

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101320\
 Data File : VV018885.D
 Acq On : 13 Oct 2020 18:36
 Operator : SY/MD
 Sample : L4351-04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AJ1

Quant Time: Oct 14 01:37:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 14 01:28:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	338138	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	339071	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	157502	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	117060	38.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.20%
7) Chloroethane-d5	1.58	69	95596	38.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.32%
11) 1,1-Dichloroethene-d2	2.12	63	183176	30.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.84%
21) 2-Butanone-d5	3.91	46	183713	97.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.38%
24) Chloroform-d	4.38	84	229115	42.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.54%
26) 1,2-Dichloroethane-d4	5.06	65	158503	43.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.28%
32) Benzene-d6	5.07	84	451834	41.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.82%
36) 1,2-Dichloropropane-d6	6.09	67	151185	42.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.98%
41) Toluene-d8	7.34	98	398102	41.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	7.64	79	68325	39.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.58%
47) 2-Hexanone-d5	8.11	63	116389	93.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.33%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	173900	42.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.98%
64) 1,2-Dichlorobenzene-d4	11.65	152	161155	46.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.46%

Target Compounds

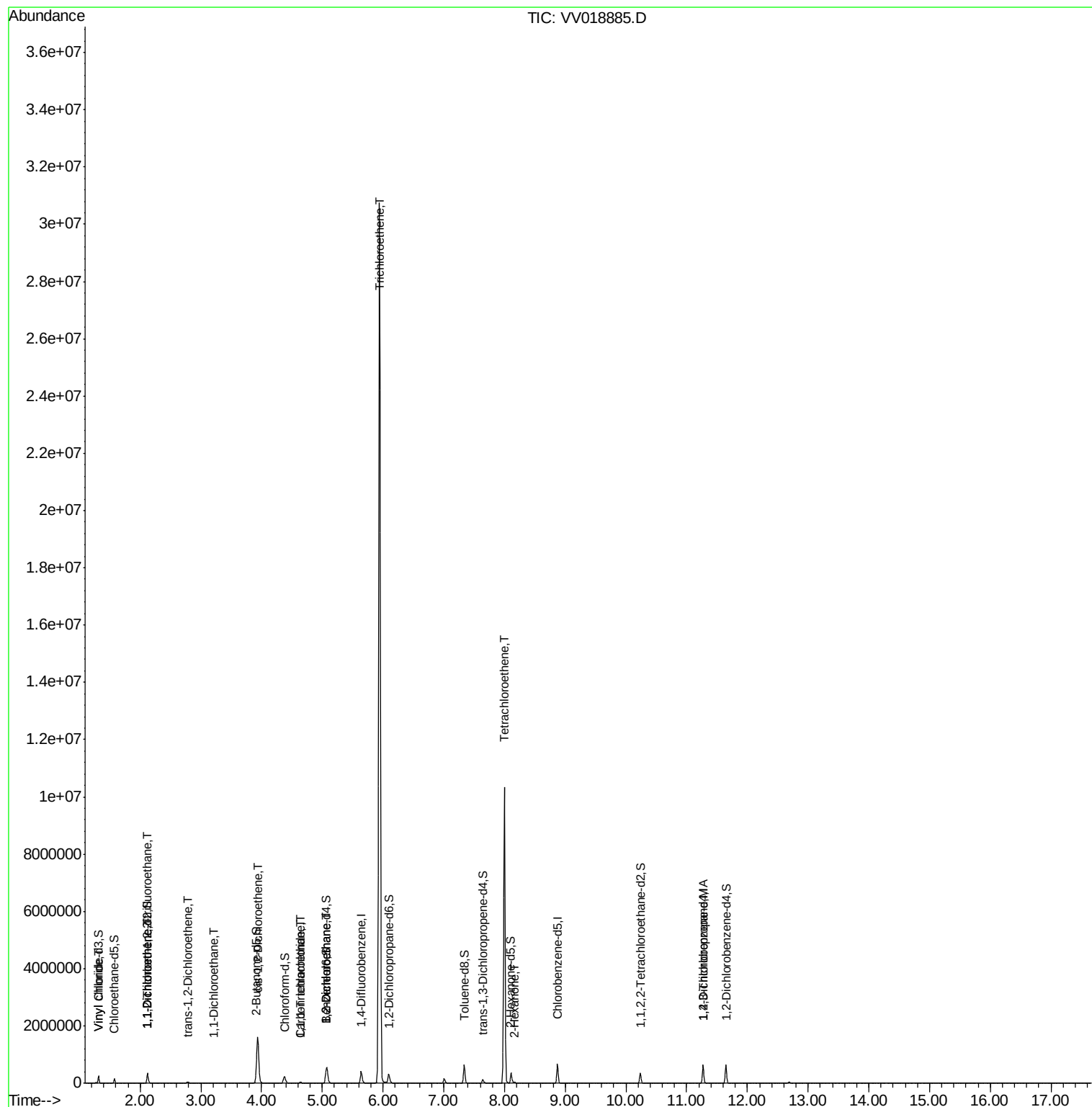
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	37457	12.546	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1623	0.668	ug/L #	19
12) 1,1-Dichloroethene	2.13	96	13642	5.829	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	16577	6.711	ug/L	97
19) 1,1-Dichloroethane	3.22	63	12434	2.565	ug/L	93
20) cis-1,2-Dichloroethene	3.94	96	840678	322.014	ug/L	100
27) 1,2-Dichloroethane	5.07	62	3075	0.760	ug/L	97
30) 1,1,1-Trichloroethane	4.64	97	24198	5.355	ug/L	98
31) Carbon tetrachloride	4.63	117	3255	0.855	ug/L	100
34) Trichloroethene	5.94	95	10522933	3398.856	ug/L	98
46) Tetrachloroethene	8.00	164	2244708	989.293	ug/L	98
48) 2-Hexanone	8.16	43	11925	3.934	ug/L #	81
59) 1,2,3-Trichloropropane	11.27	75	18853	5.362	ug/L #	86

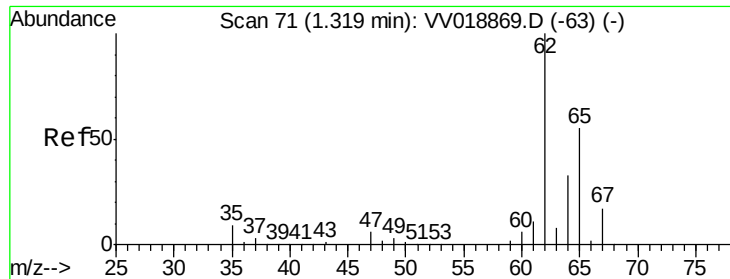
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 12.546 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018885.D

Acq: 13 Oct 2020 18:36

Instrument :

MSVOA_V

ClientSampleId :

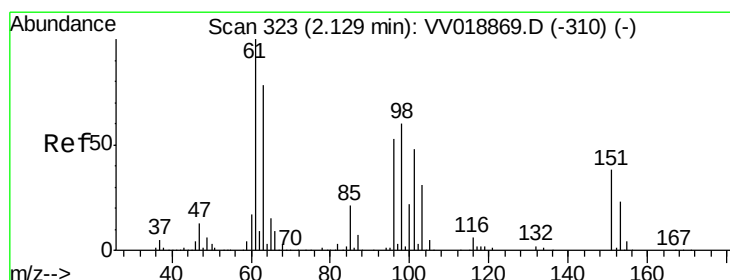
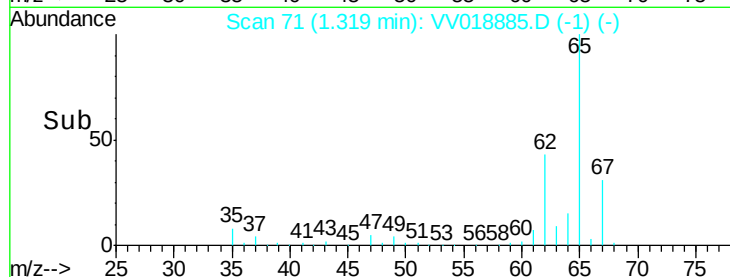
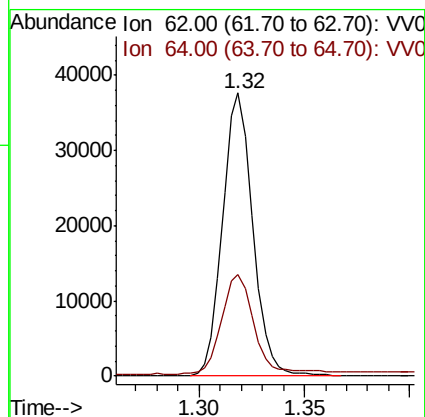
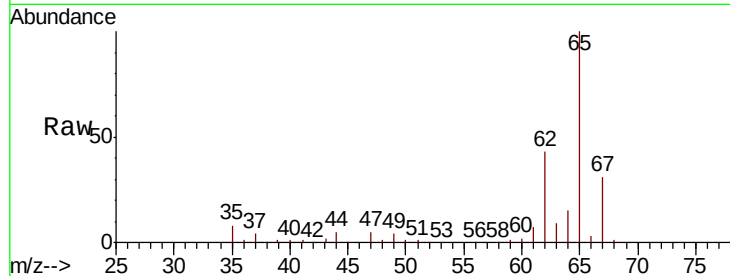
C0AJ1

Tot Ion: 62 Resp: 37457

Ion Ratio Lower Upper

62 100

64 36.0 23.2 43.0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.668 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018885.D

Acq: 13 Oct 2020 18:36

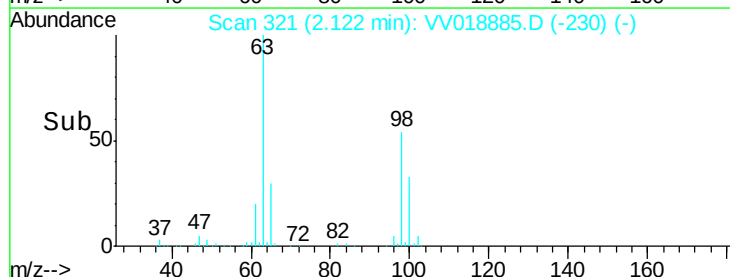
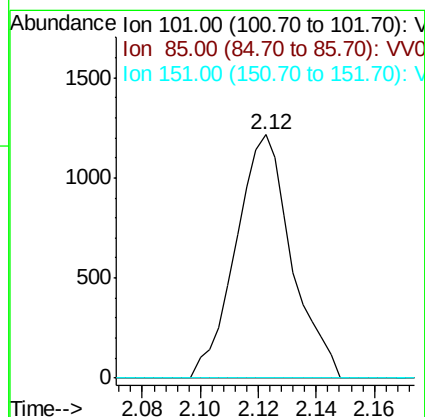
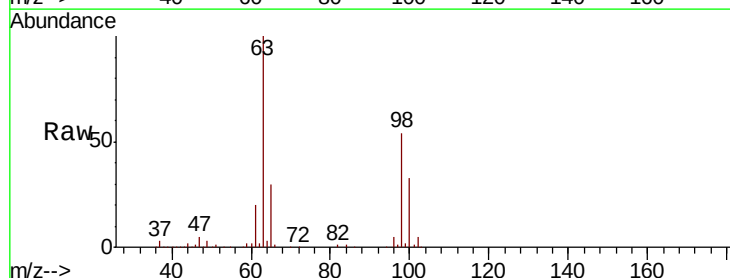
Tgt Ion: 101 Resp: 1623

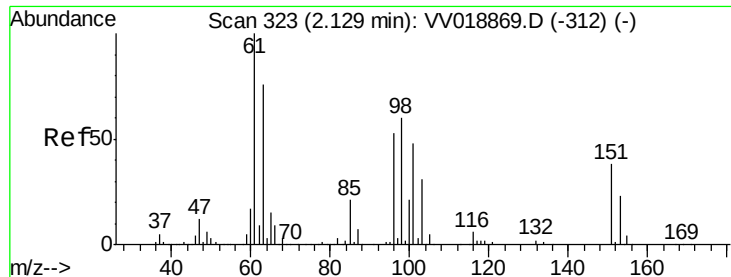
Ion Ratio Lower Upper

101 100

85 0.0 35.9 53.9#

151 0.0 59.8 89.8#

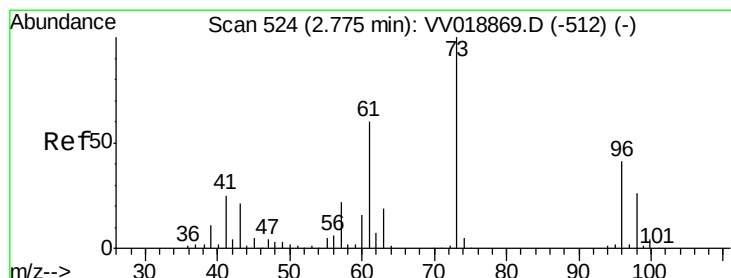
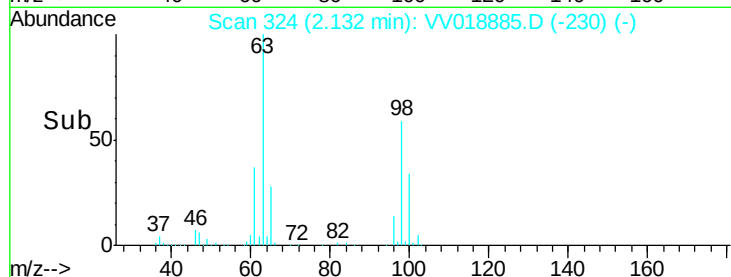
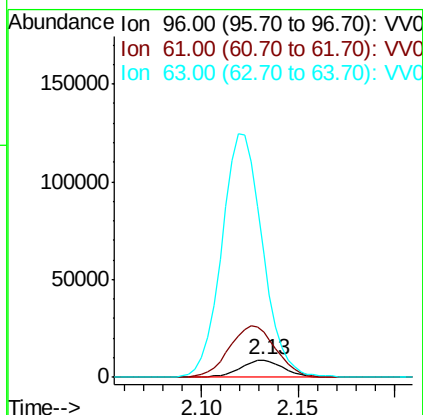
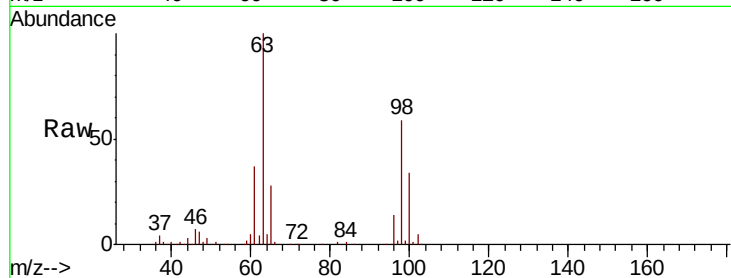




#12
 1,1-Dichloroethene
 Concen: 5.829 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. 0.00 min
 Lab File: VV018885.D
 Acq: 13 Oct 2020 18:36

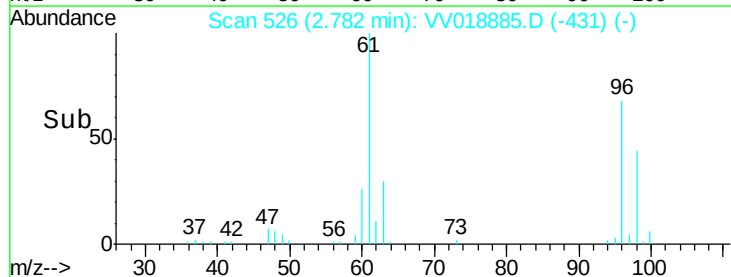
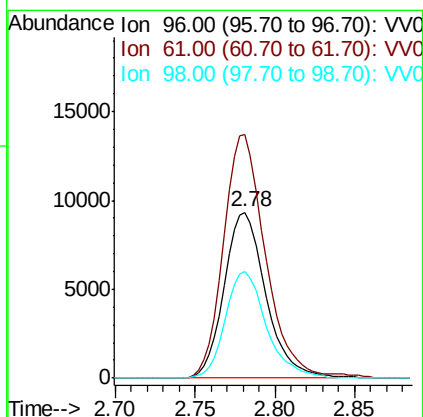
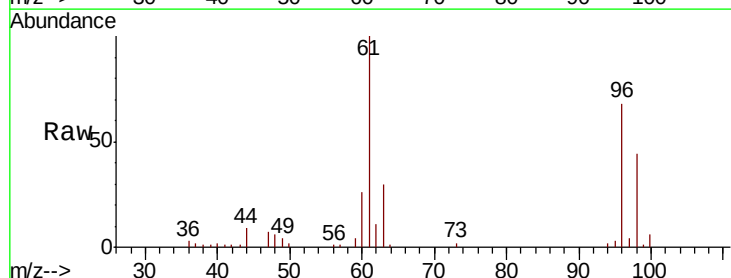
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AJ1

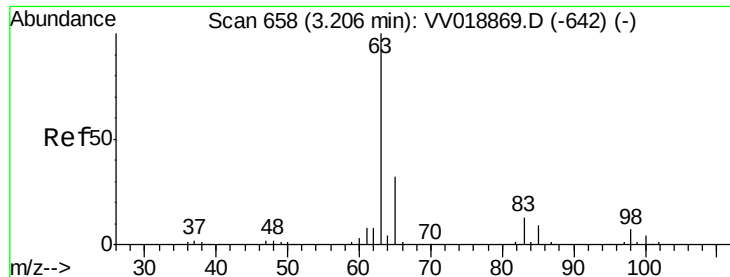
Tot Ion: 96 Resp: 13642
 Ion Ratio Lower Upper
 96 100
 61 259.9 133.6 248.0#
 63 703.7 108.4 201.4#



#17
 trans-1,2-Dichloroethene
 Concen: 6.711 ug/L
 RT: 2.78 min Scan# 526
 Delta R.T. 0.01 min
 Lab File: VV018885.D
 Acq: 13 Oct 2020 18:36

Tgt Ion: 96 Resp: 16577
 Ion Ratio Lower Upper
 96 100
 61 146.6 105.7 196.3
 98 64.3 44.7 83.1

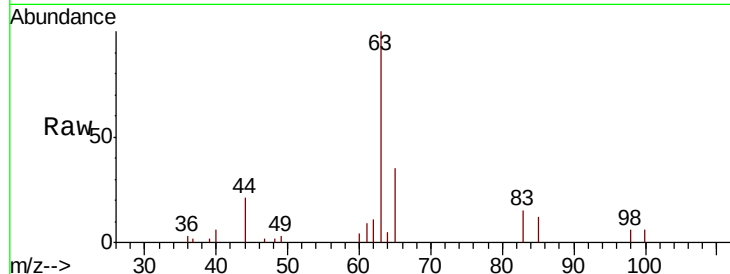




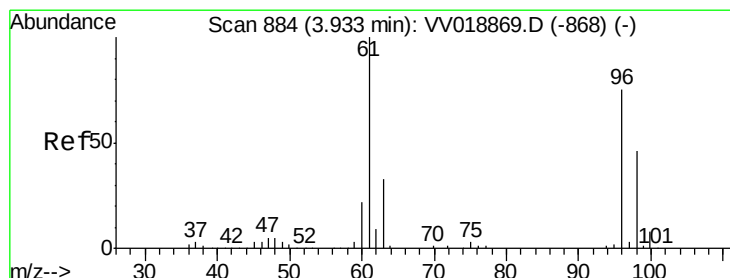
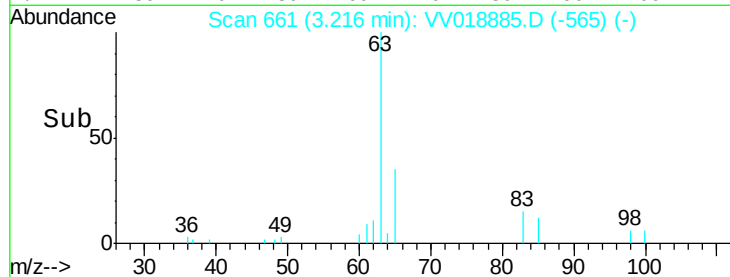
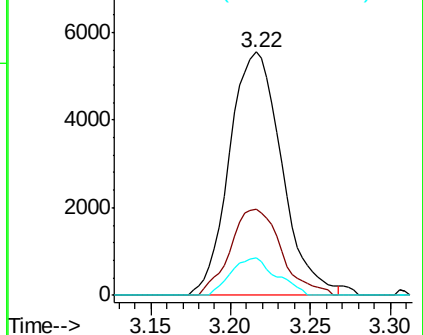
#19
 1,1-Dichloroethane
 Concen: 2.565 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV018885.D
 Acq: 13 Oct 2020 18:36

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AJ1

Tot Ion: 63 Resp: 12434
 Ion Ratio Lower Upper
 63 100
 65 35.2 22.0 40.8
 83 15.4 9.2 17.0

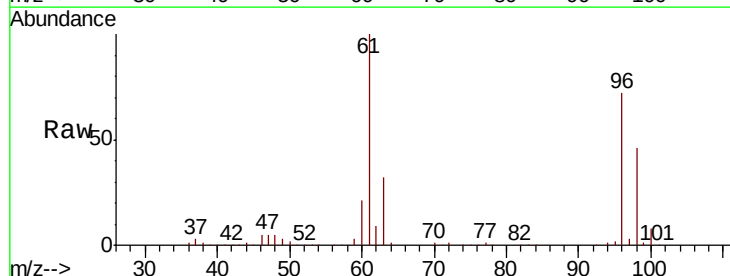


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

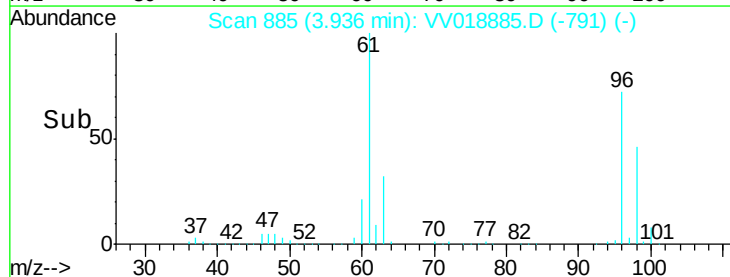
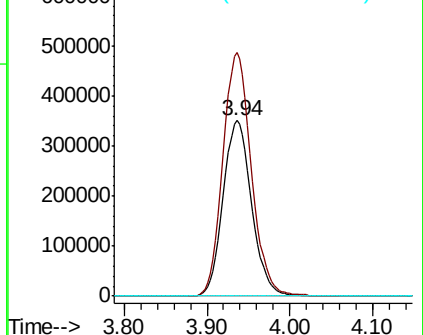


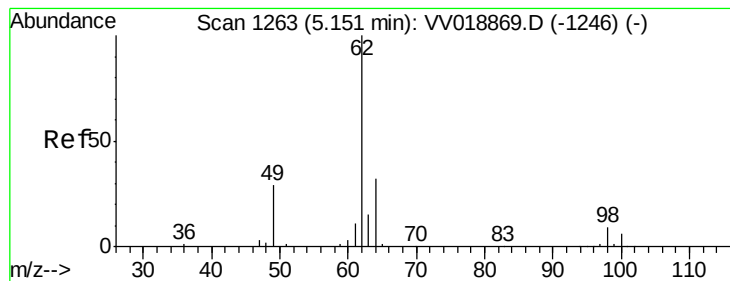
#20
 cis-1,2-Dichloroethene
 Concen: 322.014 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV018885.D
 Acq: 13 Oct 2020 18:36

Tgt Ion: 96 Resp: 840678
 Ion Ratio Lower Upper
 96 100
 61 138.6 97.3 180.7
 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





#27

1,2-Dichloroethane

Concen: 0.760 ug/L

RT: 5.07 min Scan# 1239

Delta R.T. -0.08 min

Lab File: VV018885.D

Acq: 13 Oct 2020 18:36

Instrument :

MSVOA_V

ClientSampleId :

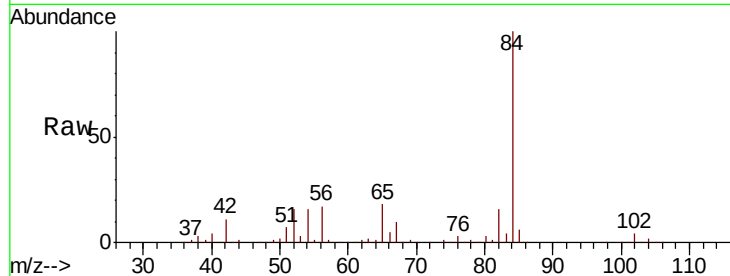
C0AJ1

Tot Ion: 62 Resp: 3075

Ion Ratio Lower Upper

62 100

98 9.3 6.6 10.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

5.07

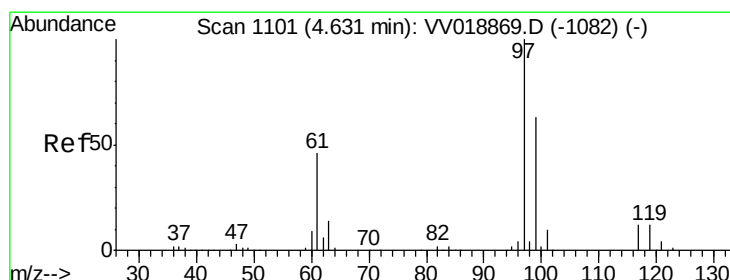
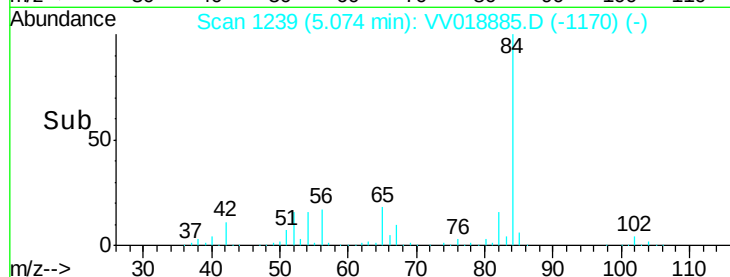
1500

1000

500

0

Time--> 5.00 5.05 5.10 5.15



#30

1,1,1-Trichloroethane

Concen: 5.355 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV018885.D

Acq: 13 Oct 2020 18:36

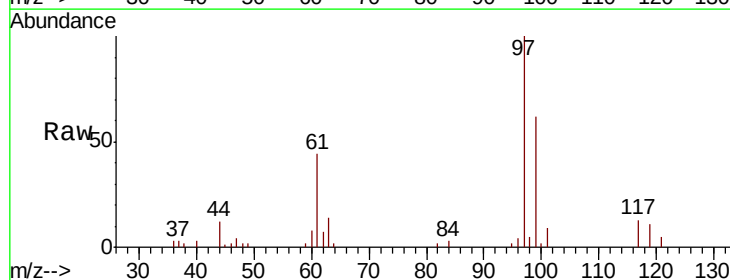
Tgt Ion: 97 Resp: 24198

Ion Ratio Lower Upper

97 100

99 64.7 51.0 76.4

61 48.3 37.0 55.4



Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

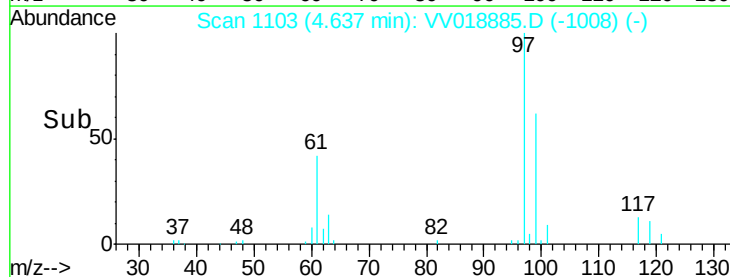
4.64

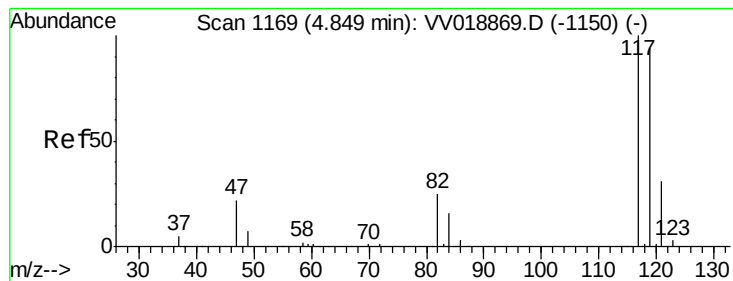
10000

5000

0

Time--> 4.55 4.60 4.65 4.70 4.75





#31

Carbon tetrachloride

Concen: 0.855 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.22 min

Lab File: VV018885.D

Acq: 13 Oct 2020 18:36

Instrument :

MSVOA_V

ClientSampleId :

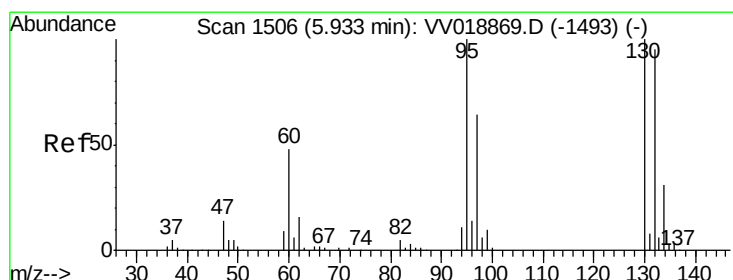
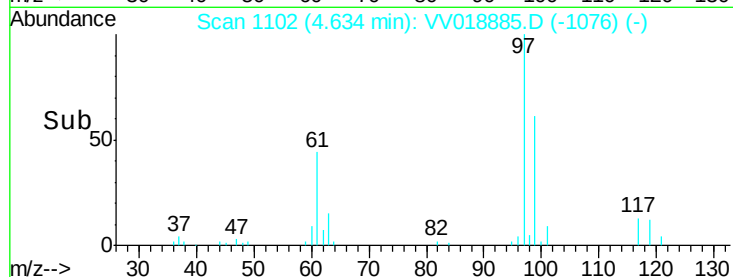
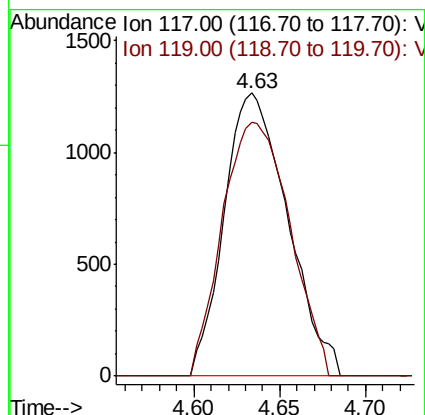
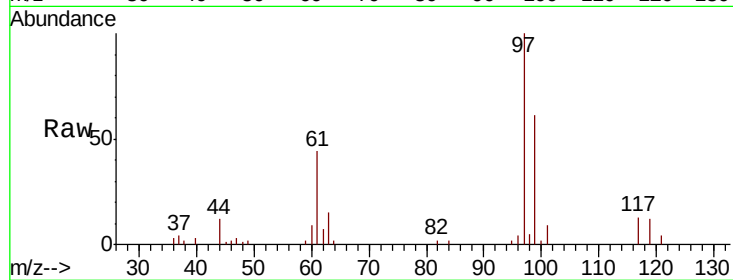
C0AJ1

Tot Ion:117 Resp: 3255

Ion Ratio Lower Upper

117 100

119 95.4 76.3 114.5



#34

Trichloroethene

Concen: 3398.856 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV018885.D

Acq: 13 Oct 2020 18:36

Tgt Ion: 95 Resp:10522933

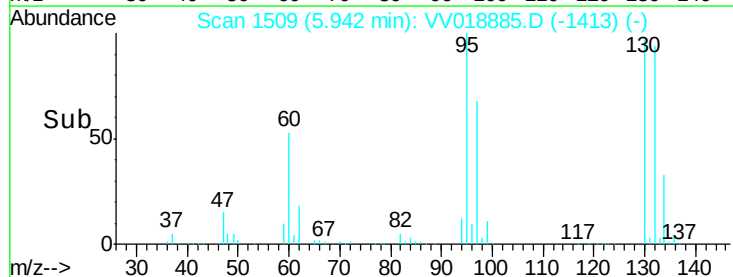
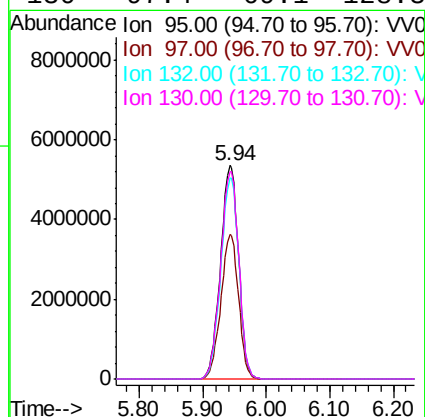
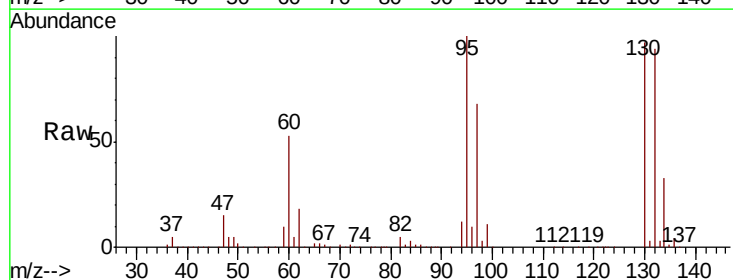
Ion Ratio Lower Upper

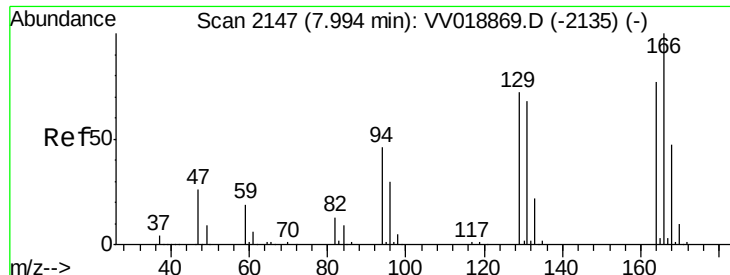
95 100

97 67.5 45.1 83.9

132 94.1 66.2 123.0

130 97.4 69.1 128.3





#46

Tetrachloroethene

Concen: 989.293 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV018885.D

Acq: 13 Oct 2020 18:36

Instrument :

MSVOA_V

ClientSampled :

C0AJ1

Tot Ion:164 Resp: 2244708

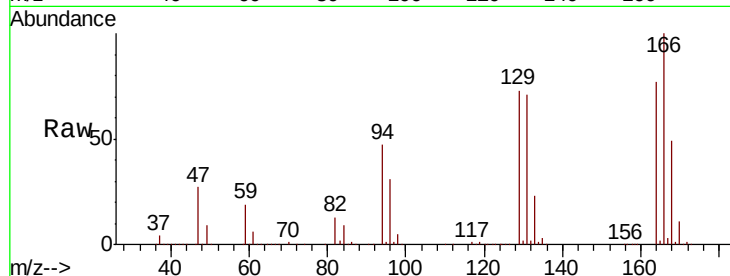
Ion Ratio Lower Upper

164 100

129 93.7 64.6 120.0

131 91.4 63.6 118.0

166 129.2 88.3 164.1

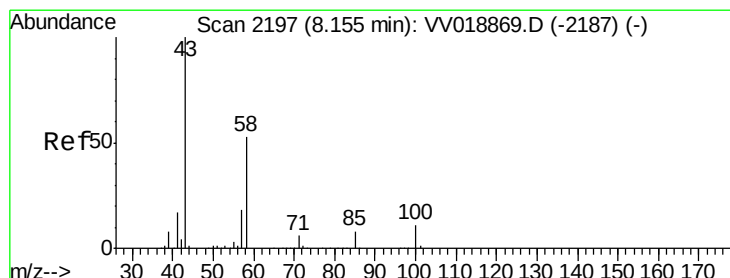
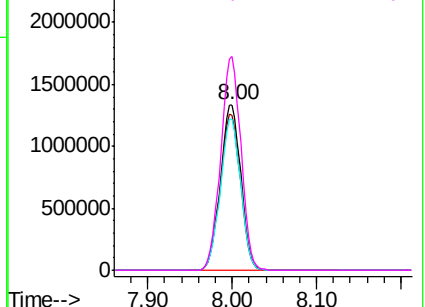
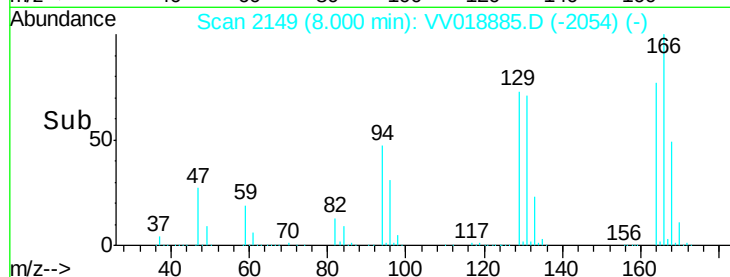


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 3.934 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018885.D

Acq: 13 Oct 2020 18:36

Tgt Ion: 43 Resp: 11925

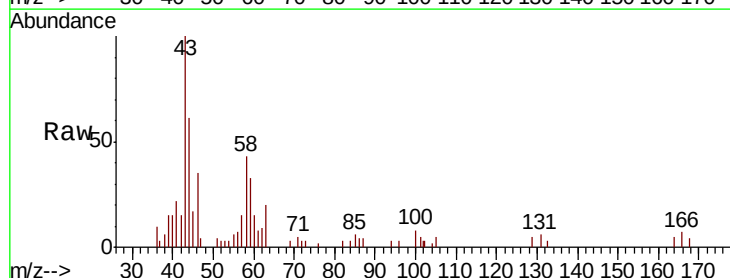
Ion Ratio Lower Upper

43 100

58 38.4 41.8 62.8#

57 9.7 14.9 22.3#

100 6.9 9.2 13.8#

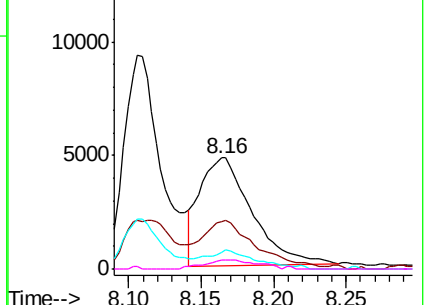
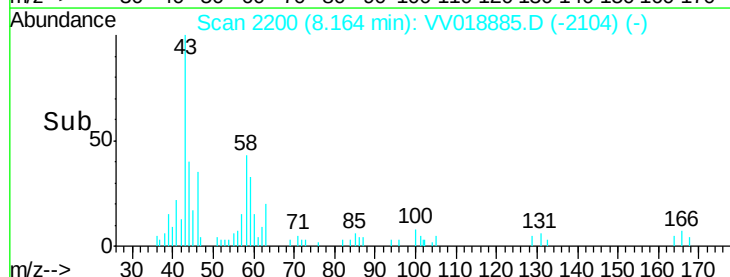


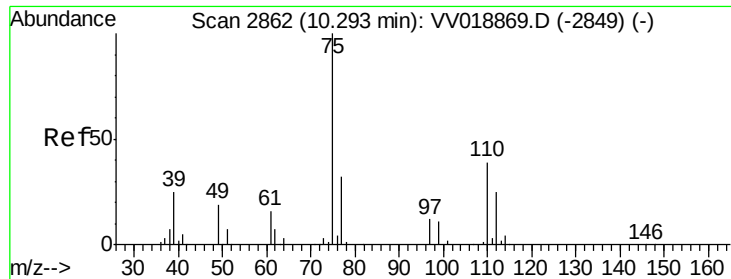
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#59

1,2,3-Trichloropropane

Concen: 5.362 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018885.D

Acq: 13 Oct 2020 18:36

Instrument :

MSVOA_V

ClientSampleId :

C0AJ1

Tot Ion: 75 Resp: 18853

Ion Ratio Lower Upper

75 100

77 40.1 25.9 38.9#

