

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017934.D
 Acq On : 12 Aug 2020 17:57
 Operator : SY/MD
 Sample : L3644-13
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L70

Quant Time: Aug 13 04:39:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 04:34:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	256096	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	246055	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	111782	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	92513	47.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.70%
7) Chloroethane-d5	1.58	69	75693	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.70%
11) 1,1-Dichloroethene-d2	2.12	63	137209	36.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.42%
21) 2-Butanone-d5	3.91	46	130653	102.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.09%
24) Chloroform-d	4.38	84	167053	46.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.94%
26) 1,2-Dichloroethane-d4	5.06	65	116329	50.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.70%
32) Benzene-d6	5.08	84	336285	49.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.18%
36) 1,2-Dichloropropane-d6	6.09	67	110712	49.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.88%
41) Toluene-d8	7.34	98	293315	48.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	7.64	79	48273	48.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.02%
47) 2-Hexanone-d5	8.11	63	72510	101.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.92%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	139196	48.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.44%
64) 1,2-Dichlorobenzene-d4	11.65	152	115398	52.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.90%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	786442	345.602	ug/L 100
8) Chloroethane	1.59	64	70828	48.766	ug/L 100
12) 1,1-Dichloroethene	2.13	96	15073	8.774	ug/L # 1
17) trans-1,2-Dichloroethene	2.78	96	15035	8.514	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	577371	297.531	ug/L 100
25) Chloroform	4.40	83	3152	0.870	ug/L 82
34) Trichloroethene	5.94	95	576614	286.557	ug/L 99
35) Methylcyclohexane	6.09	83	26539	8.870	ug/L # 17
37) 1,2-Dichloropropane	6.09	63	12073	5.815	ug/L # 87
39) cis-1,3-Dichloropropene	7.01	75	2979	1.012	ug/L # 71
45) 1,1,2-Trichloroethane	8.00	97	7282	3.788	ug/L # 1
46) Tetrachloroethene	8.00	164	852946	577.977	ug/L 99
48) 2-Hexanone	8.11	43	8845	4.042	ug/L # 74
49) Dibromochloromethane	8.00	129	783393	417.457	ug/L # 10
59) 1,2,3-Trichloropropane	11.27	75	13438	5.241	ug/L 91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
Data File : VV017934.D
Acq On : 12 Aug 2020 17:57
Operator : SY/MD
Sample : L3644-13
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2L70

Quant Time: Aug 13 04:39:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 13 04:34:59 2020
Response via : Initial Calibration

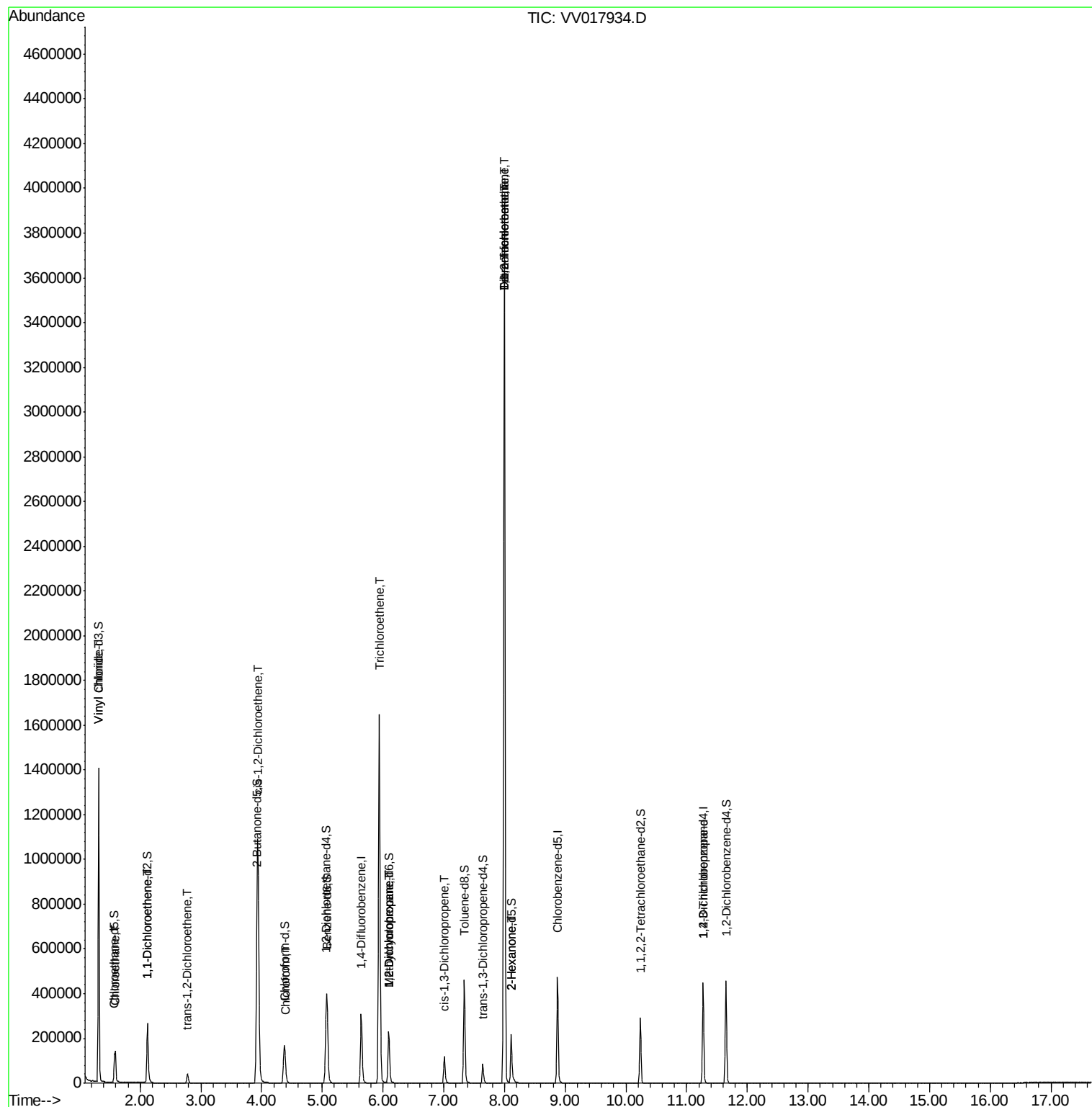
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

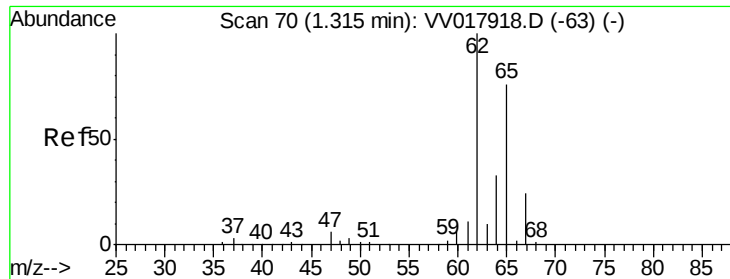
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
Data File : VV017934.D
Acq On : 12 Aug 2020 17:57
Operator : SY/MD
Sample : L3644-13
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2L70

Quant Time: Aug 13 04:39:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 13 04:34:59 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 345.602 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017934.D

Acq: 12 Aug 2020 17:57

Instrument :

MSVOA_V

ClientSampled :

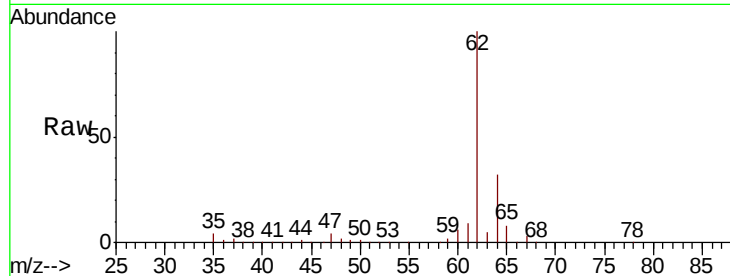
F2L70

Tot Ion: 62 Resp: 786442

Ion Ratio Lower Upper

62 100

64 32.2 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

800000

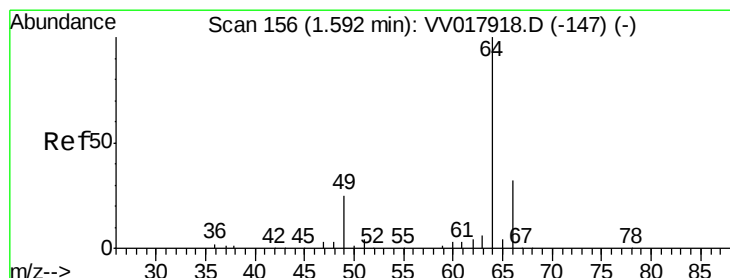
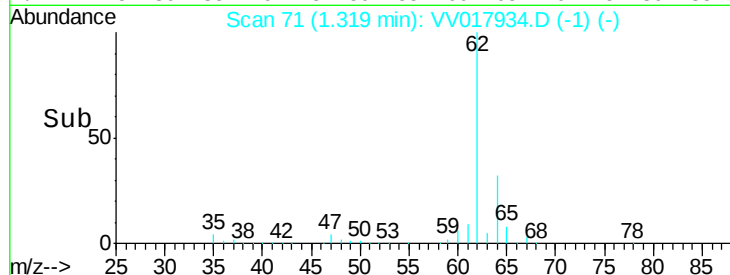
600000

400000

200000

0

Time-->



#8

Chloroethane

Concen: 48.766 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV017934.D

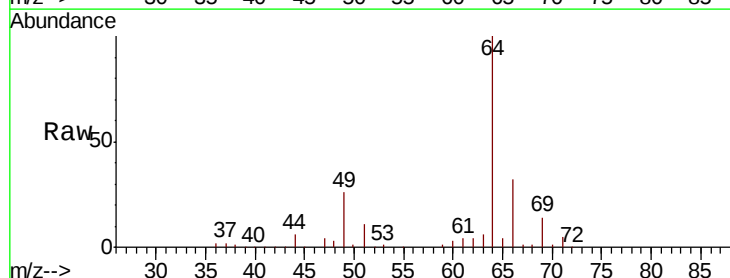
Acq: 12 Aug 2020 17:57

Tgt Ion: 64 Resp: 70828

Ion Ratio Lower Upper

64 100

66 31.8 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

1.59

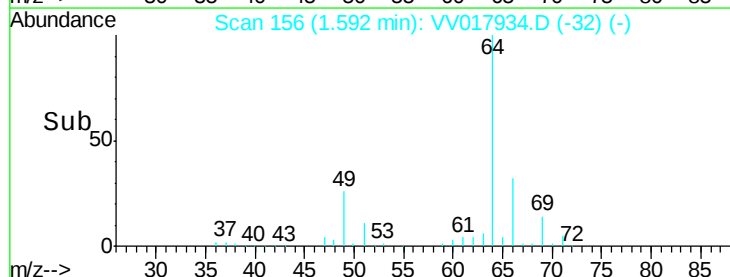
60000

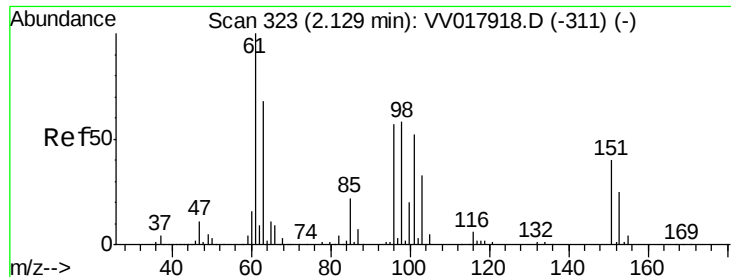
40000

20000

0

Time-->





#12

1,1-Dichloroethene

Concen: 8.774 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017934.D

Acq: 12 Aug 2020 17:57

Instrument :

MSVOA_V

ClientSampled :

F2L70

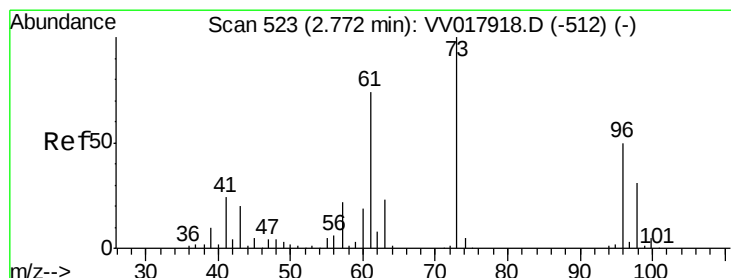
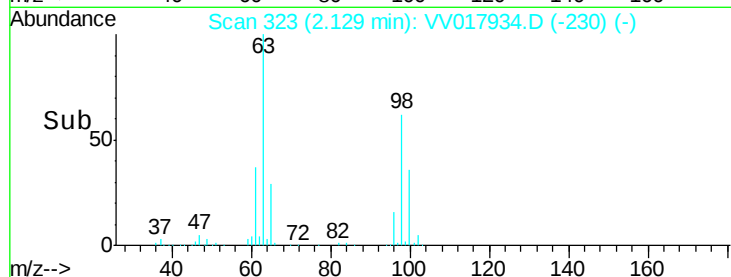
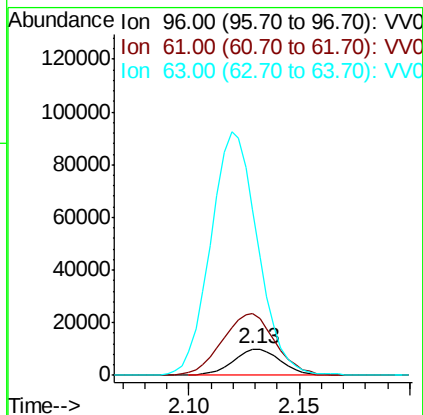
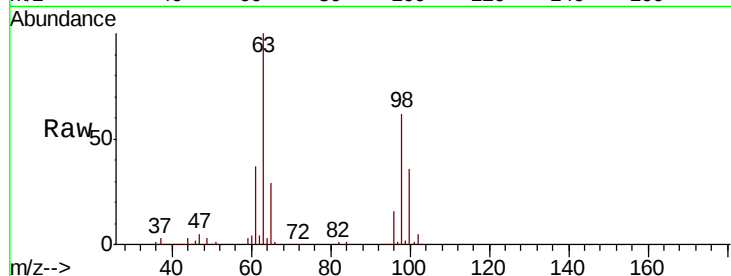
Tot Ion: 96 Resp: 15073

Ion Ratio Lower Upper

96 100

61 234.3 127.1 236.0

63 628.4 95.2 176.8#



#17

trans-1,2-Dichloroethene

Concen: 8.514 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.01 min

Lab File: VV017934.D

Acq: 12 Aug 2020 17:57

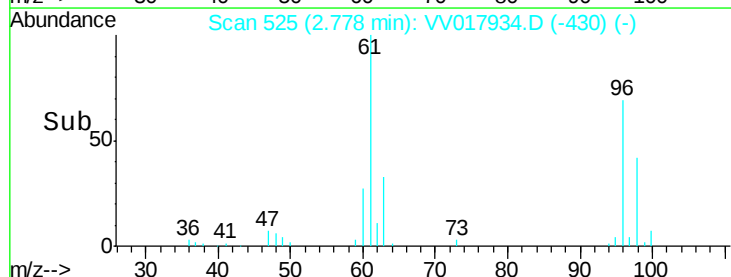
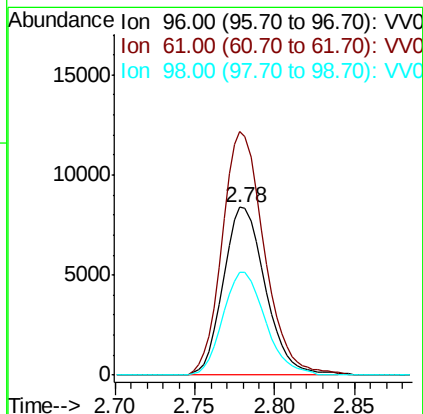
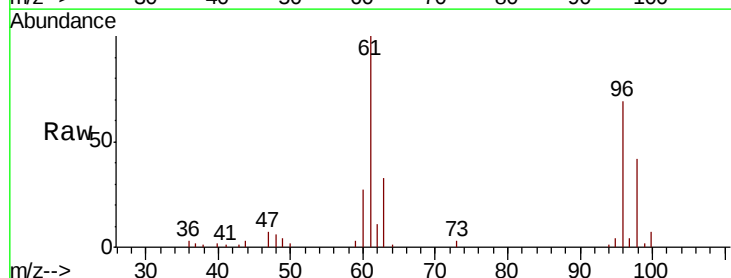
Tgt Ion: 96 Resp: 15035

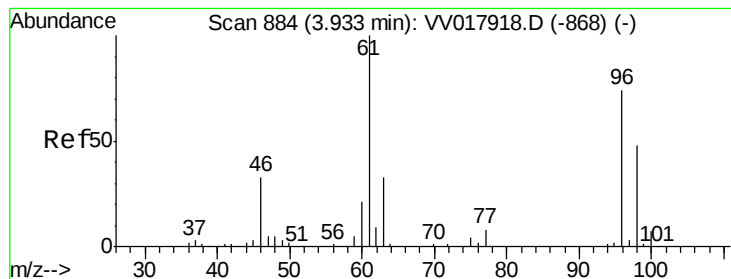
Ion Ratio Lower Upper

96 100

61 144.9 102.4 190.2

98 61.6 44.4 82.5



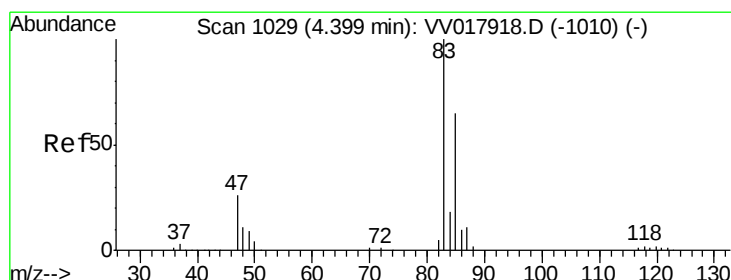
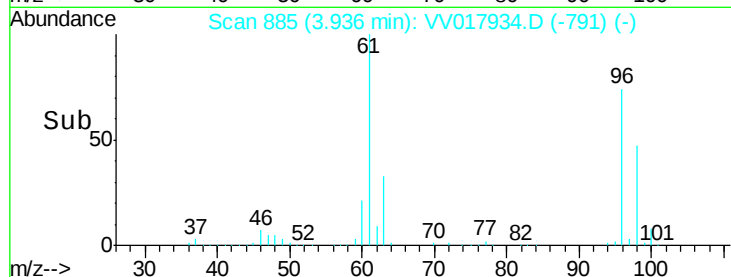
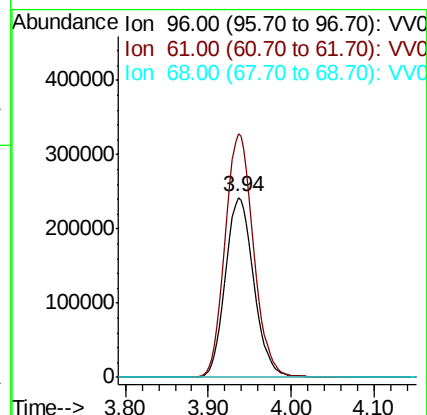
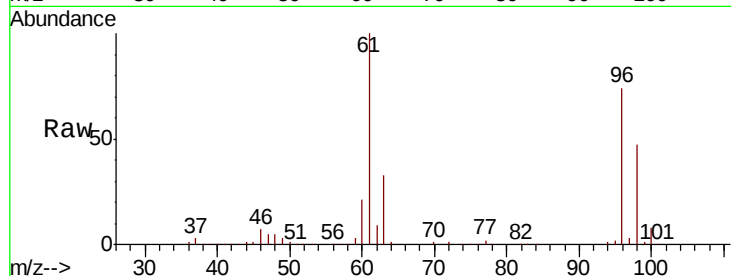


#20

cis-1,2-Dichloroethene
 Concen: 297.531 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017934.D
 Acq: 12 Aug 2020 17:57

Instrument :
 MSVOA_V
 ClientSampled :
 F2L70

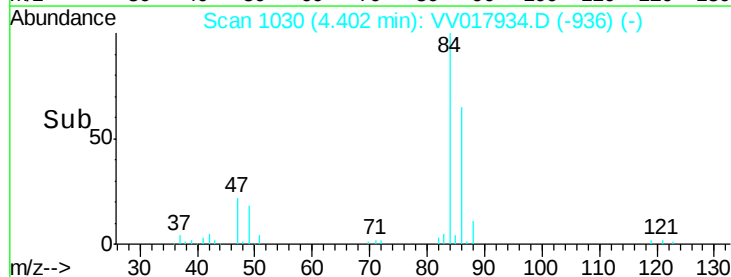
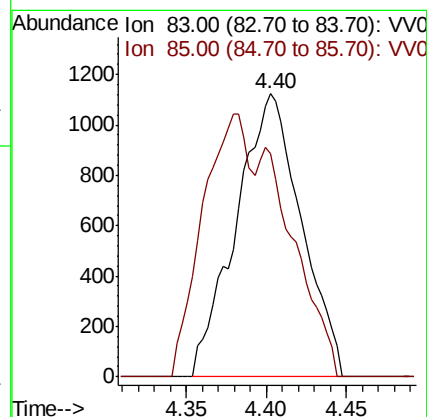
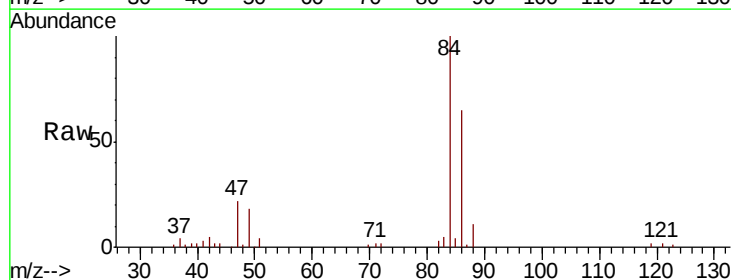
Tot Ion: 96 Resp: 577371
 Ion Ratio Lower Upper
 96 100
 61 135.5 95.0 176.4
 68 0.0 0.0 0.0

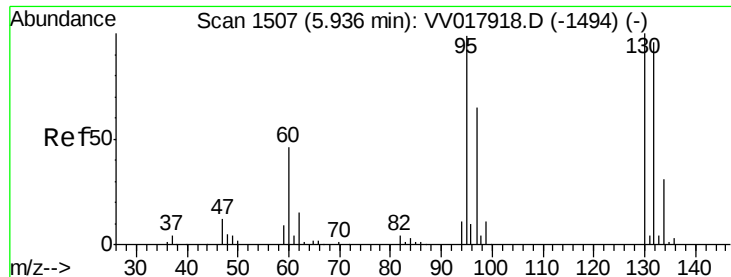


#25

Chloroform
 Concen: 0.870 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VV017934.D
 Acq: 12 Aug 2020 17:57

Tgt Ion: 83 Resp: 3152
 Ion Ratio Lower Upper
 83 100
 85 78.9 45.5 84.5





#34

Trichloroethene

Concen: 286.557 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017934.D

Acq: 12 Aug 2020 17:57

Instrument :

MSVOA_V

ClientSampleId :

F2L70

Tot Ion: 95 Resp: 576614

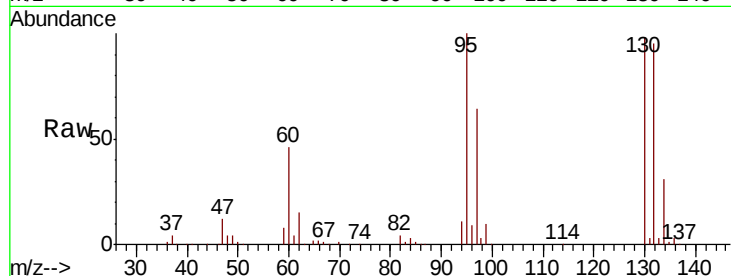
Ion Ratio Lower Upper

95 100

97 64.1 46.0 85.4

132 94.7 65.8 122.2

130 98.4 69.2 128.6

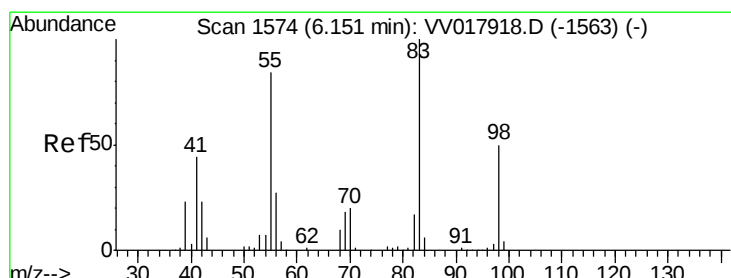
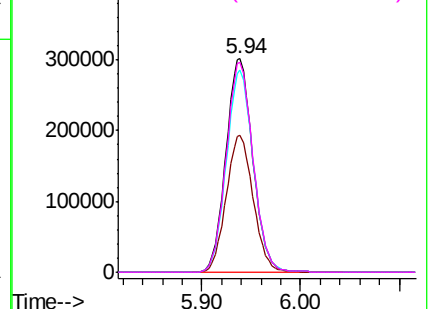
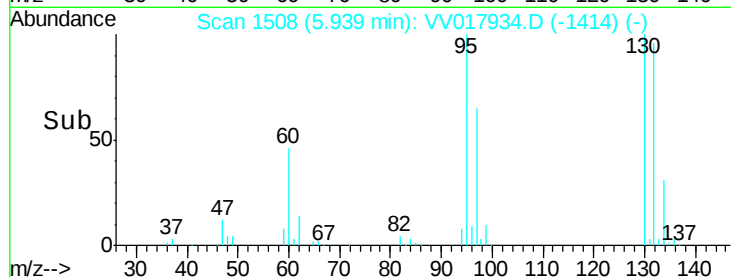


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 8.870 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV017934.D

Acq: 12 Aug 2020 17:57

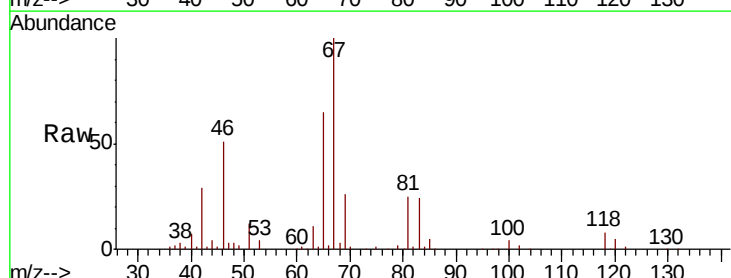
Tgt Ion: 83 Resp: 26539

Ion Ratio Lower Upper

83 100

55 0.0 64.9 97.3#

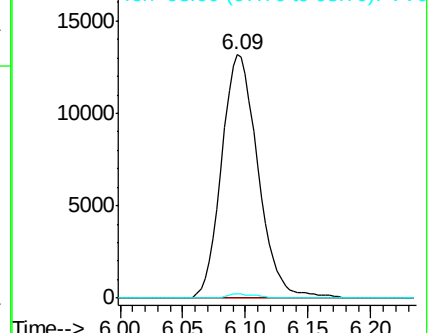
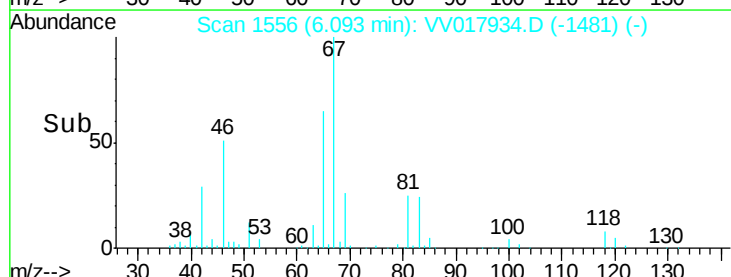
98 1.3 38.7 58.1#

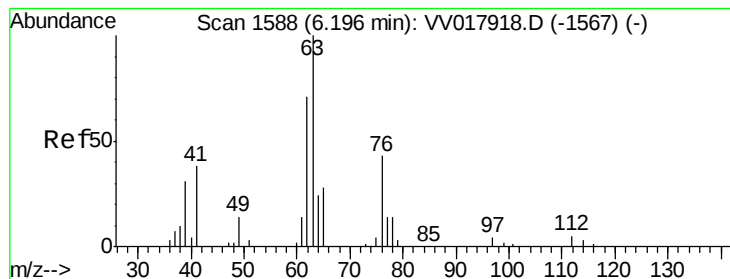


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 5.815 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV017934.D

Acq: 12 Aug 2020 17:57

Instrument :

MSVOA_V

ClientSampleId :

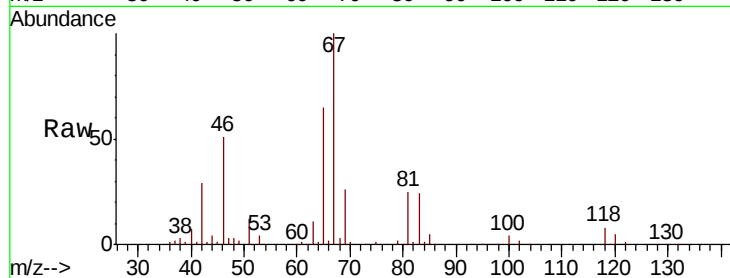
F2L70

Tot Ion: 63 Resp: 12073

Ion Ratio Lower Upper

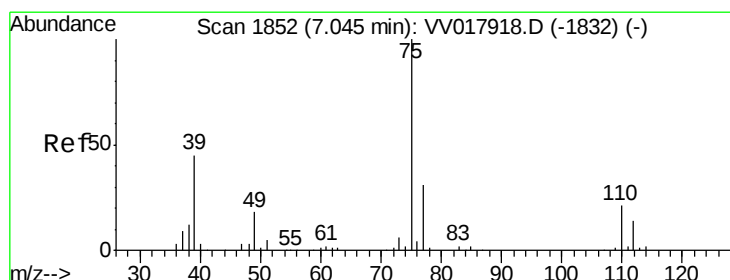
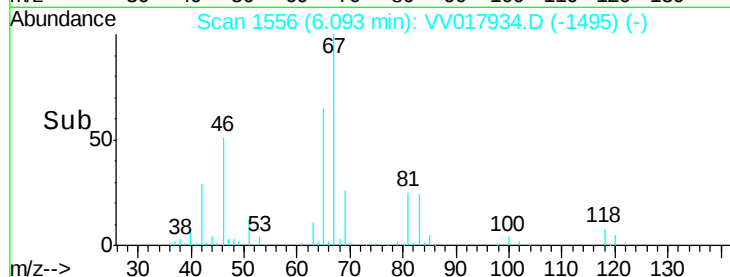
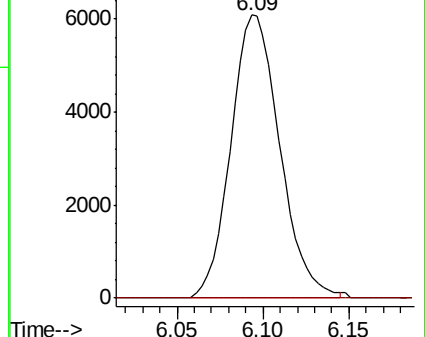
63 100

112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV017918.D (-1567) (-)

Ion 112.00 (111.70 to 112.70): VV017918.D (-1567) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.012 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV017934.D

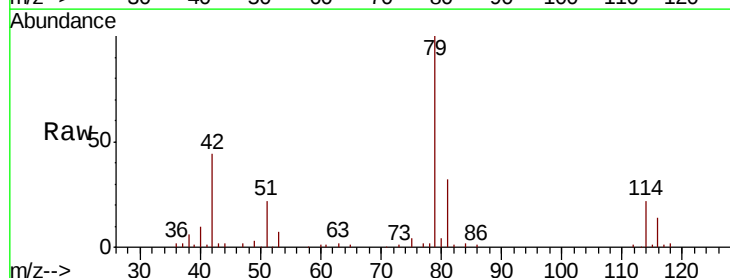
Acq: 12 Aug 2020 17:57

Tgt Ion: 75 Resp: 2979

Ion Ratio Lower Upper

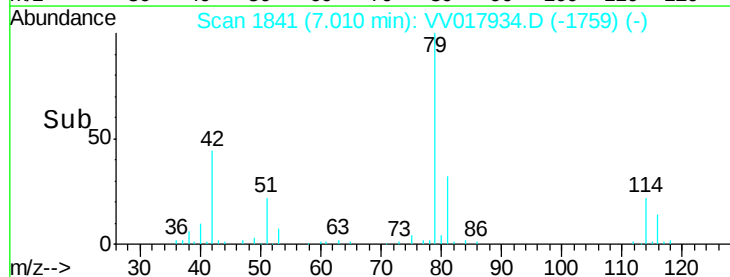
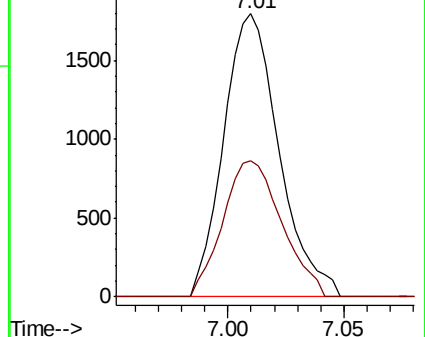
75 100

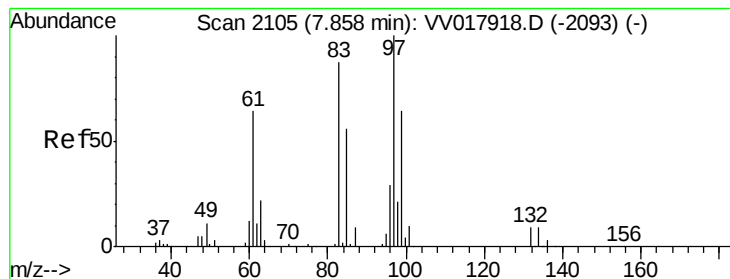
77 48.3 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VV017918.D (-1832) (-)

Ion 77.00 (76.70 to 77.70): VV017918.D (-1832) (-)





#45

1,1,2-Trichloroethane

Concen: 3.788 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.14 min

Lab File: VV017934.D

Acq: 12 Aug 2020 17:57

Instrument :

MSVOA_V

ClientSampleId :

F2L70

Tot Ion: 97 Resp: 7282

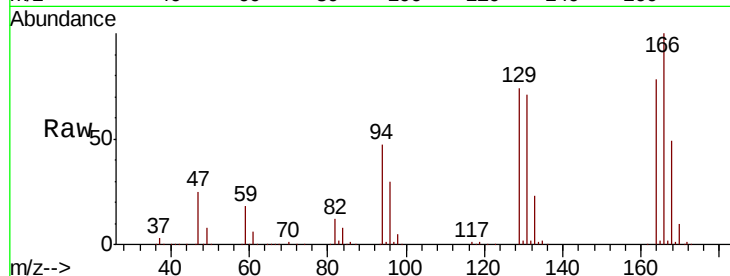
Ion Ratio Lower Upper

97 100

99 16.1 44.2 82.2#

83 269.9 61.0 113.4#

85 42.1 39.5 73.4

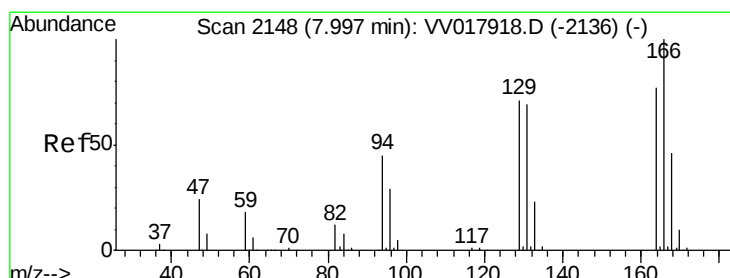
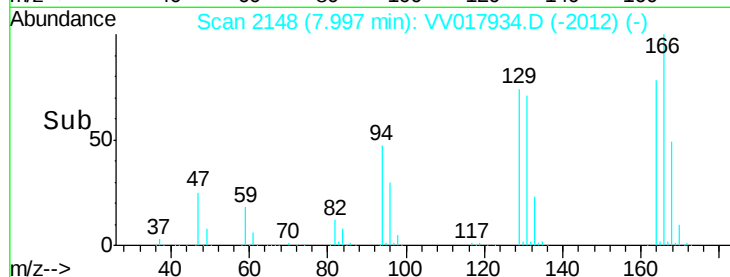
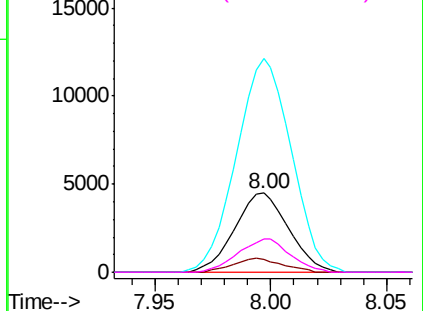


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 577.977 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017934.D

Acq: 12 Aug 2020 17:57

Tgt Ion:164 Resp: 852946

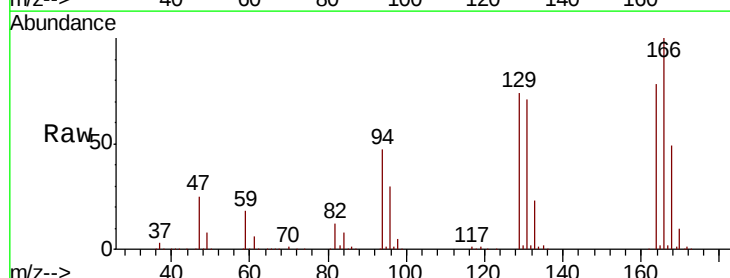
Ion Ratio Lower Upper

164 100

129 94.8 64.8 120.3

131 90.8 64.5 119.9

166 127.9 88.9 165.1

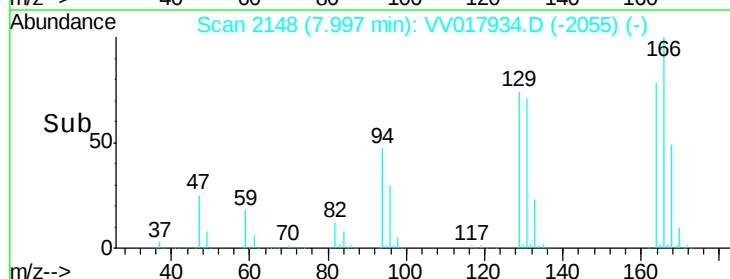
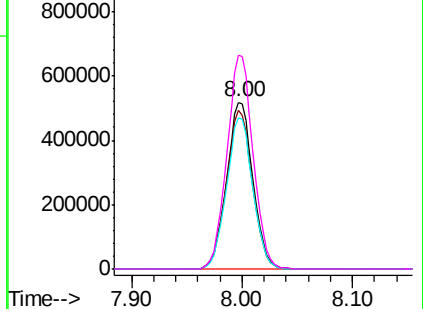


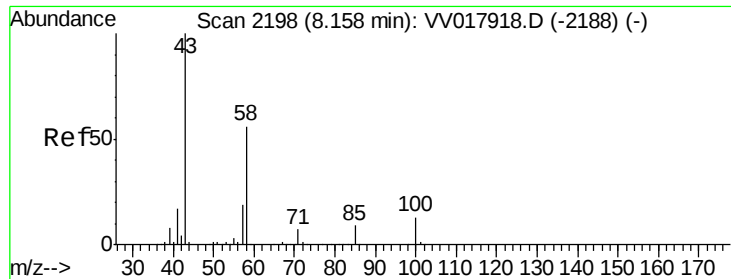
Abundance Ion 164.00 (163.70 to 164.70): V

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

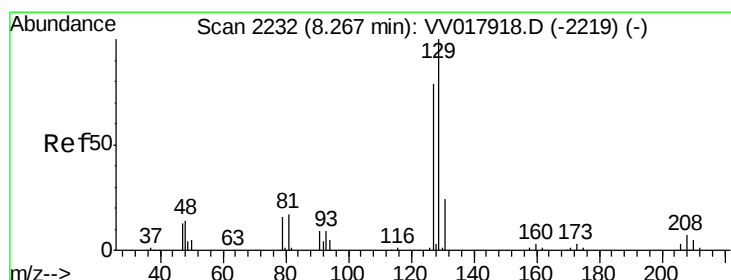
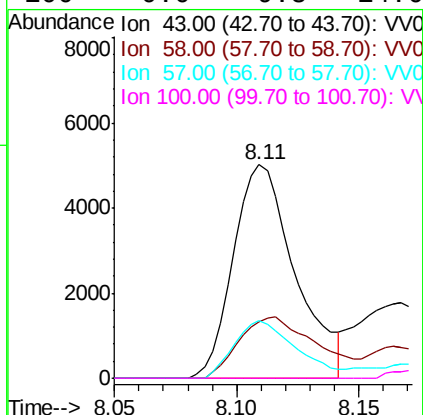
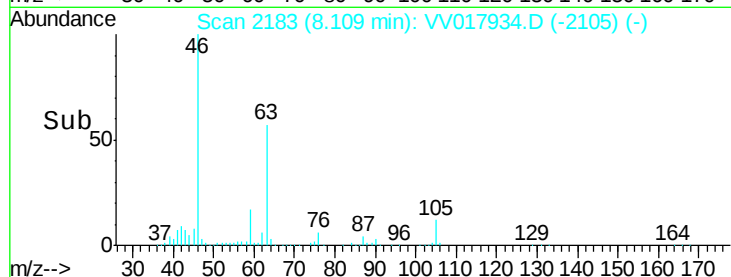
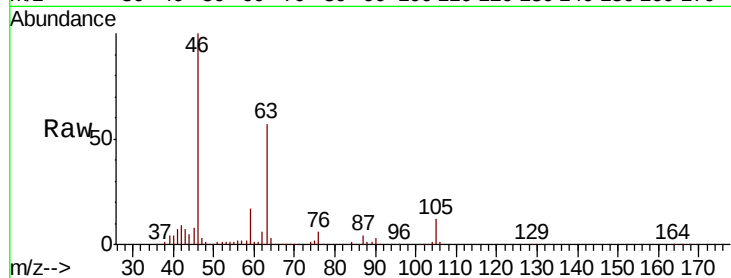




#48
2-Hexanone
Concen: 4.042 ug/L
RT: 8.11 min Scan# 2183
Delta R.T. -0.05 min
Lab File: VV017934.D
Acq: 12 Aug 2020 17:57

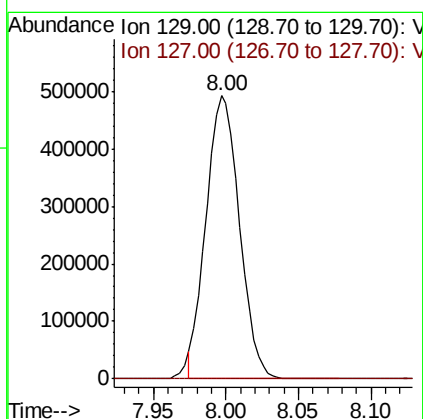
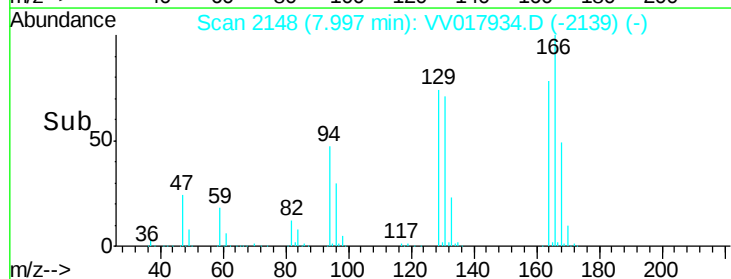
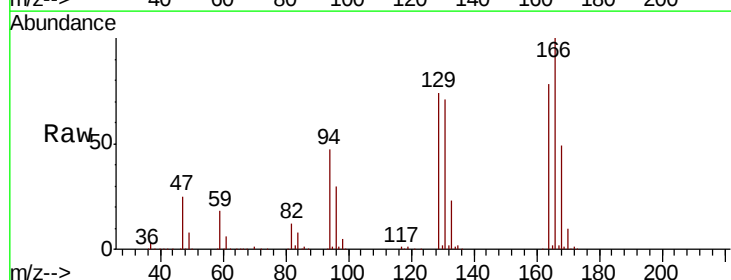
Instrument :
MSVOA_V
ClientSampleId :
F2L70

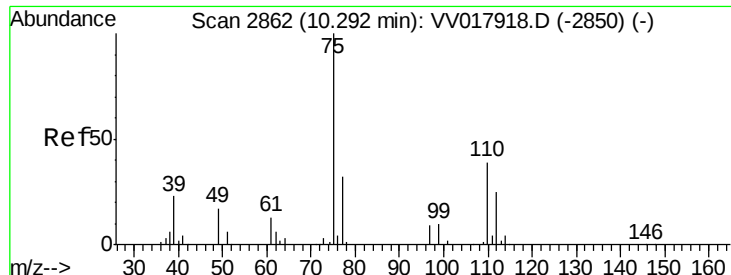
Tot Ion: 43 Resp: 8845
Ion Ratio Lower Upper
43 100
58 35.8 44.4 66.6#
57 26.9 15.2 22.8#
100 0.0 9.8 14.6#



#49
Dibromochloromethane
Concen: 417.457 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV017934.D
Acq: 12 Aug 2020 17:57

Tgt Ion: 129 Resp: 783393
Ion Ratio Lower Upper
129 100
127 0.0 54.9 101.9#





#59

1,2,3-Trichloropropane

Concen: 5.241 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017934.D

Acq: 12 Aug 2020 17:57

Instrument :

MSVOA_V

ClientSampleId :

F2L70

Tot Ion: 75 Resp: 13438

Ion Ratio Lower Upper

75 100

77 37.0 25.7 38.5

