

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082720\
 Data File : VV018121.D
 Acq On : 27 Aug 2020 17:10
 Operator : SY/MD
 Sample : L3800-17DL 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3G4DL

Quant Time: Aug 28 06:24:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 28 06:20:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	259961	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	257413	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	124766	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83216	41.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.90%
7) Chloroethane-d5	1.58	69	75673	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.26%
11) 1,1-Dichloroethene-d2	2.12	63	129856	34.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.46%
21) 2-Butanone-d5	3.91	46	124762	96.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.04%
24) Chloroform-d	4.38	84	165719	45.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.06	65	115295	49.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.32%
32) Benzene-d6	5.08	84	337179	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.06%
36) 1,2-Dichloropropane-d6	6.09	67	110601	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.38%
41) Toluene-d8	7.34	98	295694	46.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.70%
43) trans-1,3-Dichloropropene-	7.64	79	50895	48.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.76%
47) 2-Hexanone-d5	8.11	63	63834	85.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.77%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	137836	45.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	127605	51.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.94%

Target Compounds

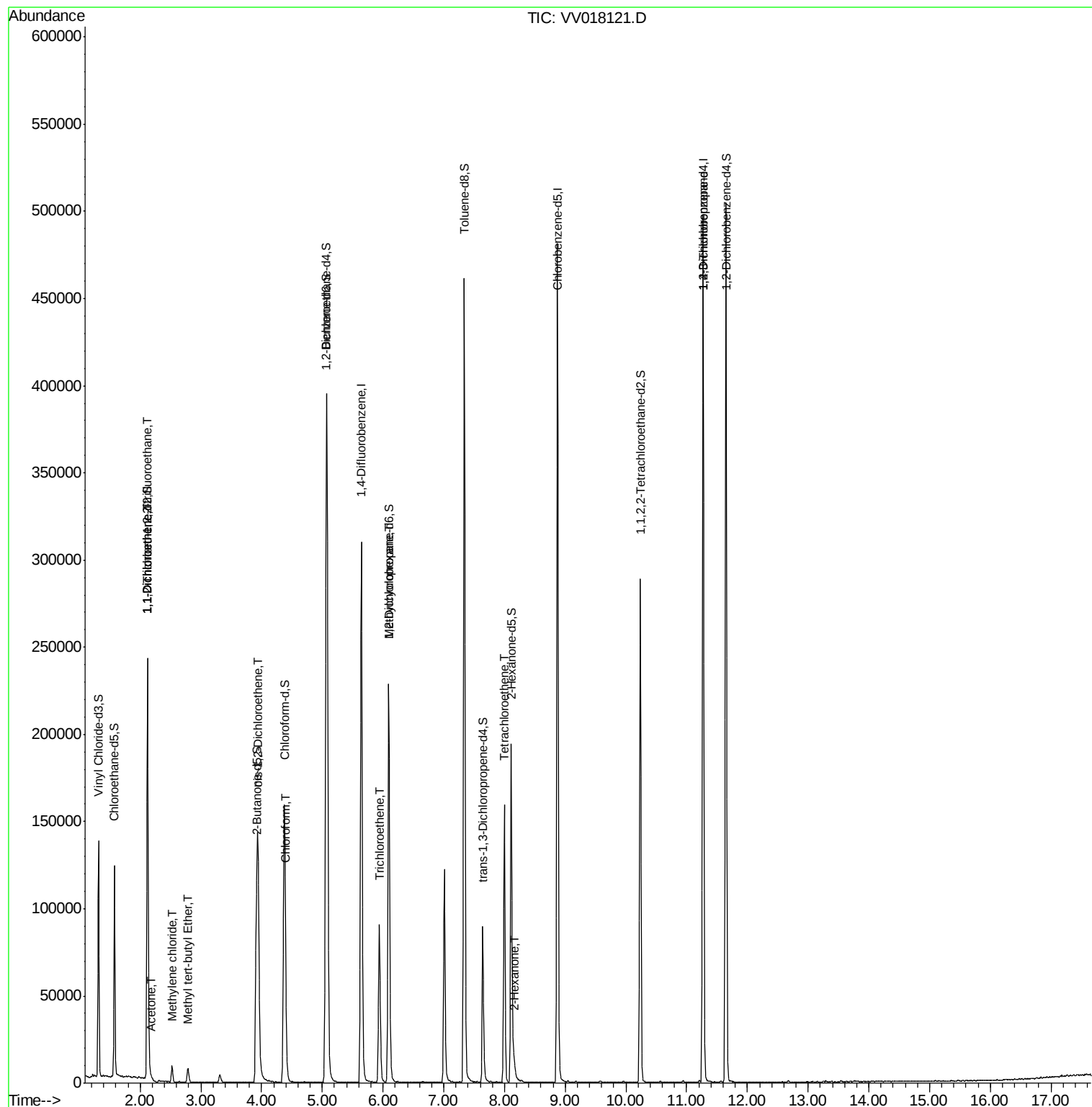
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1345	0.730	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	1854	1.063	ug/L #	1
13) Acetone	2.19	43	1669	1.244	ug/L	77
16) Methylene chloride	2.52	84	3880	1.746	ug/L	94
18) Methyl tert-butyl Ether	2.79	73	6585	1.111	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	62357	31.656	ug/L	98
25) Chloroform	4.40	83	6064	1.649	ug/L	84
34) Trichloroethene	5.94	95	29620	14.071	ug/L	97
35) Methylcyclohexane	6.09	83	27165	8.678	ug/L #	17
46) Tetrachloroethene	8.00	164	36143	23.411	ug/L	98
48) 2-Hexanone	8.16	43	5710	2.494	ug/L #	46
59) 1,2,3-Trichloropropane	11.27	75	14935	5.568	ug/L	91

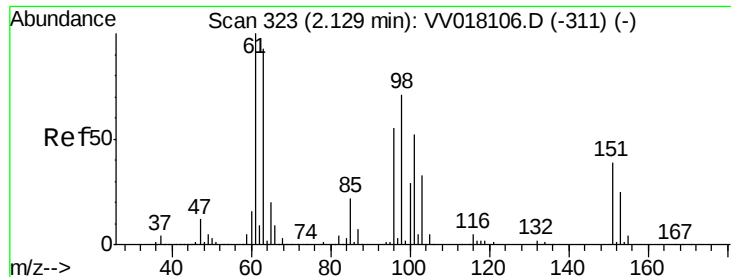
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 28 06:24:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 28 06:20:16 2020
Response via : Initial Calibration





#10

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

Concen: 0.730 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018121.D

Acq: 27 Aug 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

BG3G4DL

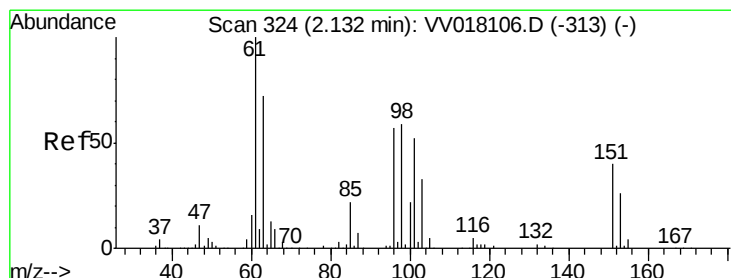
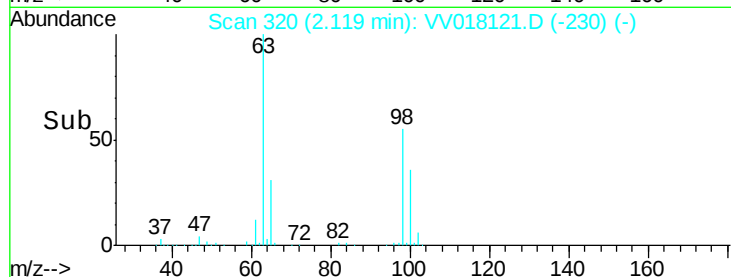
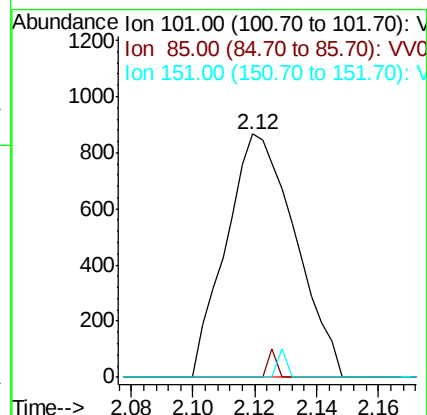
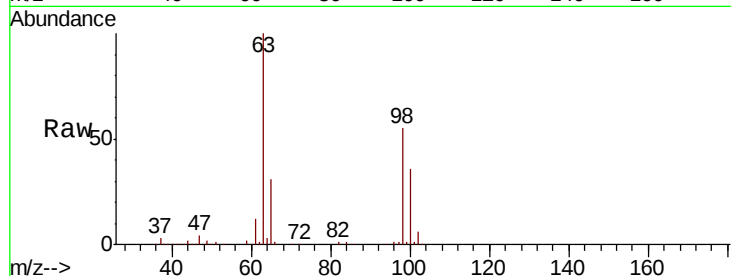
Tot Ion:101 Resp: 1345

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

151 0.0 59.1 88.7#



#12

1,1-Dichloroethene

Concen: 1.063 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV018121.D

Acq: 27 Aug 2020 17:10

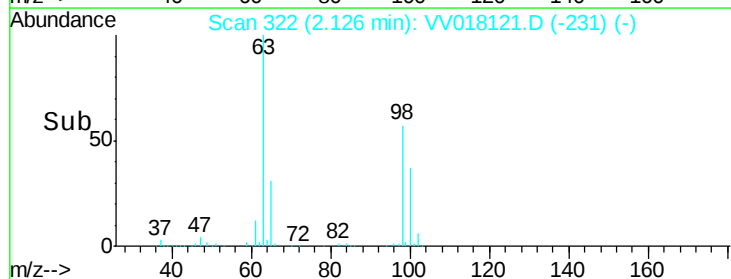
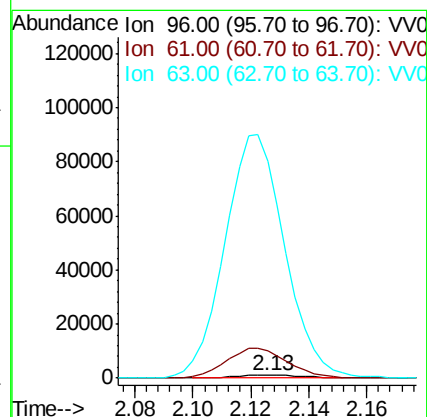
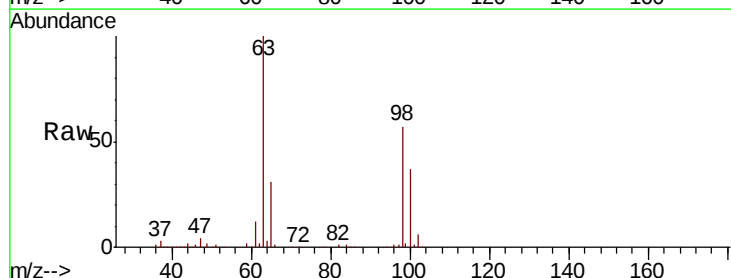
Tgt Ion: 96 Resp: 1854

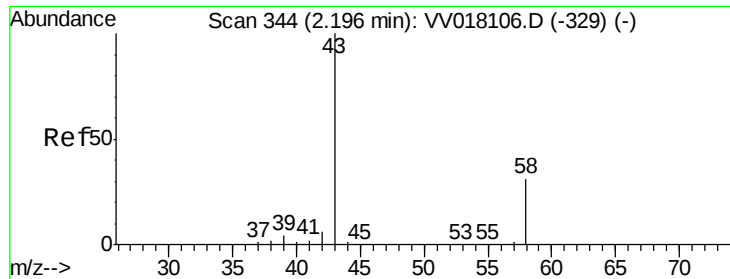
Ion Ratio Lower Upper

96 100

61 956.3 127.1 236.0#

63 7703.2 95.2 176.8#





#13

Acetone

Concen: 1.244 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV018121.D

Acq: 27 Aug 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

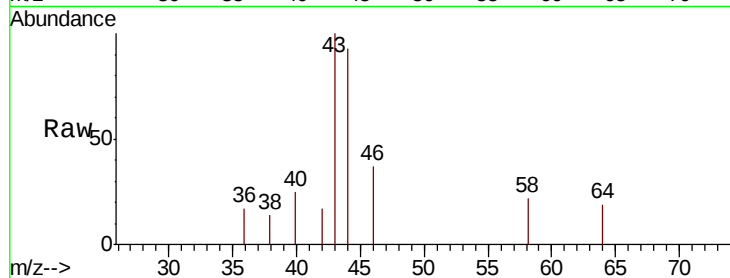
BG3G4DL

Tot Ion: 43 Resp: 1669

Ion Ratio Lower Upper

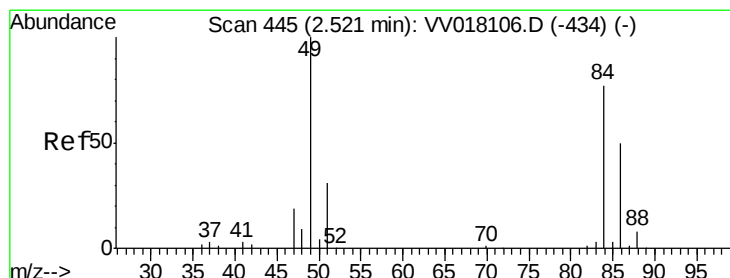
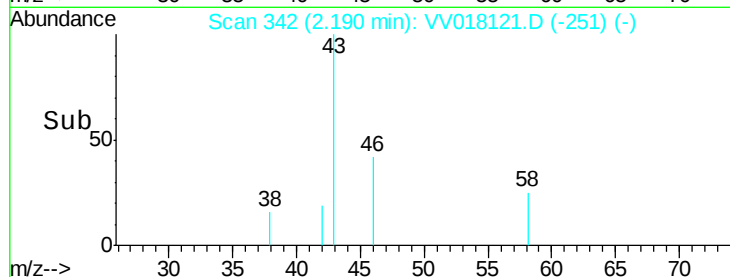
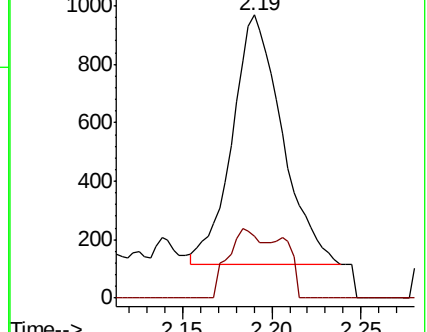
43 100

58 19.2 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV018106.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV018106.D (-329) (-)



#16

Methylene chloride

Concen: 1.746 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV018121.D

Acq: 27 Aug 2020 17:10

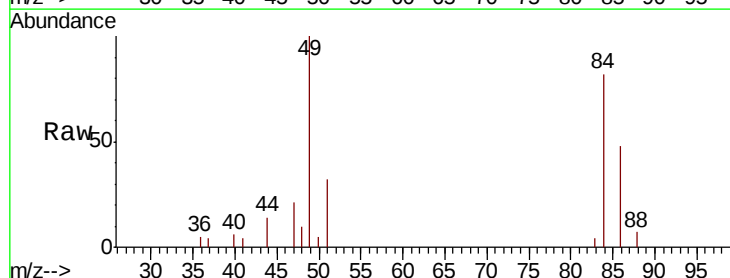
Tgt Ion: 84 Resp: 3880

Ion Ratio Lower Upper

84 100

86 58.6 46.3 85.9

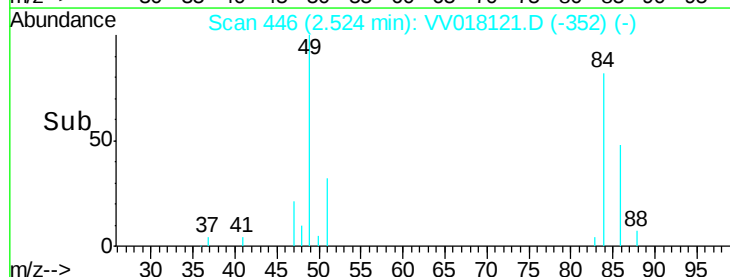
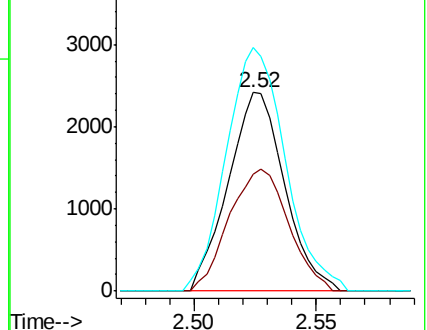
49 122.7 89.7 166.5

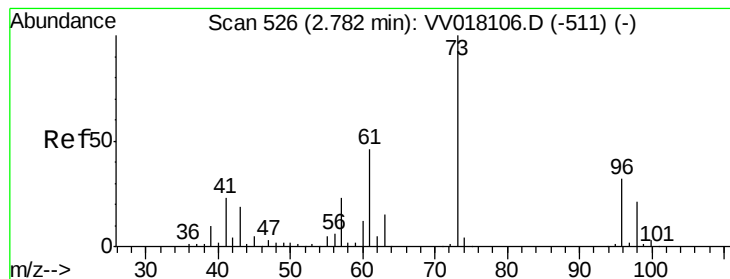


Abundance Ion 84.00 (83.70 to 84.70): VV018106.D (-434) (-)

Ion 86.00 (85.70 to 86.70): VV018106.D (-434) (-)

Ion 49.00 (48.70 to 49.70): VV018106.D (-434) (-)



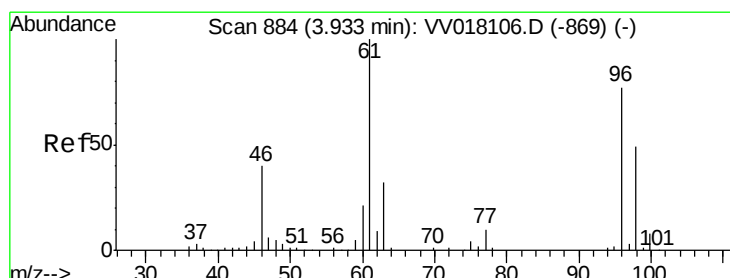
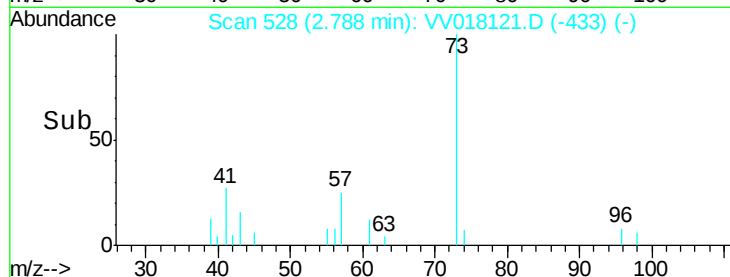
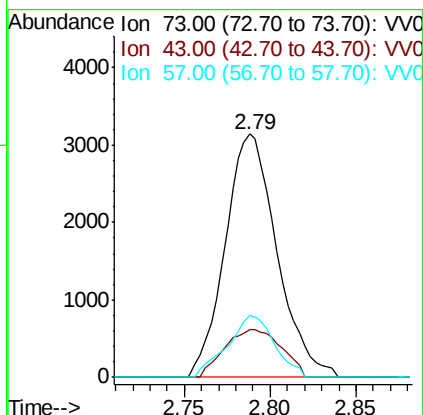
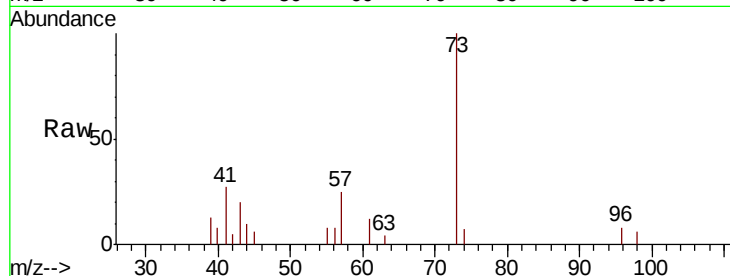


#18

Methvl tert-butvl Ether
 Concen: 1.111 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: VV018121.D
 Acq: 27 Aug 2020 17:10

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3G4DL

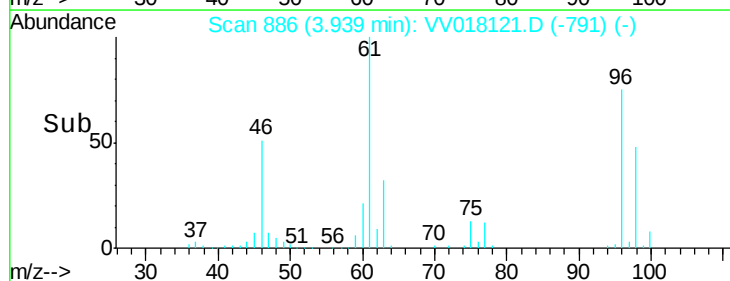
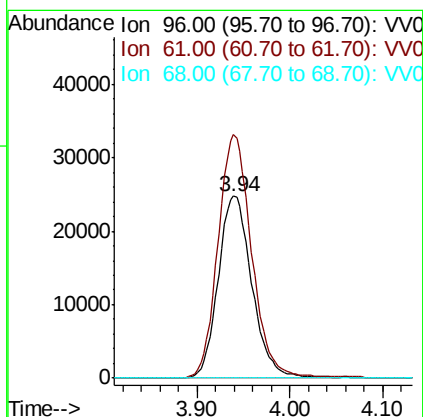
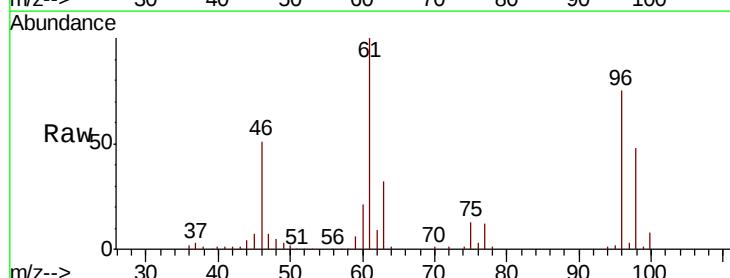
Tot Ion: 73 Resp: 6585
 Ion Ratio Lower Upper
 73 100
 43 21.7 15.9 23.9
 57 23.1 18.1 27.1

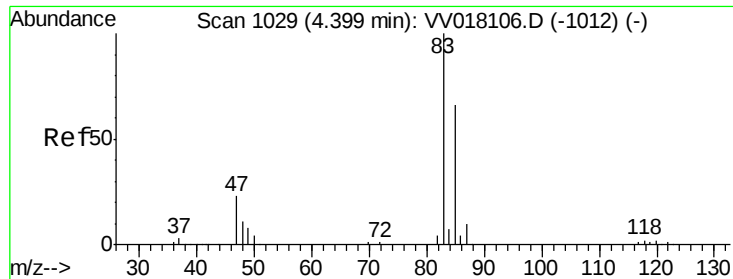


#20

cis-1,2-Dichloroethene
 Concen: 31.656 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV018121.D
 Acq: 27 Aug 2020 17:10

Tgt Ion: 96 Resp: 62357
 Ion Ratio Lower Upper
 96 100
 61 133.7 95.0 176.4
 68 0.0 0.0 0.0





#25

Chloroform

Concen: 1.649 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV018121.D

Acq: 27 Aug 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

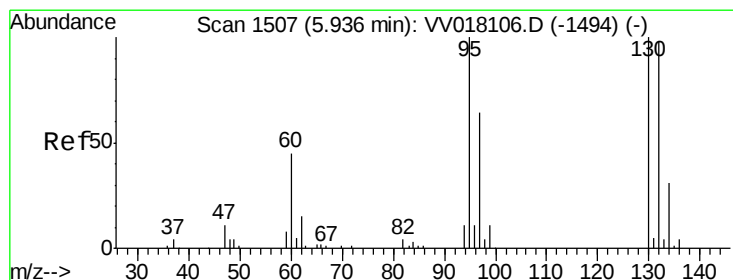
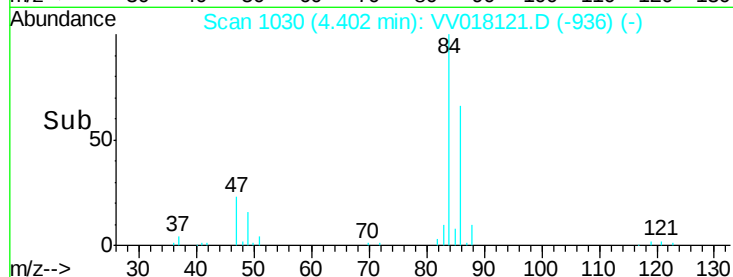
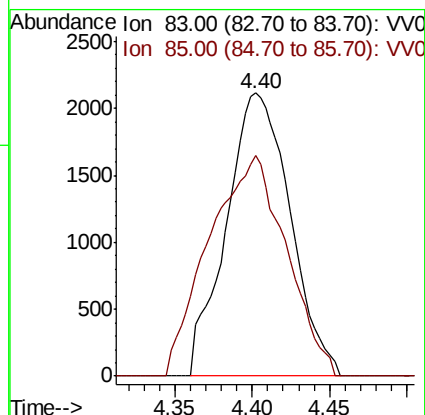
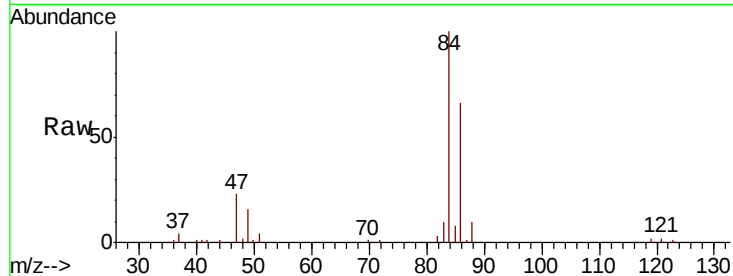
BG3G4DL

Tot Ion: 83 Resp: 6064

Ion Ratio Lower Upper

83 100

85 77.8 45.5 84.5



#34

Trichloroethene

Concen: 14.071 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV018121.D

Acq: 27 Aug 2020 17:10

Tgt Ion: 95 Resp: 29620

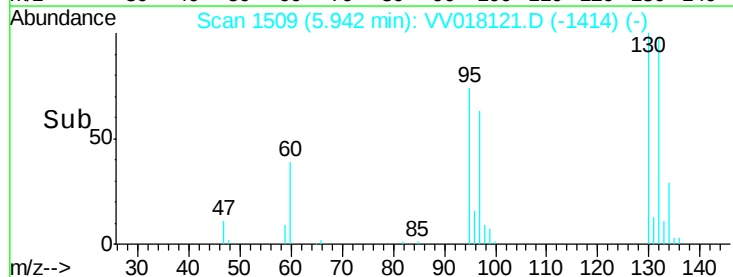
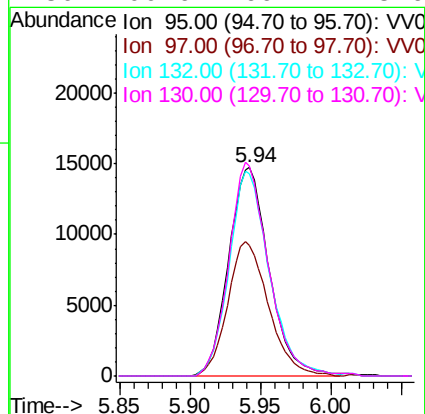
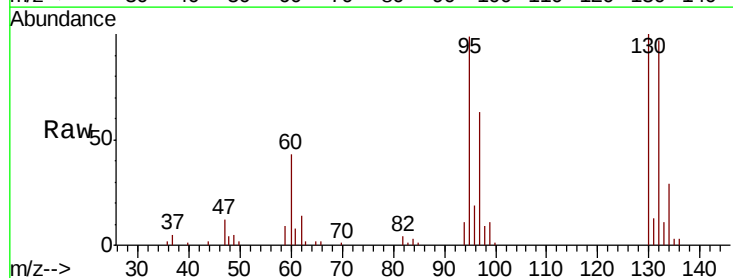
Ion Ratio Lower Upper

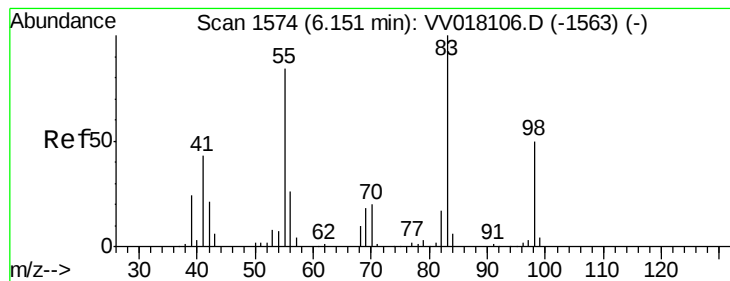
95 100

97 62.9 46.0 85.4

132 97.1 65.8 122.2

130 100.6 69.2 128.6





#35

Methvlcvclohexane

Concen: 8.678 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018121.D

Acq: 27 Aug 2020 17:10

Instrument :

MSVOA_V

ClientSampleId :

BG3G4DL

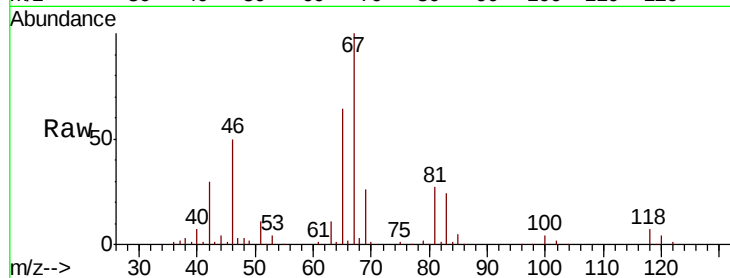
Tot Ion: 83 Resp: 27165

Ion Ratio Lower Upper

83 100

55 0.4 64.9 97.3#

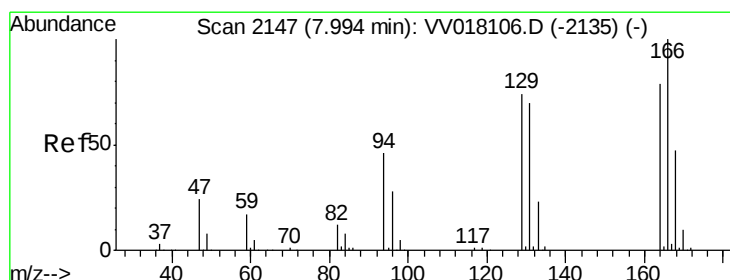
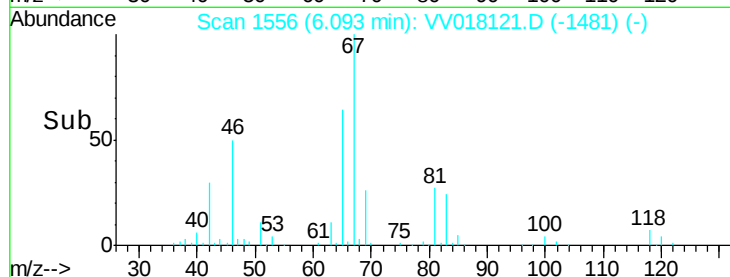
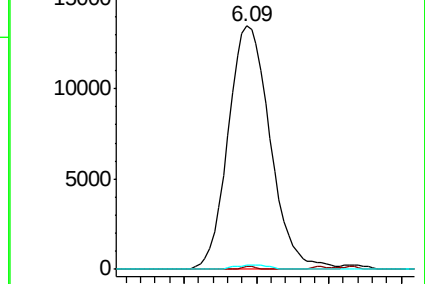
98 1.4 38.7 58.1#



Abundance Ion 83.00 (82.70 to 83.70): VV018106.D (-1563) (-)

Ion 55.00 (54.70 to 55.70): VV018106.D (-1563) (-)

Ion 98.00 (97.70 to 98.70): VV018106.D (-1563) (-)



#46

Tetrachloroethene

Concen: 23.411 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018121.D

Acq: 27 Aug 2020 17:10

Tgt Ion:164 Resp: 36143

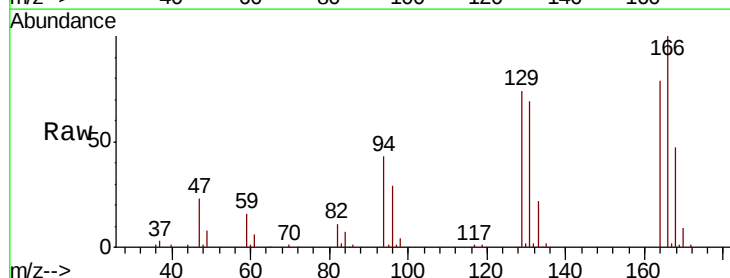
Ion Ratio Lower Upper

164 100

129 93.9 64.8 120.3

131 88.0 64.5 119.9

166 127.0 88.9 165.1

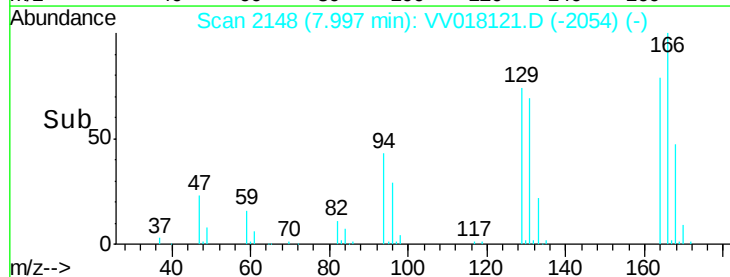
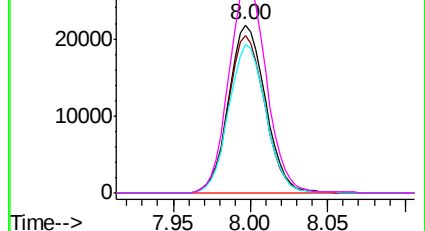


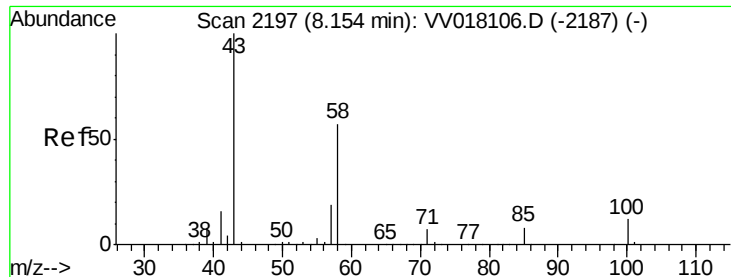
Abundance Ion 164.00 (163.70 to 164.70): VV018106.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV018106.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV018106.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV018106.D (-2135) (-)

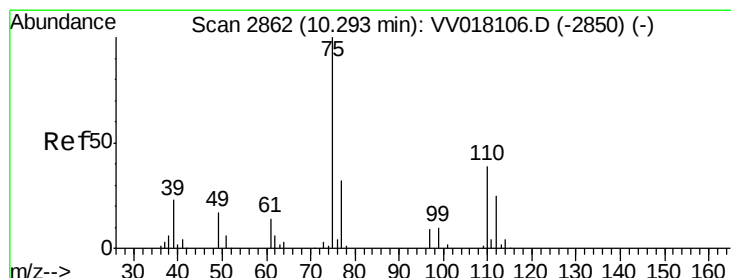
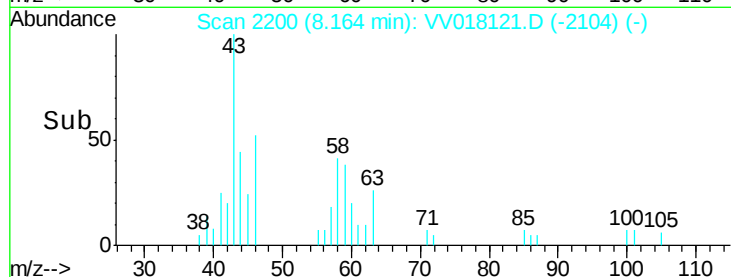
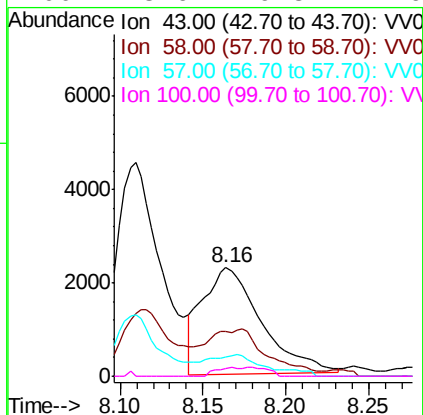
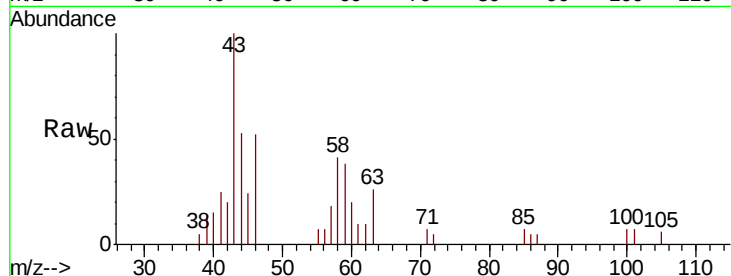




#48
2-Hexanone
Concen: 2.494 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV018121.D
Acq: 27 Aug 2020 17:10

Instrument :
MSVOA_V
ClientSampleId :
BG3G4DL

Tot Ion: 43 Resp: 5710
Ion Ratio Lower Upper
43 100
58 4.6 44.4 66.6#
57 7.0 15.2 22.8#
100 3.6 9.8 14.6#



#59
1,2,3-Trichloropropane
Concen: 5.568 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.98 min
Lab File: VV018121.D
Acq: 27 Aug 2020 17:10

Tgt Ion: 75 Resp: 14935
Ion Ratio Lower Upper
75 100
77 37.0 25.7 38.5

