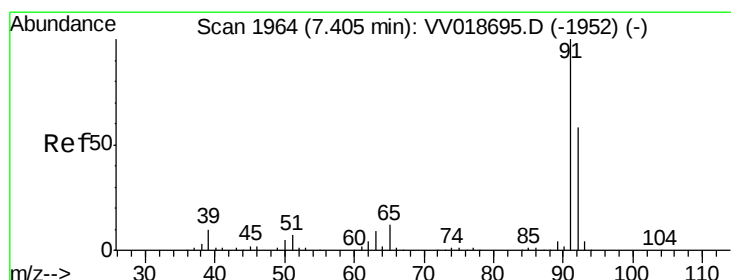
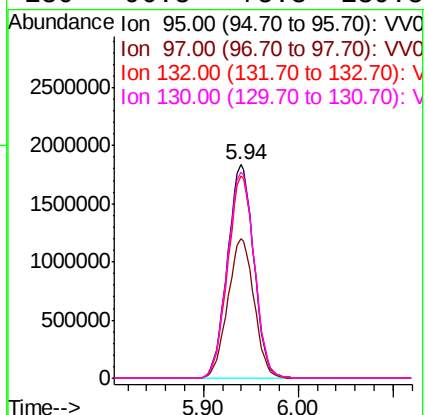
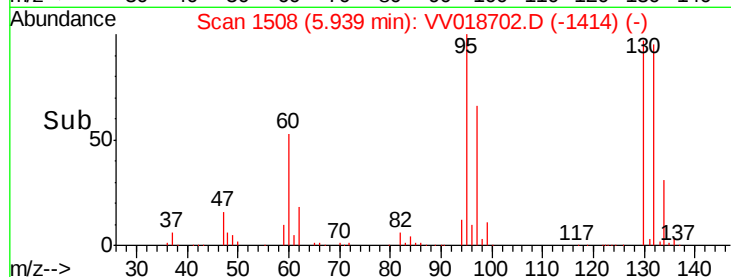
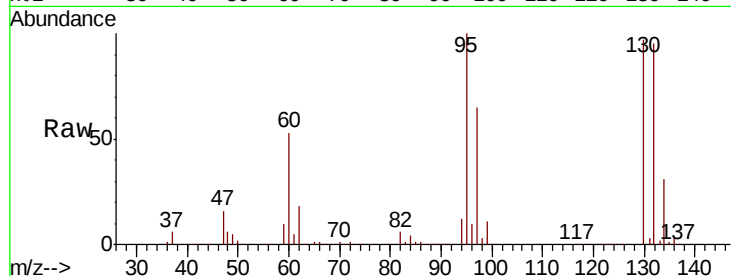
Ion Ratio Lower Upper

95 100

97 65.4 45.9 85.3

132 95.0 70.8 131.4

130 96.8 75.3 139.8



#42

Toluene

Concen: 0.926 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV018702.D

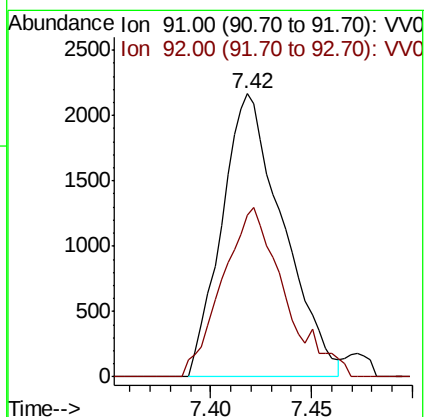
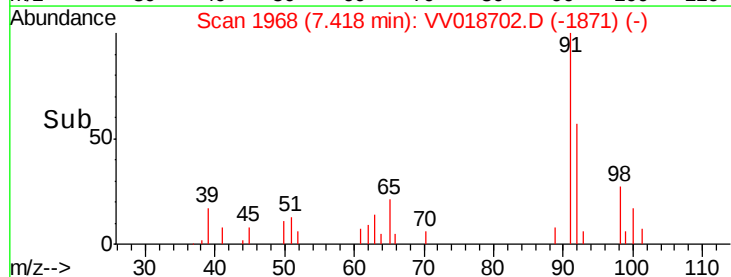
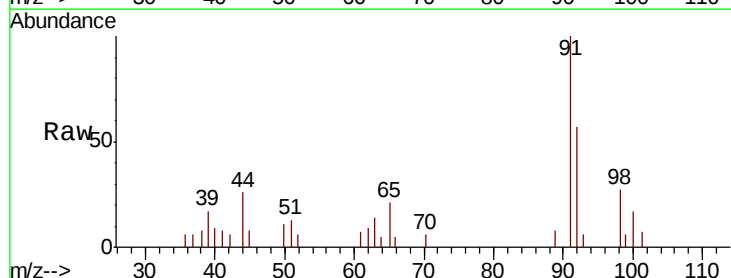
Acq: 06 Oct 2020 20:48

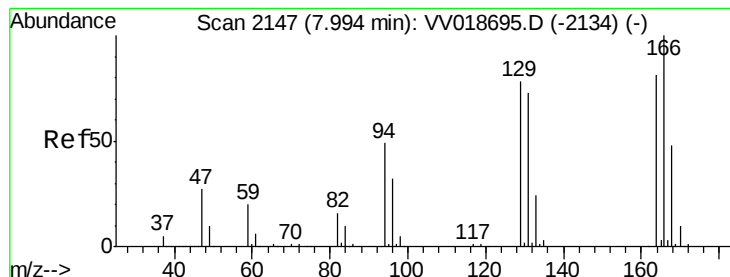
Tgt Ion: 91 Resp: 4577

Ion Ratio Lower Upper

91 100

92 57.3 41.6 77.3





#46

Tetrachloroethene

Concen: 11085.339 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.03 min

Lab File: VV018702.D

Acq: 06 Oct 2020 20:48

Instrument :

MSVOA_V

ClientSampled :

C0AK2

Tot Ion:164 Resp:11932438

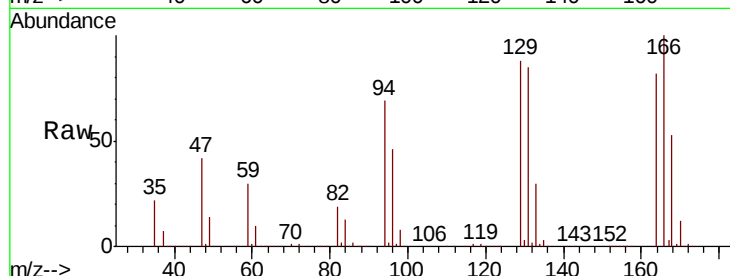
Ion Ratio Lower Upper

164 100

129 106.9 62.8 116.6

131 104.0 60.8 112.8

166 122.0 88.9 165.1



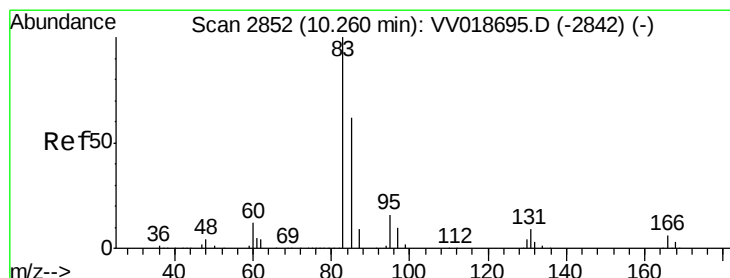
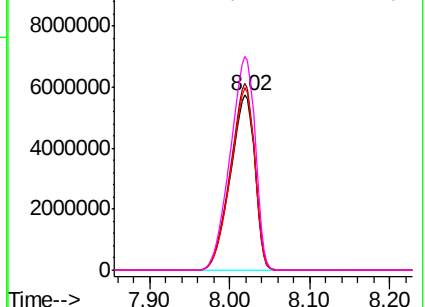
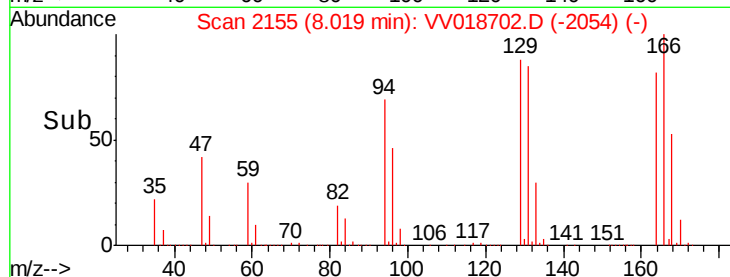
Abundance

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



#58

1,1,2,2-Tetrachloroethane

Concen: 5.043 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018702.D

Acq: 06 Oct 2020 20:48

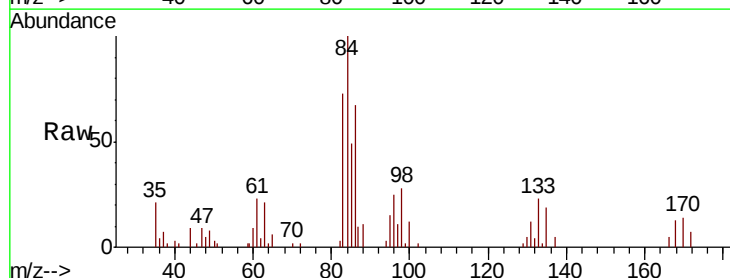
Tgt Ion: 83 Resp: 8251

Ion Ratio Lower Upper

83 100

85 66.8 44.5 82.7

131 15.7 8.6 12.8#



Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

