

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101020\
 Data File : VV018840.D
 Acq On : 10 Oct 2020 18:11
 Operator : SY/MD
 Sample : L4351-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AH9

Quant Time: Oct 12 04:52:56 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	302697	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	293095	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	132134	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	89469	32.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.06%
7) Chloroethane-d5	1.58	69	82710	37.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.72%
11) 1,1-Dichloroethene-d2	2.12	63	149391	28.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.34%#
21) 2-Butanone-d5	3.91	46	161164	95.43	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.43%
24) Chloroform-d	4.38	84	199104	41.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.06%
26) 1,2-Dichloroethane-d4	5.06	65	145123	44.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.24%
32) Benzene-d6	5.08	84	378199	40.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.20%
36) 1,2-Dichloropropane-d6	6.09	67	122269	39.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.50%
41) Toluene-d8	7.34	98	301723	36.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.06%#
43) trans-1,3-Dichloropropene-	7.64	79	52231	34.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.48%
47) 2-Hexanone-d5	8.11	63	89310	82.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.85%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	153128	43.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.56%
64) 1,2-Dichlorobenzene-d4	11.65	152	138114	47.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.46%

Target Compounds

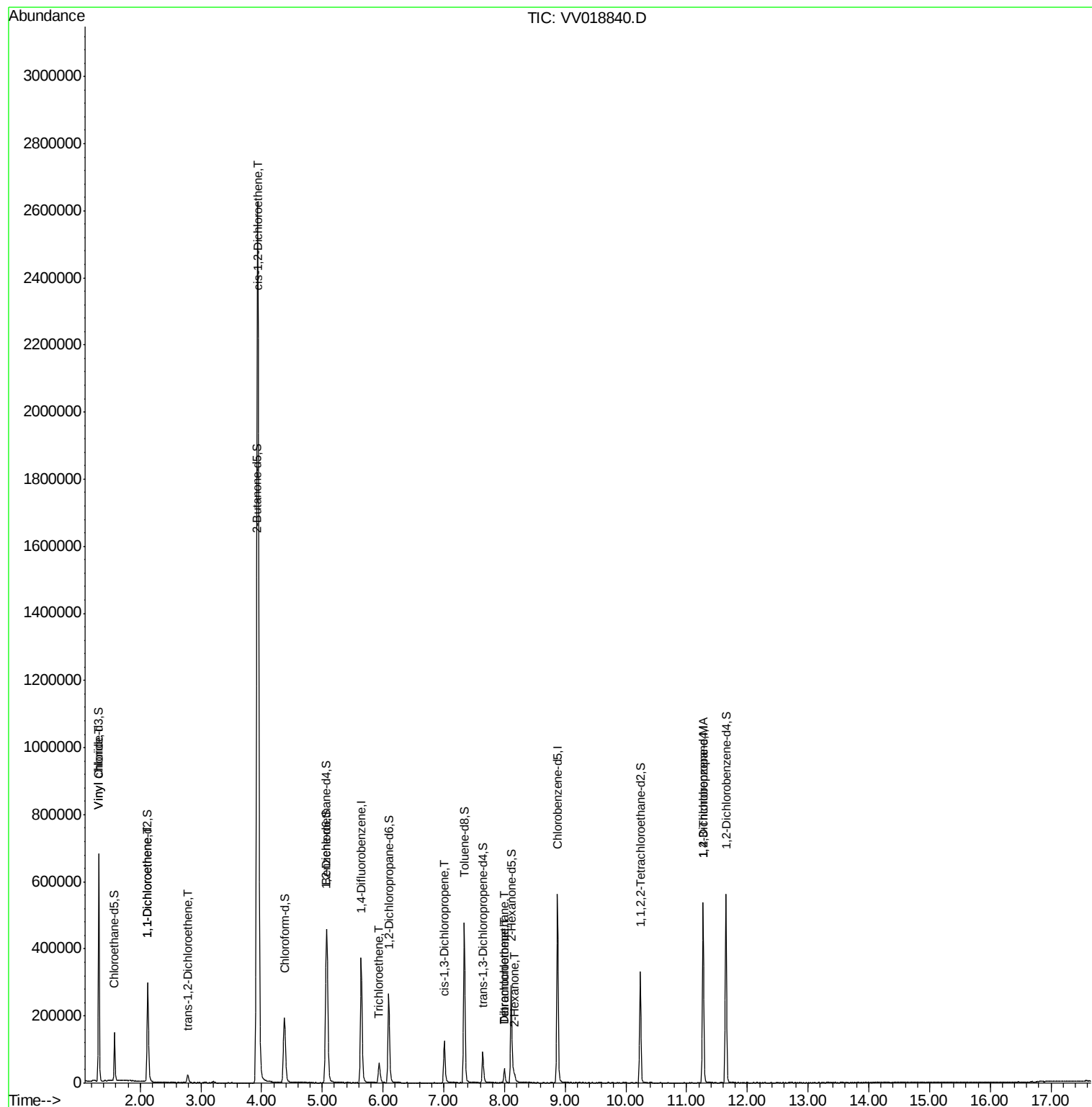
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	334372	125.108	ug/L	99
12) 1,1-Dichloroethene	2.14	96	24932	11.901	ug/L #	46
17) trans-1,2-Dichloroethene	2.78	96	7543	3.411	ug/L	90
20) cis-1,2-Dichloroethene	3.94	96	1392082	595.657	ug/L	100
34) Trichloroethene	5.94	95	13888	5.189	ug/L	98
39) cis-1,3-Dichloropropene	7.01	75	3426	0.949	ug/L #	81
46) Tetrachloroethene	8.00	164	9415	4.800	ug/L	97
48) 2-Hexanone	8.16	43	9140	3.488	ug/L	92
49) Dibromochloromethane	8.00	129	8014	3.196	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	15982	5.258	ug/L #	88

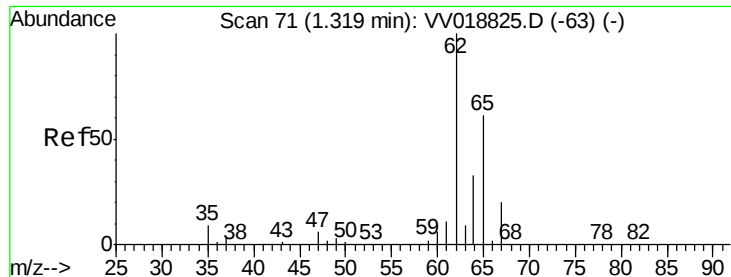
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 12 04:43:49 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 125.108 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018840.D

Acq: 10 Oct 2020 18:11

Instrument :

MSVOA_V

ClientSampled :

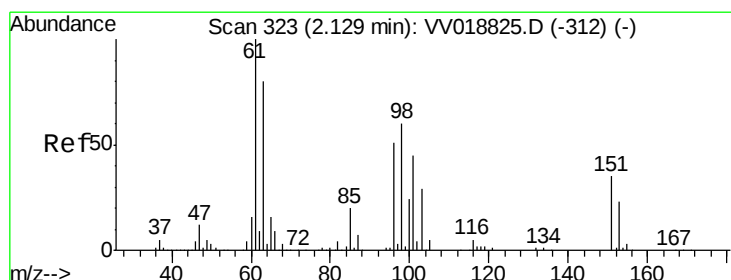
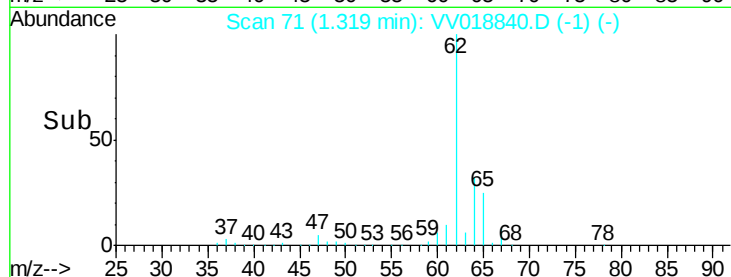
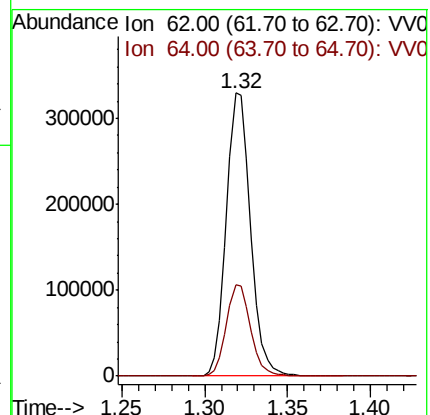
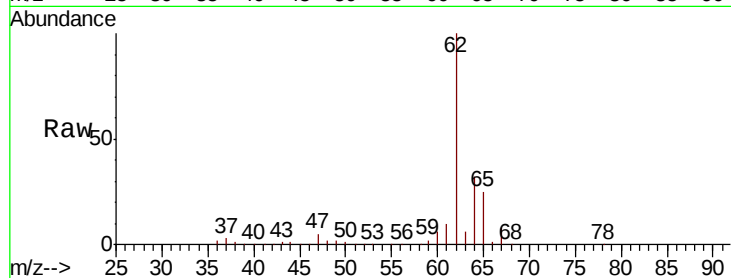
C0AH9

Tot Ion: 62 Resp: 334372

Ion Ratio Lower Upper

62 100

64 32.3 23.2 43.0



#12

1,1-Dichloroethene

Concen: 11.901 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV018840.D

Acq: 10 Oct 2020 18:11

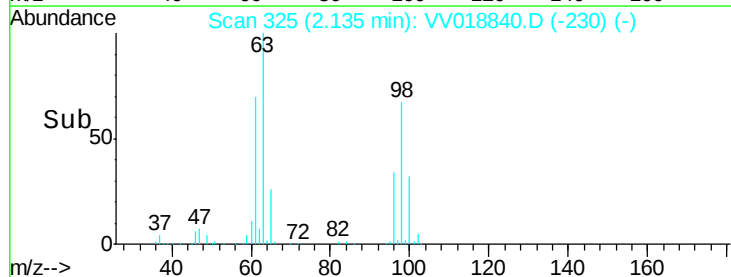
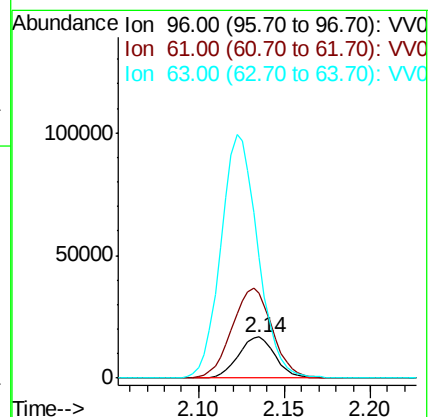
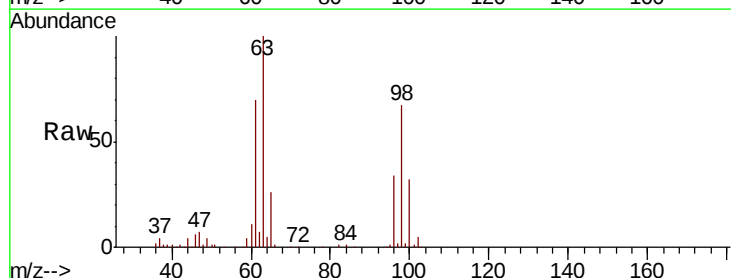
Tgt Ion: 96 Resp: 24932

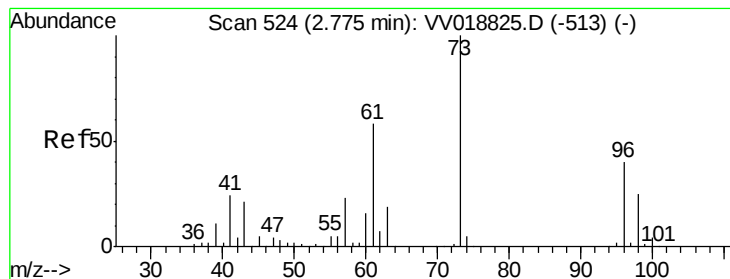
Ion Ratio Lower Upper

96 100

61 206.2 133.6 248.0

63 292.8 108.4 201.4#





#17

trans-1,2-Dichloroethene

Concen: 3.411 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV018840.D

Acq: 10 Oct 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

C0AH9

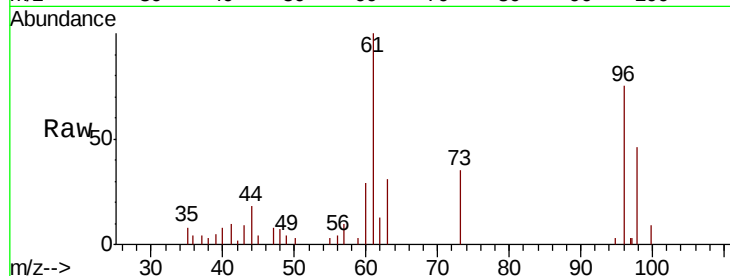
Tot Ion: 96 Resp: 7543

Ion Ratio Lower Upper

96 100

61 134.2 105.7 196.3

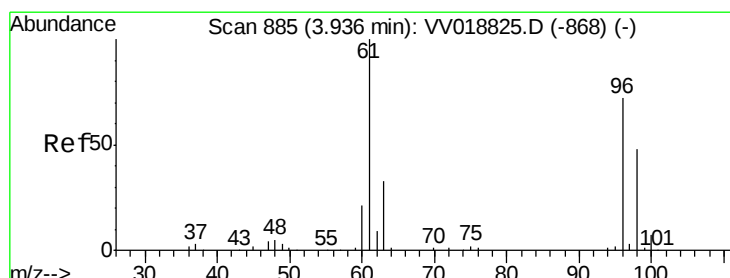
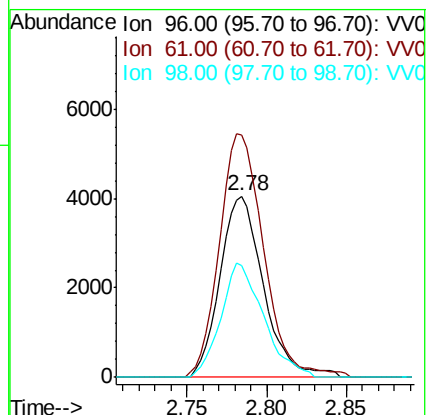
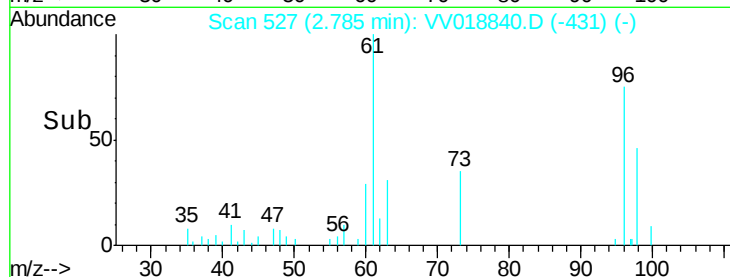
98 62.1 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV018840.D (-431) (-)

Ion 61.00 (60.70 to 61.70): VV018840.D (-431) (-)

Ion 98.00 (97.70 to 98.70): VV018840.D (-431) (-)



#20

cis-1,2-Dichloroethene

Concen: 595.657 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV018840.D

Acq: 10 Oct 2020 18:11

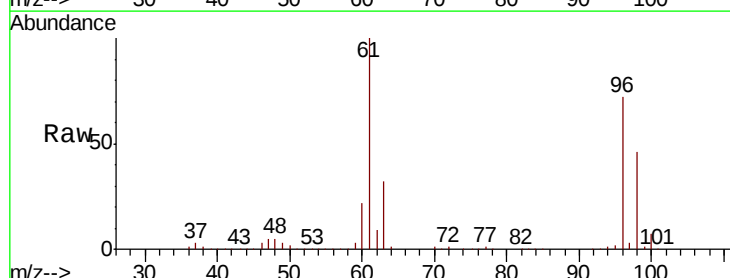
Tgt Ion: 96 Resp: 1392082

Ion Ratio Lower Upper

96 100

61 138.6 97.3 180.7

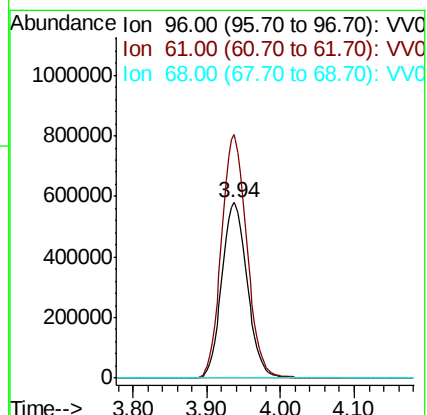
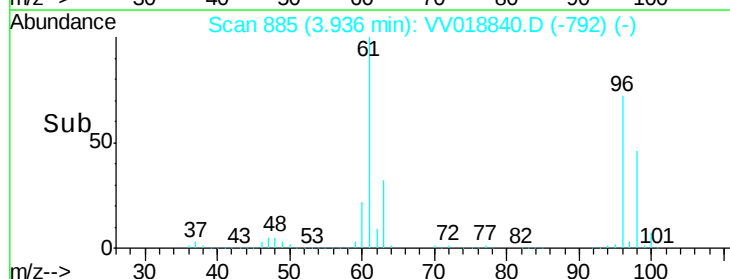
68 0.0 0.0 0.0

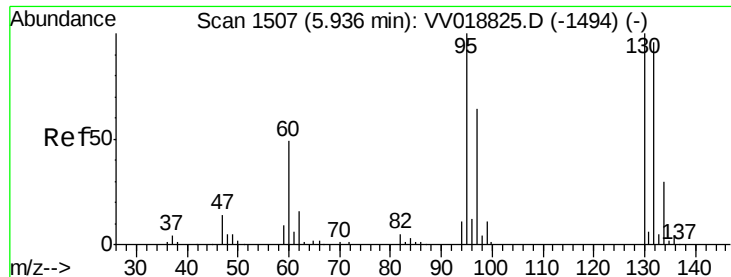


Abundance Ion 96.00 (95.70 to 96.70): VV018840.D (-792) (-)

Ion 61.00 (60.70 to 61.70): VV018840.D (-792) (-)

Ion 68.00 (67.70 to 68.70): VV018840.D (-792) (-)





#34

Trichloroethene

Concen: 5.189 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018840.D

Acq: 10 Oct 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

C0AH9

Tot Ion: 95 Resp: 13888

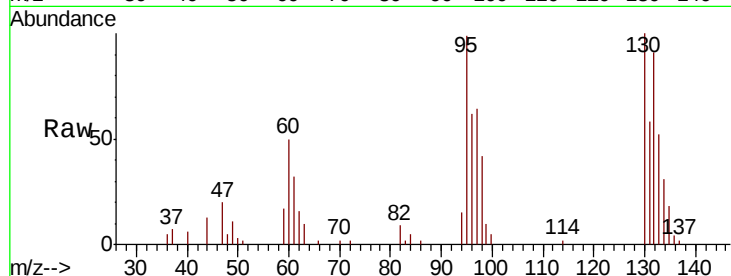
Ion Ratio Lower Upper

95 100

97 64.3 45.1 83.9

132 92.0 66.2 123.0

130 100.8 69.1 128.3



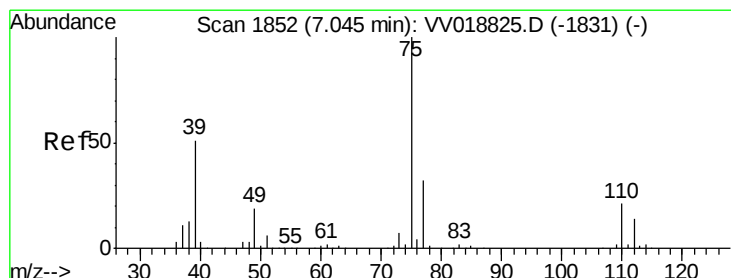
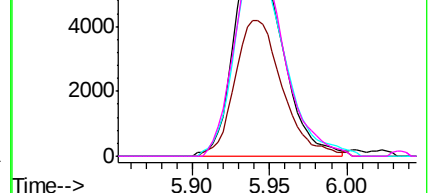
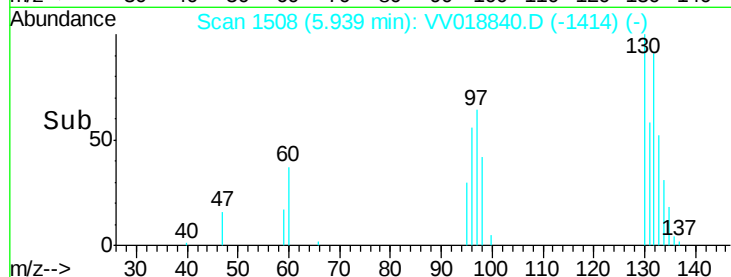
Abundance Ion 95.00 (94.70 to 95.70): VV018840.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV018840.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV018840.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV018840.D (-1414) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.949 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV018840.D

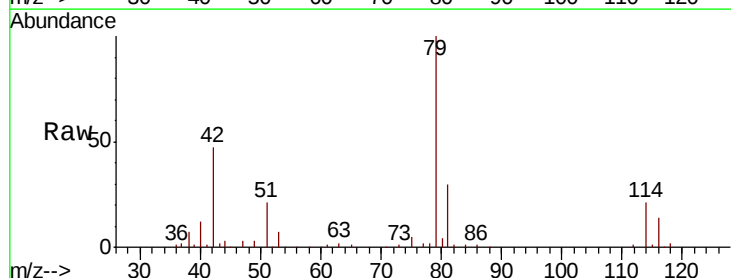
Acq: 10 Oct 2020 18:11

Tgt Ion: 75 Resp: 3426

Ion Ratio Lower Upper

75 100

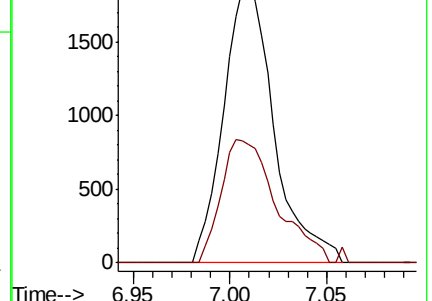
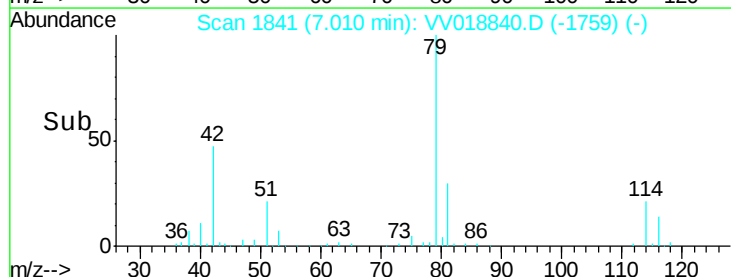
77 41.9 21.8 40.6#

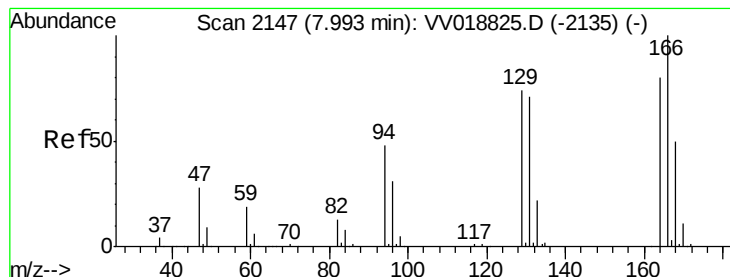


Abundance Ion 75.00 (74.70 to 75.70): VV018840.D (-1759) (-)

Ion 77.00 (76.70 to 77.70): VV018840.D (-1759) (-)

Time-->





#46

Tetrachloroethene

Concen: 4.800 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018840.D

Acq: 10 Oct 2020 18:11

Instrument :

MSVOA_V

ClientSampled :

C0AH9

Tot Ion:164 Resp: 9415

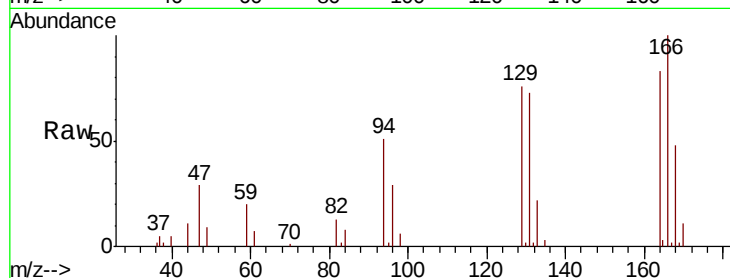
Ion Ratio Lower Upper

164 100

129 91.6 64.6 120.0

131 87.5 63.6 118.0

166 120.2 88.3 164.1

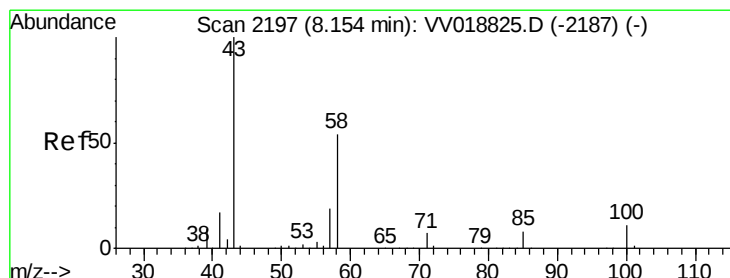
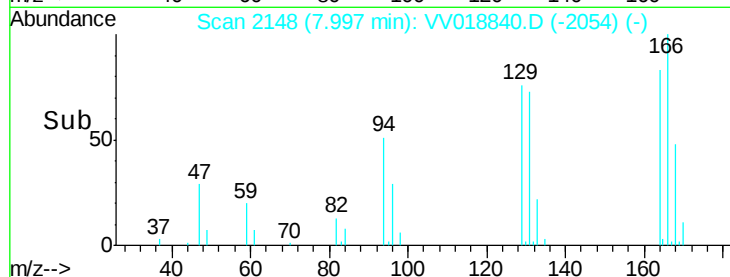
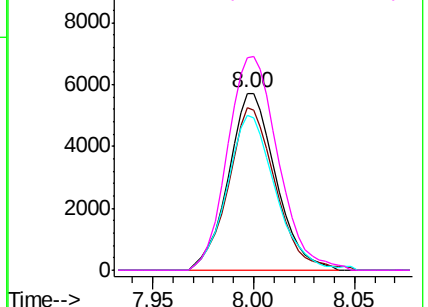


Abundance Ion 164.00 (163.70 to 164.70): V

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: 3.488 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018840.D

Acq: 10 Oct 2020 18:11

Tgt Ion: 43 Resp: 9140

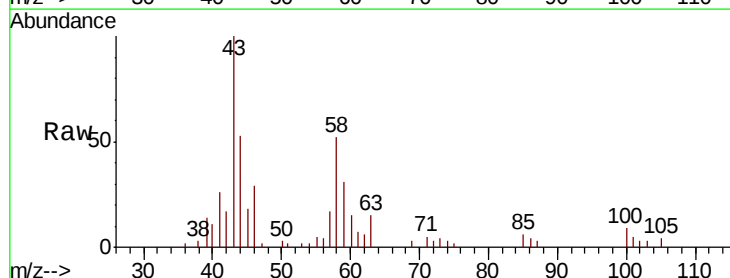
Ion Ratio Lower Upper

43 100

58 60.2 41.8 62.8

57 19.3 14.9 22.3

100 10.8 9.2 13.8

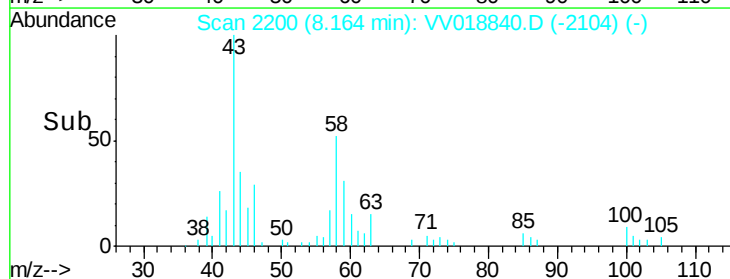
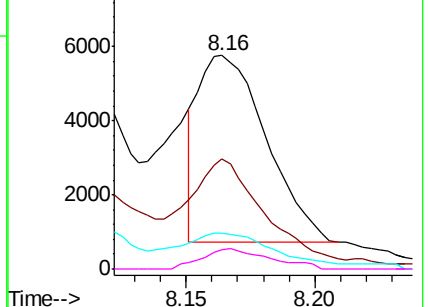


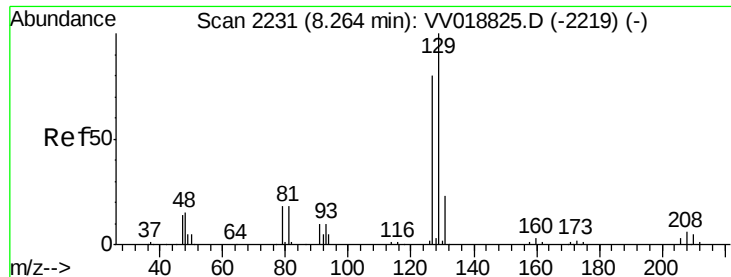
Abundance Ion 43.00 (42.70 to 43.70): VV0

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





#49

Dibromochloromethane

Concen: 3.196 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV018840.D

Acq: 10 Oct 2020 18:11

Instrument :

MSVOA_V

ClientSampleId :

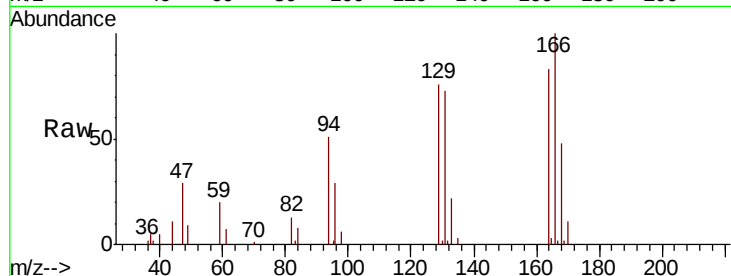
C0AH9

Tot Ion:129 Resp: 8014

Ion Ratio Lower Upper

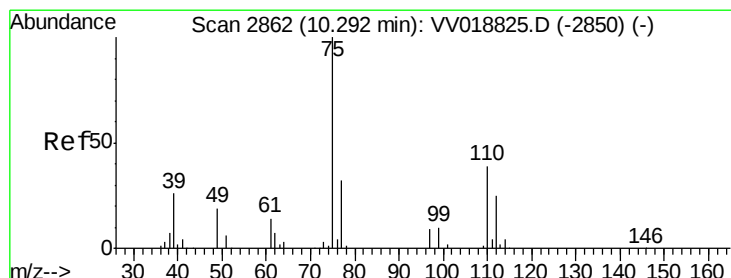
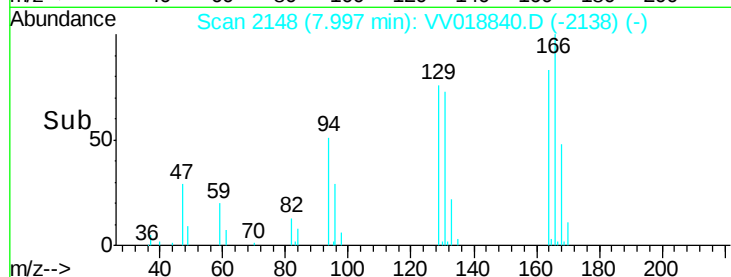
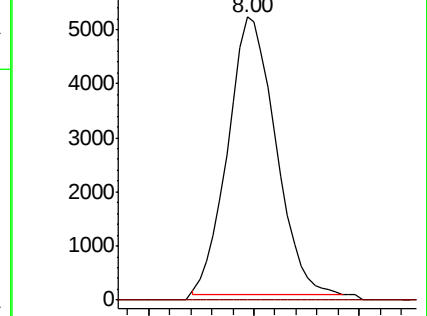
129 100

127 0.0 55.3 102.7#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 5.258 ug/L

RT: 11.27 min Scan# 3165

Delta R.T. 0.97 min

Lab File: VV018840.D

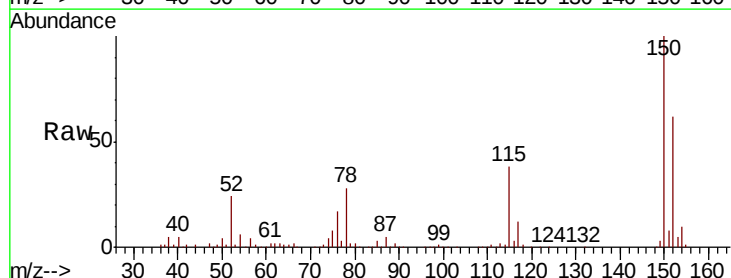
Acq: 10 Oct 2020 18:11

Tgt Ion: 75 Resp: 15982

Ion Ratio Lower Upper

75 100

77 39.3 25.9 38.9#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

