

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\
 Data File : VV018001.D
 Acq On : 14 Aug 2020 17:01
 Operator : SY/MD
 Sample : L3665-09
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L69

Quant Time: Aug 17 01:37:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 17 01:31:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	246641	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	243933	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	116906	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	92002	48.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.78%
7) Chloroethane-d5	1.58	69	78867	51.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.46%
11) 1,1-Dichloroethene-d2	2.12	63	138277	38.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.82%
21) 2-Butanone-d5	3.91	46	119633	97.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.06%
24) Chloroform-d	4.38	84	162124	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.66%
26) 1,2-Dichloroethane-d4	5.06	65	117511	52.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.62%
32) Benzene-d6	5.07	84	338256	50.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.64%
36) 1,2-Dichloropropane-d6	6.09	67	110796	50.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.82%
41) Toluene-d8	7.34	98	297200	49.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.32%
43) trans-1,3-Dichloropropene-	7.64	79	47948	48.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.20%
47) 2-Hexanone-d5	8.11	63	62360	88.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.42%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	138962	48.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.10%
64) 1,2-Dichlorobenzene-d4	11.65	152	122817	53.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.76%

Target Compounds

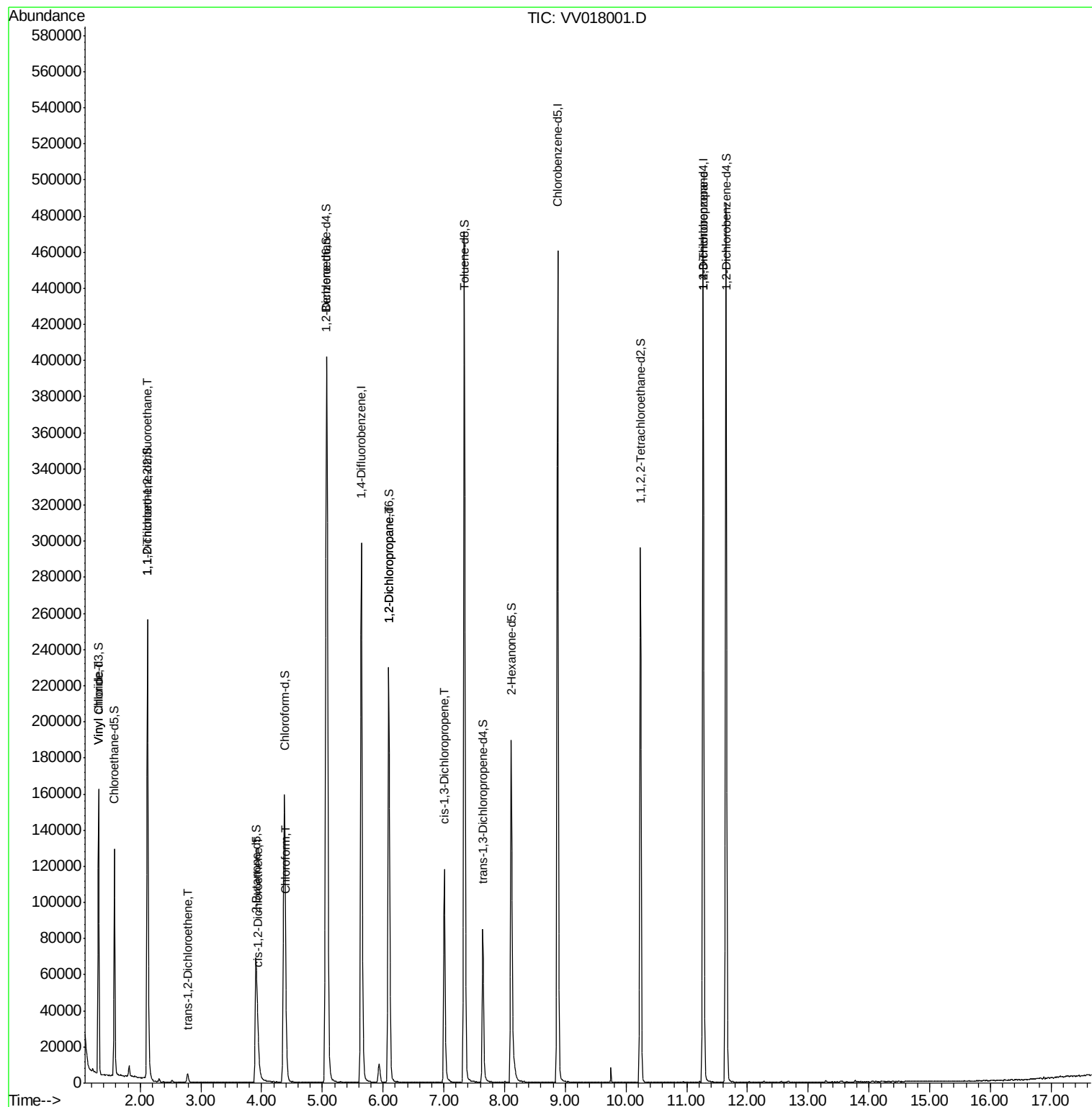
					Ovalue
5) Vinyl chloride	1.32	62	6581	3.003 ug/L #	65
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1253	0.717 ug/L #	20
17) trans-1,2-Dichloroethene	2.78	96	1596	0.938 ug/L	92
20) cis-1,2-Dichloroethene	3.94	96	3691	1.975 ug/L	94
25) Chloroform	4.41	83	6615	1.897 ug/L	100
37) 1,2-Dichloropropane	6.09	63	11969	5.815 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	3104	1.064 ug/L	84
59) 1,2,3-Trichloropropane	11.27	75	14068	5.535 ug/L	89

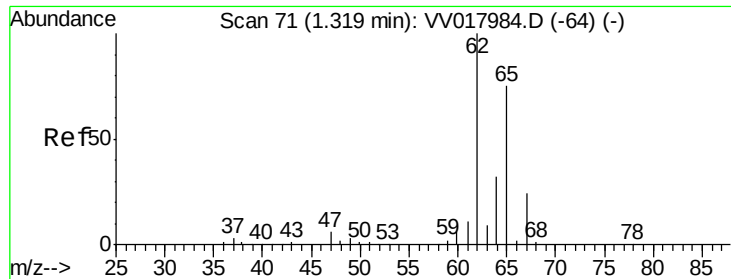
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.003 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018001.D

Acq: 14 Aug 2020 17:01

Instrument :

MSVOA_V

ClientSampleId :

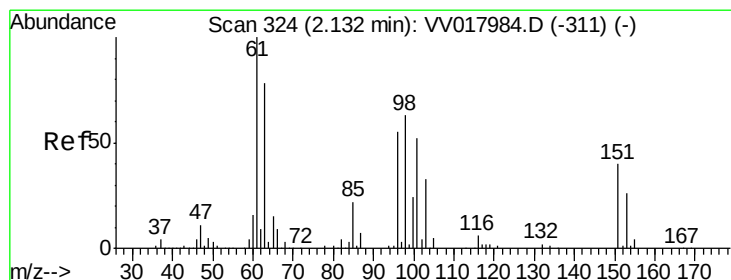
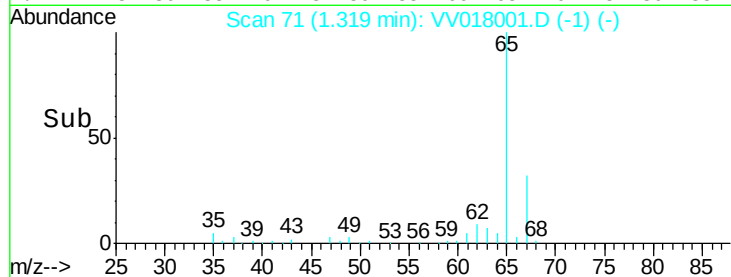
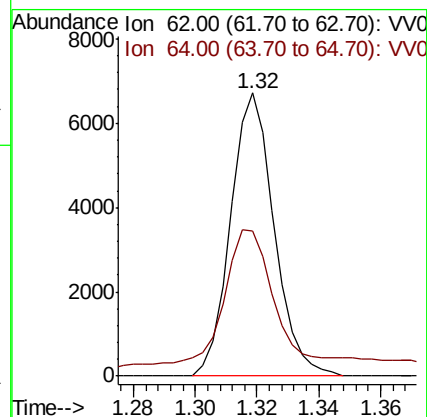
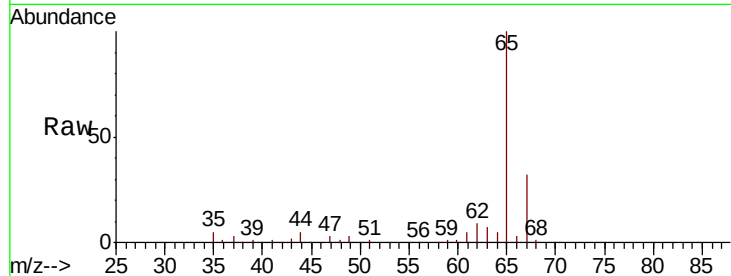
F4L69

Tot Ion: 62 Resp: 6581

Ion Ratio Lower Upper

62 100

64 51.5 22.4 41.6#



#10

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

Concen: 0.717 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018001.D

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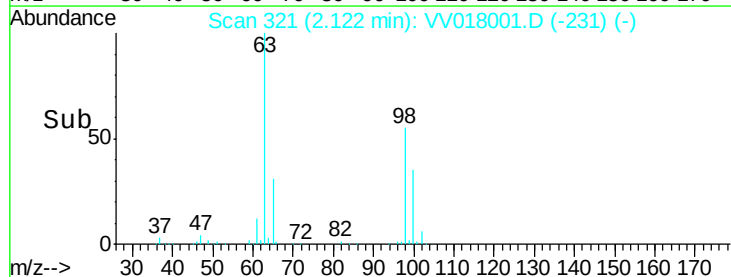
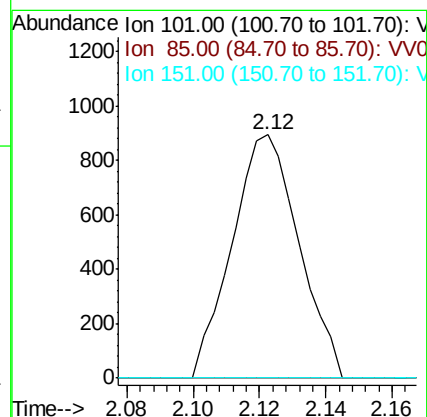
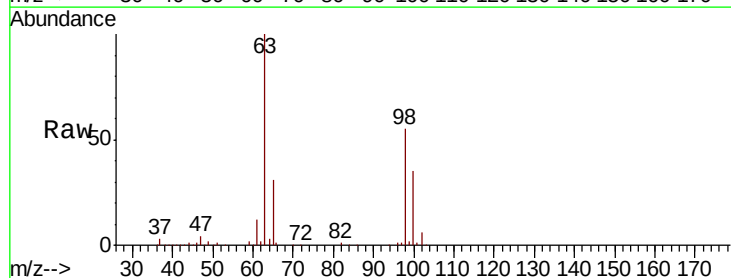
Tgt Ion: 101 Resp: 1253

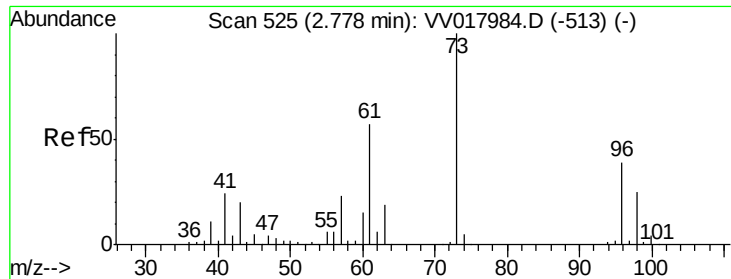
Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

151 0.0 59.1 88.7#





#17

trans-1,2-Dichloroethene

Concen: 0.938 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

F4L69

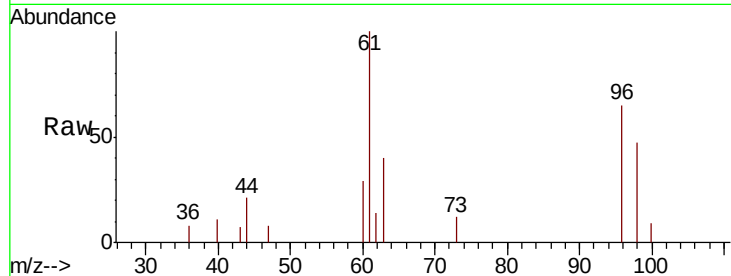
Tot Ion: 96 Resp: 1596

Ion Ratio Lower Upper

96 100

61 154.5 102.4 190.2

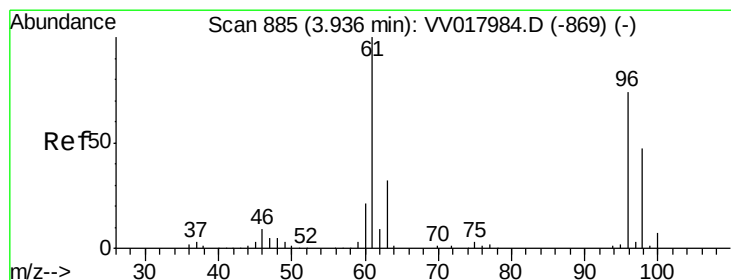
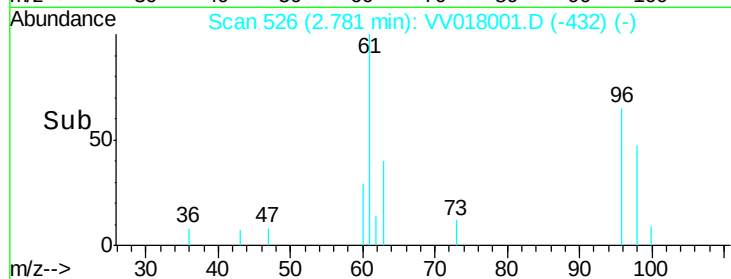
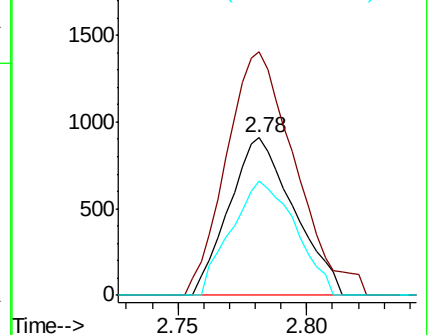
98 72.2 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 1.975 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV018001.D

Acq: 14 Aug 2020 17:01

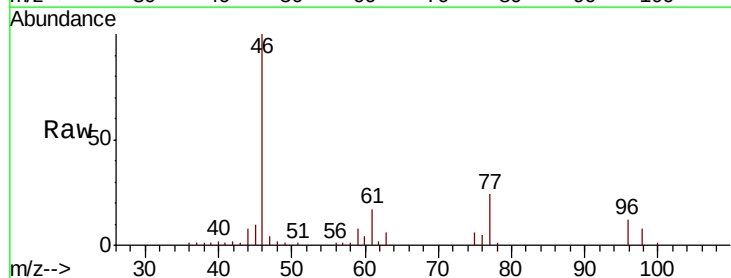
Tgt Ion: 96 Resp: 3691

Ion Ratio Lower Upper

96 100

61 142.5 95.0 176.4

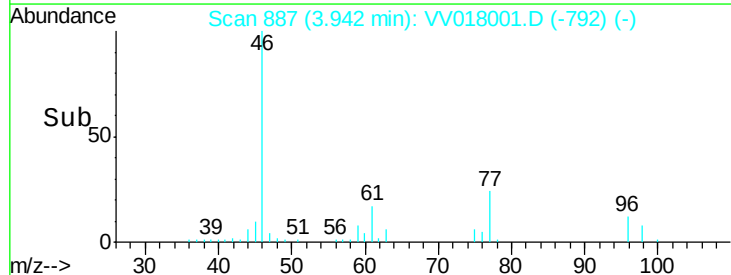
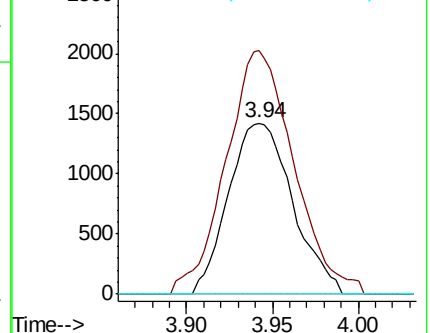
68 0.0 0.0 0.0

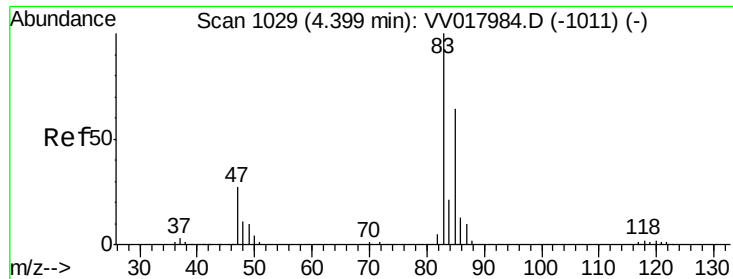


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

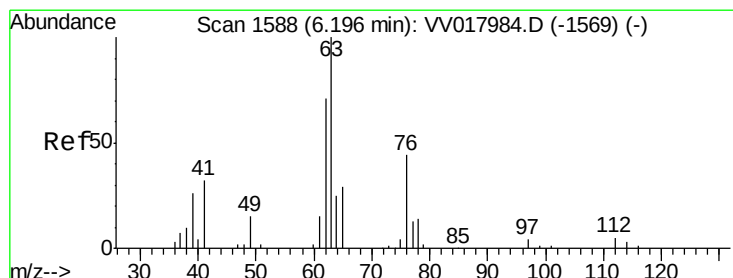
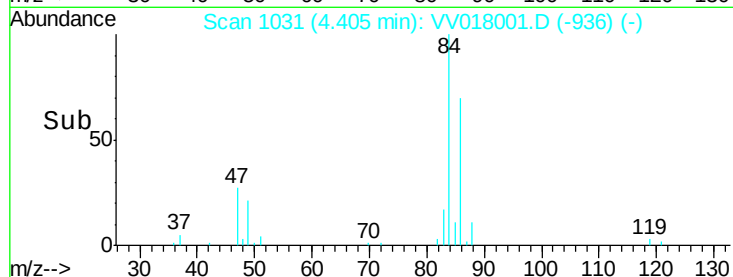
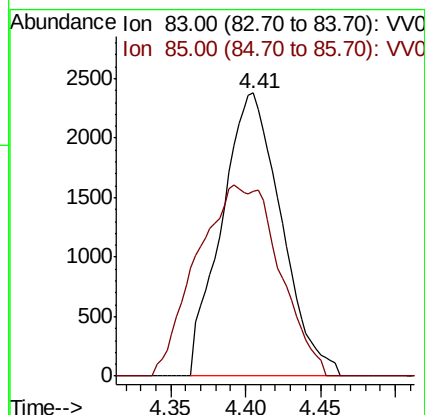
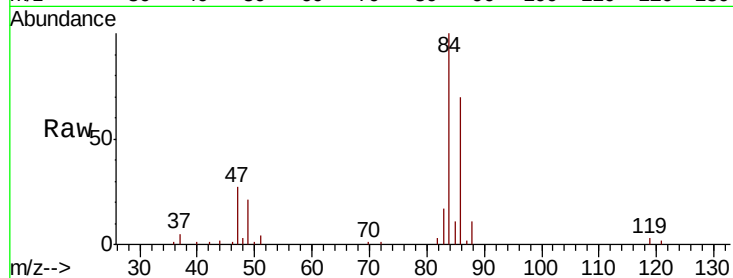




#25
Chloroform
Concen: 1.897 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV018001.D
Acq: 14 Aug 2020 17:01

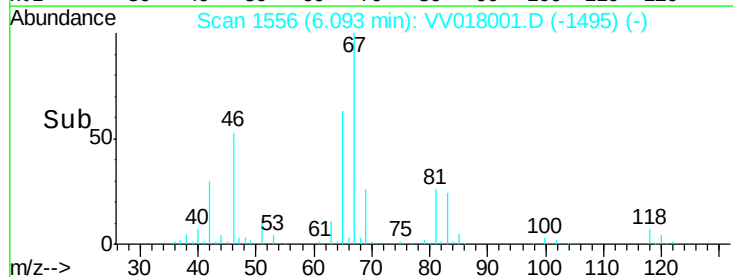
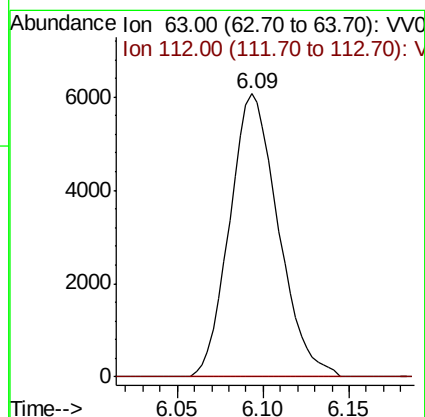
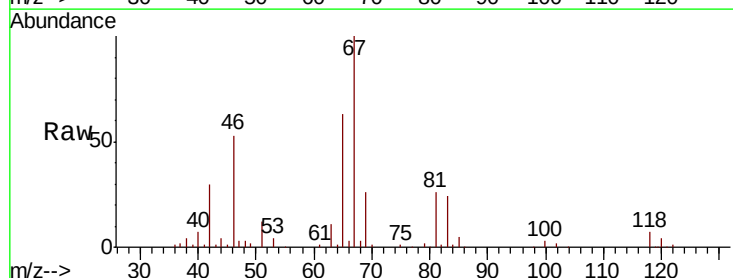
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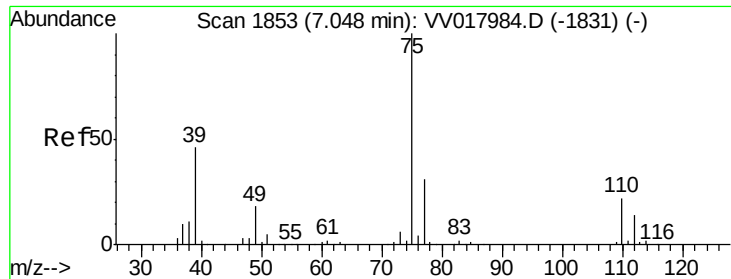
Tot Ion: 83 Resp: 6615
Ion Ratio Lower Upper
83 100
85 65.3 45.5 84.5



#37
1,2-Dichloropropane
Concen: 5.815 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV018001.D
Acq: 14 Aug 2020 17:01

Tgt Ion: 63 Resp: 11969
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

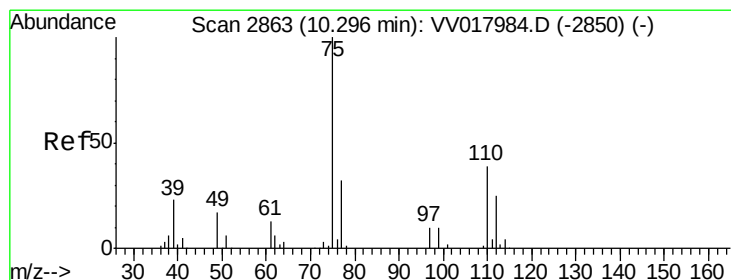
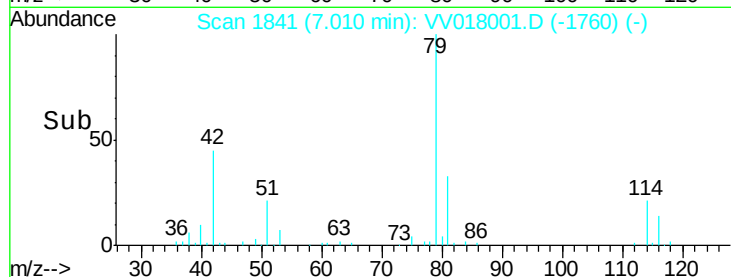
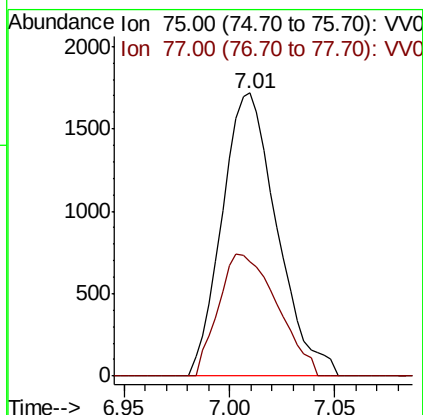
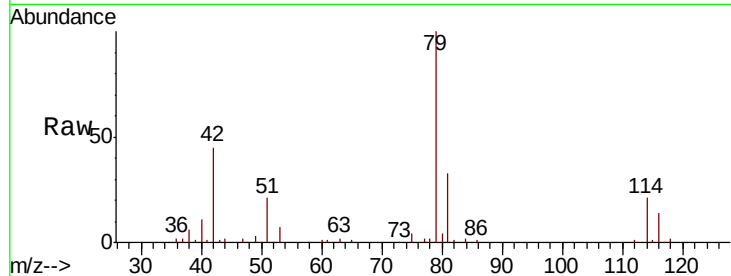




#39
 cis-1,3-Dichloropropene
 Concen: 1.064 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV018001.D
 Acq: 14 Aug 2020 17:01

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L69

Tot Ion: 75 Resp: 3104
 Ion Ratio Lower Upper
 75 100
 77 40.6 22.3 41.5



#59
 1,2,3-Trichloropropane
 Concen: 5.535 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.97 min
 Lab File: VV018001.D
 Acq: 14 Aug 2020 17:01

Tgt Ion: 75 Resp: 14068
 Ion Ratio Lower Upper
 75 100
 77 38.4 25.7 38.5

