

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101320\
 Data File : VV018887.D
 Acq On : 13 Oct 2020 19:24
 Operator : SY/MD
 Sample : L4351-07
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AG5

Quant Time: Oct 14 01:37:22 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	335782	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	332668	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	153533	50.00	ug/L	0.00

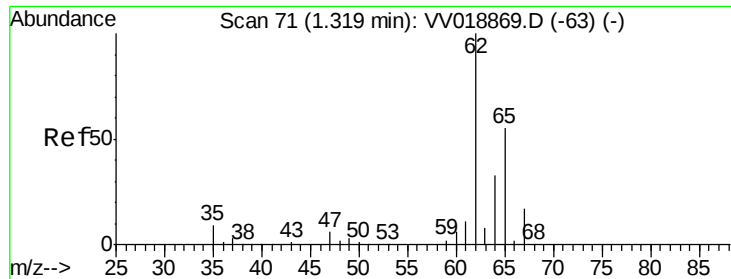
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	113233	37.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.22%
7) Chloroethane-d5	1.58	69	95501	38.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.78%
11) 1,1-Dichloroethene-d2	2.12	63	173273	29.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.92%#
21) 2-Butanone-d5	3.90	46	182442	97.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.39%
24) Chloroform-d	4.37	84	223314	41.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.98%
26) 1,2-Dichloroethane-d4	5.06	65	154951	42.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.94%
32) Benzene-d6	5.07	84	444301	41.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	6.09	67	148550	42.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.10%
41) Toluene-d8	7.34	98	388031	40.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.66%
43) trans-1,3-Dichloropropene-	7.64	79	65571	38.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.86%
47) 2-Hexanone-d5	8.11	63	111922	91.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.48%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	166964	41.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.16%
64) 1,2-Dichlorobenzene-d4	11.65	152	155946	45.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.78%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	31123	10.498	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1603	0.664	ug/L #	21
12) 1,1-Dichloroethene	2.13	96	4387	1.888	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	9130	3.722	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	351285	135.501	ug/L	99
25) Chloroform	4.40	83	5253	1.063	ug/L	93
30) 1,1,1-Trichloroethane	4.64	97	4798	1.082	ug/L #	84
34) Trichloroethene	5.94	95	2229216	733.885	ug/L	100
39) cis-1,3-Dichloropropene	7.01	75	4360	1.065	ug/L #	63
46) Tetrachloroethene	8.00	164	2436469	1094.474	ug/L	99
48) 2-Hexanone	8.16	43	13798	4.639	ug/L #	83
49) Dibromochloromethane	8.00	129	2256830	792.994	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	19203	5.567	ug/L	93

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



#5

Vinyl chloride

Concen: 10.498 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018887.D

Acq: 13 Oct 2020 19:24

Instrument :

MSVOA_V

ClientSampleId :

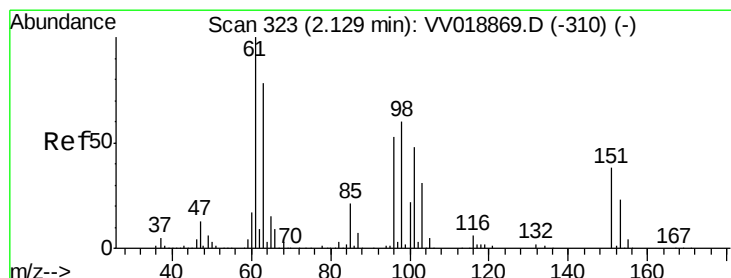
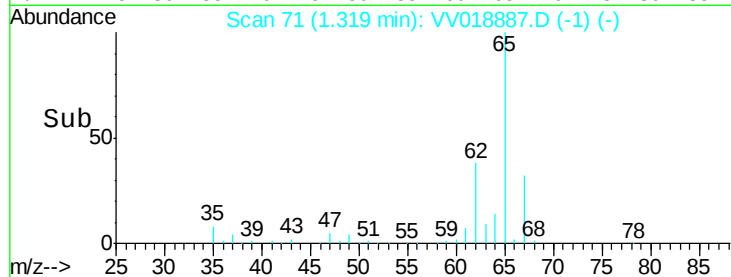
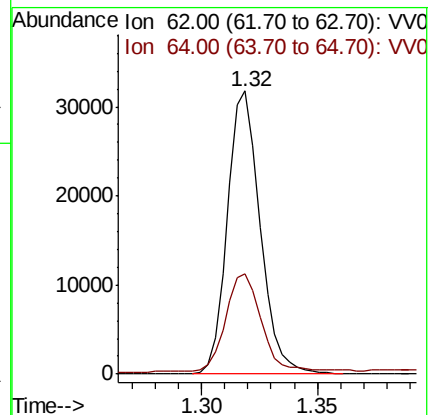
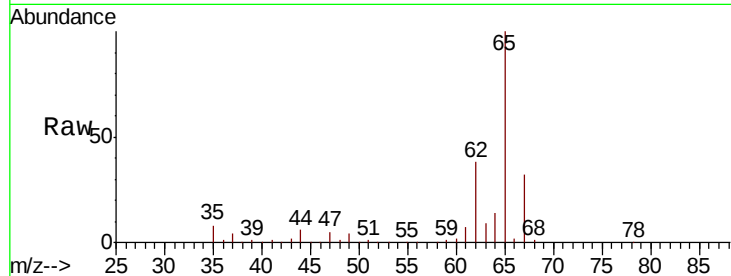
C0AG5

Tot Ion: 62 Resp: 31123

Ion Ratio Lower Upper

62 100

64 35.3 23.2 43.0



#10

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

Concen: 0.664 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018887.D

Acq: 13 Oct 2020 19:24

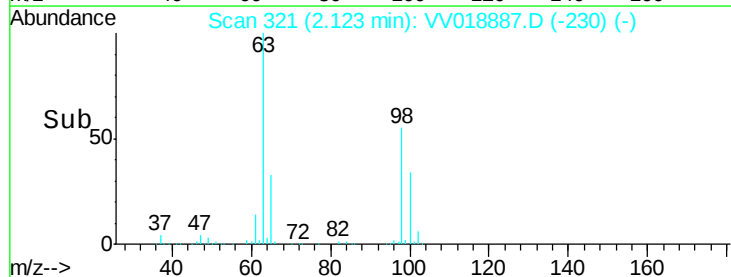
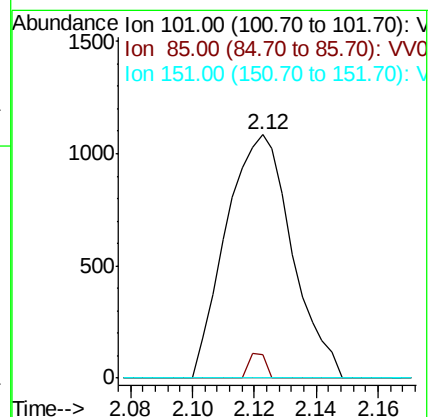
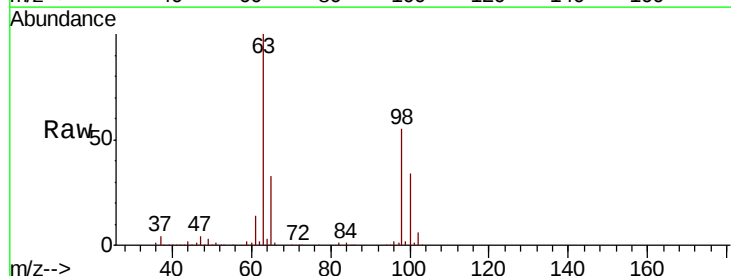
Tgt Ion: 101 Resp: 1603

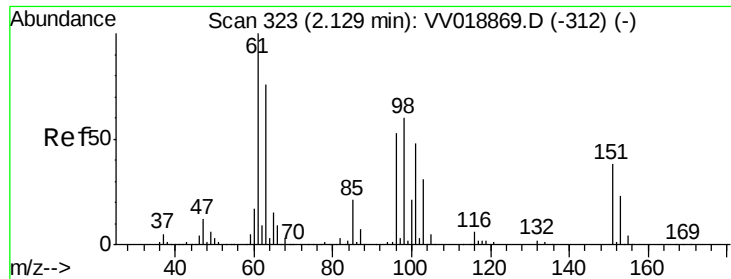
Ion Ratio Lower Upper

101 100

85 2.6 35.9 53.9#

151 0.0 59.8 89.8#





#12

1,1-Dichloroethene

Concen: 1.888 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV018887.D

Acq: 13 Oct 2020 19:24

Instrument :

MSVOA_V

ClientSampleId :

C0AG5

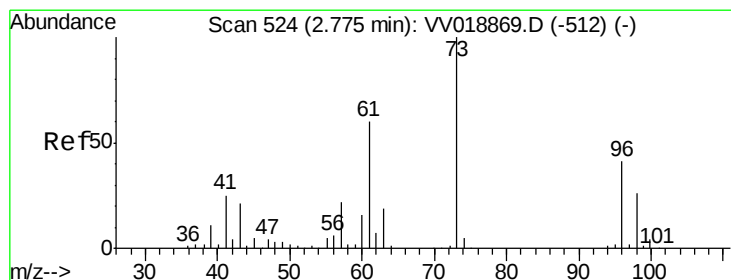
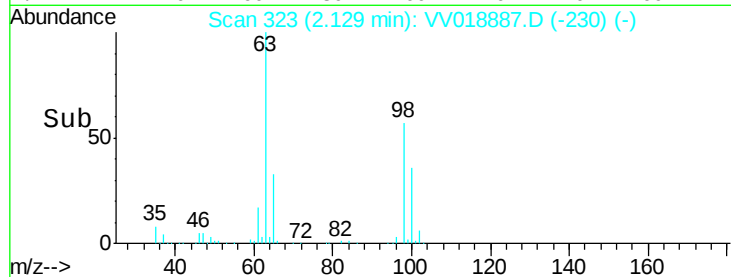
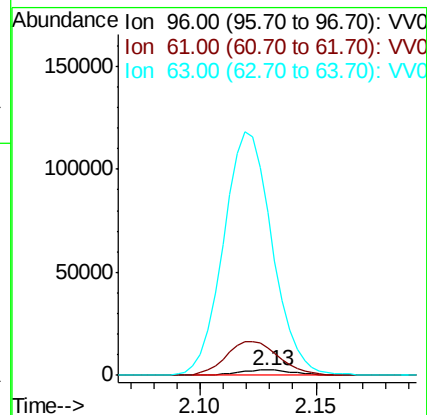
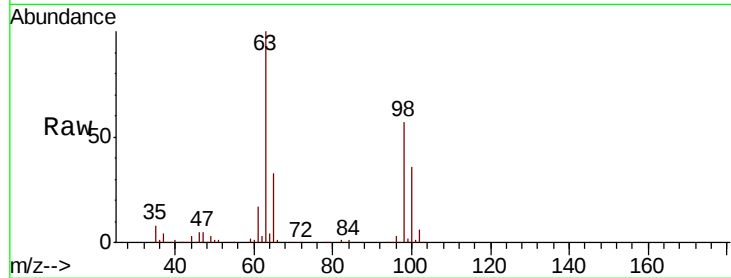
Tot Ion: 96 Resp: 4387

Ion Ratio Lower Upper

96 100

61 517.7 133.6 248.0#

63 3047.0 108.4 201.4#



#17

trans-1,2-Dichloroethene

Concen: 3.722 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018887.D

Acq: 13 Oct 2020 19:24

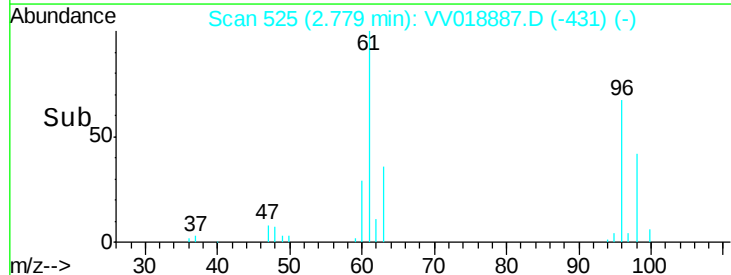
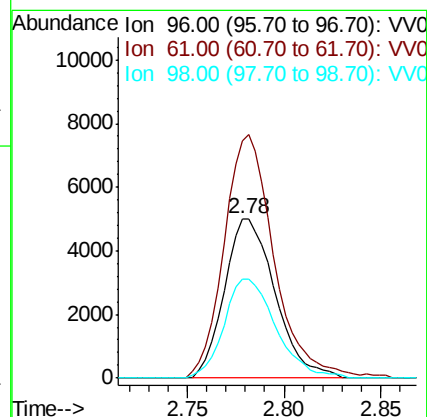
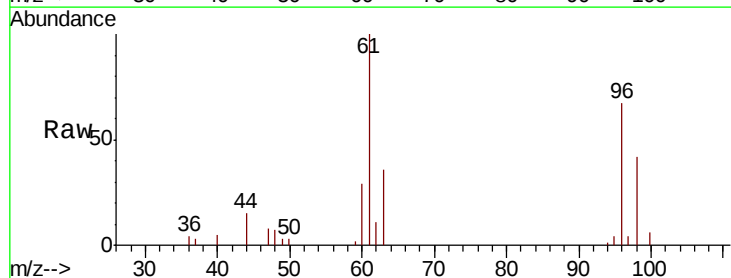
Tgt Ion: 96 Resp: 9130

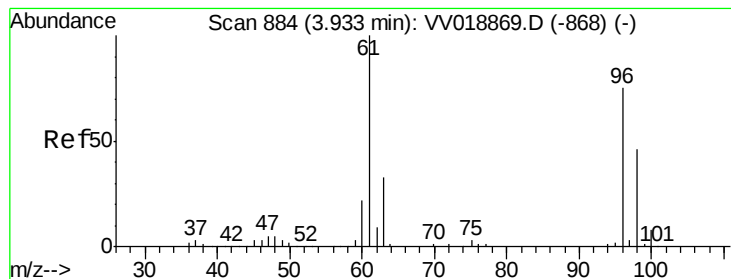
Ion Ratio Lower Upper

96 100

61 149.0 105.7 196.3

98 62.2 44.7 83.1



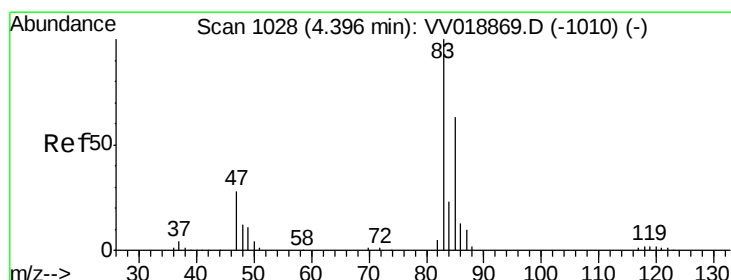
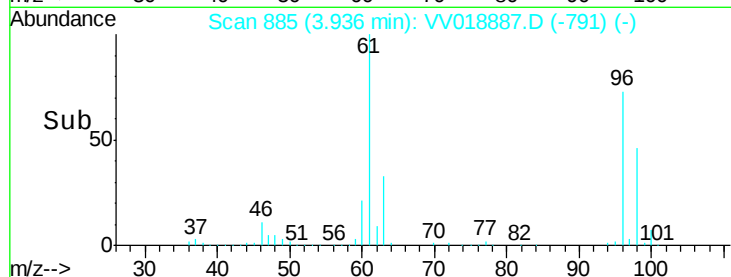
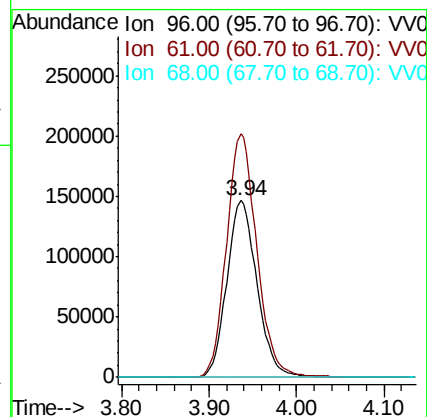
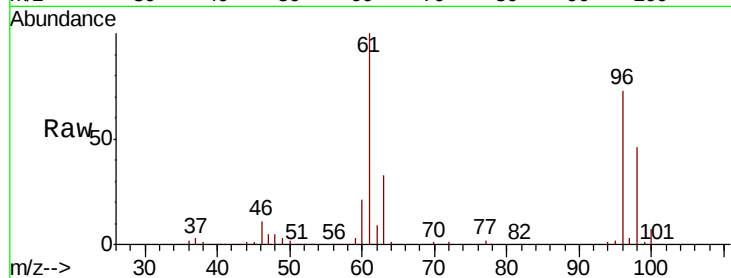


#20

cis-1,2-Dichloroethene
 Concen: 135.501 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV018887.D
 Acq: 13 Oct 2020 19:24

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AG5

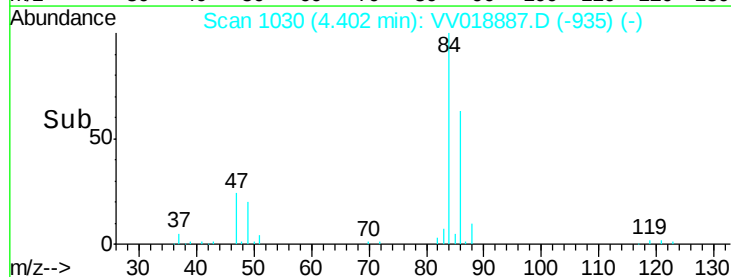
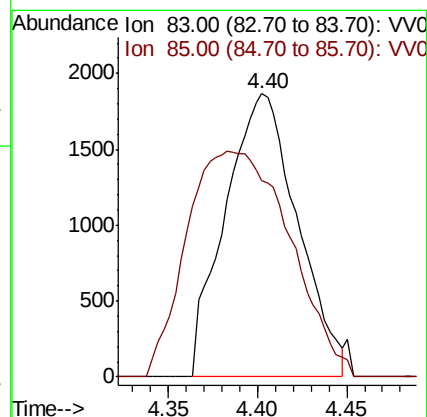
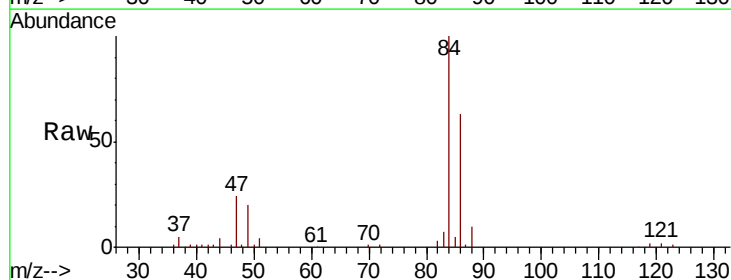
Tot Ion	96	Resp	351285
Ion	Ratio	Lower	Upper
96	100		
61	137.9	97.3	180.7
68	0.0	0.0	0.0

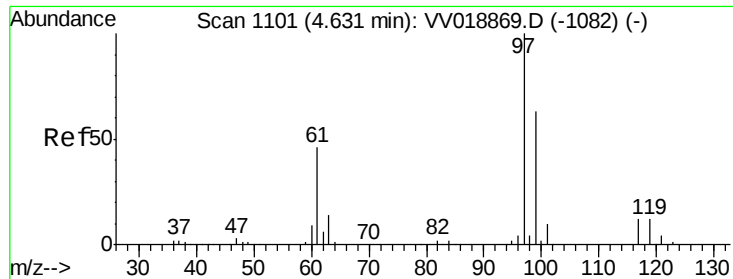


#25

Chloroform
 Concen: 1.063 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VV018887.D
 Acq: 13 Oct 2020 19:24

Tgt Ion	83	Resp	5253
Ion	Ratio	Lower	Upper
83	100		
85	69.4	45.0	83.6

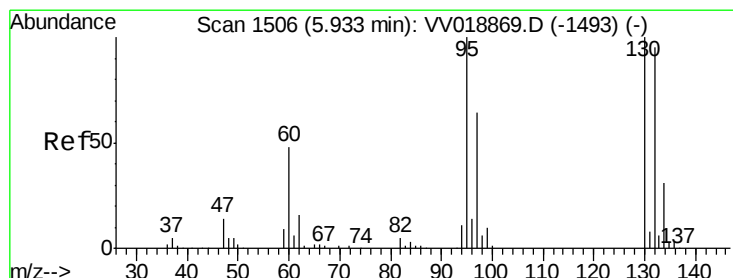
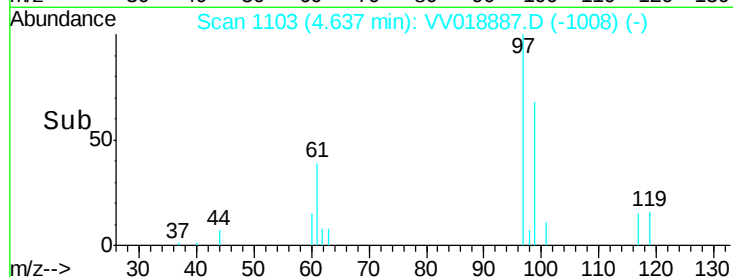
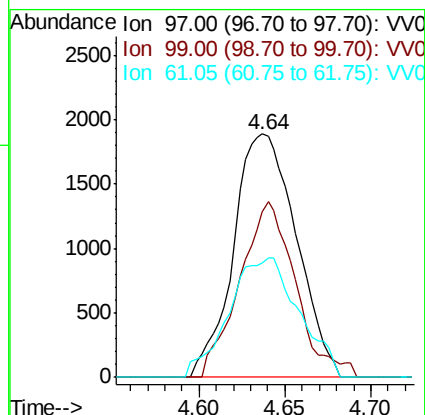
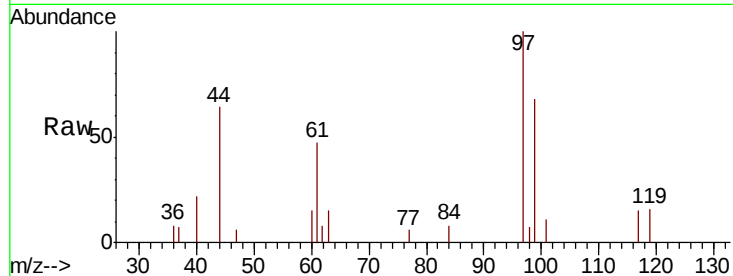




#30
 1,1,1-Trichloroethane
 Concen: 1.082 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VV018887.D
 Acq: 13 Oct 2020 19:24

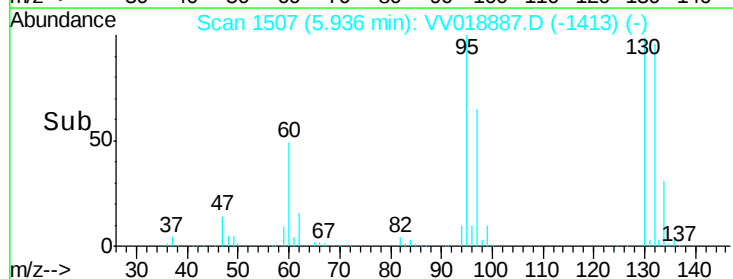
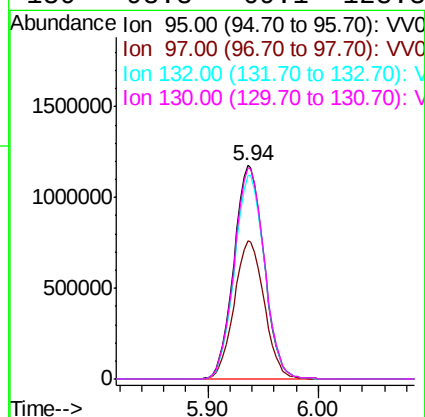
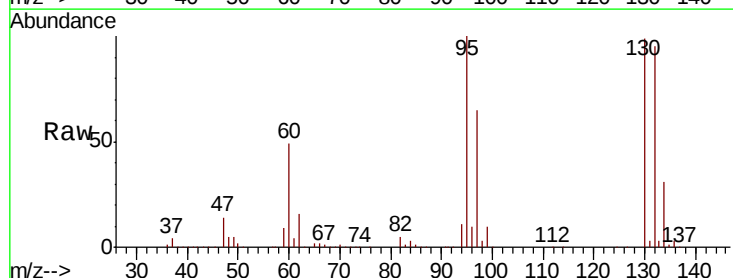
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AG5

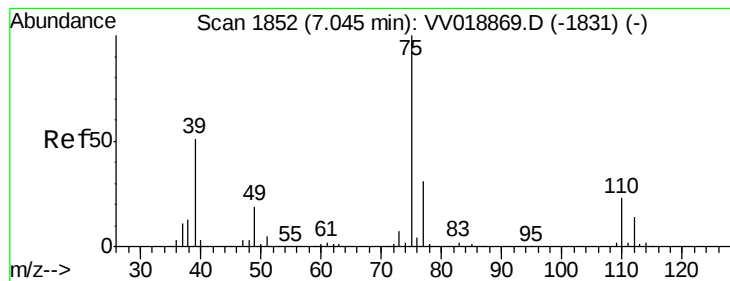
Tot Ion: 97 Resp: 4798
 Ion Ratio Lower Upper
 97 100
 99 60.9 51.0 76.4
 61 24.5 37.0 55.4#



#34
 Trichloroethene
 Concen: 733.885 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV018887.D
 Acq: 13 Oct 2020 19:24

Tgt Ion: 95 Resp: 2229216
 Ion Ratio Lower Upper
 95 100
 97 64.8 45.1 83.9
 132 95.2 66.2 123.0
 130 98.8 69.1 128.3





#39

cis-1,3-Dichloropropene

Concen: 1.065 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018887.D

Acq: 13 Oct 2020 19:24

Instrument :

MSVOA_V

ClientSampled :

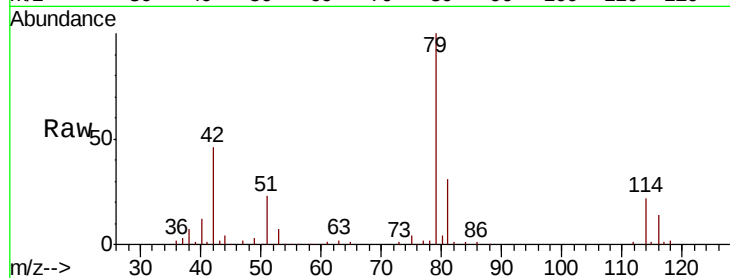
C0AG5

Tot Ion: 75 Resp: 4360

Ion Ratio Lower Upper

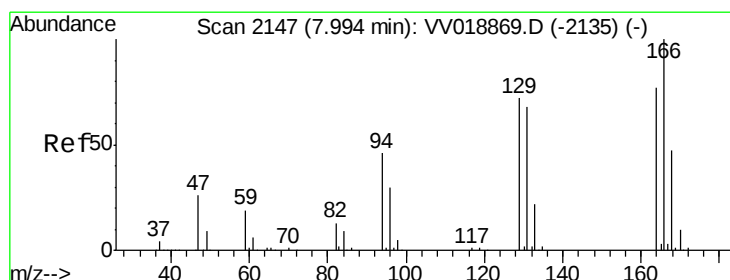
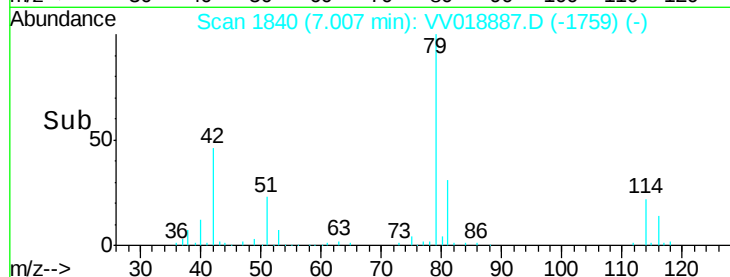
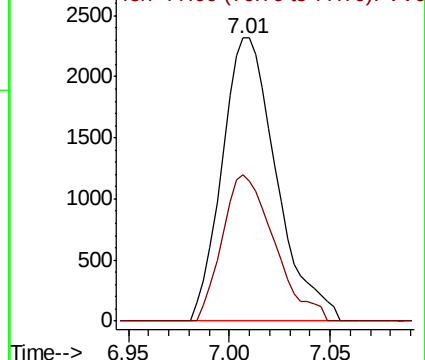
75 100

77 51.7 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#46

Tetrachloroethene

Concen: 1094.474 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV018887.D

Acq: 13 Oct 2020 19:24

Tgt Ion:164 Resp: 2436469

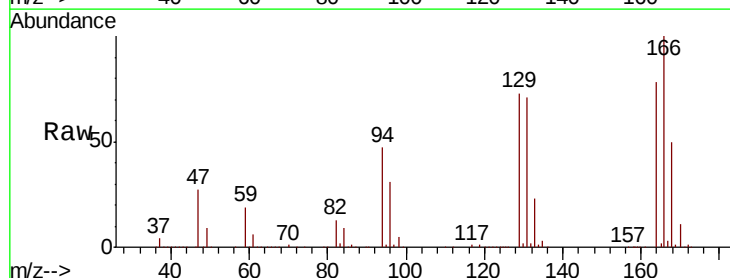
Ion Ratio Lower Upper

164 100

129 93.9 64.6 120.0

131 90.5 63.6 118.0

166 128.2 88.3 164.1

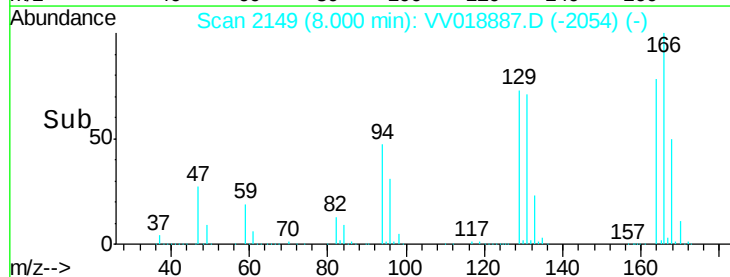
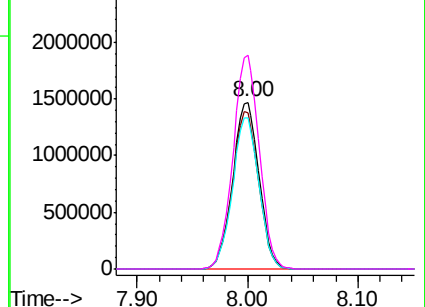


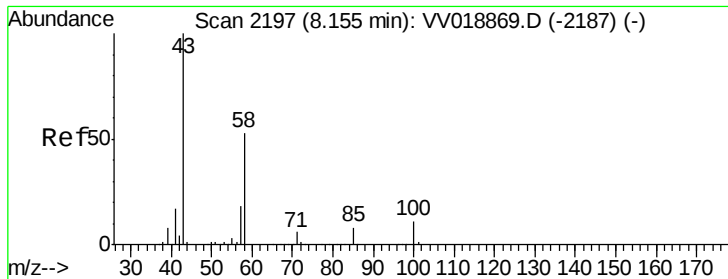
Abundance Ion 164.00 (163.70 to 164.70): V

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

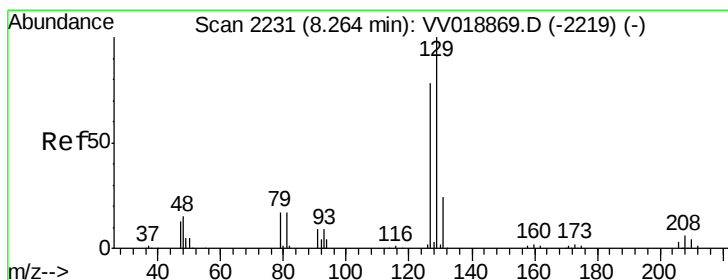
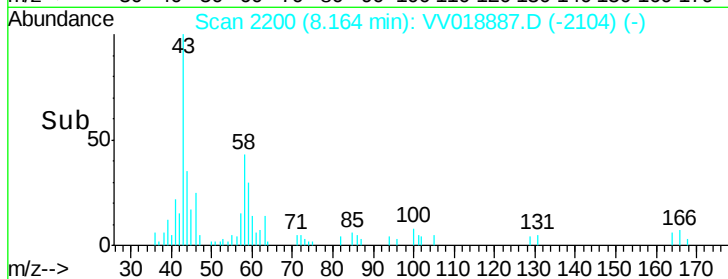
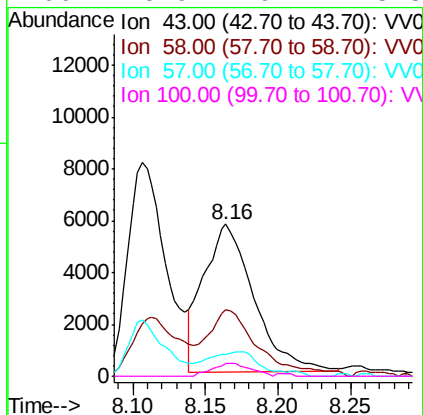
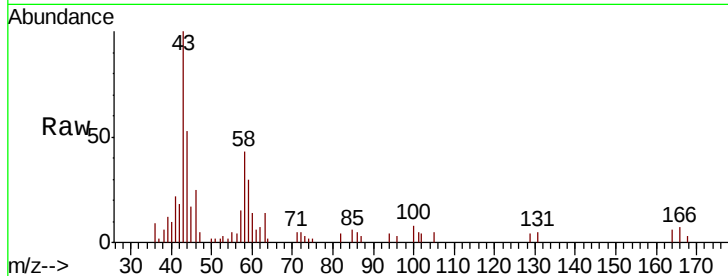




#48
2-Hexanone
Concen: 4.639 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV018887.D
Acq: 13 Oct 2020 19:24

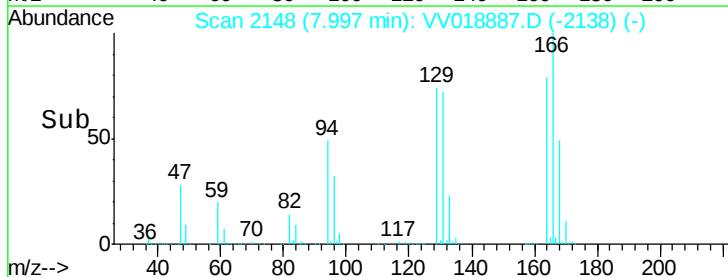
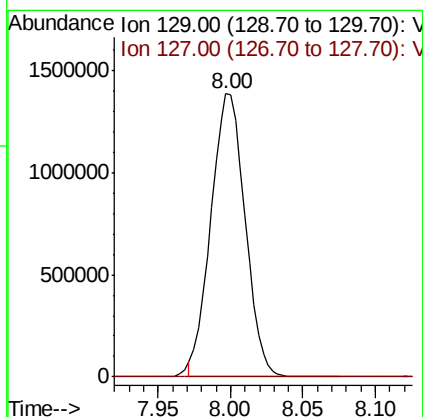
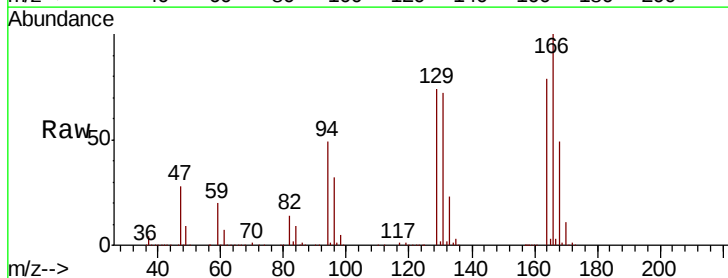
Instrument :
MSVOA_V
ClientSampled :
C0AG5

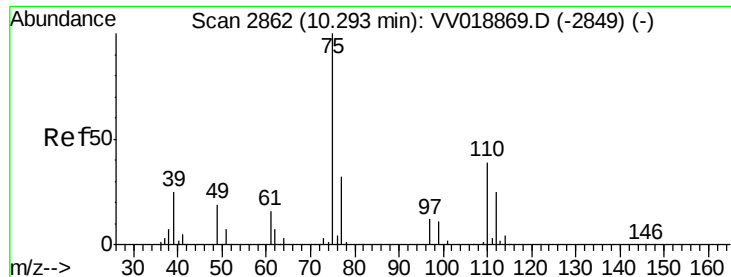
Tot Ion: 43 Resp: 13798
Ion Ratio Lower Upper
43 100
58 38.0 41.8 62.8#
57 13.3 14.9 22.3#
100 6.9 9.2 13.8#



#49
Dibromochloromethane
Concen: 792.994 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV018887.D
Acq: 13 Oct 2020 19:24

Tgt Ion: 129 Resp: 2256830
Ion Ratio Lower Upper
129 100
127 0.0 55.3 102.7#





#59

1,2,3-Trichloropropane

Concen: 5.567 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018887.D

Acq: 13 Oct 2020 19:24

Instrument :

MSVOA_V

ClientSampleId :

C0AG5

Tot Ion: 75 Resp: 19203

Ion Ratio Lower Upper

75 100

77 36.2 25.9 38.9

