

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017927.D
 Acq On : 12 Aug 2020 14:50
 Operator : SY/MD
 Sample : L3644-07
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L60

Quant Time: Aug 13 04:37:48 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	255032	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	247166	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	109991	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	88606	45.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.08%
7) Chloroethane-d5	1.58	69	75344	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.66%
11) 1,1-Dichloroethene-d2	2.12	63	130655	35.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.20%
21) 2-Butanone-d5	3.91	46	129708	101.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.77%
24) Chloroform-d	4.38	84	166031	46.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.74%
26) 1,2-Dichloroethane-d4	5.06	65	114823	49.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.82%
32) Benzene-d6	5.07	84	333262	48.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.84%
36) 1,2-Dichloropropane-d6	6.09	67	111010	49.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.70%
41) Toluene-d8	7.34	98	292333	47.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.44%
43) trans-1,3-Dichloropropene-	7.64	79	46726	46.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.52%
47) 2-Hexanone-d5	8.11	63	72013	100.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.77%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	137222	47.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.64%
64) 1,2-Dichlorobenzene-d4	11.65	152	114679	52.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.96%

Target Compounds

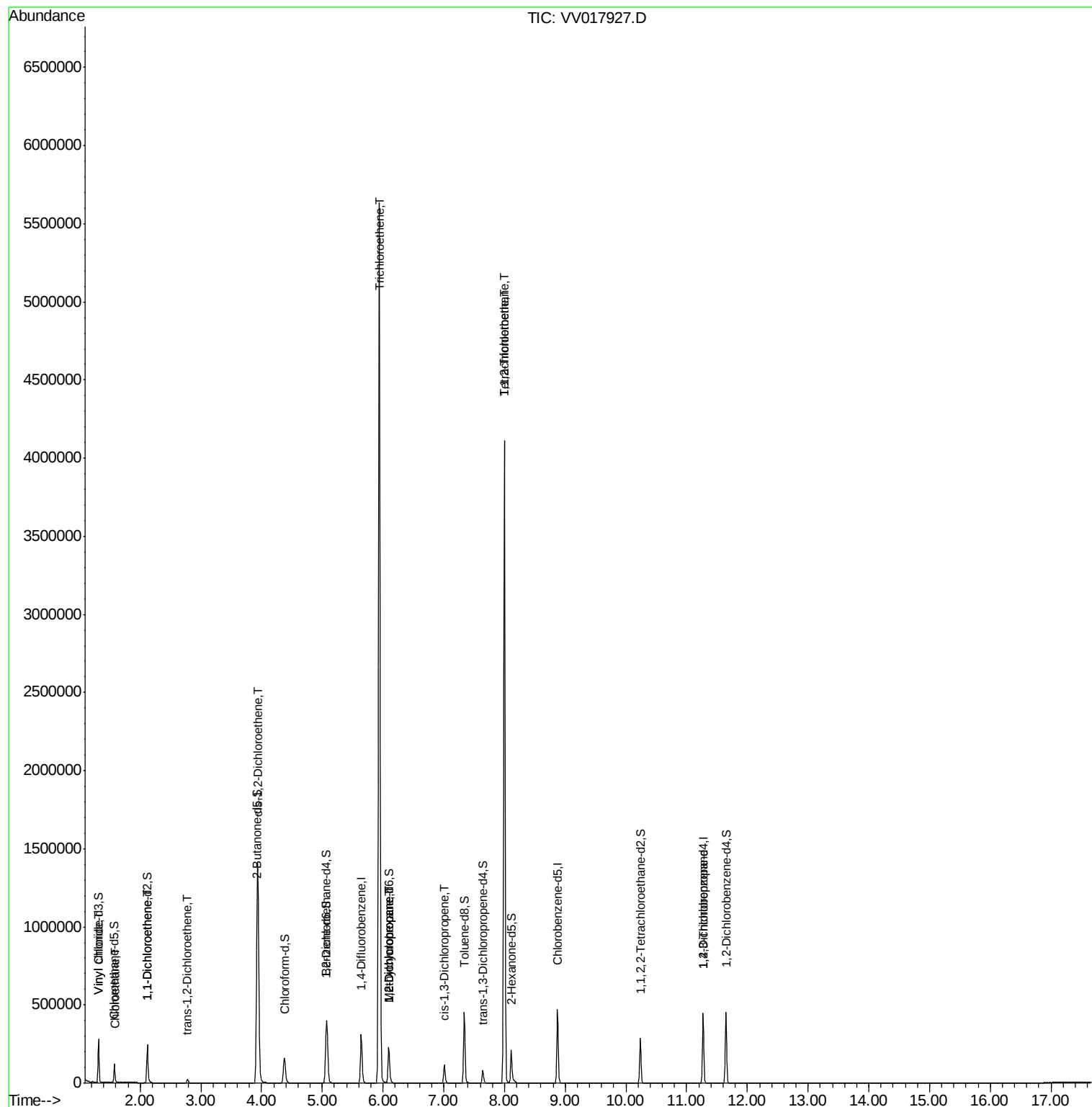
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	90212	39.809	ug/L	97
8) Chloroethane	1.60	64	2838	1.962	ug/L	96
12) 1,1-Dichloroethene	2.13	96	3316	1.938	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	8624	4.904	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	751167	388.706	ug/L	99
34) Trichloroethene	5.94	95	1924285	952.003	ug/L	99
35) Methylcyclohexane	6.09	83	25887	8.613	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	12246	5.872	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2921	0.988	ug/L #	65
45) 1,1,2-Trichloroethane	8.00	97	7712	3.993	ug/L #	1
46) Tetrachloroethene	8.00	164	898455	606.078	ug/L	99
59) 1,2,3-Trichloropropane	11.27	75	13798	5.357	ug/L	93

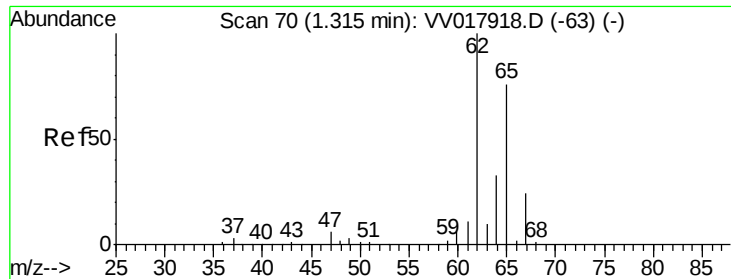
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 39.809 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017927.D

Acq: 12 Aug 2020 14:50

Instrument :

MSVOA_V

ClientSampleId :

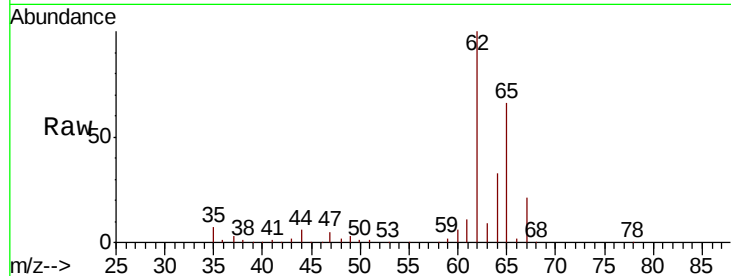
F2L60

Tot Ion: 62 Resp: 90212

Ion Ratio Lower Upper

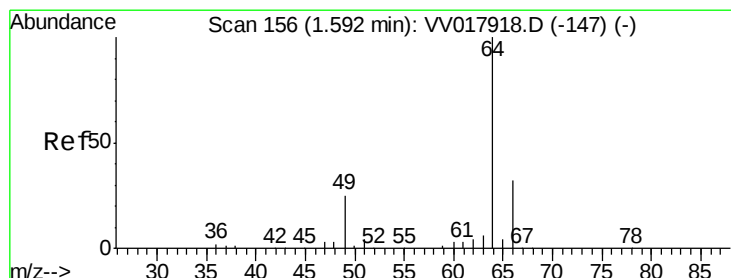
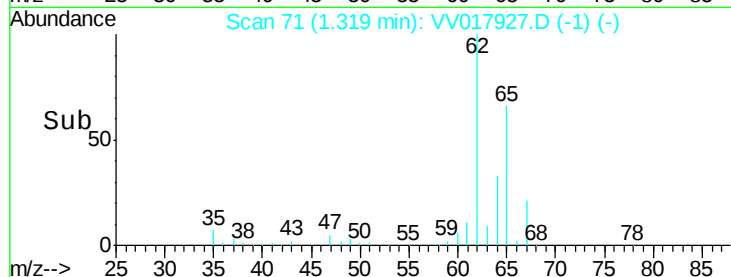
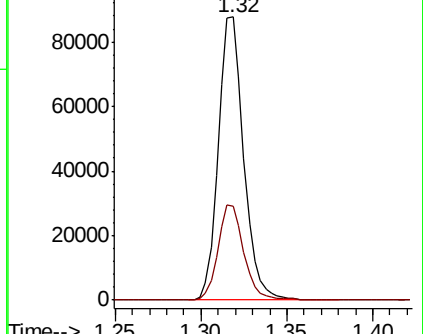
62 100

64 33.4 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 1.962 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017927.D

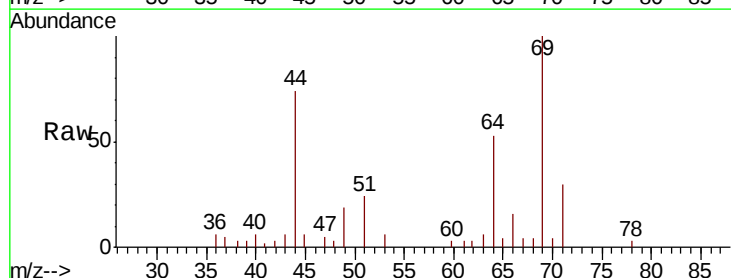
Acq: 12 Aug 2020 14:50

Tgt Ion: 64 Resp: 2838

Ion Ratio Lower Upper

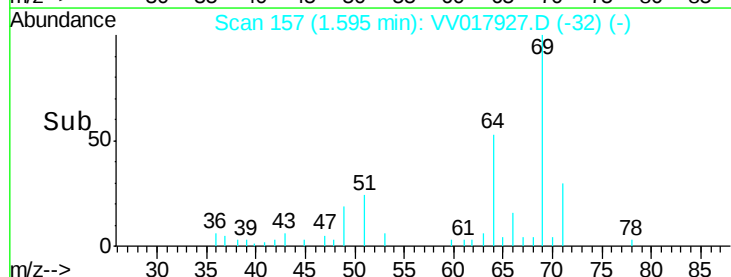
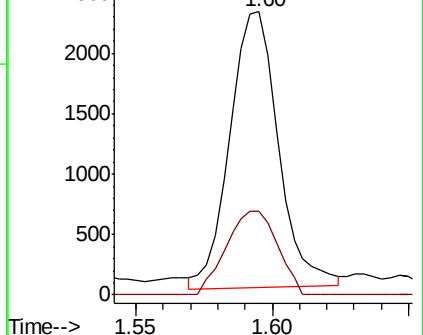
64 100

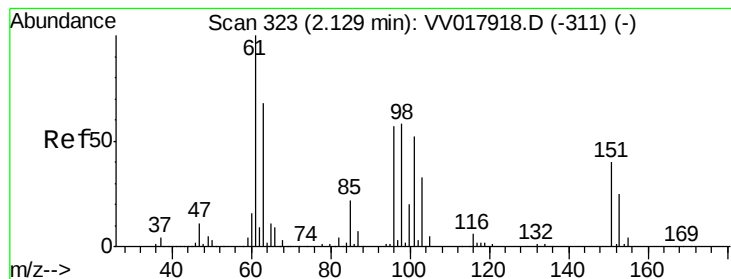
66 29.4 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#12

1,1-Dichloroethene

Concen: 1.938 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017927.D

Acq: 12 Aug 2020 14:50

Instrument :

MSVOA_V

ClientSampled :

F2L60

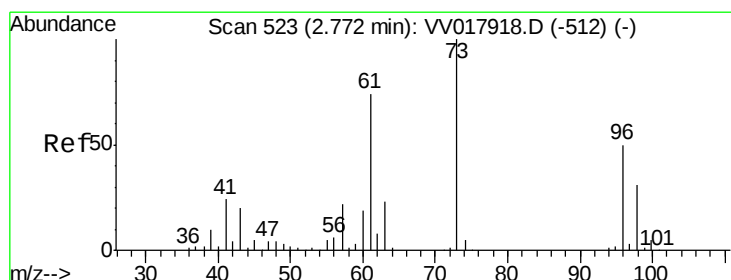
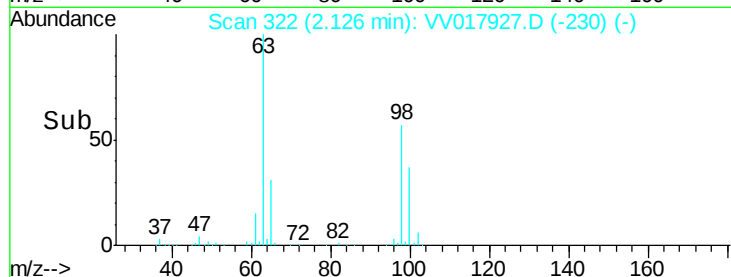
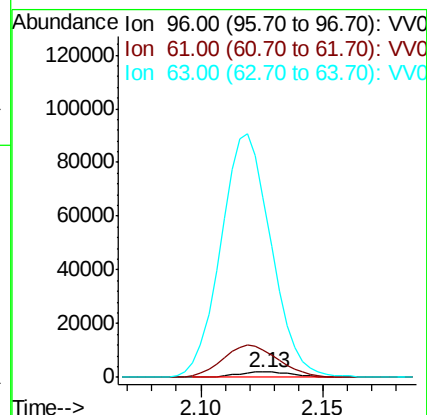
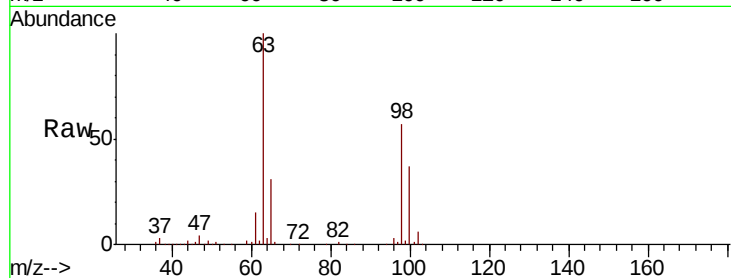
Tot Ion: 96 Resp: 3316

Ion Ratio Lower Upper

96 100

61 489.6 127.1 236.0#

63 3291.5 95.2 176.8#



#17

trans-1,2-Dichloroethene

Concen: 4.904 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.01 min

Lab File: VV017927.D

Acq: 12 Aug 2020 14:50

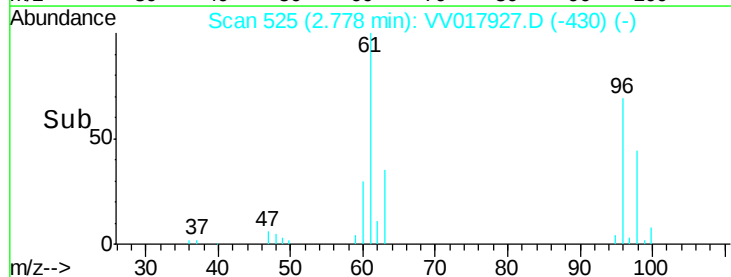
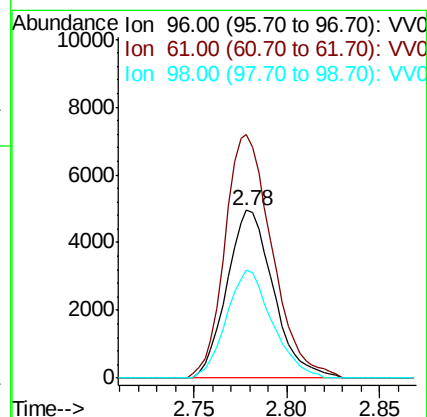
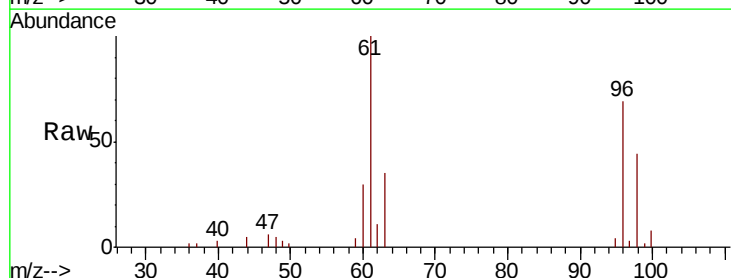
Tgt Ion: 96 Resp: 8624

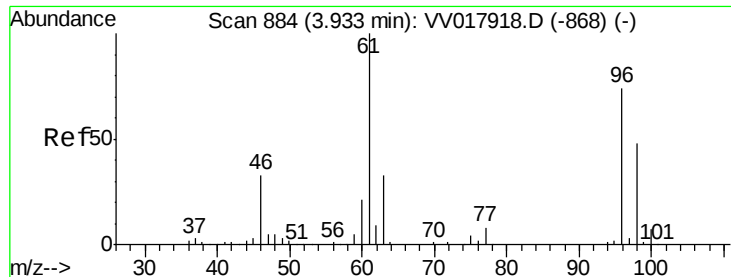
Ion Ratio Lower Upper

96 100

61 145.3 102.4 190.2

98 64.3 44.4 82.5

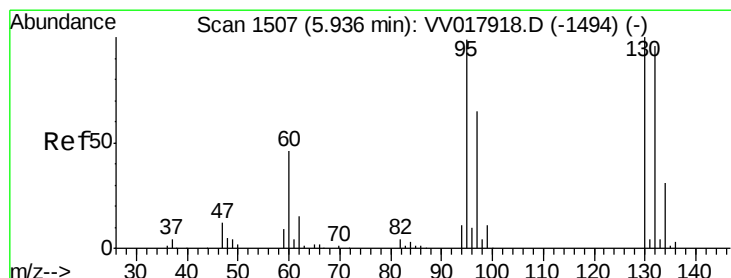
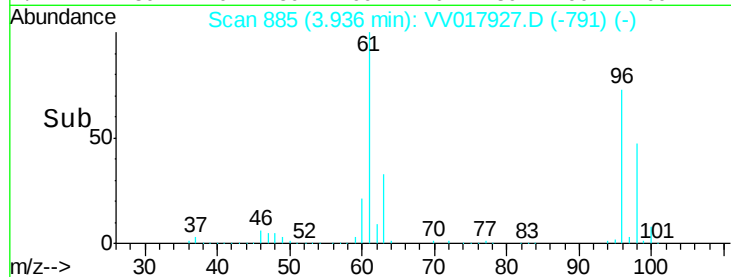
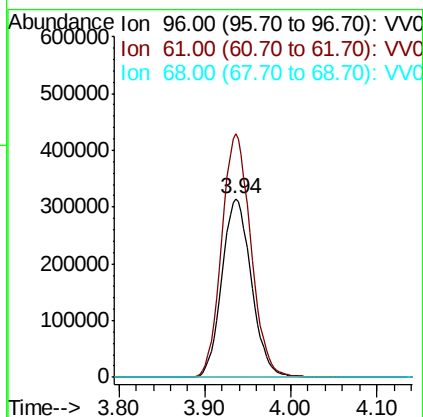
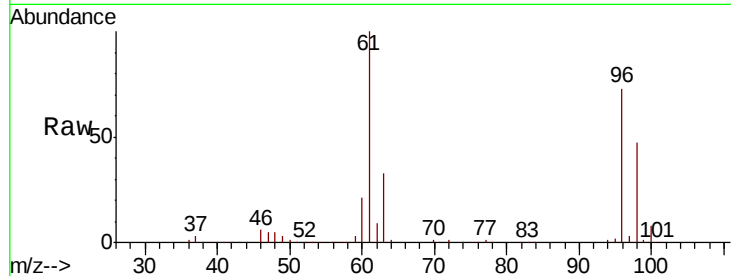




#20
 cis-1,2-Dichloroethene
 Concen: 388.706 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017927.D
 Acq: 12 Aug 2020 14:50

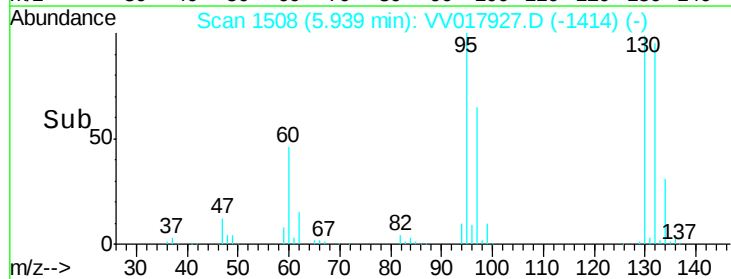
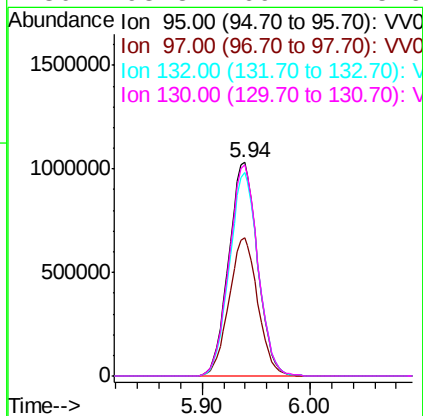
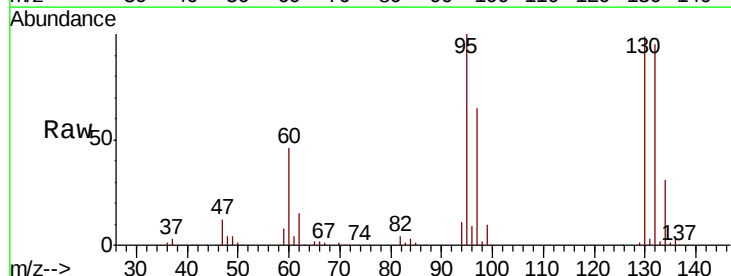
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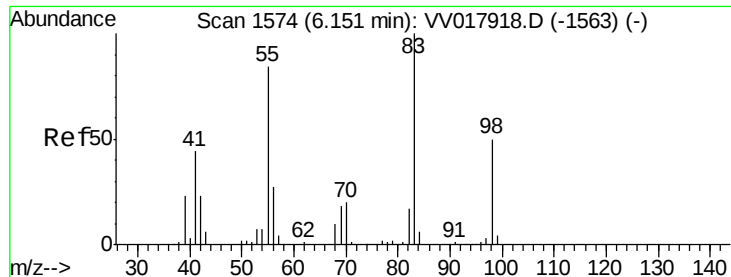
Tot Ion: 96 Resp: 751167
 Ion Ratio Lower Upper
 96 100
 61 136.3 95.0 176.4
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 952.003 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV017927.D
 Acq: 12 Aug 2020 14:50

Tgt Ion: 95 Resp: 1924285
 Ion Ratio Lower Upper
 95 100
 97 64.6 46.0 85.4
 132 95.1 65.8 122.2
 130 98.8 69.2 128.6

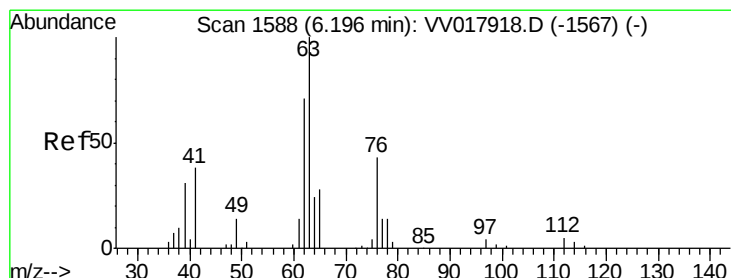
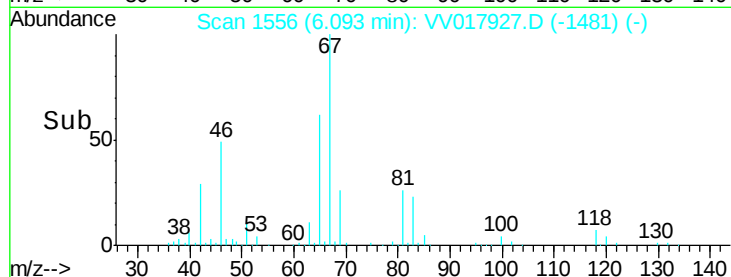
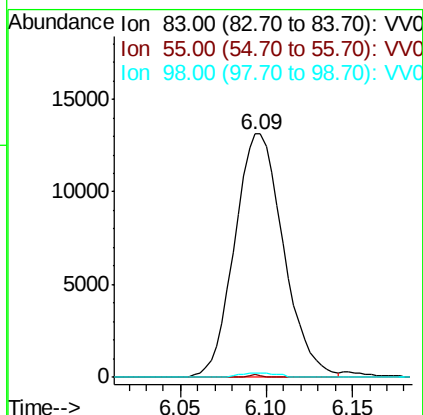
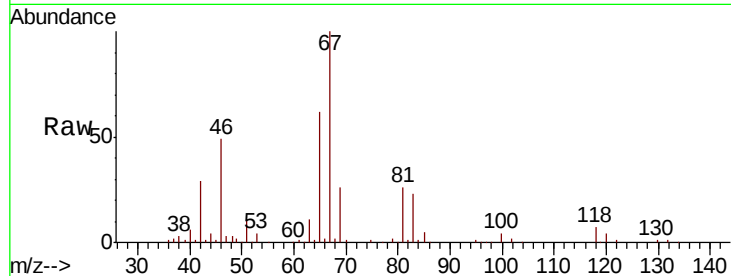




#35
Methvlcvclohexane
Concen: 8.613 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017927.D
Acq: 12 Aug 2020 14:50

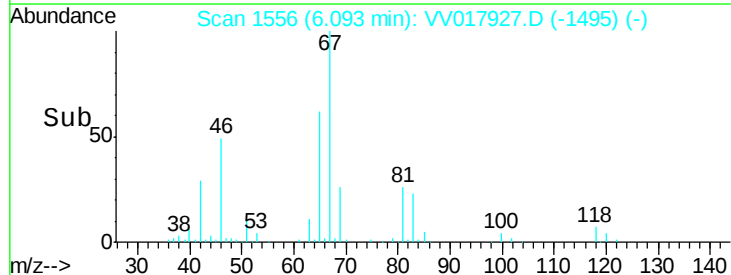
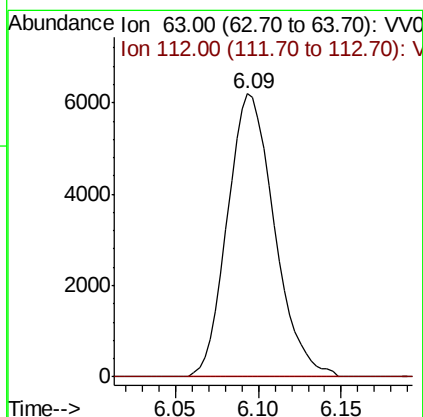
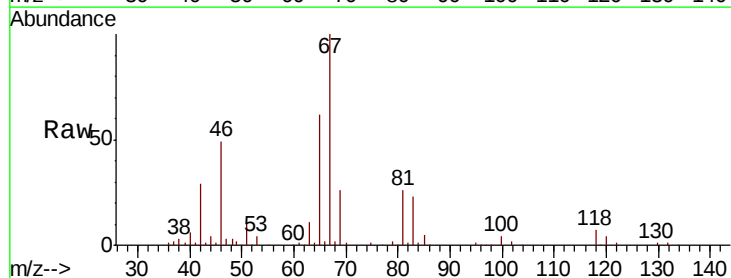
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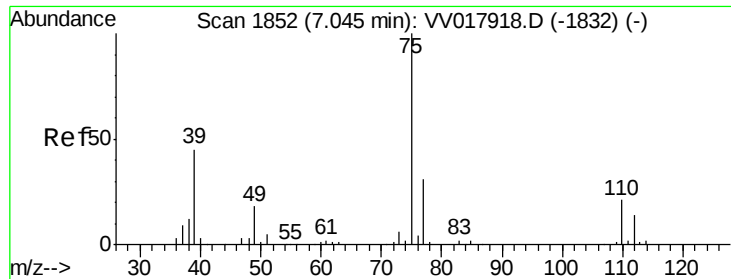
Tot Ion: 83 Resp: 25887
Ion Ratio Lower Upper
83 100
55 0.3 64.9 97.3#
98 1.4 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 5.872 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV017927.D
Acq: 12 Aug 2020 14:50

Tgt Ion: 63 Resp: 12246
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

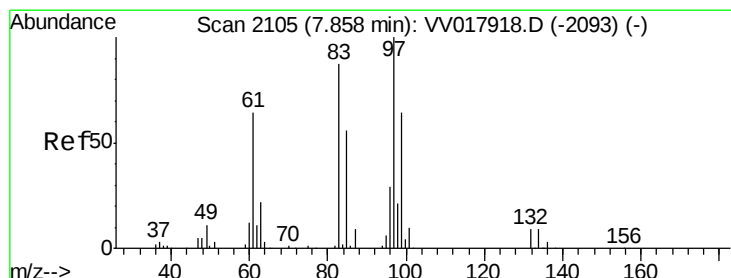
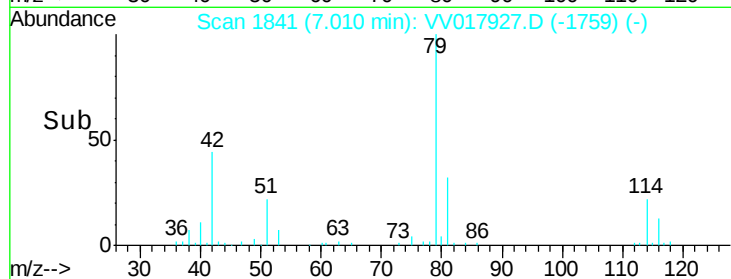
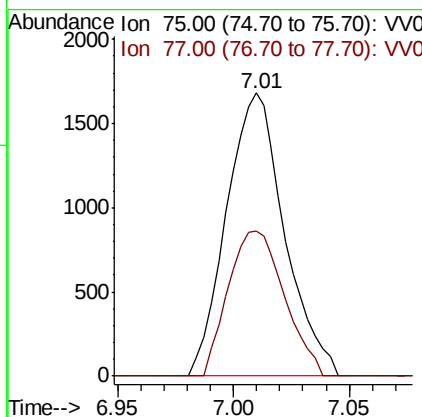
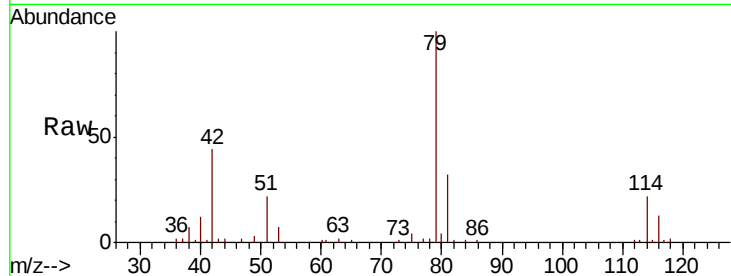




#39
 cis-1,3-Dichloropropene
 Concen: 0.988 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017927.D
 Acq: 12 Aug 2020 14:50

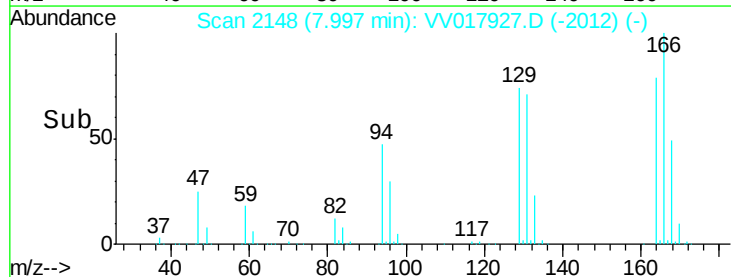
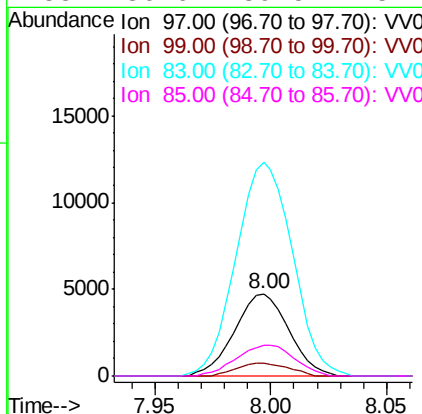
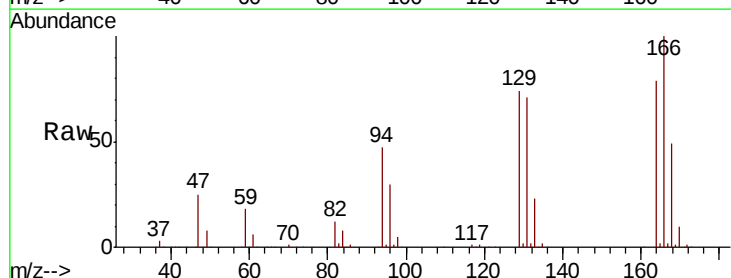
Instrument :
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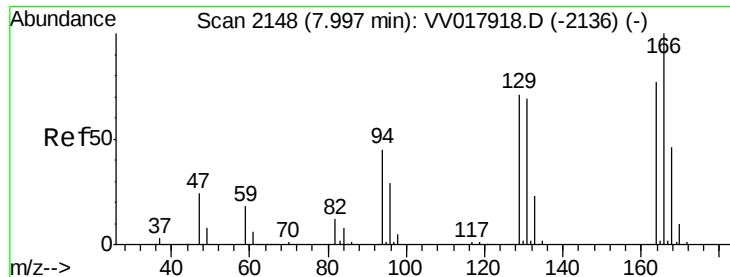
Tot Ion: 75 Resp: 2921
 Ion Ratio Lower Upper
 75 100
 77 51.5 22.3 41.5#



#45
 1,1,2-Trichloroethane
 Concen: 3.993 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.14 min
 Lab File: VV017927.D
 Acq: 12 Aug 2020 14:50

Tgt Ion: 97 Resp: 7712
 Ion Ratio Lower Upper
 97 100
 99 16.0 44.2 82.2#
 83 259.4 61.0 113.4#
 85 36.6 39.5 73.4#





#46

Tetrachloroethene

Concen: 606.078 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017927.D

Acq: 12 Aug 2020 14:50

Instrument :

MSVOA_V

ClientSampleId :

F2L60

Tot Ion:164 Resp: 898455

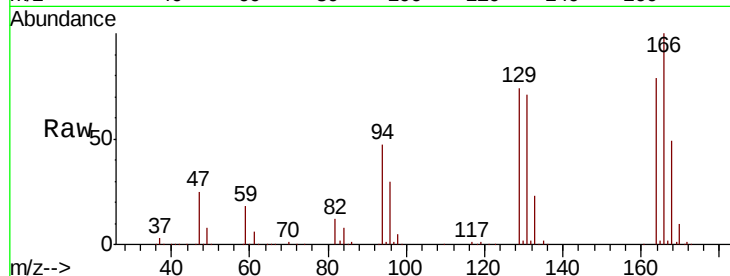
Ion Ratio Lower Upper

164 100

129 94.1 64.8 120.3

131 90.0 64.5 119.9

166 126.8 88.9 165.1

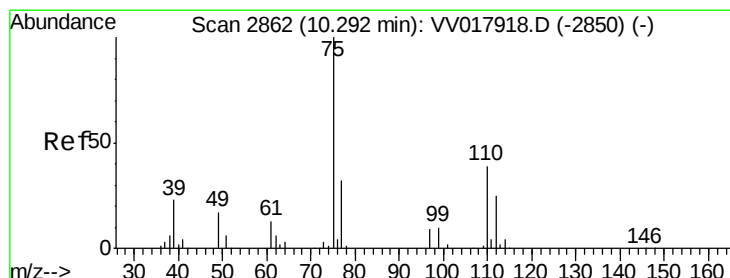
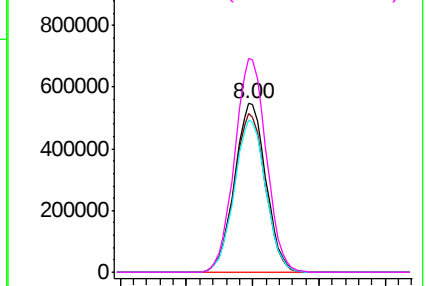
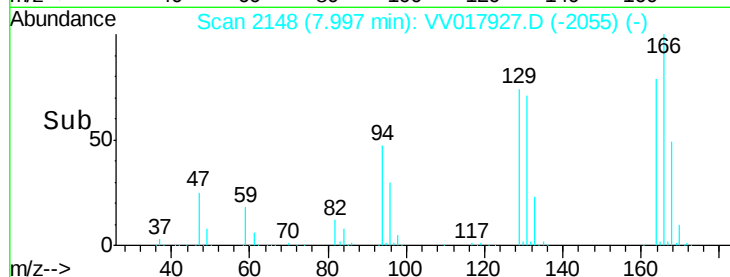


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 5.357 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017927.D

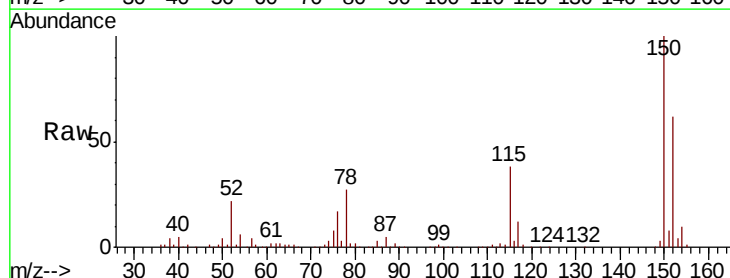
Acq: 12 Aug 2020 14:50

Tgt Ion: 75 Resp: 13798

Ion Ratio Lower Upper

75 100

77 36.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

