

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101020\
 Data File : VV018838.D
 Acq On : 10 Oct 2020 17:24
 Operator : SY/MD
 Sample : L4351-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AC3

Quant Time: Oct 12 05:57:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 12 04:43:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	298669	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	285321	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	143730	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88062	32.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.90%
7) Chloroethane-d5	1.58	69	82925	37.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.92%
11) 1,1-Dichloroethene-d2	2.12	63	143645	27.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.92%#
21) 2-Butanone-d5	3.91	46	179057	107.46	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.46%
24) Chloroform-d	4.37	84	194129	40.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.10%
26) 1,2-Dichloroethane-d4	5.05	65	139756	43.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.12%
32) Benzene-d6	5.07	84	363000	39.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.06%
36) 1,2-Dichloropropane-d6	6.09	67	139155	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.96%
41) Toluene-d8	7.34	98	315140	38.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.32%#
43) trans-1,3-Dichloropropene-	7.64	79	58691	40.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.20%
47) 2-Hexanone-d5	8.11	63	105163	100.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.21%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	154189	44.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.54%
64) 1,2-Dichlorobenzene-d4	11.65	152	149136	46.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.76%

Target Compounds

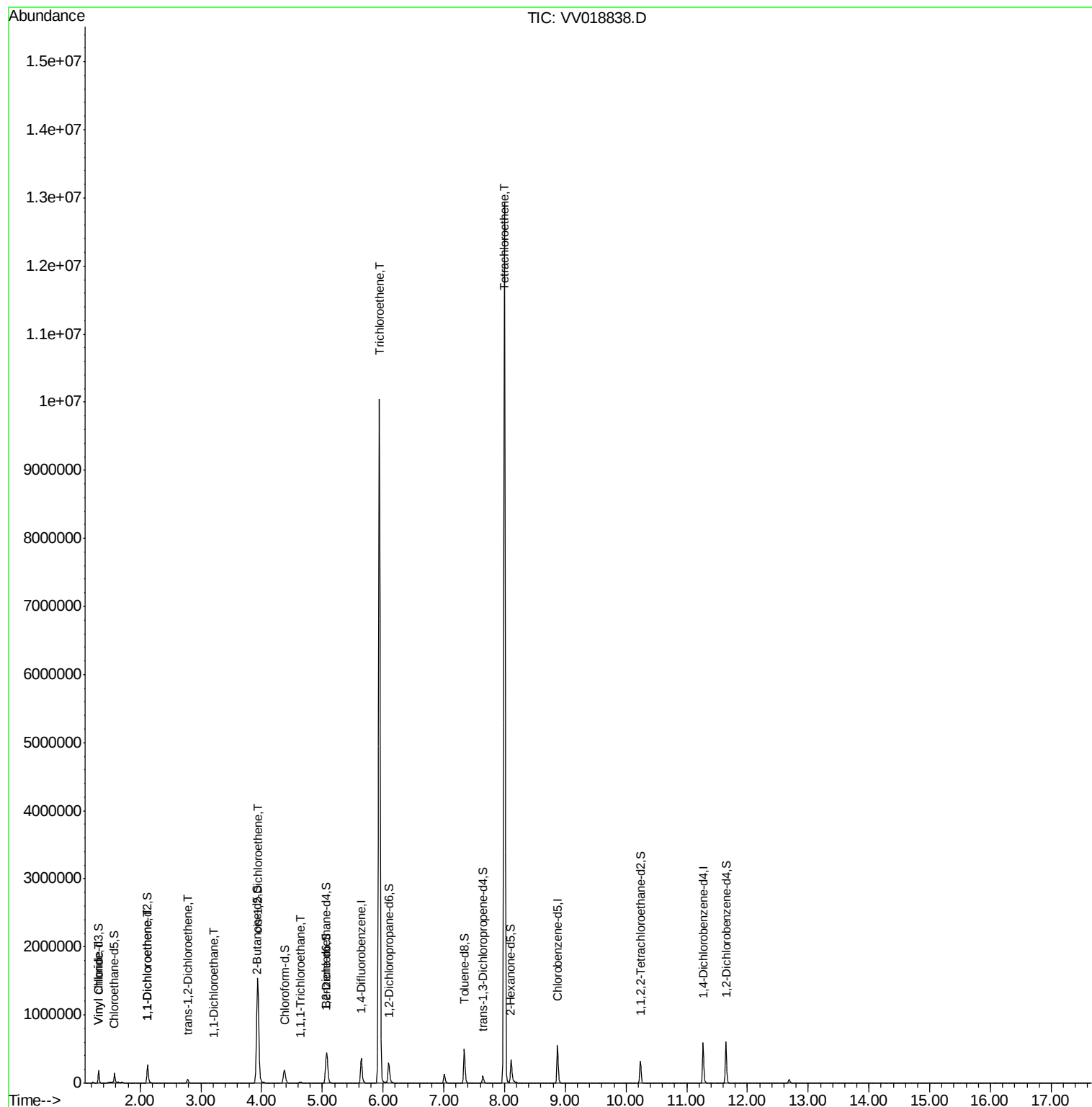
					Ovalue
5) Vinyl chloride	1.32	62	31597	11.982	ug/L 98
12) 1,1-Dichloroethene	2.13	96	8509	4.116	ug/L # 1
17) trans-1,2-Dichloroethene	2.78	96	20370	9.336	ug/L 93
19) 1,1-Dichloroethane	3.22	63	6060	1.415	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	800147	346.992	ug/L 99
30) 1,1,1-Trichloroethane	4.64	97	12255	3.223	ug/L 95
34) Trichloroethene	5.94	95	3366417	1292.173	ug/L 99
46) Tetrachloroethene	8.00	164	2746452	1438.447	ug/L 99

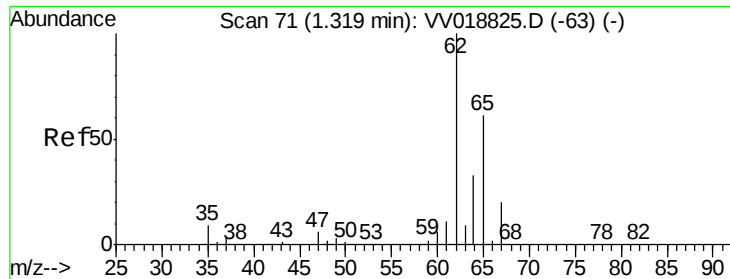
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 11.982 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018838.D

Acq: 10 Oct 2020 17:24

Instrument :

MSVOA_V

ClientSampleId :

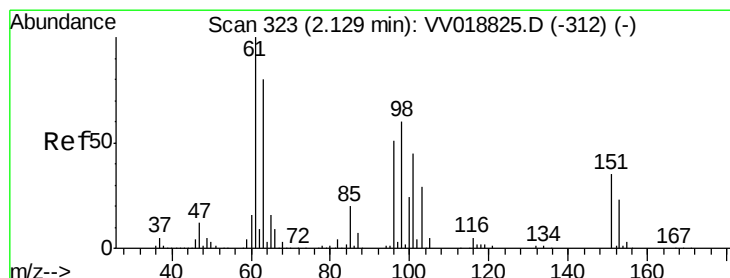
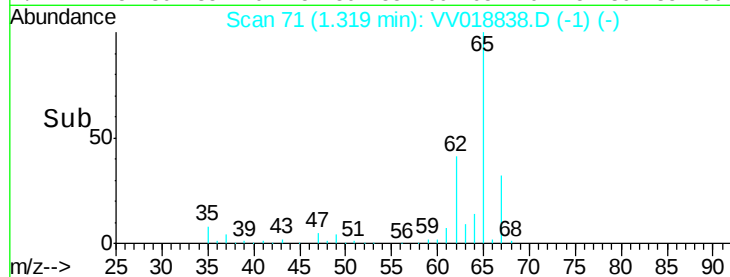
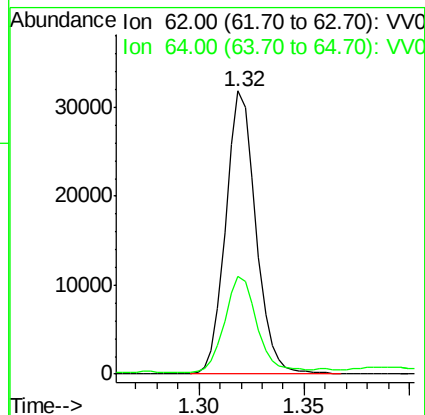
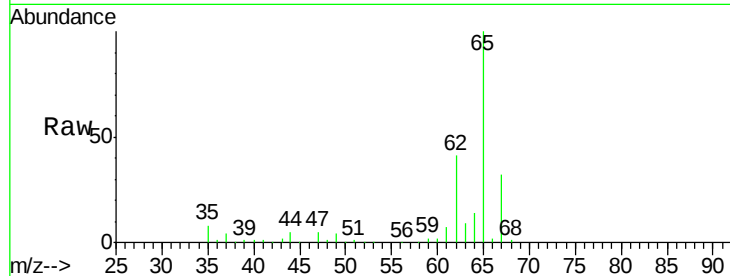
C0AC3

Tot Ion: 62 Resp: 31597

Ion Ratio Lower Upper

62 100

64 34.3 23.2 43.0



#12

1,1-Dichloroethene

Concen: 4.116 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018838.D

Acq: 10 Oct 2020 17:24

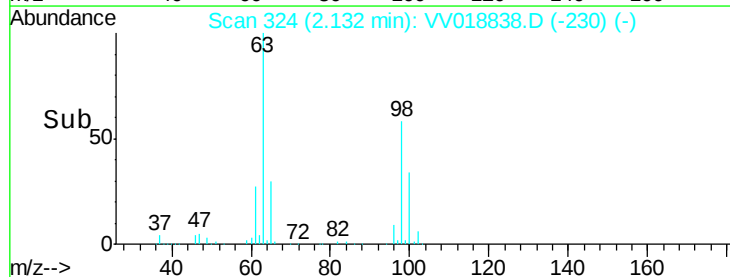
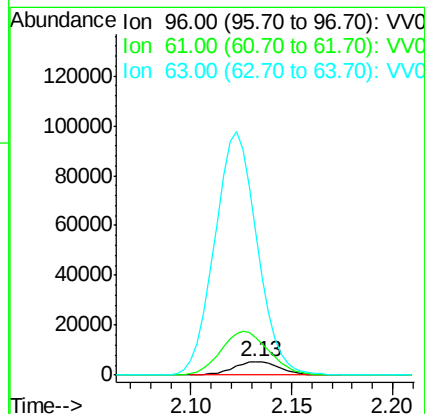
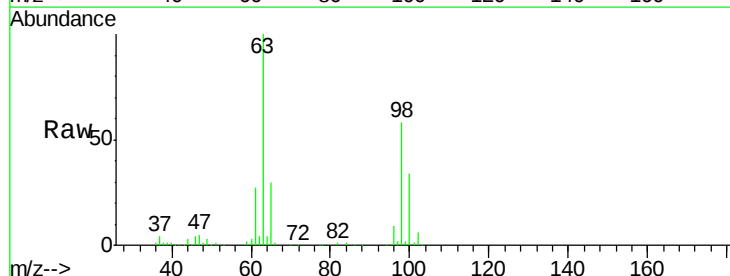
Tgt Ion: 96 Resp: 8509

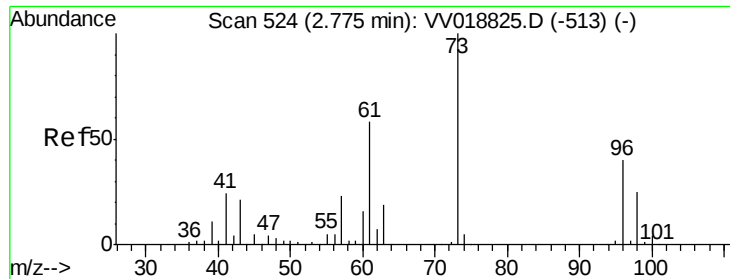
Ion Ratio Lower Upper

96 100

61 284.2 133.6 248.0#

63 1065.0 108.4 201.4#

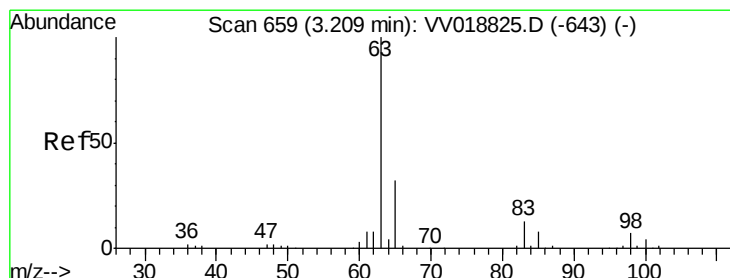
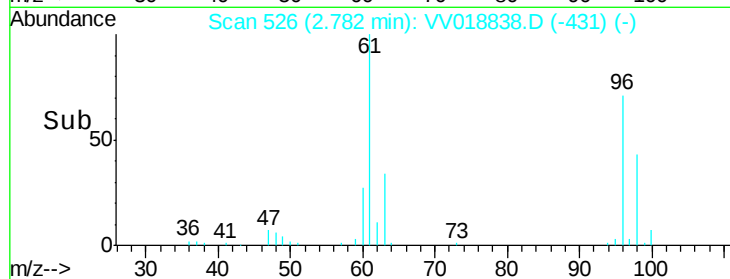
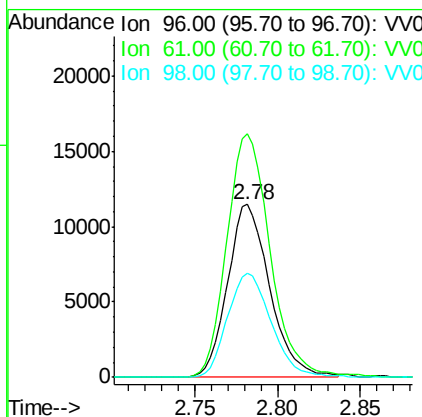
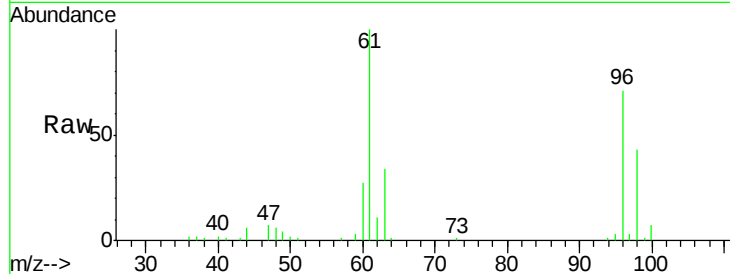




#17
trans-1,2-Dichloroethene
Concen: 9.336 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.01 min
Lab File: VV018838.D
Acq: 10 Oct 2020 17:24

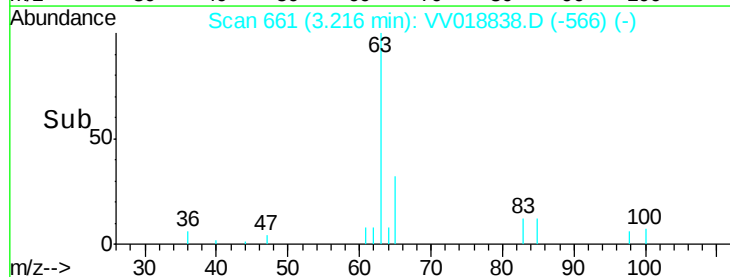
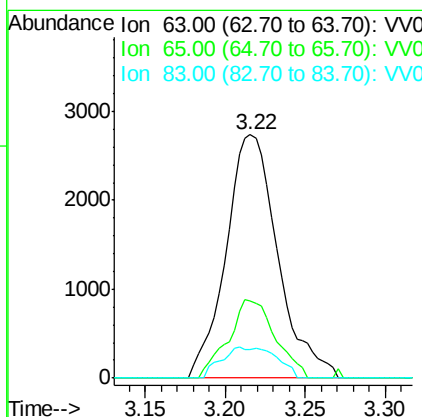
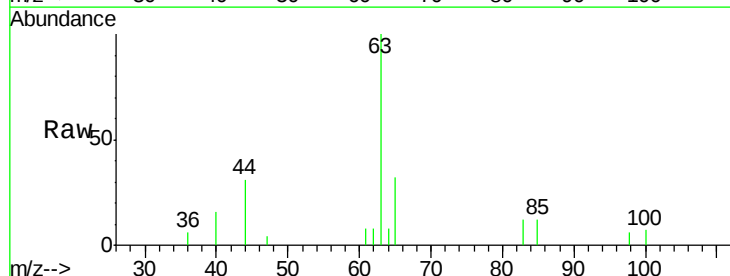
Instrument :
MSVOA_V
ClientSampled :
C0AC3

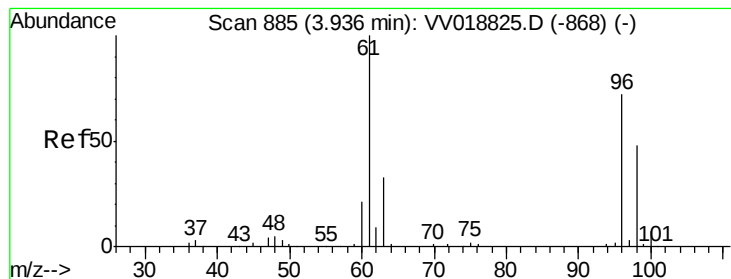
Tot Ion: 96 Resp: 20370
Ion Ratio Lower Upper
96 100
61 141.0 105.7 196.3
98 60.5 44.7 83.1



#19
1,1-Dichloroethane
Concen: 1.415 ug/L
RT: 3.22 min Scan# 661
Delta R.T. 0.01 min
Lab File: VV018838.D
Acq: 10 Oct 2020 17:24

Tgt Ion: 63 Resp: 6060
Ion Ratio Lower Upper
63 100
65 31.7 22.0 40.8
83 11.6 9.2 17.0





#20

cis-1,2-Dichloroethene

Concen: 346.992 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV018838.D

Acq: 10 Oct 2020 17:24

Instrument :

MSVOA_V

ClientSampled :

C0AC3

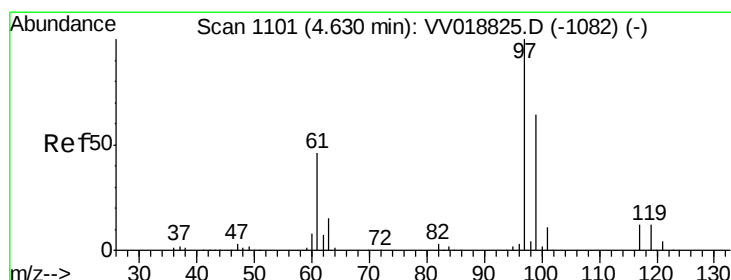
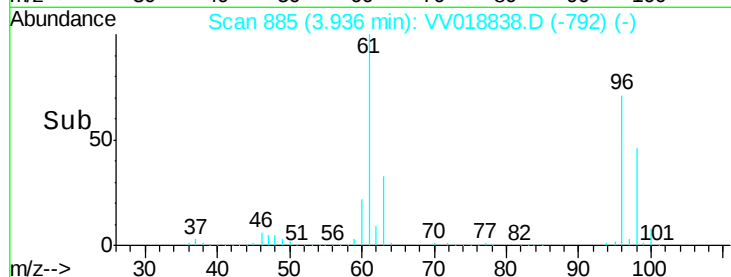
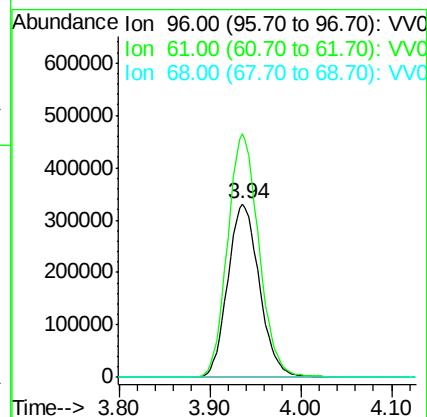
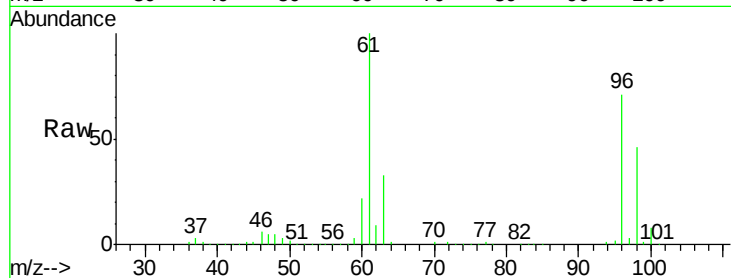
Tot Ion: 96 Resp: 800147

Ion Ratio Lower Upper

96 100

61 140.4 97.3 180.7

68 0.0 0.0 0.0



#30

1,1,1-Trichloroethane

Concen: 3.223 ug/L

RT: 4.64 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VV018838.D

Acq: 10 Oct 2020 17:24

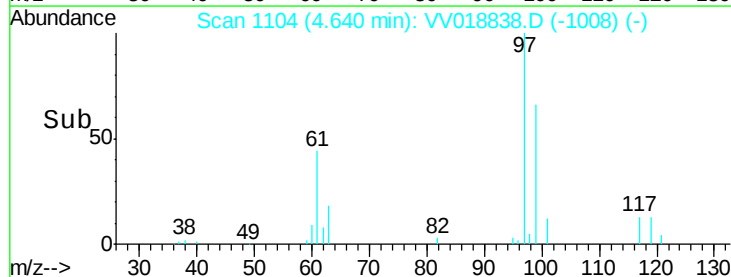
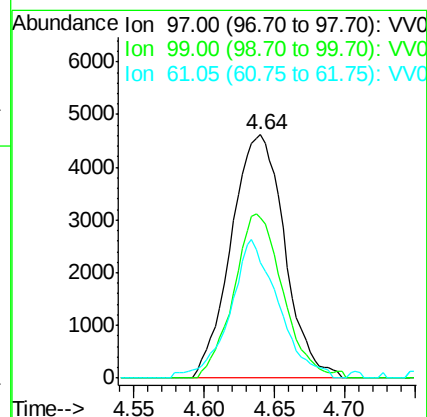
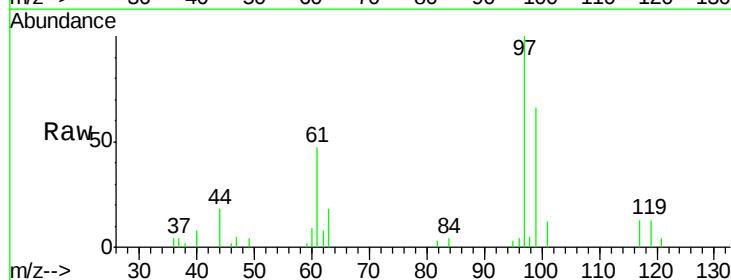
Tgt Ion: 97 Resp: 12255

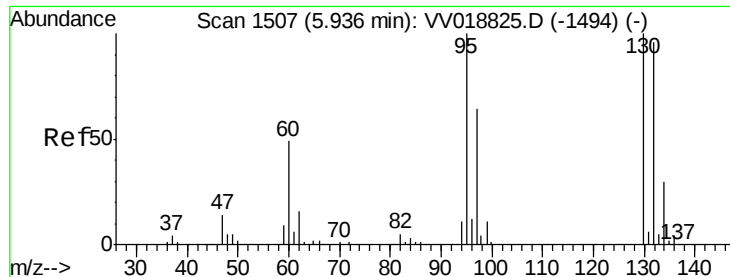
Ion Ratio Lower Upper

97 100

99 61.4 51.0 76.4

61 51.1 37.0 55.4



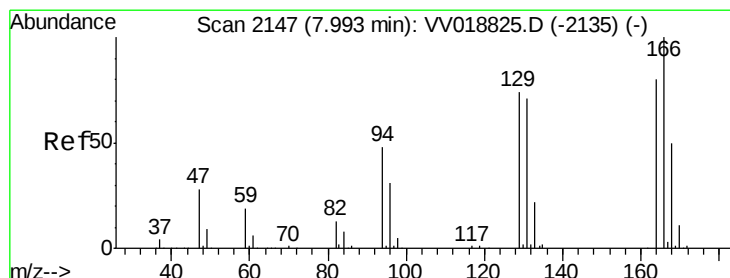
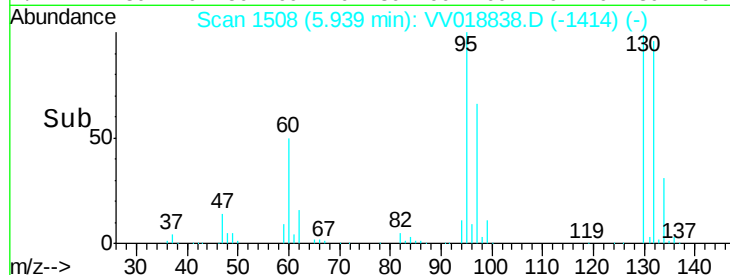
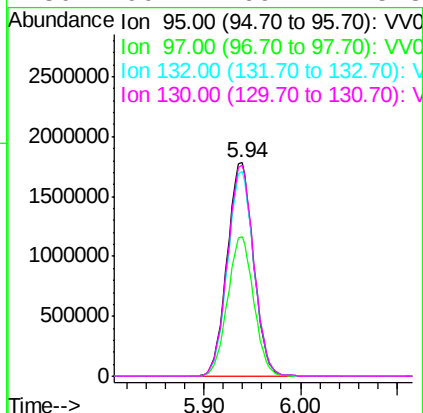
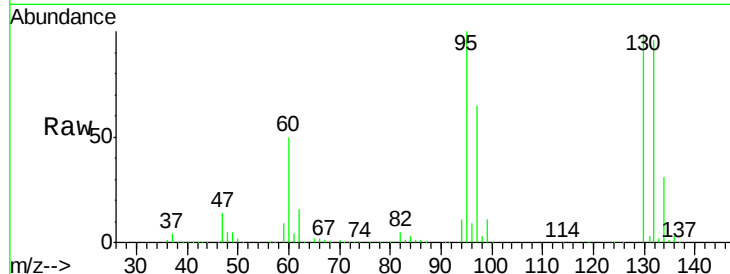


#34
 Trichloroethene
 Concen: 1292.173 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV018838.D
 Acq: 10 Oct 2020 17:24

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AC3

Tot Ion: 95 Resp: 3366417

Ion	Ratio	Lower	Upper
95	100		
97	65.5	45.1	83.9
132	95.7	66.2	123.0
130	99.1	69.1	128.3



#46
 Tetrachloroethene
 Concen: 1438.447 ug/L
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.01 min
 Lab File: VV018838.D
 Acq: 10 Oct 2020 17:24

Tgt Ion: 164 Resp: 2746452

Ion	Ratio	Lower	Upper
164	100		
129	92.9	64.6	120.0
131	90.2	63.6	118.0
166	128.2	88.3	164.1

