

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101220\
 Data File : VV018858.D
 Acq On : 12 Oct 2020 15:54
 Operator : SY/MD
 Sample : L4287-09
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AH6

Quant Time: Oct 13 01:11:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 13 01:02:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	311133	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	320220	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	154445	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	139275	49.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.54%
7) Chloroethane-d5	1.58	69	111191	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.72%
11) 1,1-Dichloroethene-d2	2.12	63	198492	36.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.84%
21) 2-Butanone-d5	3.90	46	185969	107.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.13%
24) Chloroform-d	4.38	84	234707	47.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.12%
26) 1,2-Dichloroethane-d4	5.06	65	166288	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.36%
32) Benzene-d6	5.07	84	480885	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.32%
36) 1,2-Dichloropropane-d6	6.09	67	143130	42.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.18%
41) Toluene-d8	7.34	98	391653	42.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.62%
43) trans-1,3-Dichloropropene-	7.64	79	64414	39.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.44%
47) 2-Hexanone-d5	8.11	63	94584	80.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.31%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	173313	44.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.68%
64) 1,2-Dichlorobenzene-d4	11.65	152	168803	49.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.76%

Target Compounds

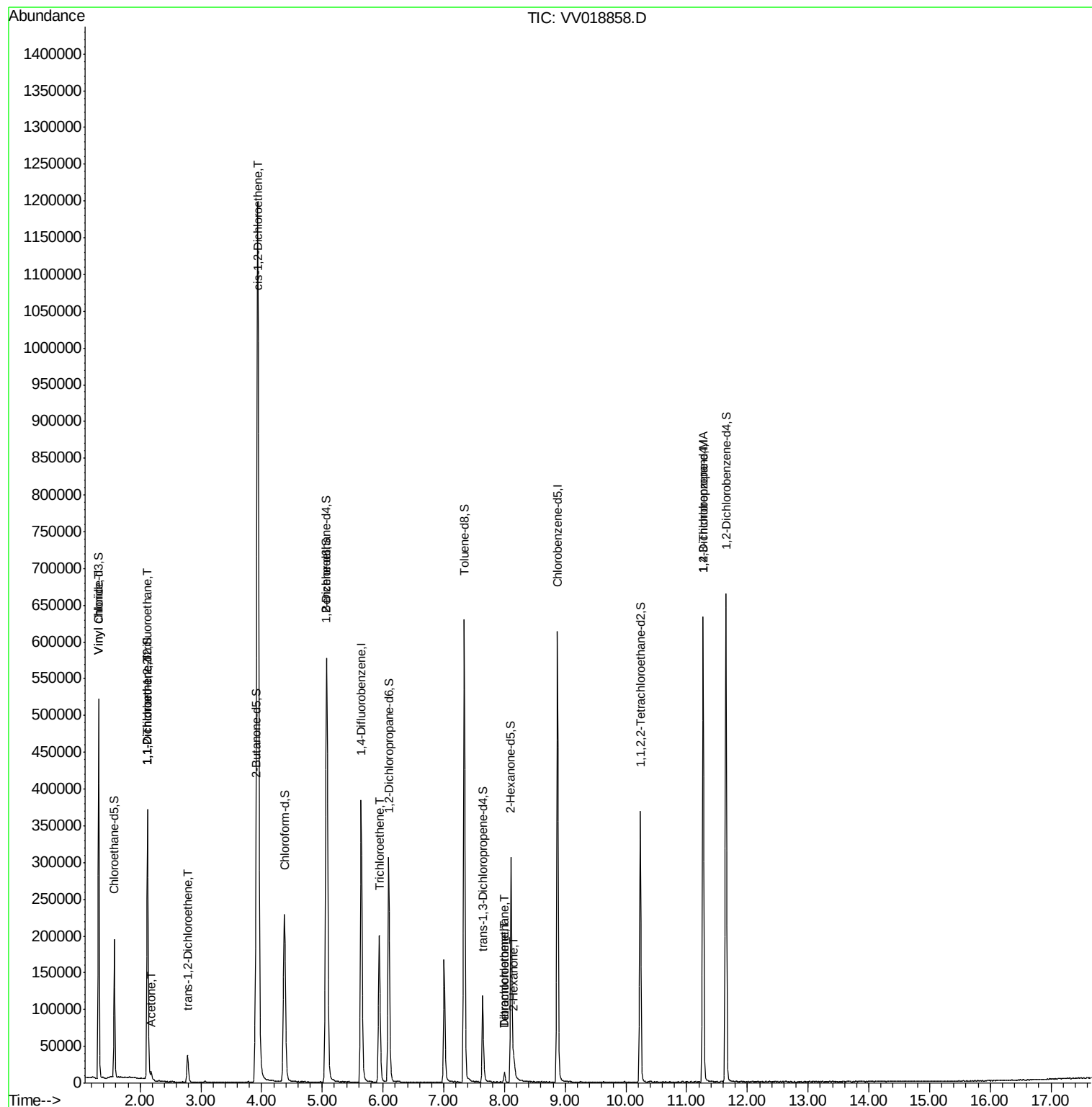
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	195889	71.306	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1715	0.767	ug/L #	22
12) 1,1-Dichloroethene	2.13	96	2491	1.157	ug/L #	1
13) Acetone	2.18	43	12116	8.375	ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	13613	5.989	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	634967	264.329	ug/L	100
34) Trichloroethene	5.94	95	65123	22.273	ug/L	97
46) Tetrachloroethene	8.00	164	2964	1.383	ug/L	95
48) 2-Hexanone	8.16	43	15598	5.448	ug/L #	83
49) Dibromochloromethane	8.00	129	2450	0.894	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	18853	5.678	ug/L	90

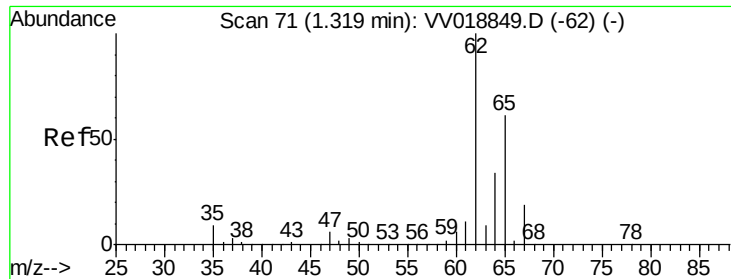
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 71.306 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018858.D

Acq: 12 Oct 2020 15:54

Instrument :

MSVOA_V

ClientSampleId :

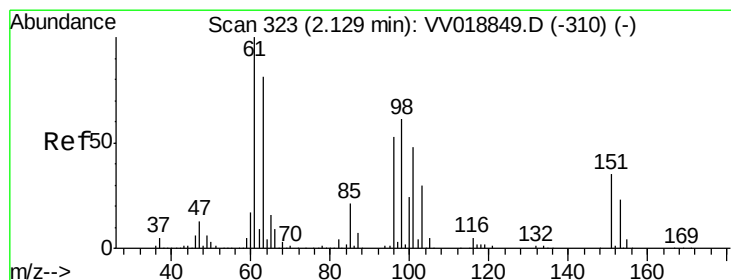
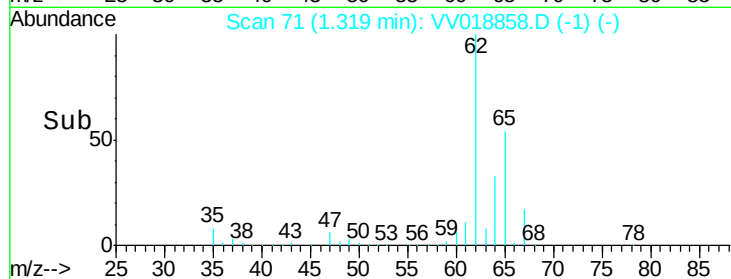
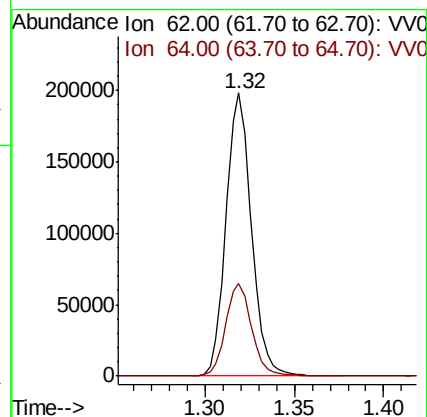
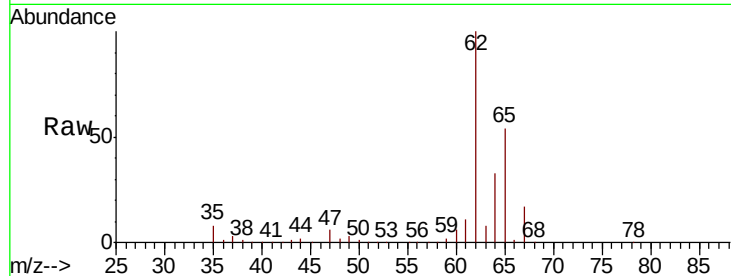
C0AH6

Tot Ion: 62 Resp: 195889

Ion Ratio Lower Upper

62 100

64 32.9 23.2 43.0



#10

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

Concen: 0.767 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018858.D

Acq: 12 Oct 2020 15:54

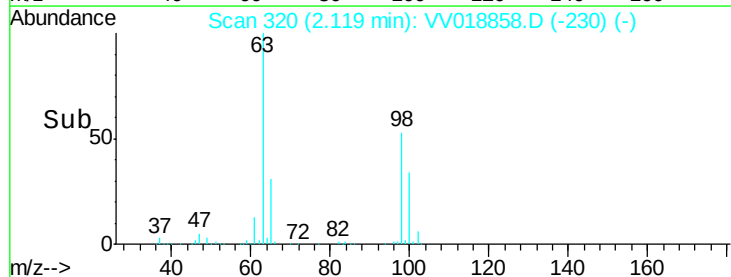
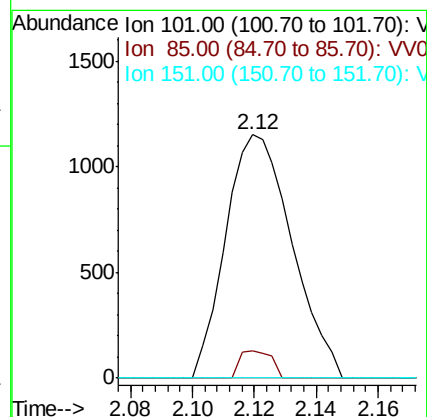
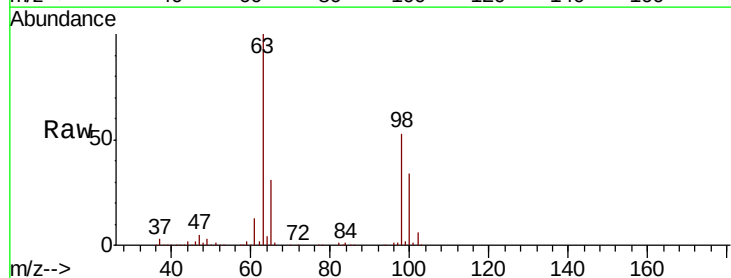
Tgt Ion:101 Resp: 1715

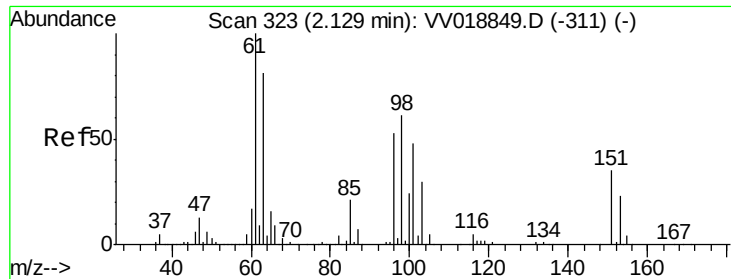
Ion Ratio Lower Upper

101 100

85 5.3 35.9 53.9#

151 0.0 59.8 89.8#





#12

1,1-Dichloroethene

Concen: 1.157 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV018858.D

Acq: 12 Oct 2020 15:54

Instrument :
MSVOA_V
ClientSampled :
C0AH6

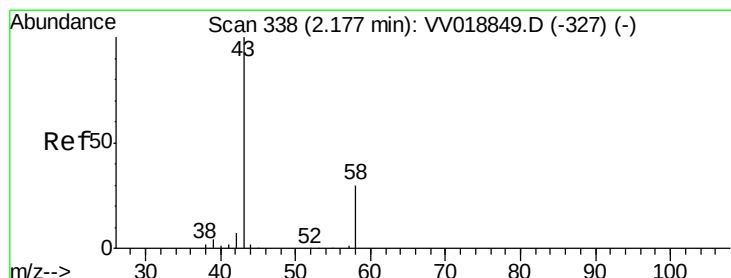
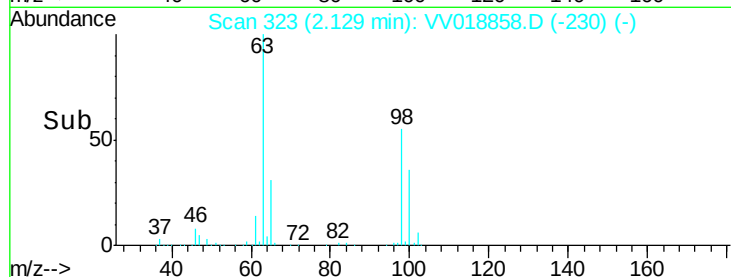
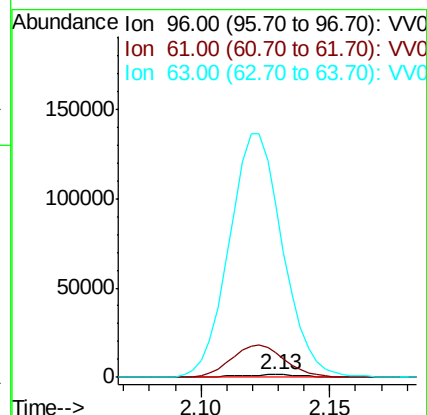
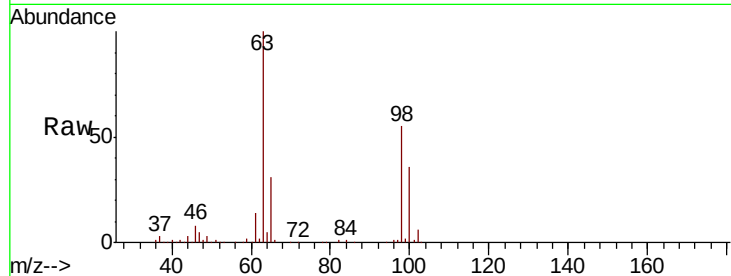
Tot Ion: 96 Resp: 2491

Ion Ratio Lower Upper

96 100

61 960.6 133.6 248.0#

63 6869.1 108.4 201.4#



#13

Acetone

Concen: 8.375 ug/L

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VV018858.D

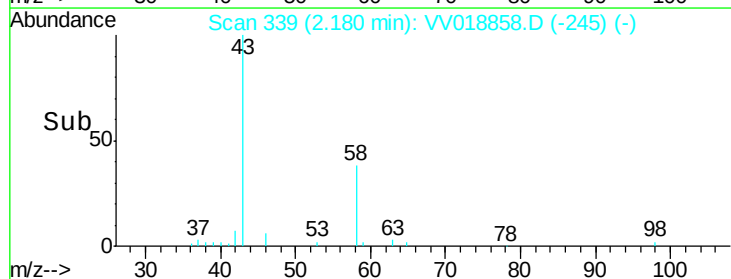
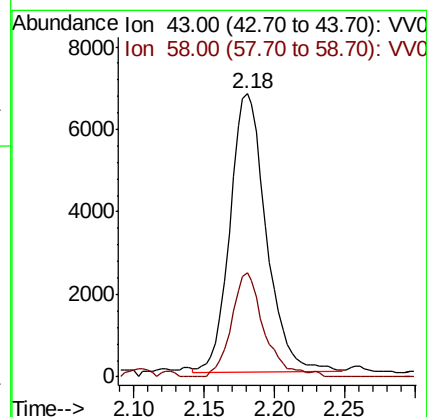
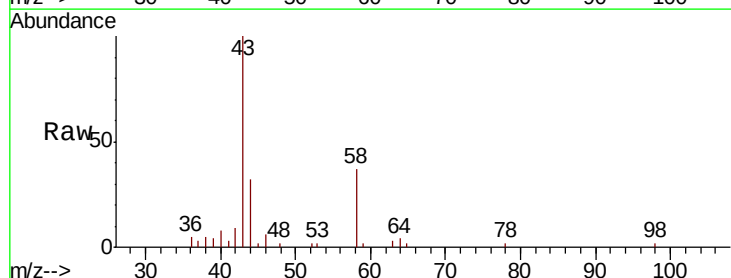
Acq: 12 Oct 2020 15:54

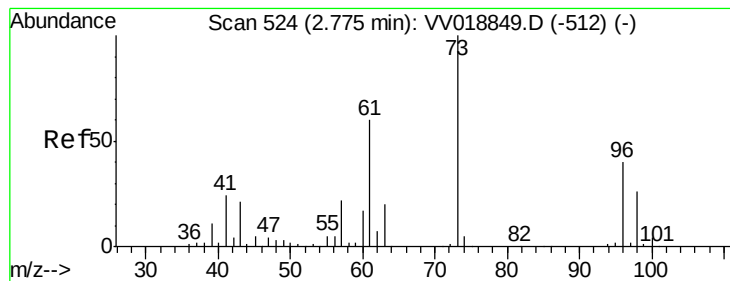
Tgt Ion: 43 Resp: 12116

Ion Ratio Lower Upper

43 100

58 33.6 0.0 61.0





#17

trans-1,2-Dichloroethene

Concen: 5.989 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV018858.D

Acq: 12 Oct 2020 15:54

Instrument :

MSVOA_V

ClientSampleId :

C0AH6

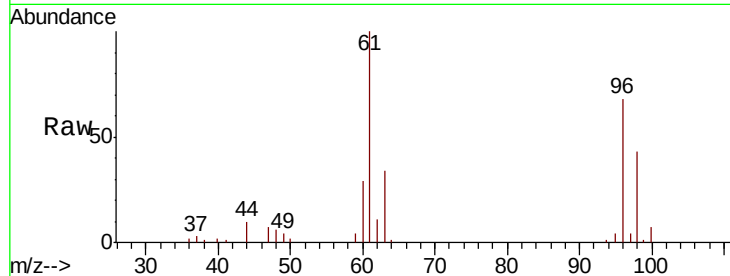
Tot Ion: 96 Resp: 13613

Ion Ratio Lower Upper

96 100

61 147.7 105.7 196.3

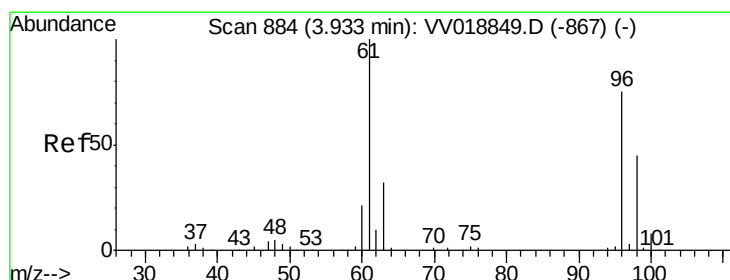
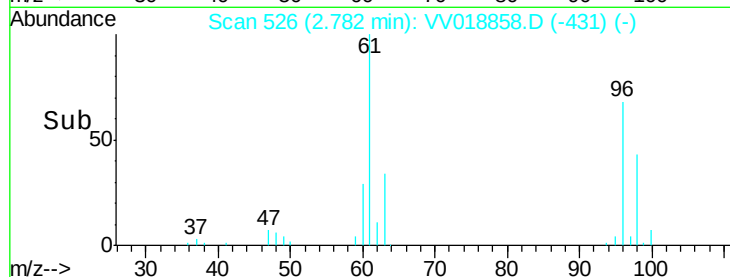
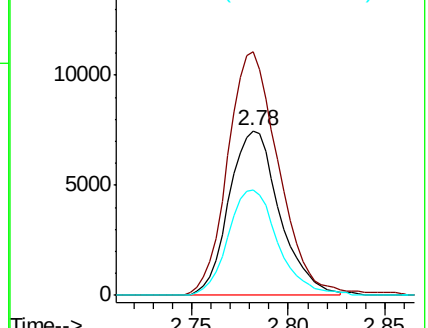
98 63.8 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV018849.D (-512) (-)

Ion 61.00 (60.70 to 61.70): VV018849.D (-512) (-)

Ion 98.00 (97.70 to 98.70): VV018849.D (-512) (-)



#20

cis-1,2-Dichloroethene

Concen: 264.329 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV018858.D

Acq: 12 Oct 2020 15:54

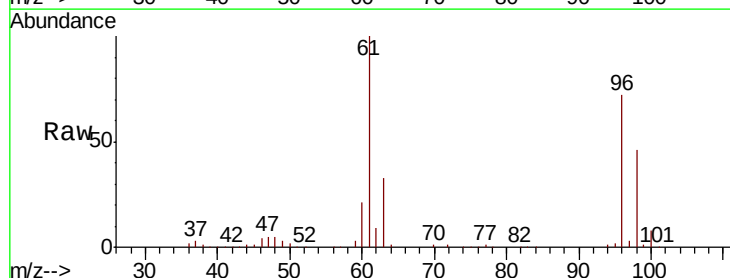
Tgt Ion: 96 Resp: 634967

Ion Ratio Lower Upper

96 100

61 138.9 97.3 180.7

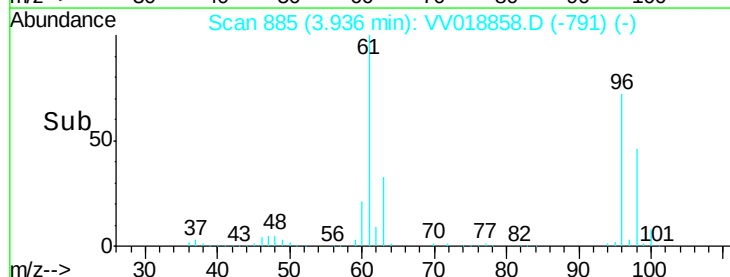
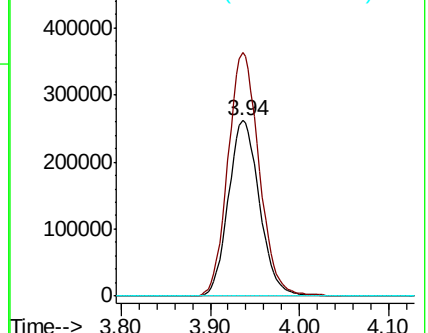
68 0.0 0.0 0.0

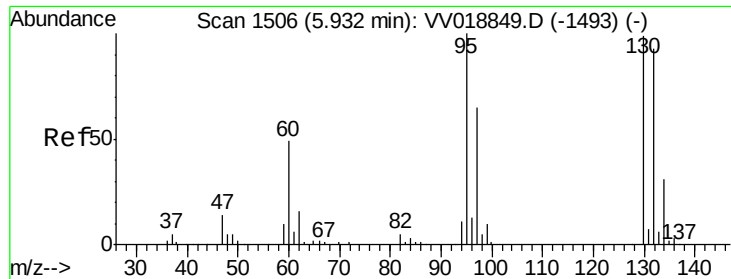


Abundance Ion 96.00 (95.70 to 96.70): VV018849.D (-867) (-)

Ion 61.00 (60.70 to 61.70): VV018849.D (-867) (-)

Ion 68.00 (67.70 to 68.70): VV018849.D (-867) (-)





#34

Trichloroethene

Concen: 22.273 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV018858.D

Acq: 12 Oct 2020 15:54

Instrument :

MSVOA_V

ClientSampled :

C0AH6

Tot Ion: 95 Resp: 65123

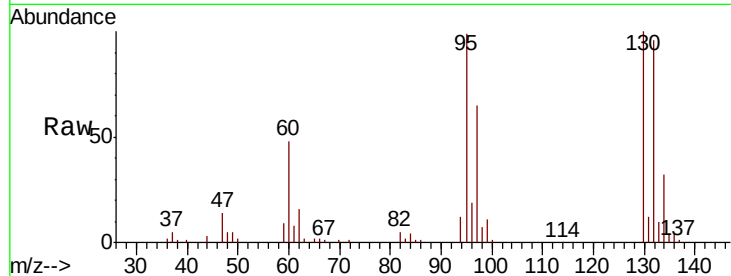
Ion Ratio Lower Upper

95 100

97 66.1 45.1 83.9

132 97.1 66.2 123.0

130 101.5 69.1 128.3

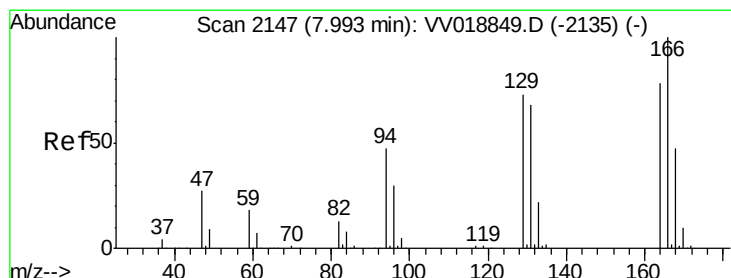
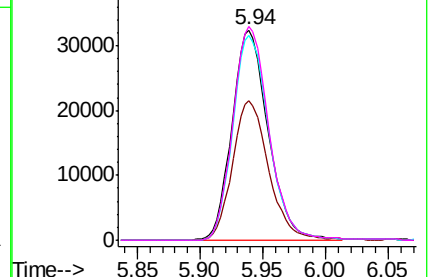
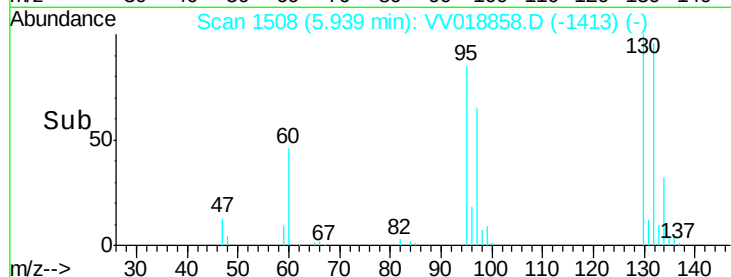


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 1.383 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV018858.D

Acq: 12 Oct 2020 15:54

Tgt Ion: 164 Resp: 2964

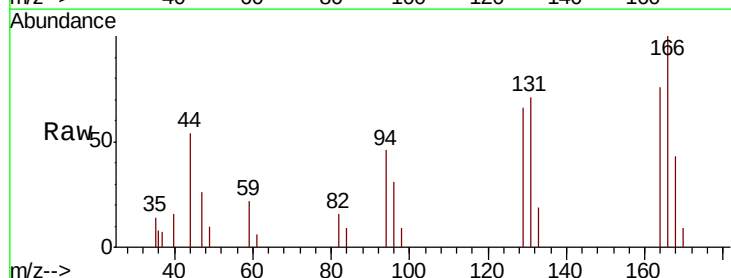
Ion Ratio Lower Upper

164 100

129 86.7 64.6 120.0

131 93.8 63.6 118.0

166 131.9 88.3 164.1

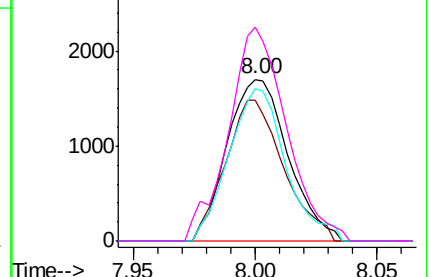
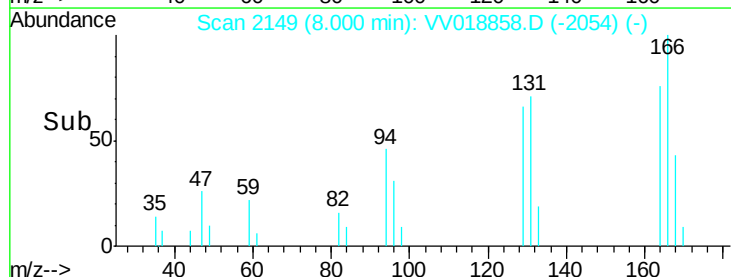


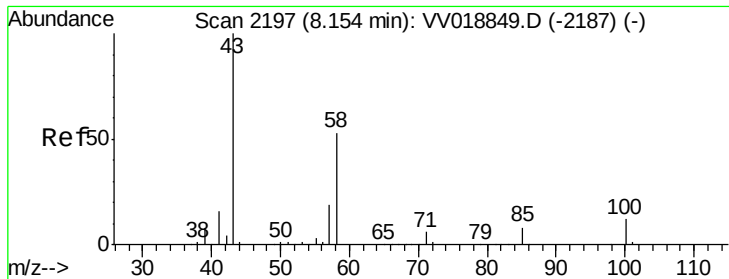
Abundance Ion 164.00 (163.70 to 164.70): V

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

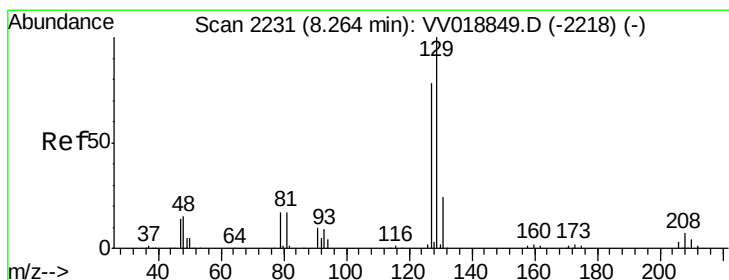
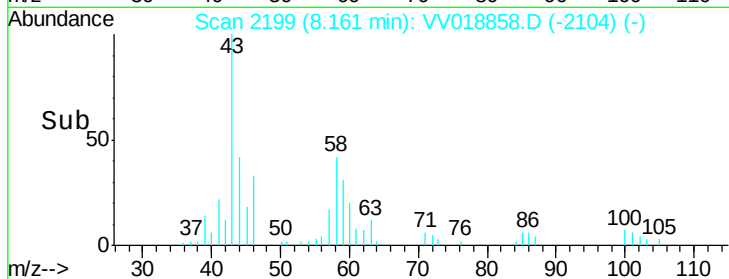
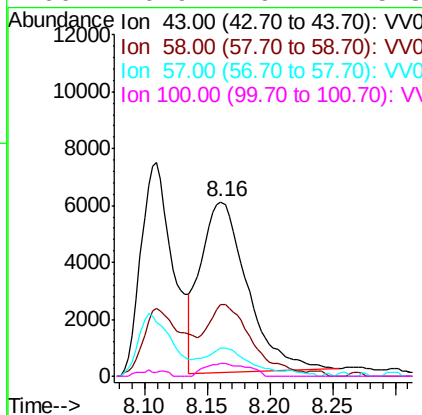
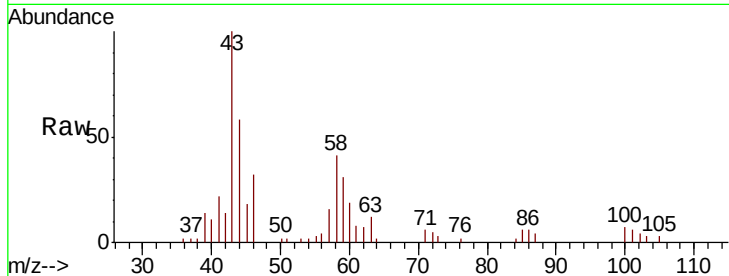




#48
2-Hexanone
Concen: 5.448 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.01 min
Lab File: VV018858.D
Acq: 12 Oct 2020 15:54

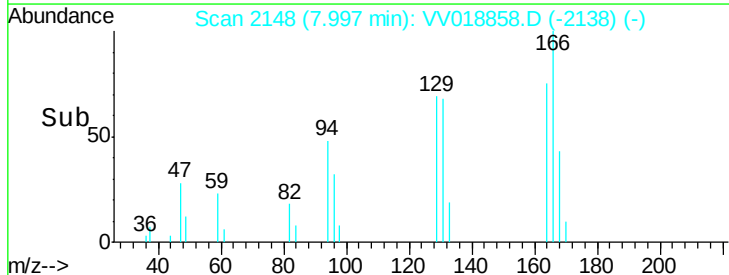
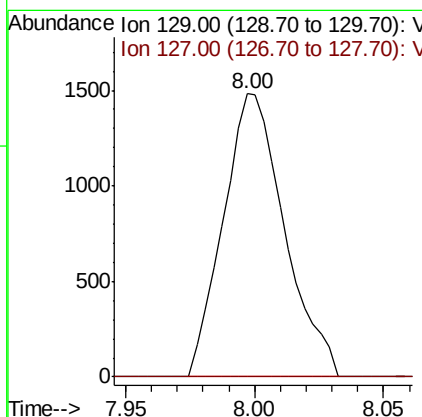
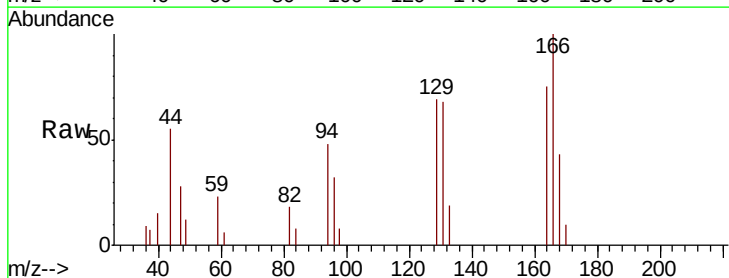
Instrument :
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C0AH6

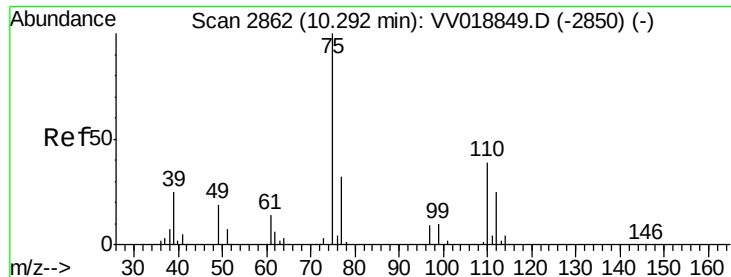
Tot Ion: 43 Resp: 15598
Ion Ratio Lower Upper
43 100
58 38.9 41.8 62.8#
57 12.6 14.9 22.3#
100 6.9 9.2 13.8#



#49
Dibromochloromethane
Concen: 0.894 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV018858.D
Acq: 12 Oct 2020 15:54

Tgt Ion: 129 Resp: 2450
Ion Ratio Lower Upper
129 100
127 0.0 55.3 102.7#





#59

1,2,3-Trichloropropane

Concen: 5.678 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018858.D

Acq: 12 Oct 2020 15:54

Instrument :

MSVOA_V

ClientSampleId :

C0AH6

Tot Ion: 75 Resp: 18853

Ion Ratio Lower Upper

75 100

77 38.2 25.9 38.9

