

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101920\
 Data File : VV018986.D
 Acq On : 19 Oct 2020 23:57
 Operator : SY/MD
 Sample : L4426-14 40X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Z6

Quant Time: Oct 20 03:25:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 20 03:20:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	334973	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	329616	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	149242	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	84988	30.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.64%
7) Chloroethane-d5	1.58	69	81705	37.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.80%
11) 1,1-Dichloroethene-d2	2.12	63	137642	26.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.88%#
21) 2-Butanone-d5	3.90	46	170674	88.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.80%
24) Chloroform-d	4.38	84	200875	40.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.10%
26) 1,2-Dichloroethane-d4	5.05	65	144399	43.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.82%
32) Benzene-d6	5.07	84	381797	39.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.36%
36) 1,2-Dichloropropane-d6	6.09	67	134377	43.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.36%
41) Toluene-d8	7.34	98	314823	36.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.94%#
43) trans-1,3-Dichloropropene-	7.64	79	57270	38.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.16%
47) 2-Hexanone-d5	8.11	63	97395	85.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.22%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	144940	40.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	135512	44.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.26%

Target Compounds

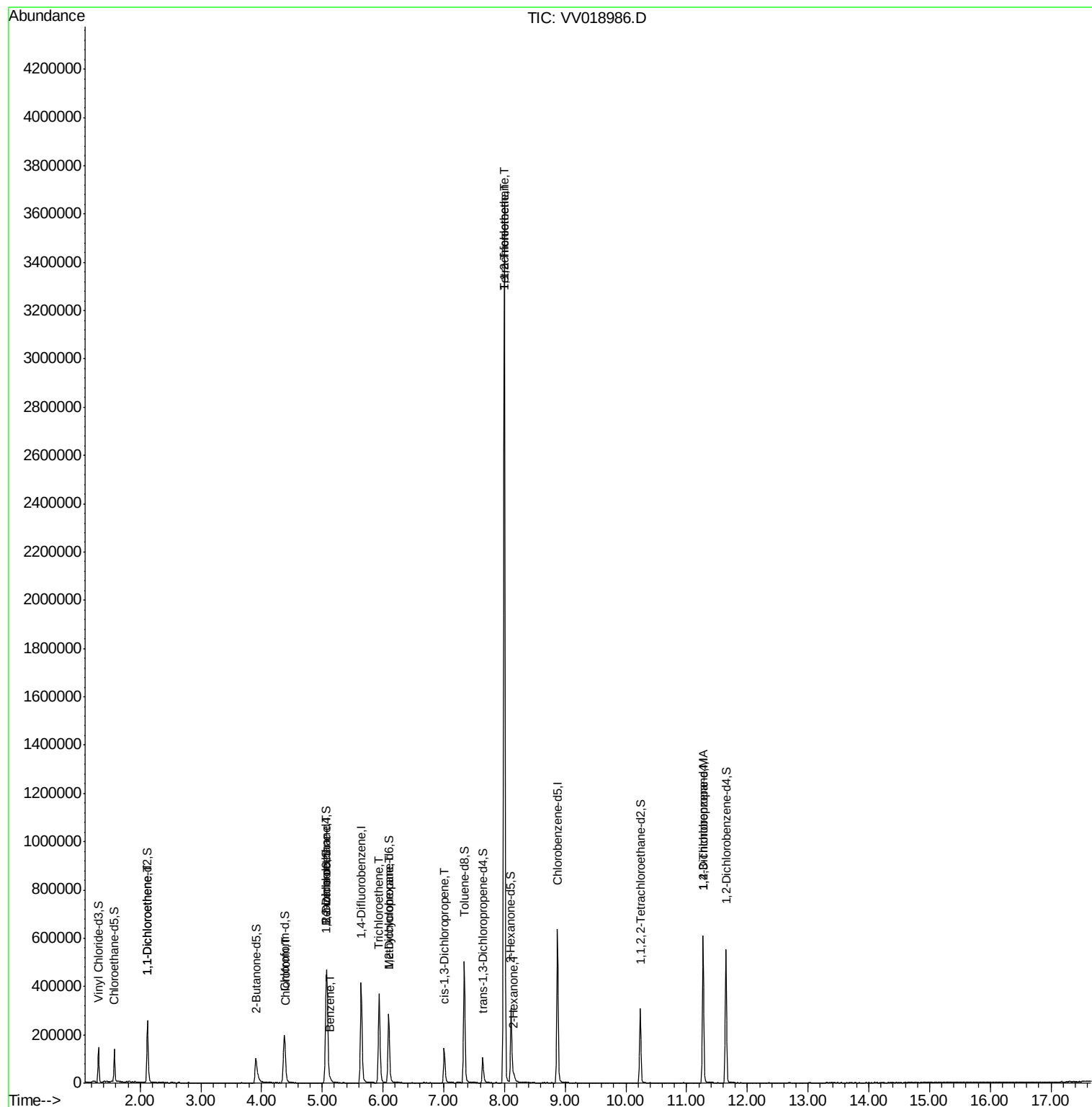
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.13	96	3153	1.432	ug/L #	1
25) Chloroform	4.40	83	4705	0.984	ug/L	78
27) 1,2-Dichloroethane	5.07	62	2608	0.668	ug/L	100
33) Benzene	5.13	78	13856	1.371	ug/L	100
34) Trichloroethene	5.94	95	119300	40.943	ug/L	99
35) Methylcyclohexane	6.09	83	32228	9.133	ug/L #	16
39) cis-1,3-Dichloropropene	7.01	75	3664	0.901	ug/L #	74
45) 1,1,2-Trichloroethane	7.99	97	6915	2.748	ug/L #	1
46) Tetrachloroethene	8.00	164	792740	386.043	ug/L	99
48) 2-Hexanone	8.16	43	14312	4.839	ug/L #	87
59) 1,2,3-Trichloropropane	11.27	75	18347	5.604	ug/L #	87

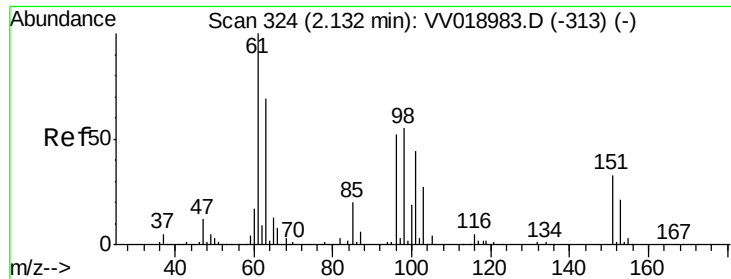
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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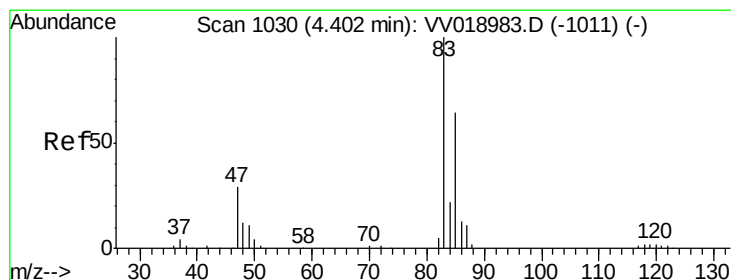
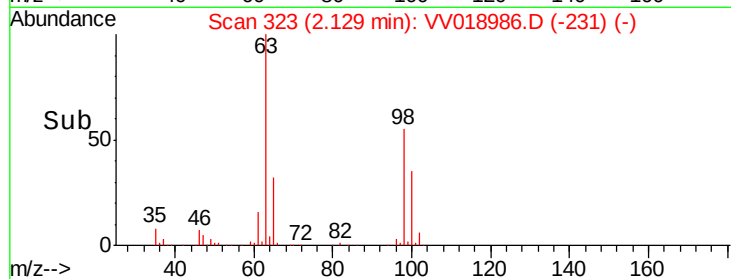
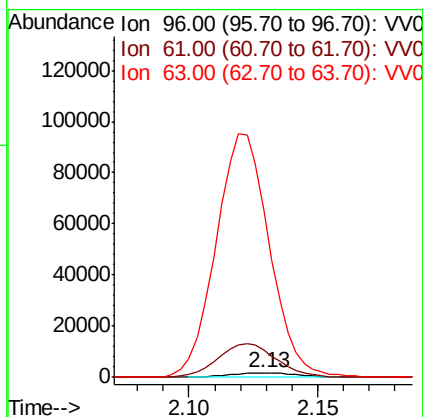
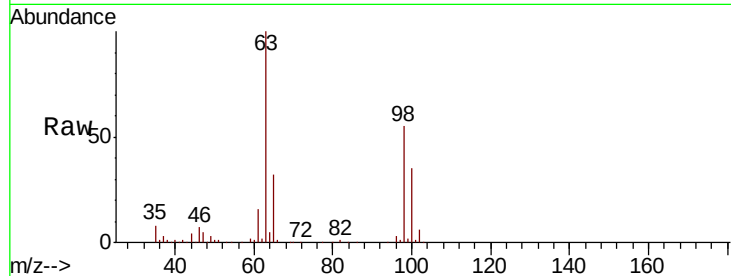




#12
 1,1-Dichloroethene
 Concen: 1.432 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: VV018986.D
 Acq: 19 Oct 2020 23:57

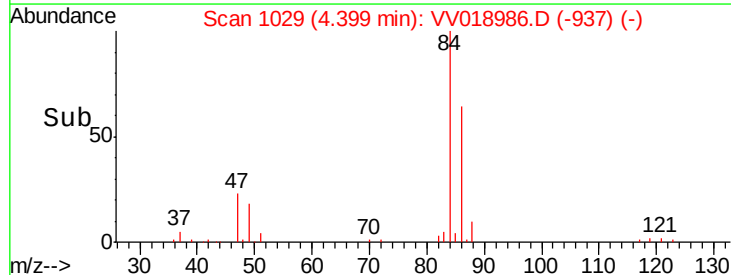
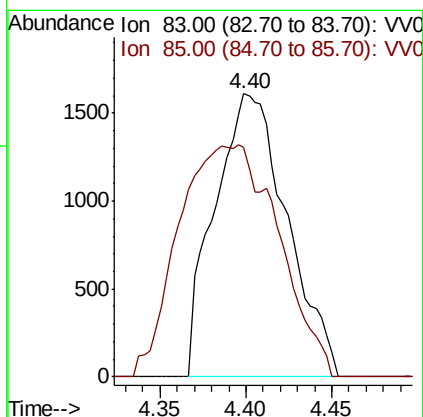
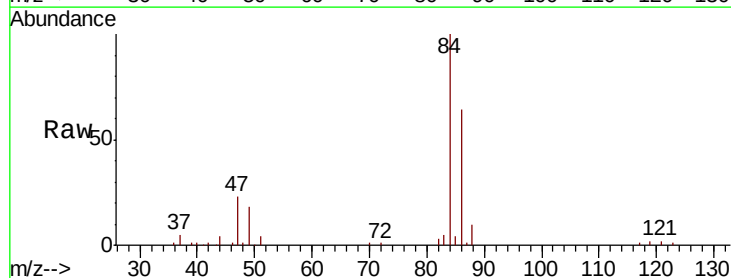
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Z6

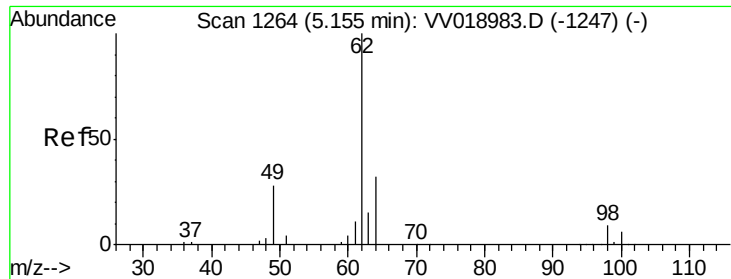
Tot Ion: 96 Resp: 3153
 Ion Ratio Lower Upper
 96 100
 61 578.7 133.5 247.9#
 63 3530.2 102.1 189.7#



#25
 Chloroform
 Concen: 0.984 ug/L
 RT: 4.40 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VV018986.D
 Acq: 19 Oct 2020 23:57

Tgt Ion: 83 Resp: 4705
 Ion Ratio Lower Upper
 83 100
 85 81.1 44.6 82.8

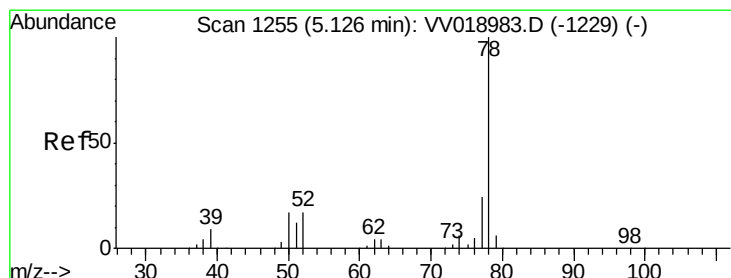
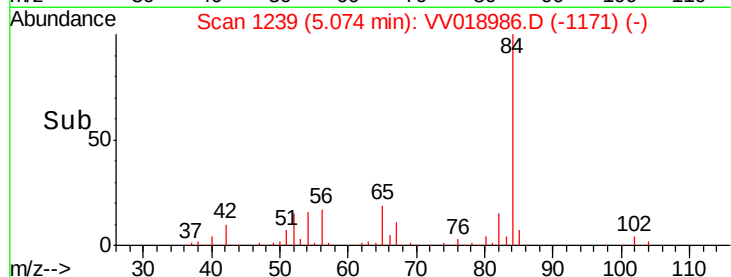
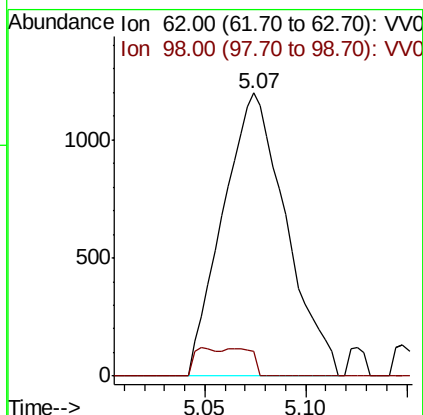
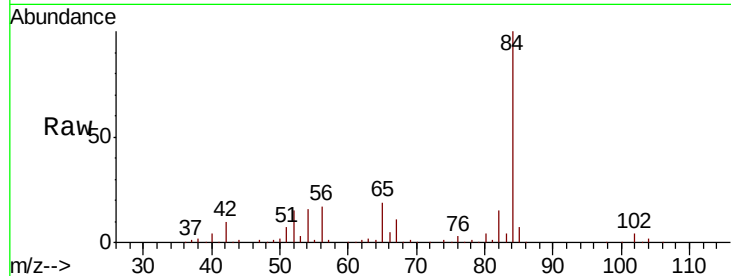




#27
 1,2-Dichloroethane
 Concen: 0.668 ug/L
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.08 min
 Lab File: VV018986.D
 Acq: 19 Oct 2020 23:57

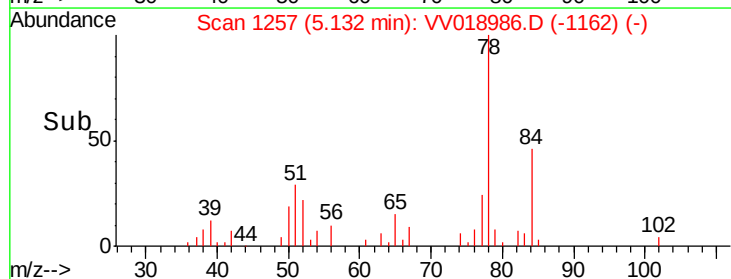
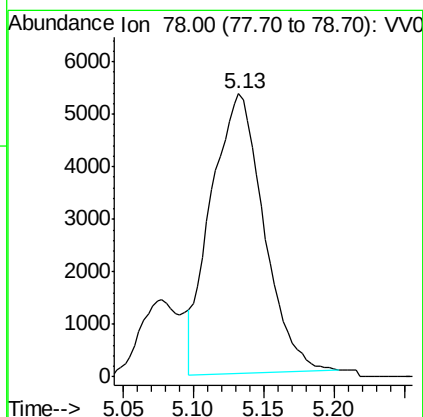
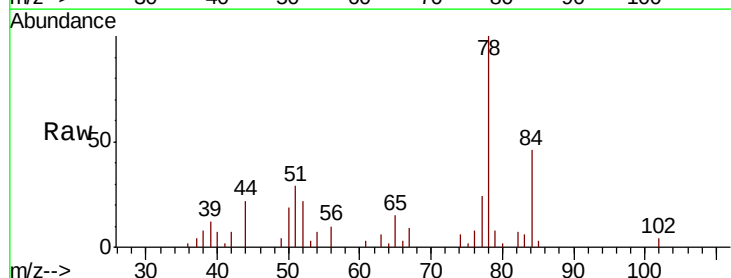
Instrument :
 MSVOA_V
 ClientSampled :
 BG3Z6

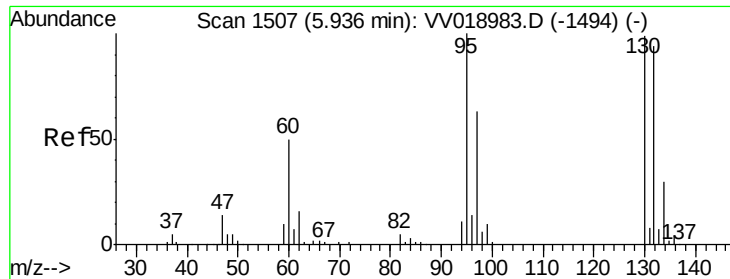
Tot Ion: 62 Resp: 2608
 Ion Ratio Lower Upper
 62 100
 98 8.8 7.0 10.6



#33
 Benzene
 Concen: 1.371 ug/L
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.01 min
 Lab File: VV018986.D
 Acq: 19 Oct 2020 23:57

Tgt Ion: 78 Resp: 13856





#34

Trichloroethene

Concen: 40.943 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018986.D

Acq: 19 Oct 2020 23:57

Instrument :

MSVOA_V

ClientSampleId :

BG3Z6

Tot Ion: 95 Resp: 119300

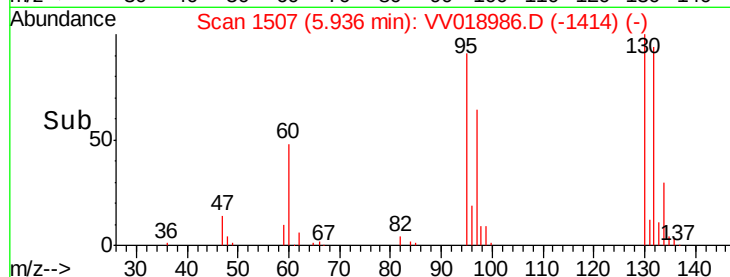
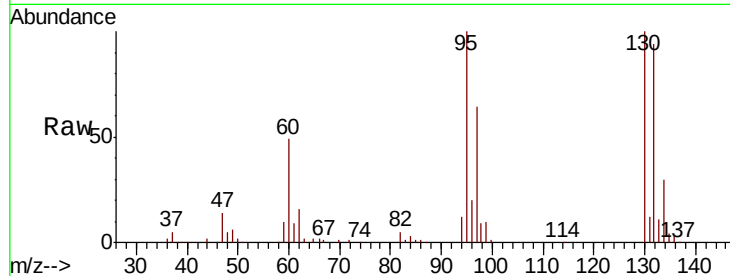
Ion Ratio Lower Upper

95 100

97 64.5 44.7 82.9

132 94.6 67.0 124.4

130 100.3 70.8 131.6

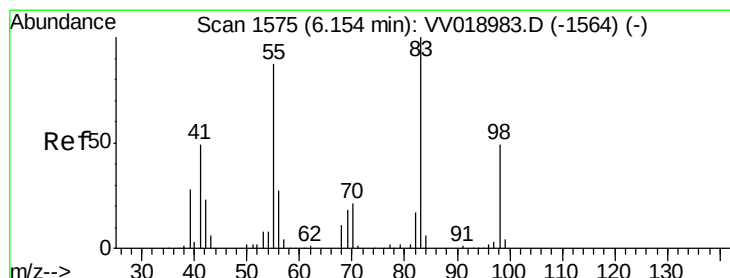
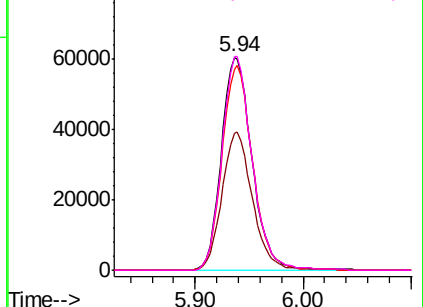


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#35

Methylcyclohexane

Concen: 9.133 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018986.D

Acq: 19 Oct 2020 23:57

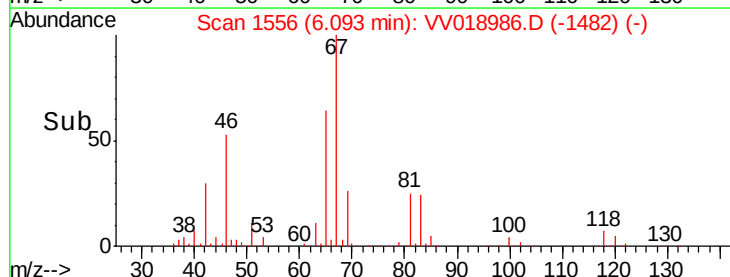
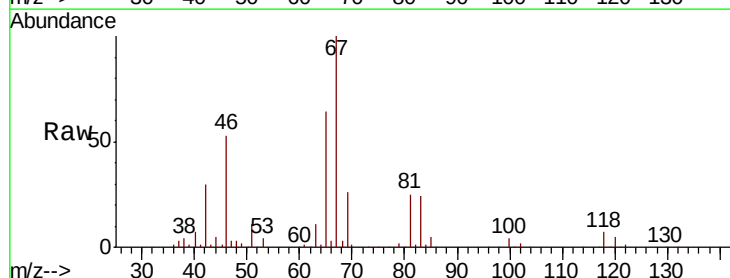
Tgt Ion: 83 Resp: 32228

Ion Ratio Lower Upper

83 100

55 0.4 67.3 100.9#

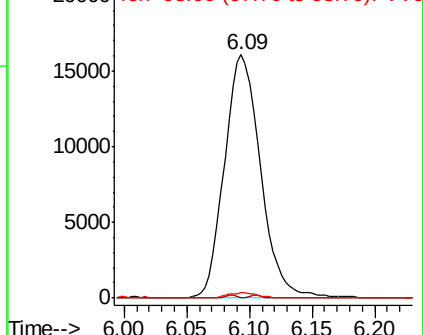
98 1.8 37.9 56.9#

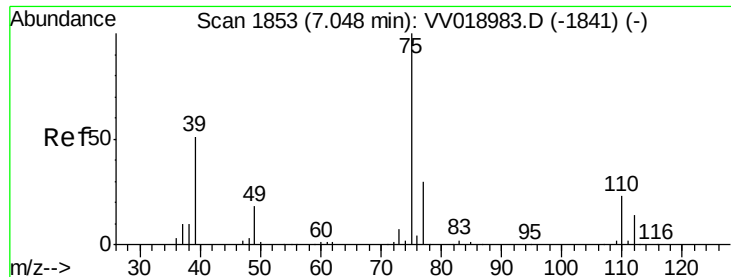


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#39

cis-1,3-Dichloropropene

Concen: 0.901 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018986.D

Acq: 19 Oct 2020 23:57

Instrument :

MSVOA_V

ClientSampleId :

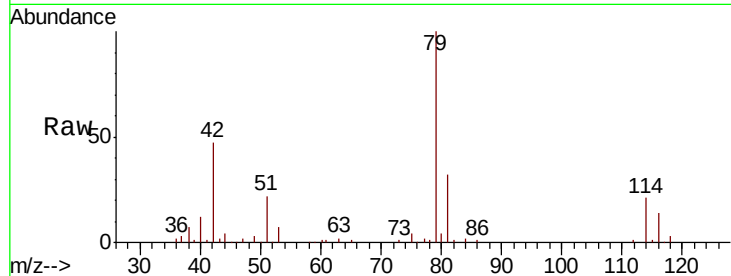
BG3Z6

Tot Ion: 75 Resp: 3664

Ion Ratio Lower Upper

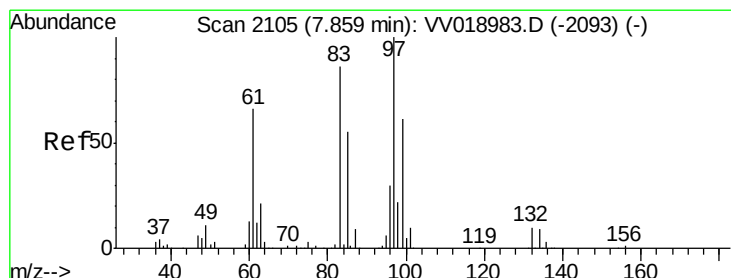
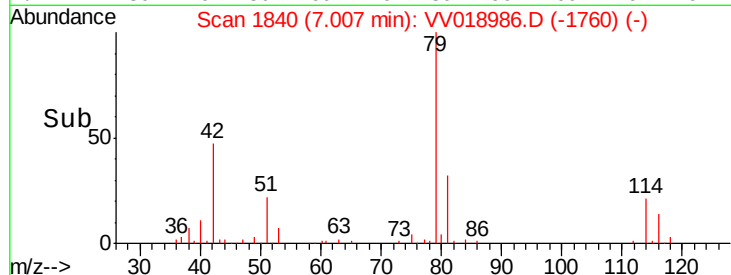
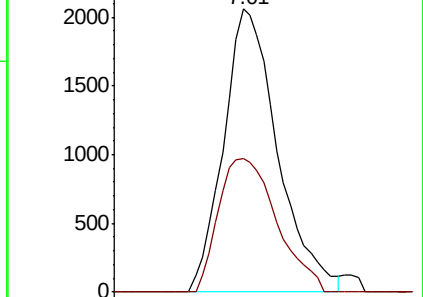
75 100

77 47.0 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VV018983.D (-1841) (-)

Ion 77.00 (76.70 to 77.70): VV018983.D (-1841) (-)



#45

1,1,2-Trichloroethane

Concen: 2.748 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.13 min

Lab File: VV018986.D

Acq: 19 Oct 2020 23:57

Tgt Ion: 97 Resp: 6915

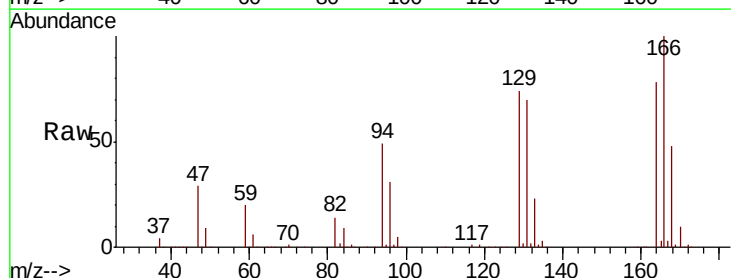
Ion Ratio Lower Upper

97 100

99 16.0 43.8 81.4#

83 256.4 61.0 113.4#

85 40.1 38.9 72.2

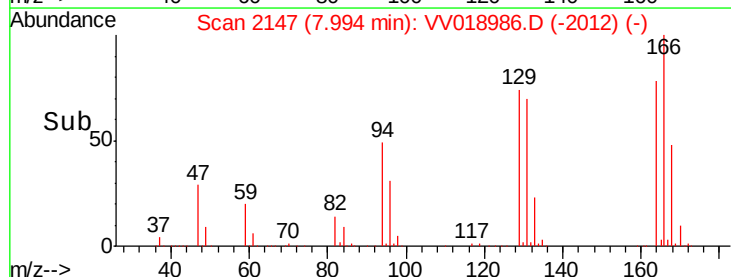
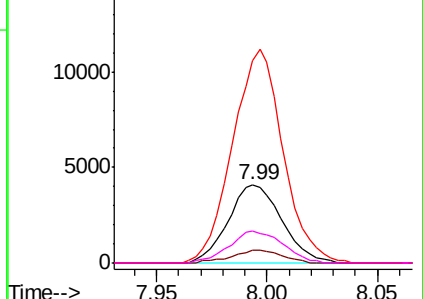


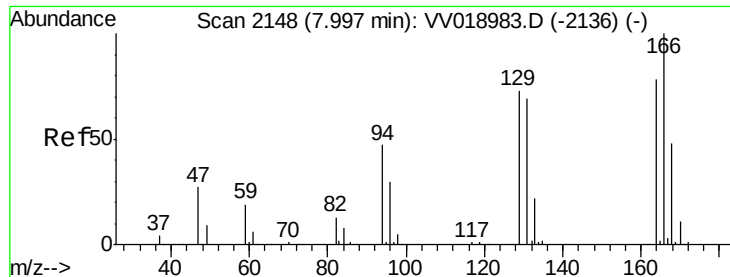
Abundance Ion 97.00 (96.70 to 97.70): VV018983.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV018983.D (-2093) (-)

Ion 83.00 (82.70 to 83.70): VV018983.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV018983.D (-2093) (-)





#46

Tetrachloroethene

Concen: 386.043 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV018986.D

Acq: 19 Oct 2020 23:57

Instrument :

MSVOA_V

ClientSampleId :

BG3Z6

Tot Ion:164 Resp: 792740

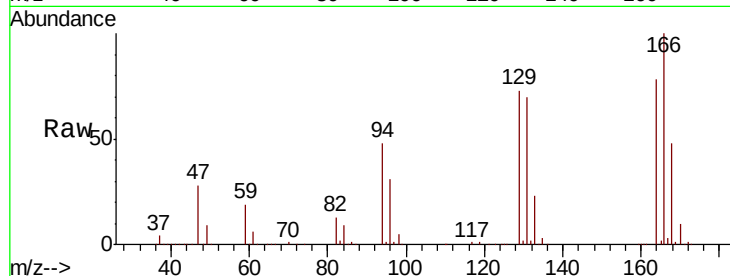
Ion Ratio Lower Upper

164 100

129 92.9 65.0 120.8

131 89.1 62.9 116.7

166 127.6 91.1 169.3

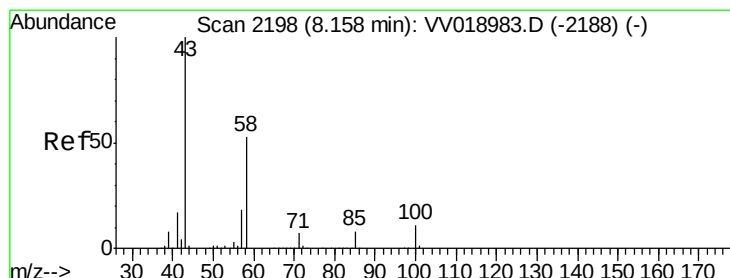
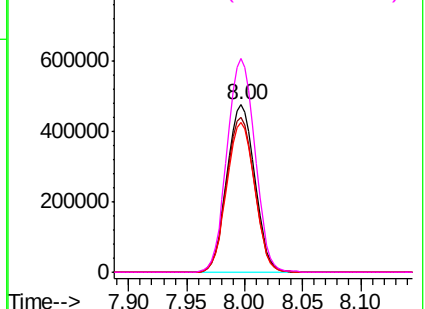
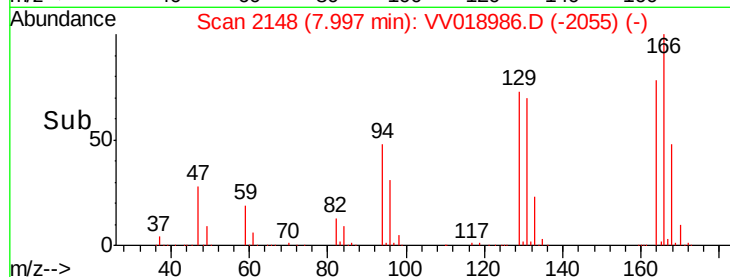


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.839 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV018986.D

Acq: 19 Oct 2020 23:57

Tgt Ion: 43 Resp: 14312

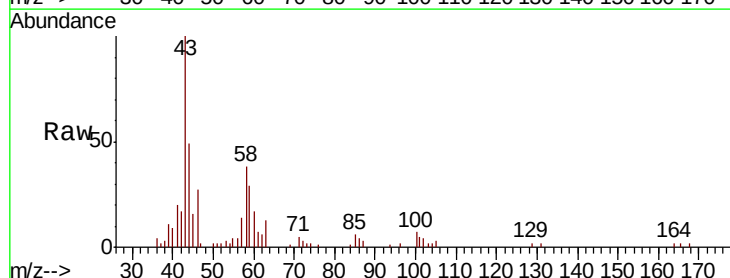
Ion Ratio Lower Upper

43 100

58 48.6 42.5 63.7

57 3.3 14.5 21.7#

100 7.1 9.0 13.4#

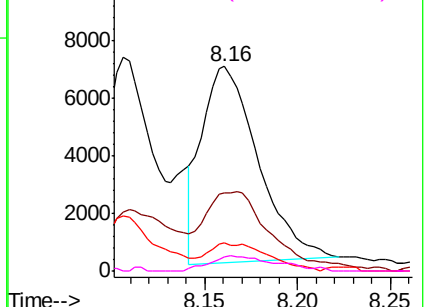
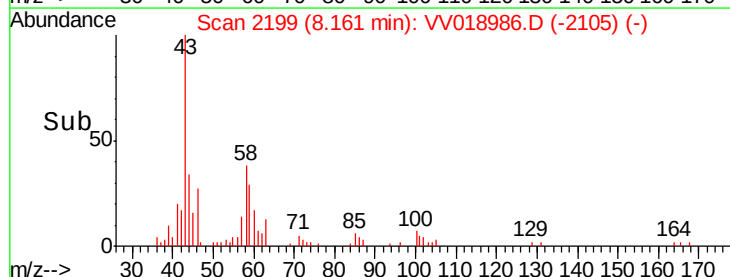


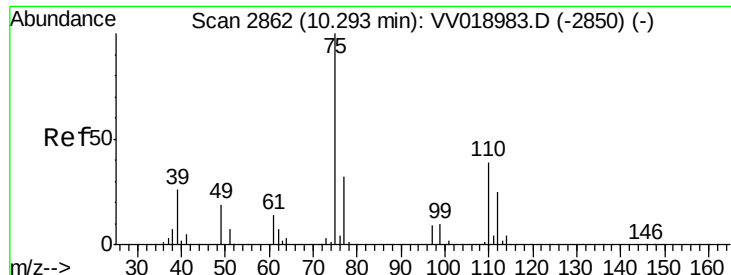
Abundance Ion 43.00 (42.70 to 43.70): VV0

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





#59

1,2,3-Trichloropropane

Concen: 5.604 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018986.D

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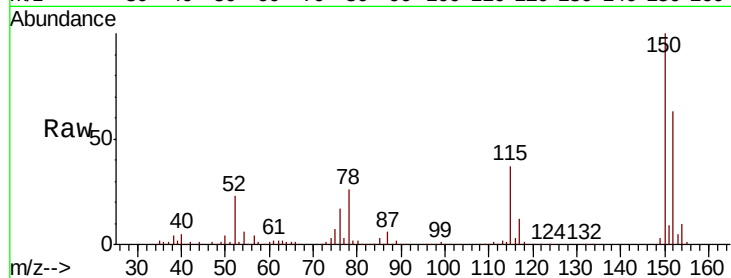
BG3Z6

Tot Ion: 75 Resp: 18347

Ion Ratio Lower Upper

75 100

77 38.8 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

