

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017921.D
 Acq On : 12 Aug 2020 12:29
 Operator : SY/MD
 Sample : L3644-02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L96

Quant Time: Aug 13 04:36:47 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	262478	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	250096	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	110028	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	91024	45.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.90%
7) Chloroethane-d5	1.58	69	75590	46.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.28%
11) 1,1-Dichloroethene-d2	2.12	63	132732	34.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.30%
21) 2-Butanone-d5	3.91	46	140598	107.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.19%
24) Chloroform-d	4.37	84	172297	47.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.52%
26) 1,2-Dichloroethane-d4	5.06	65	118846	50.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.38%
32) Benzene-d6	5.07	84	346758	50.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.62%
36) 1,2-Dichloropropane-d6	6.09	67	113097	50.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.38%
41) Toluene-d8	7.34	98	301636	48.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.32%
43) trans-1,3-Dichloropropene-	7.64	79	48753	47.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.40%
47) 2-Hexanone-d5	8.11	63	76798	106.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.20%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	146607	49.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.92%
64) 1,2-Dichlorobenzene-d4	11.65	152	117077	54.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.14%

Target Compounds

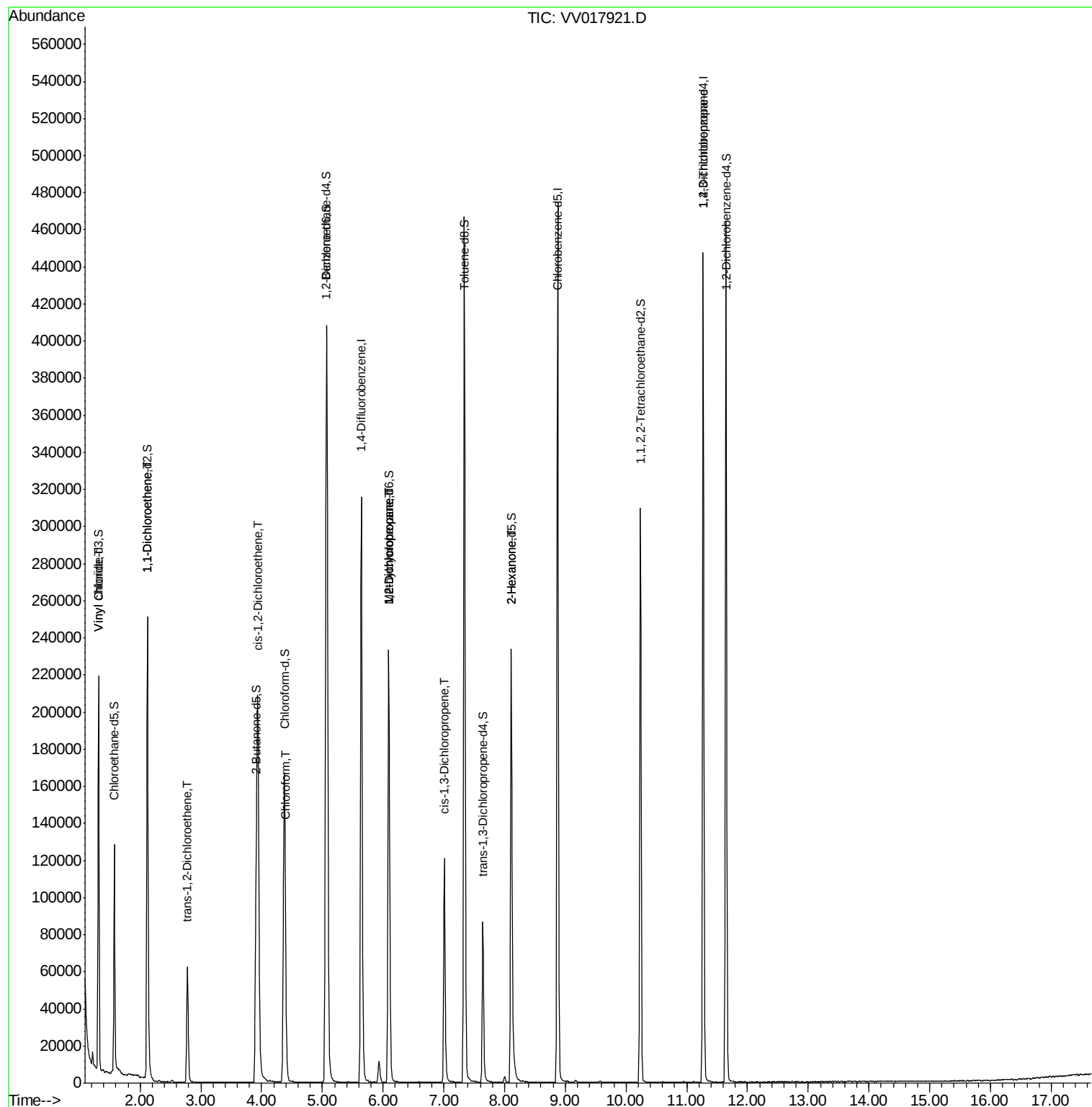
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	48544	20.814	ug/L	95
12) 1,1-Dichloroethene	2.12	96	1370	0.778	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	22952	12.682	ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	101902	51.235	ug/L	98
25) Chloroform	4.40	83	3102	0.836	ug/L #	71
35) Methylcyclohexane	6.10	83	26897	8.844	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	12604	5.973	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2871	0.960	ug/L #	75
48) 2-Hexanone	8.11	43	9716	4.368	ug/L #	72
59) 1,2,3-Trichloropropane	11.27	75	13376	5.133	ug/L	92

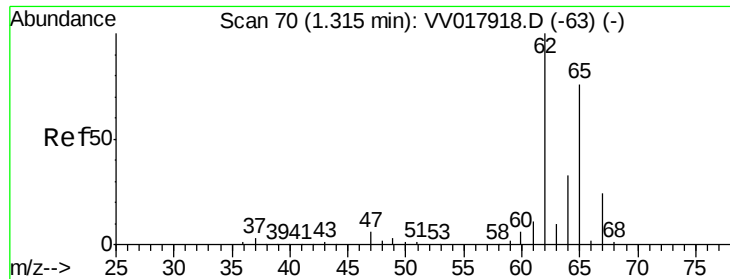
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 13 04:34:59 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 20.814 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017921.D

Acq: 12 Aug 2020 12:29

Instrument :

MSVOA_V

ClientSampled :

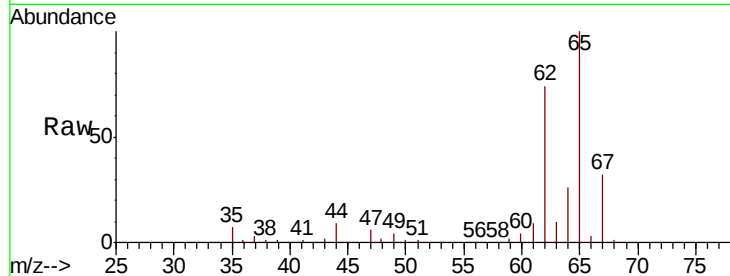
F2L96

Tot Ion: 62 Resp: 48544

Ion Ratio Lower Upper

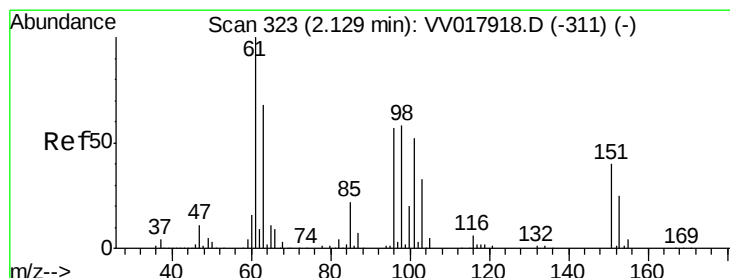
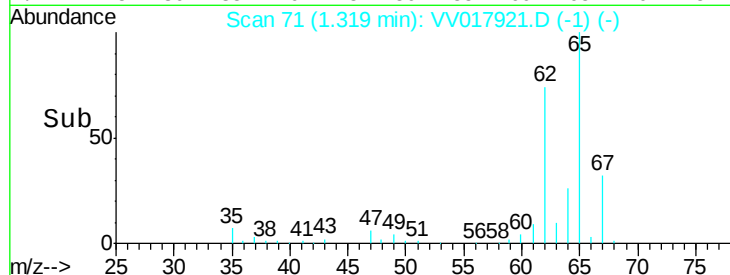
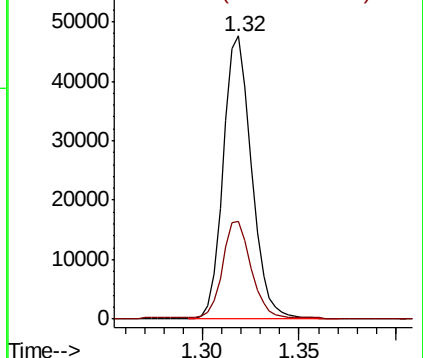
62 100

64 34.7 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#12

1,1-Dichloroethene

Concen: 0.778 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017921.D

Acq: 12 Aug 2020 12:29

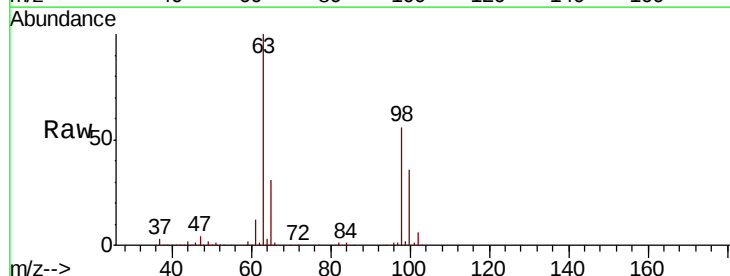
Tgt Ion: 96 Resp: 1370

Ion Ratio Lower Upper

96 100

61 1285.7 127.1 236.0#

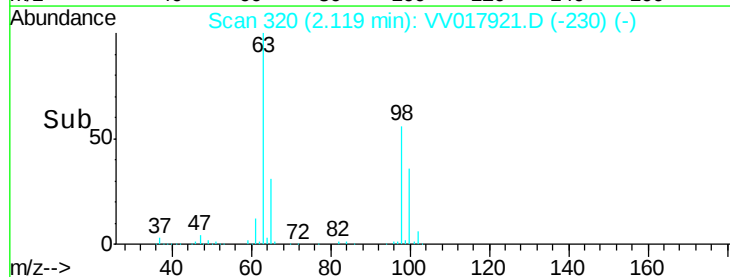
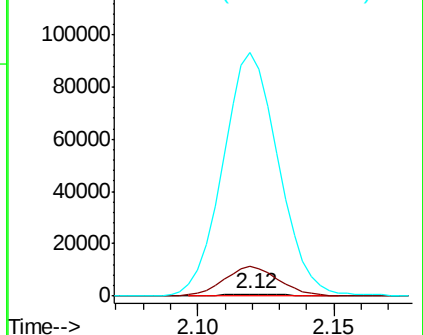
63 10682.6 95.2 176.8#

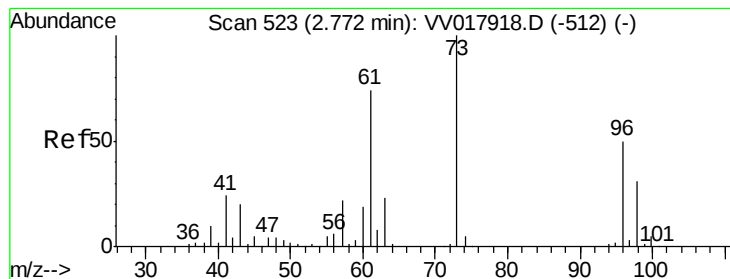


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 12.682 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.01 min

Lab File: VV017921.D

Acq: 12 Aug 2020 12:29

Instrument :

MSVOA_V

ClientSampled :

F2L96

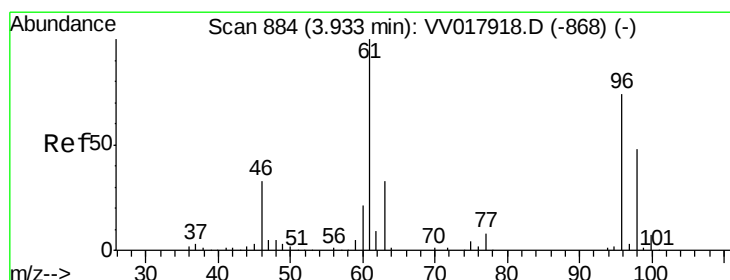
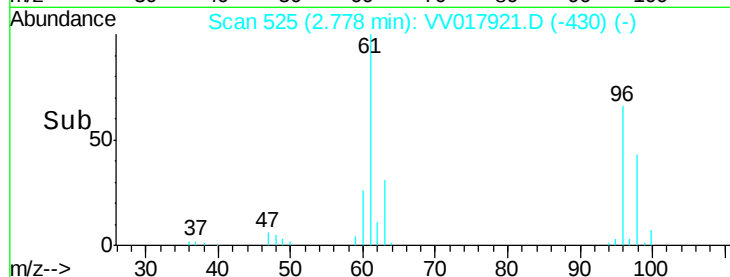
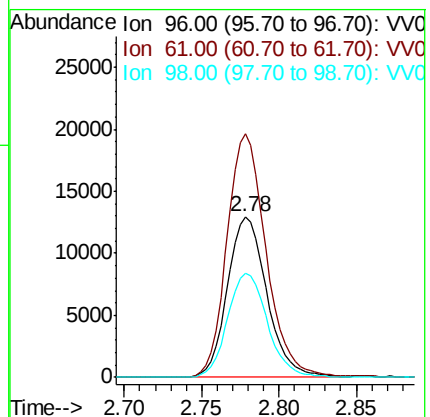
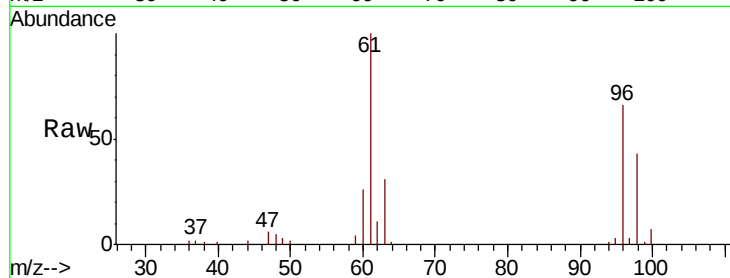
Tot Ion: 96 Resp: 22952

Ion Ratio Lower Upper

96 100

61 151.8 102.4 190.2

98 64.8 44.4 82.5



#20

cis-1,2-Dichloroethene

Concen: 51.235 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV017921.D

Acq: 12 Aug 2020 12:29

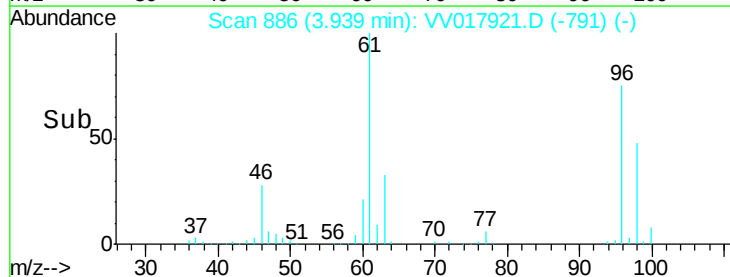
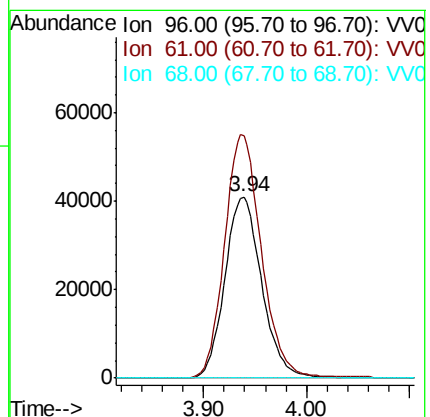
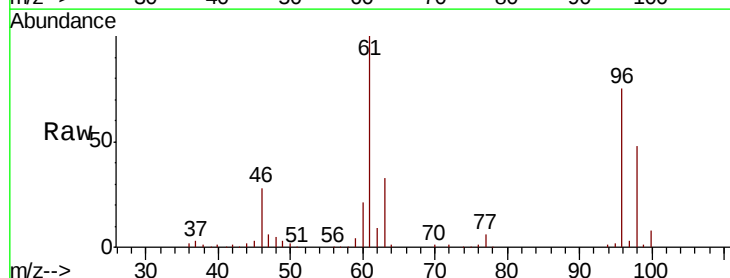
Tgt Ion: 96 Resp: 101902

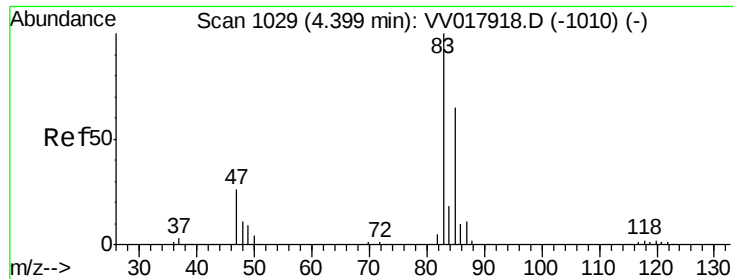
Ion Ratio Lower Upper

96 100

61 133.9 95.0 176.4

68 0.0 0.0 0.0

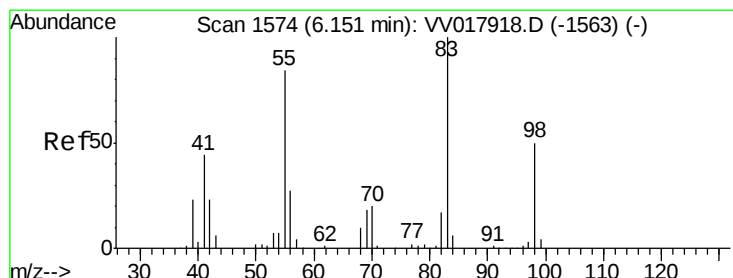
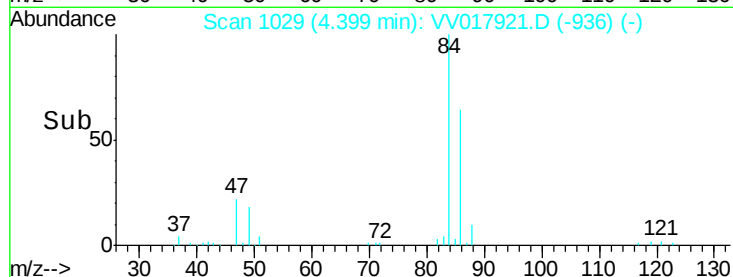
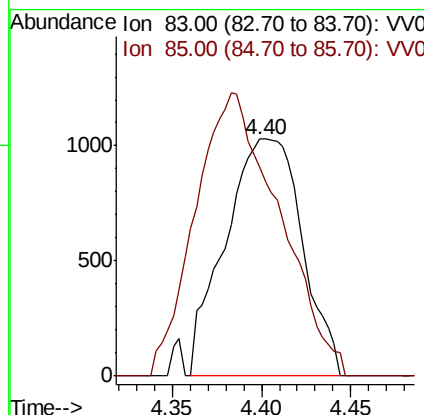
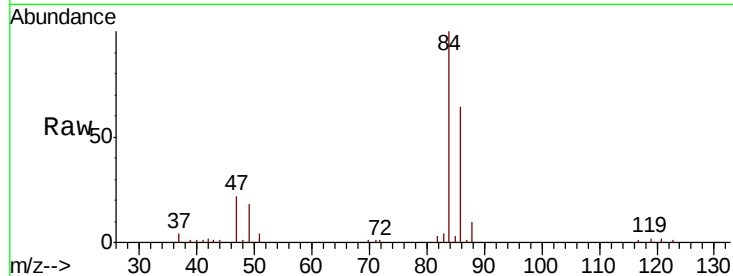




#25
Chloroform
Concen: 0.836 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV017921.D
Acq: 12 Aug 2020 12:29

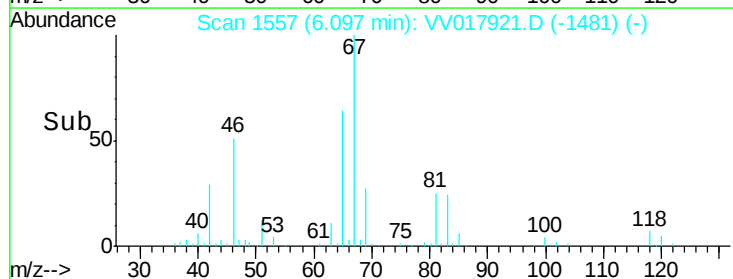
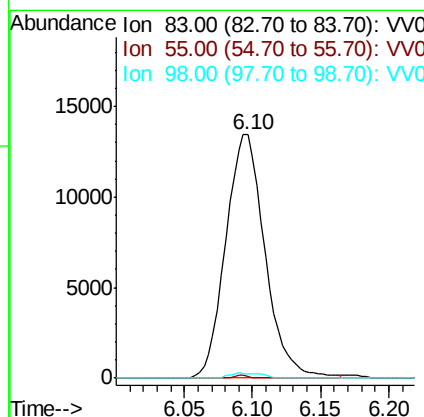
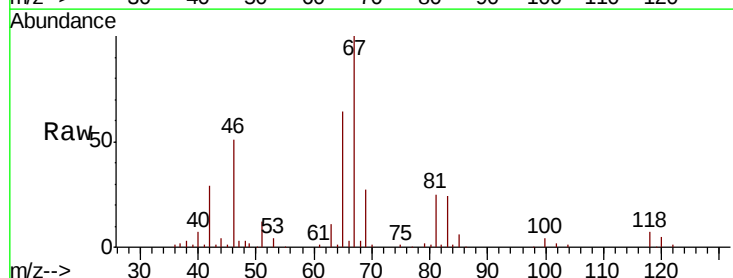
Instrument :
MSVOA_V
ClientSampled :
F2L96

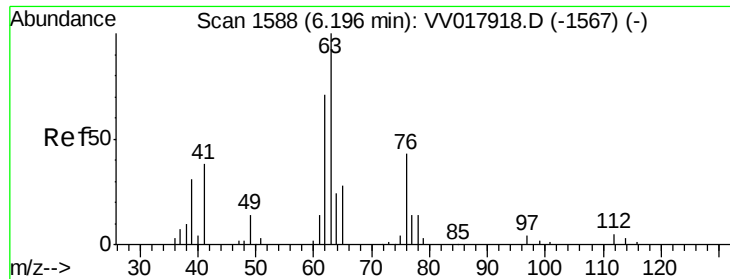
Tot Ion: 83 Resp: 3102
Ion Ratio Lower Upper
83 100
85 88.2 45.5 84.5#



#35
Methylcyclohexane
Concen: 8.844 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017921.D
Acq: 12 Aug 2020 12:29

Tgt Ion: 83 Resp: 26897
Ion Ratio Lower Upper
83 100
55 0.4 64.9 97.3#
98 1.0 38.7 58.1#

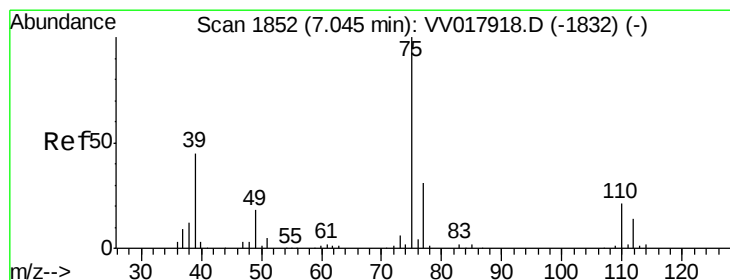
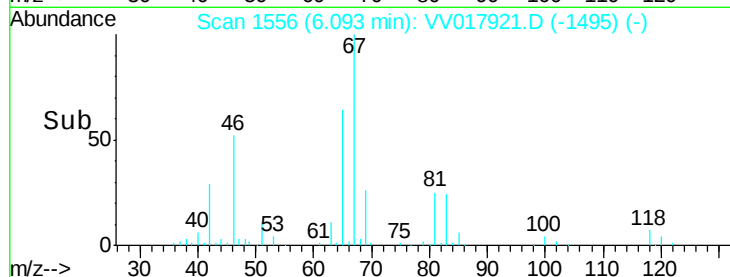
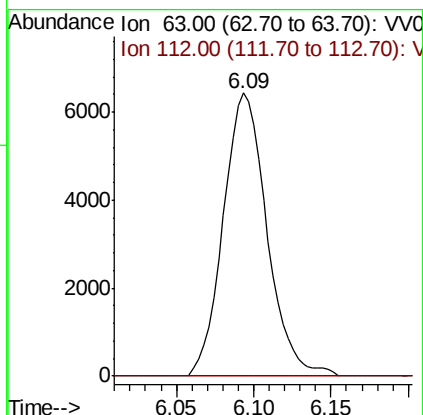
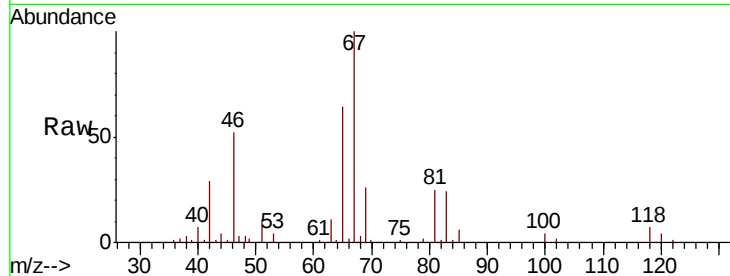




#37
 1,2-Dichloropropane
 Concen: 5.973 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV017921.D
 Acq: 12 Aug 2020 12:29

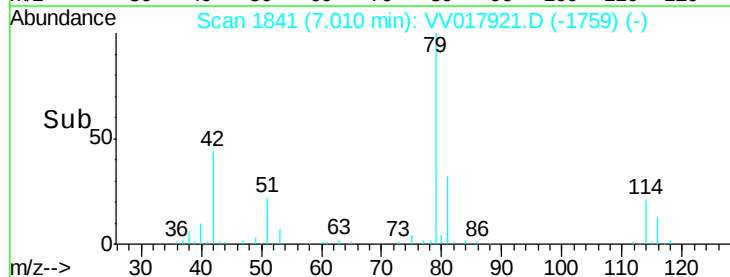
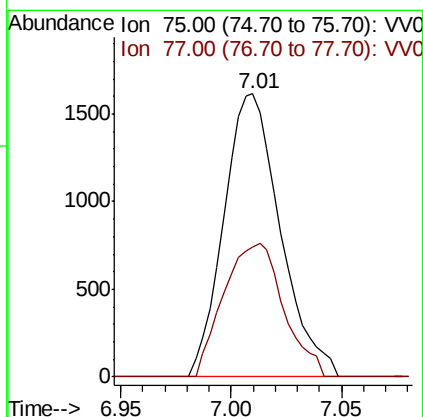
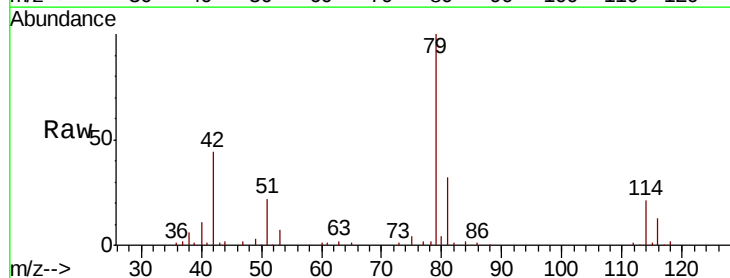
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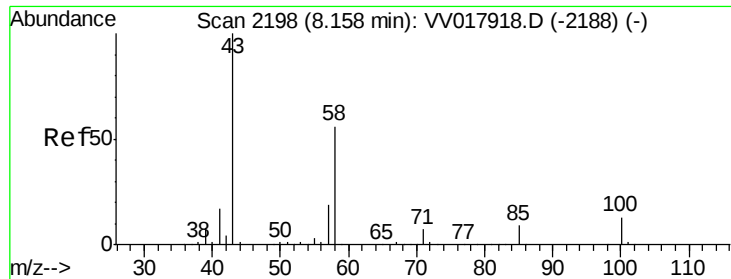
Tot Ion: 63 Resp: 12604
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.960 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017921.D
 Acq: 12 Aug 2020 12:29

Tgt Ion: 75 Resp: 2871
 Ion Ratio Lower Upper
 75 100
 77 45.9 22.3 41.5#

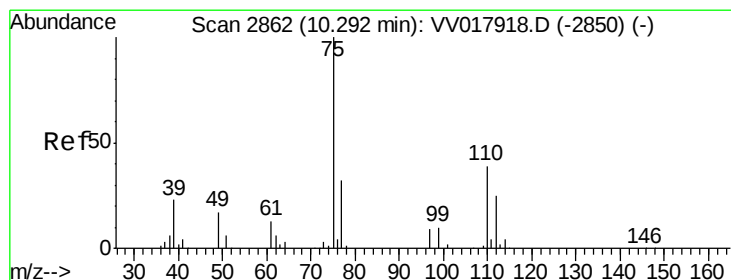
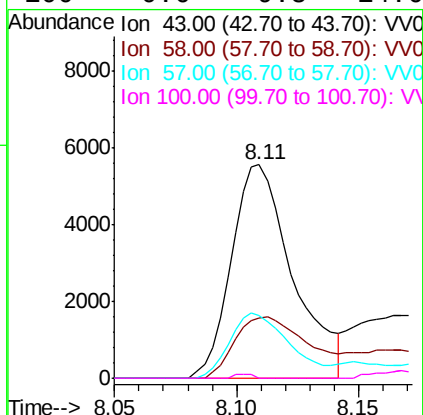
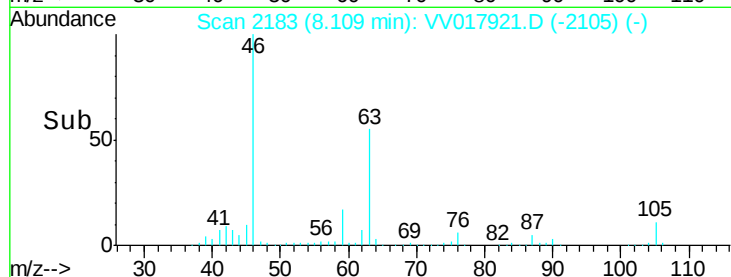
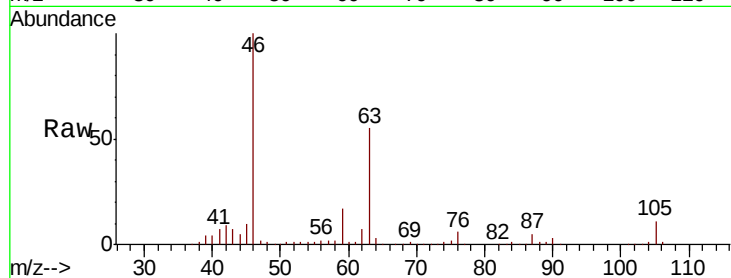




#48
 2-Hexanone
 Concen: 4.368 ug/L
 RT: 8.11 min Scan# 2183
 Delta R.T. -0.05 min
 Lab File: VV017921.D
 Acq: 12 Aug 2020 12:29

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L96

Tot Ion: 43 Resp: 9716
 Ion Ratio Lower Upper
 43 100
 58 34.2 44.4 66.6#
 57 29.8 15.2 22.8#
 100 0.6 9.8 14.6#



#59
 1,2,3-Trichloropropane
 Concen: 5.133 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.98 min
 Lab File: VV017921.D
 Acq: 12 Aug 2020 12:29

Tgt Ion: 75 Resp: 13376
 Ion Ratio Lower Upper
 75 100
 77 36.4 25.7 38.5

