

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080720\
 Data File : VV017843.D
 Acq On : 07 Aug 2020 16:50
 Operator : SY/MD
 Sample : L3590-12DL 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L89DL

Quant Time: Aug 08 00:26:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 08 00:22:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	237411	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	232913	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	131945	50.00	ug/L	0.00

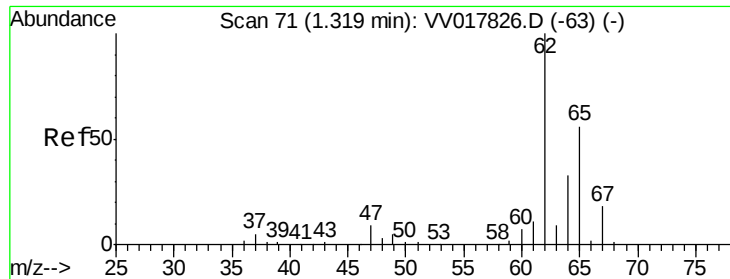
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	40106	34.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.28%
7) Chloroethane-d5	1.58	69	41520	42.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.00%
11) 1,1-Dichloroethene-d2	2.12	63	88228	31.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.42%
21) 2-Butanone-d5	3.91	46	82227	94.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.46%
24) Chloroform-d	4.37	84	148454	46.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.84%
26) 1,2-Dichloroethane-d4	5.05	65	115572	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.02%
32) Benzene-d6	5.07	84	248200	45.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.08%
36) 1,2-Dichloropropane-d6	6.09	67	67854	44.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.18%
41) Toluene-d8	7.34	98	251554	46.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.12%
43) trans-1,3-Dichloropropene-	7.64	79	29050	28.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.76%#
47) 2-Hexanone-d5	8.11	63	58869	90.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.00%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	103308	44.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.92%
64) 1,2-Dichlorobenzene-d4	11.65	152	129118	49.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.70%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	2890	1.716 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1075	0.702 ug/L #	25
12) 1,1-Dichloroethene	2.13	96	1244	0.871 ug/L #	1
16) Methylene chloride	2.53	84	1374	0.815 ug/L	92
17) trans-1,2-Dichloroethene	2.78	96	2333	1.448 ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	81232	47.202 ug/L	97
34) Trichloroethene	5.94	95	81034	45.133 ug/L	99
39) cis-1,3-Dichloropropene	7.01	75	2397	0.902 ug/L	90
46) Tetrachloroethene	8.00	164	1314	0.826 ug/L	82
48) 2-Hexanone	8.16	43	4138	2.577 ug/L #	51
70) 1,2,3-Trichlorobenzene	13.77	180	1599	0.563 ug/L #	76

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



#5

Vinyl chloride

Concen: 1.716 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017843.D

Acq: 07 Aug 2020 16:50

Instrument :

MSVOA_V

ClientSampleId :

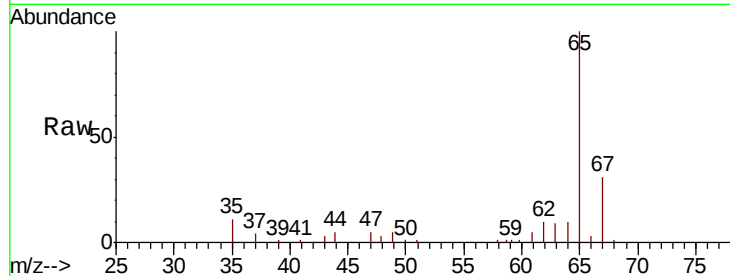
F2L89DL

Tot Ion: 62 Resp: 2890

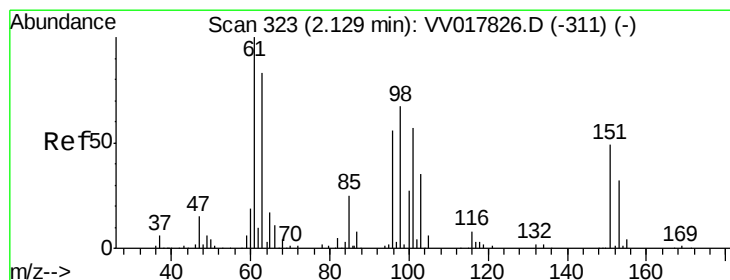
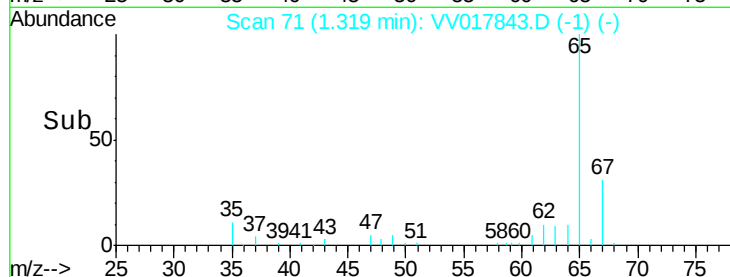
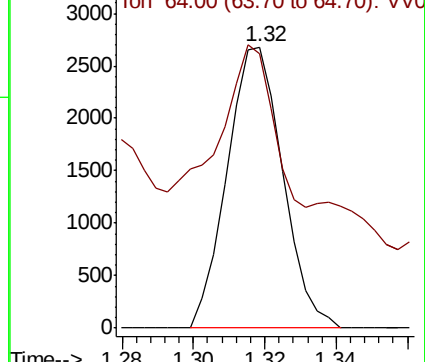
Ion Ratio Lower Upper

62 100

64 97.7 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VV017826.D (-63) (-)



#10

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

Concen: 0.702 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017843.D

Acq: 07 Aug 2020 16:50

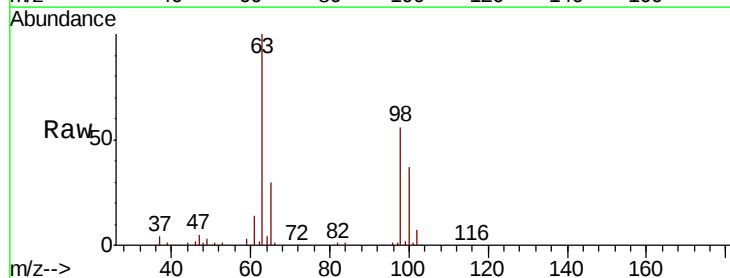
Tgt Ion: 101 Resp: 1075

Ion Ratio Lower Upper

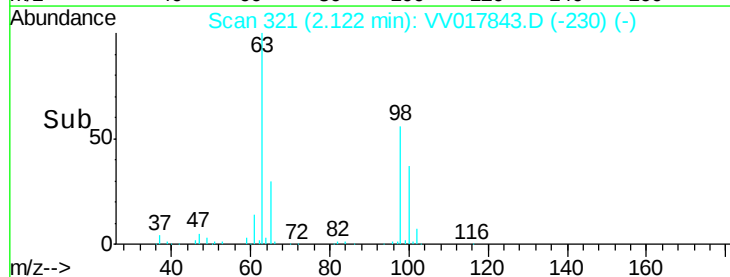
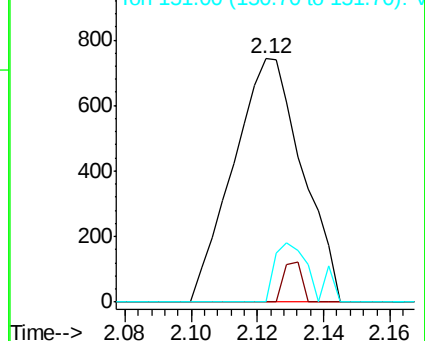
101 100

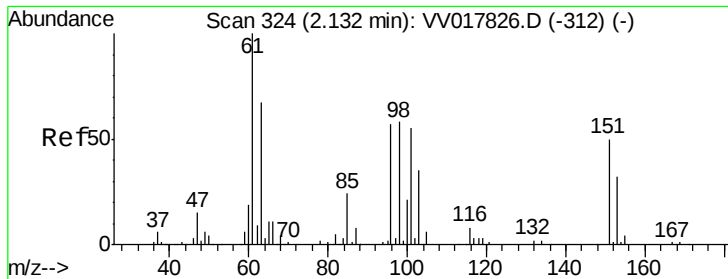
85 4.3 37.2 55.8#

151 10.9 68.2 102.2#



Abundance Ion 101.00 (100.70 to 101.70): VV017826.D (-311) (-)





#12

1,1-Dichloroethene

Concen: 0.871 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017843.D

Acq: 07 Aug 2020 16:50

Instrument :

MSVOA_V

ClientSampled :

F2L89DL

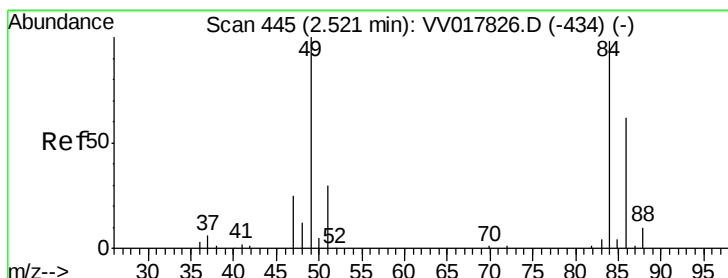
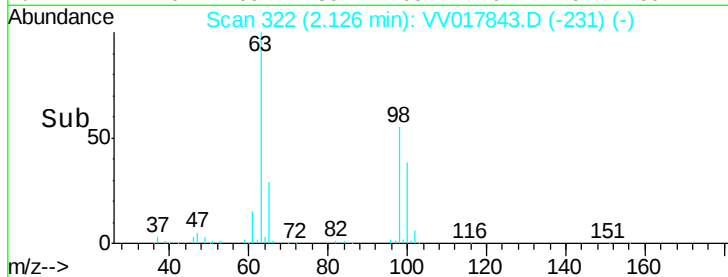
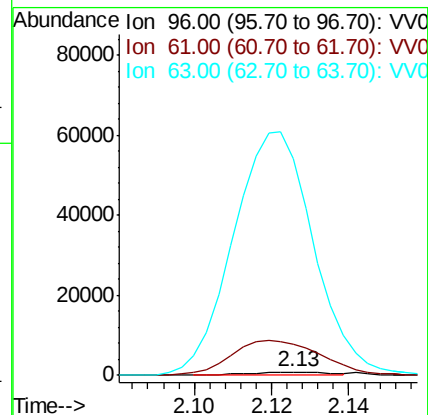
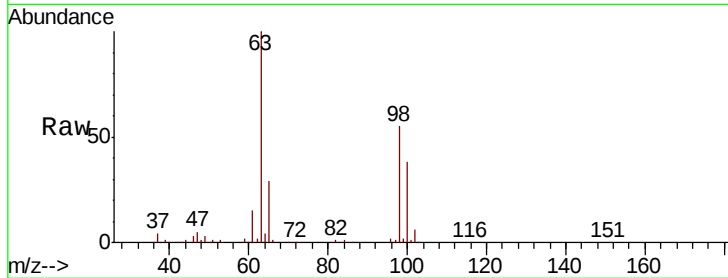
Tot Ion: 96 Resp: 1244

Ion Ratio Lower Upper

96 100

61 886.2 131.0 243.2#

63 6086.1 88.5 164.3#



#16

Methylene chloride

Concen: 0.815 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.01 min

Lab File: VV017843.D

Acq: 07 Aug 2020 16:50

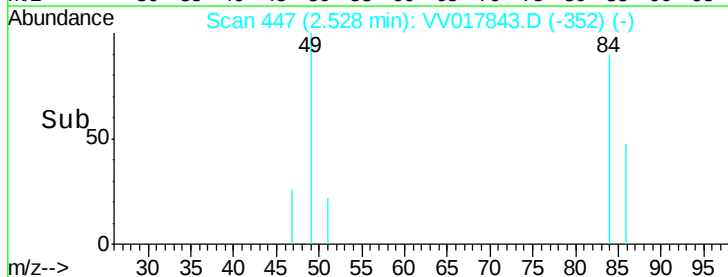
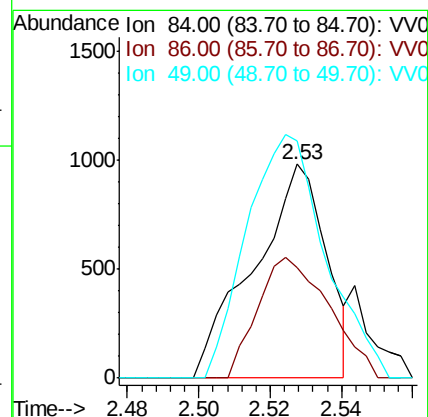
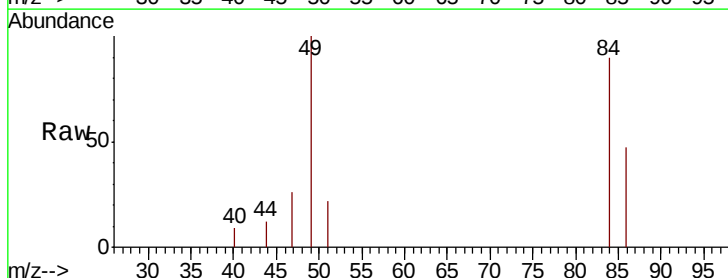
Tgt Ion: 84 Resp: 1374

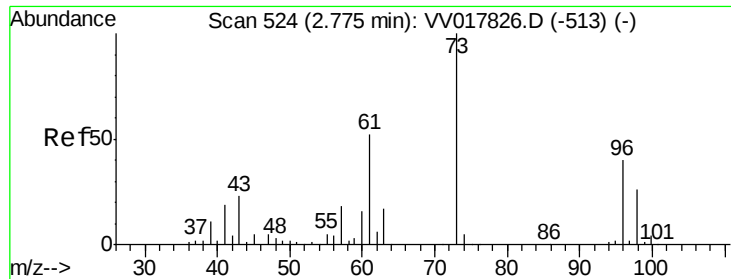
Ion Ratio Lower Upper

84 100

86 51.6 45.4 84.4

49 110.8 79.2 147.2





#17

trans-1,2-Dichloroethene

Concen: 1.448 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV017843.D

Acq: 07 Aug 2020 16:50

Instrument :

MSVOA_V

ClientSampleId :

F2L89DL

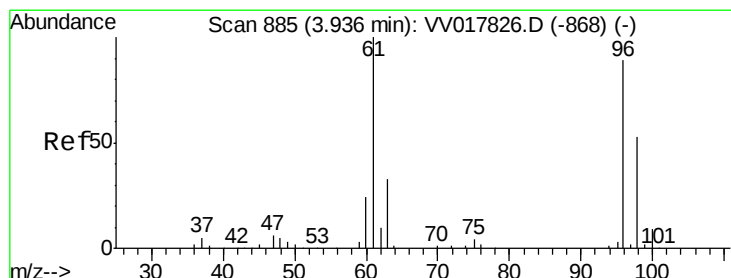
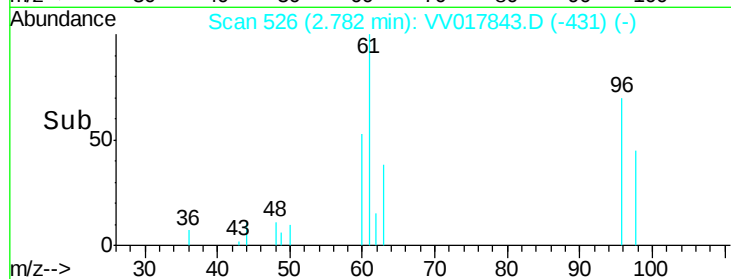
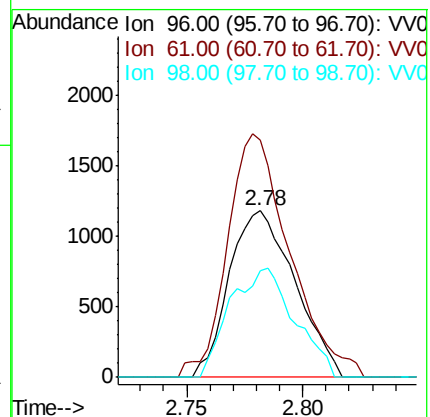
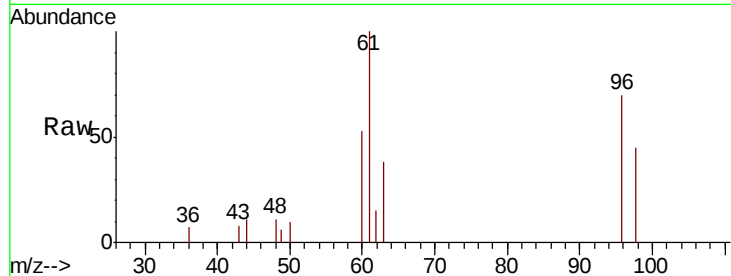
Tot Ion: 96 Resp: 2333

Ion Ratio Lower Upper

96 100

61 142.5 96.2 178.8

98 64.0 43.2 80.2



#20

cis-1,2-Dichloroethene

Concen: 47.202 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017843.D

Acq: 07 Aug 2020 16:50

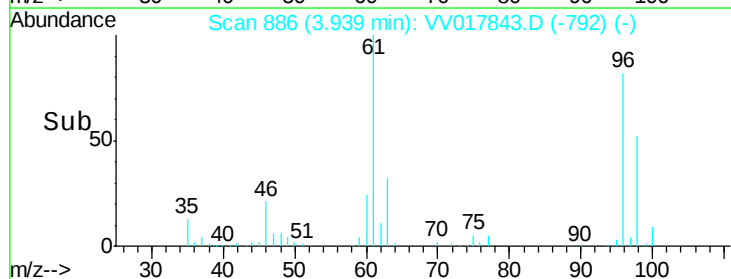
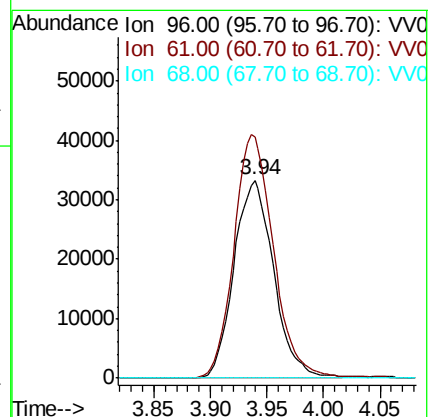
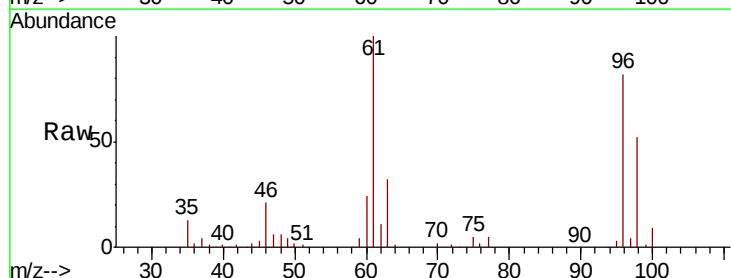
Tgt Ion: 96 Resp: 81232

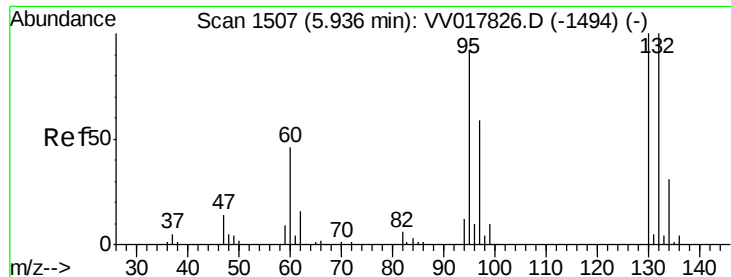
Ion Ratio Lower Upper

96 100

61 121.7 87.3 162.1

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 45.133 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017843.D

Acq: 07 Aug 2020 16:50

Instrument :

MSVOA_V

ClientSampleId :

F2L89DL

Tot Ion: 95 Resp: 81034

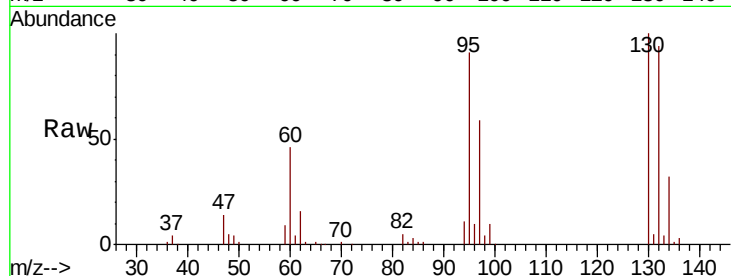
Ion Ratio Lower Upper

95 100

97 64.8 45.3 84.1

132 102.8 71.4 132.6

130 109.9 75.3 139.9

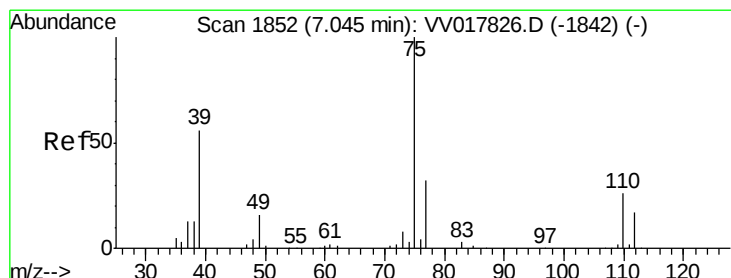
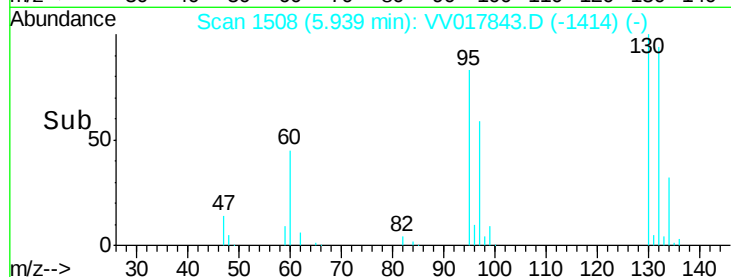
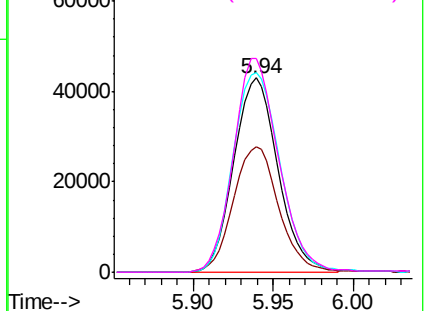


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 0.902 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV017843.D

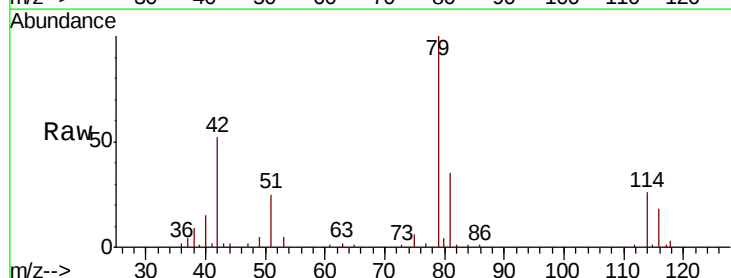
Acq: 07 Aug 2020 16:50

Tgt Ion: 75 Resp: 2397

Ion Ratio Lower Upper

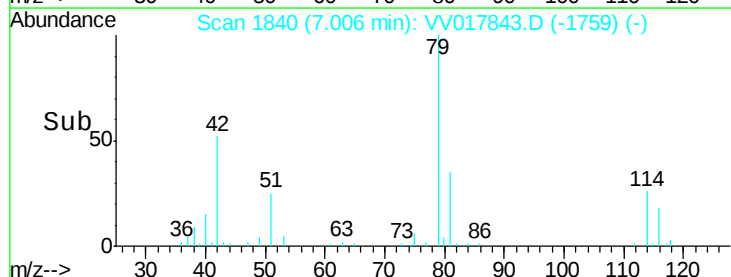
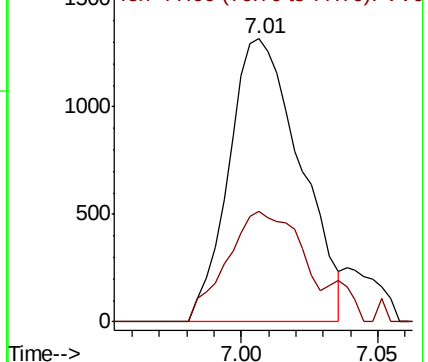
75 100

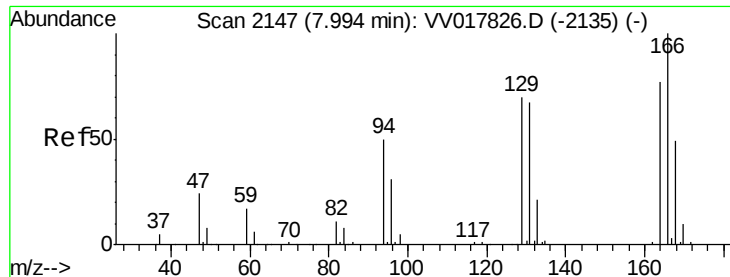
77 38.9 23.2 43.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#46

Tetrachloroethene

Concen: 0.826 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV017843.D

Acq: 07 Aug 2020 16:50

Instrument :

MSVOA_V

ClientSampleId :

F2L89DL

Tot Ion:164 Resp: 1314

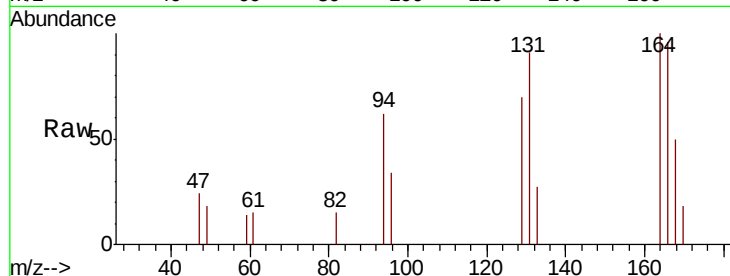
Ion Ratio Lower Upper

164 100

129 70.3 63.9 118.7

131 91.0 62.6 116.3

166 95.6 88.3 164.1

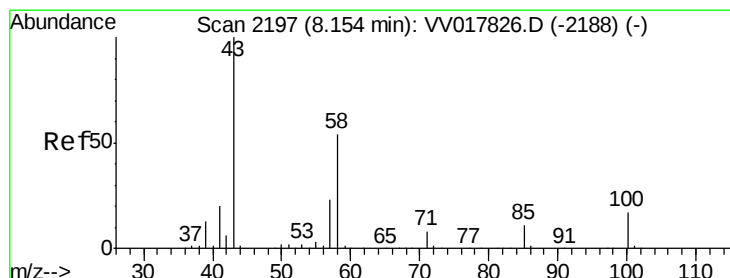
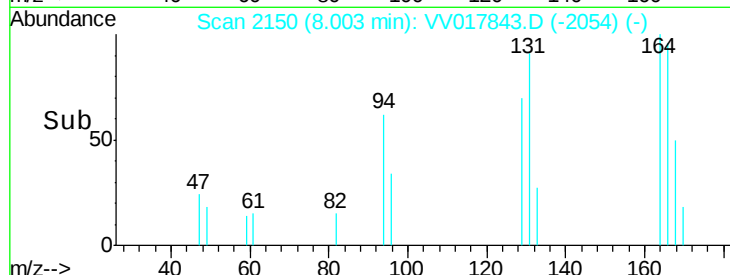
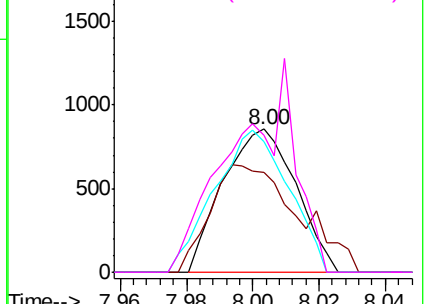


Abundance Ion 164.00 (163.70 to 164.70): V

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: 2.577 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.01 min

Lab File: VV017843.D

Acq: 07 Aug 2020 16:50

Tgt Ion: 43 Resp: 4138

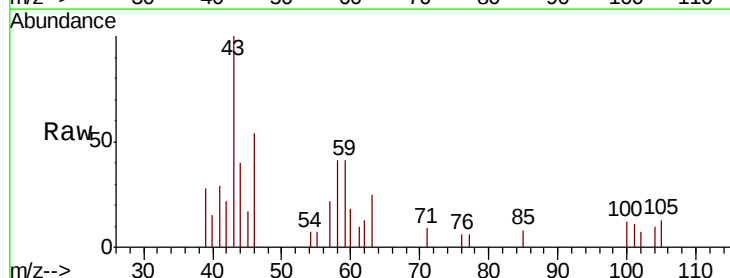
Ion Ratio Lower Upper

43 100

58 7.9 42.8 64.2#

57 8.1 16.6 24.8#

100 3.6 11.6 17.4#

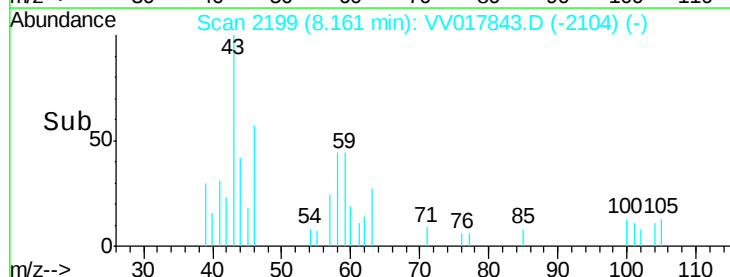
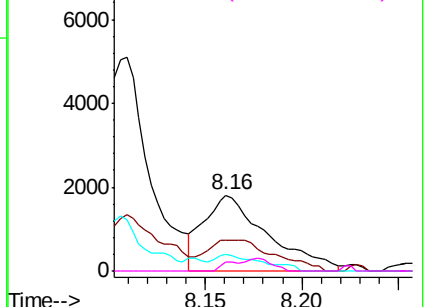


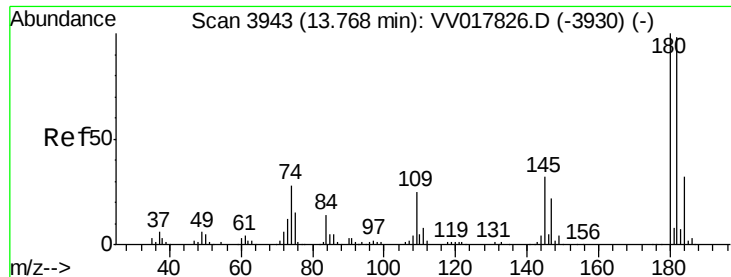
Abundance Ion 43.00 (42.70 to 43.70): VV0

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





#70

1,2,3-Trichlorobenzene

Concen: 0.563 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VV017843.D

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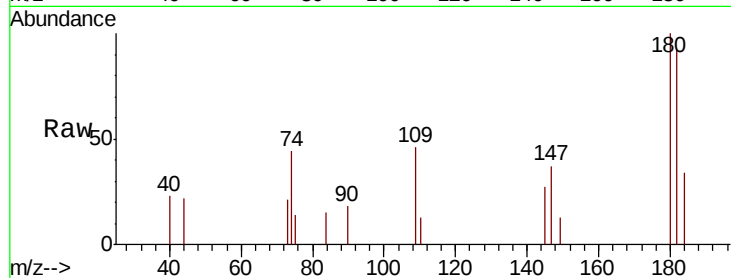
Tot Ion:180 Resp: 1599

Ion Ratio Lower Upper

180 100

182 77.7 76.7 115.1

145 10.5 26.4 39.6#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

