

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\
 Data File : VV017988.D
 Acq On : 14 Aug 2020 11:32
 Operator : SY/MD
 Sample : L3644-20DL 10X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2M14DL

Quant Time: Aug 17 01:34:39 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	259587	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	252831	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	120714	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101843	51.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.84%
7) Chloroethane-d5	1.58	69	83403	51.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.94%
11) 1,1-Dichloroethene-d2	2.12	63	149472	39.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.90%
21) 2-Butanone-d5	3.91	46	116544	89.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.84%
24) Chloroform-d	4.38	84	171703	47.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.24%
26) 1,2-Dichloroethane-d4	5.06	65	117867	50.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.66%
32) Benzene-d6	5.08	84	349136	50.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.22%
36) 1,2-Dichloropropane-d6	6.09	67	113626	49.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.76%
41) Toluene-d8	7.34	98	310196	49.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.00%
43) trans-1,3-Dichloropropene-	7.64	79	48700	47.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.26%
47) 2-Hexanone-d5	8.11	63	57534	78.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.70%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	131755	44.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.84%
64) 1,2-Dichlorobenzene-d4	11.65	152	124819	52.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.08%

Target Compounds

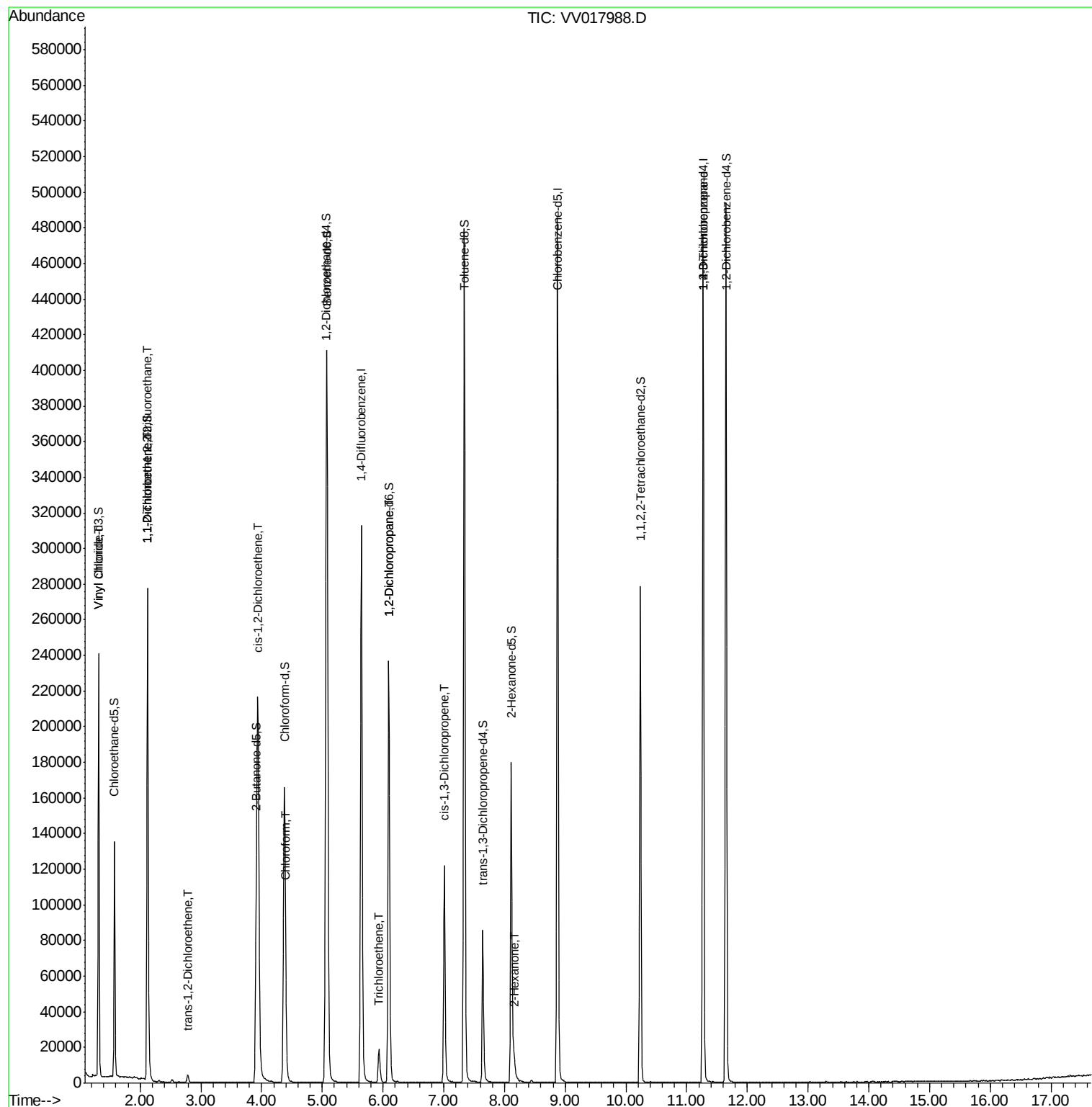
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	51395	22.282	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1316	0.715	ug/L #	20
12) 1,1-Dichloroethene	2.12	96	1268	0.728	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	1792	1.001	ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	106160	53.971	ug/L	98
25) Chloroform	4.41	83	4854	1.322	ug/L	92
34) Trichloroethene	5.95	95	2240	1.083	ug/L	90
37) 1,2-Dichloropropane	6.09	63	12673	5.941	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2741	0.906	ug/L #	65
48) 2-Hexanone	8.16	43	6713	2.985	ug/L #	87
59) 1,2,3-Trichloropropane	11.27	75	14738	5.594	ug/L	94

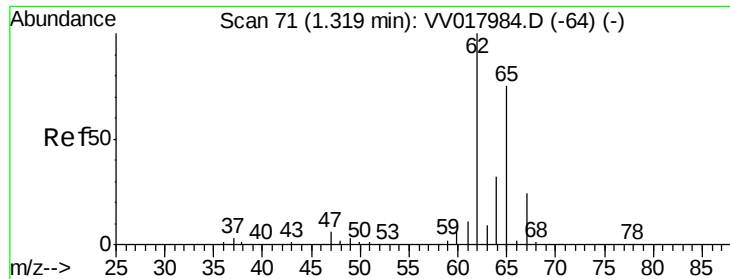
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Mon Aug 17 01:31:40 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 22.282 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017988.D

Acq: 14 Aug 2020 11:32

Instrument :

MSVOA_V

ClientSampled :

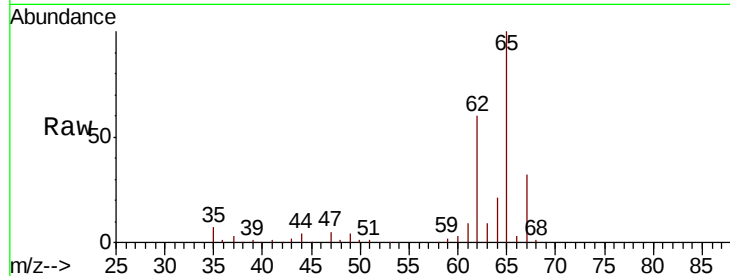
F2M14DL

Tot Ion: 62 Resp: 51395

Ion Ratio Lower Upper

62 100

64 34.2 22.4 41.6

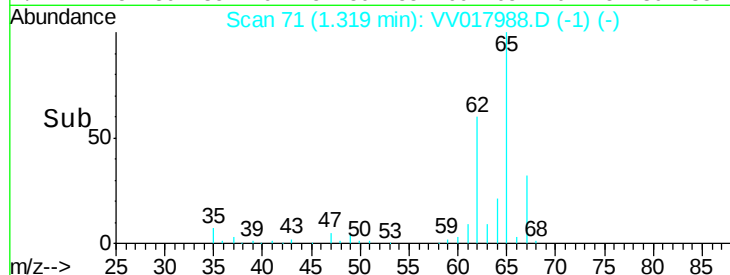


Abundance Ion 62.00 (61.70 to 62.70): VV017988.D (-64) (-)

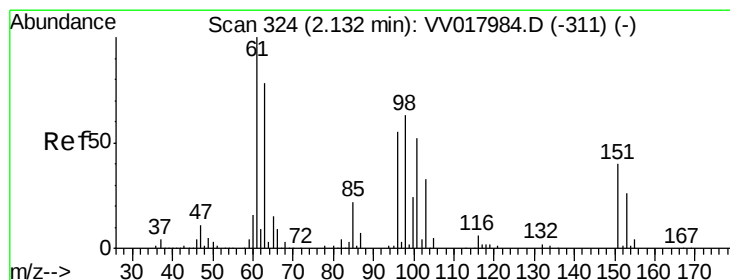
Ion 64.00 (63.70 to 64.70): VV017988.D (-64) (-)

1.32

1.35



Time-->



#10

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

Concen: 0.715 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017988.D

Acq: 14 Aug 2020 11:32

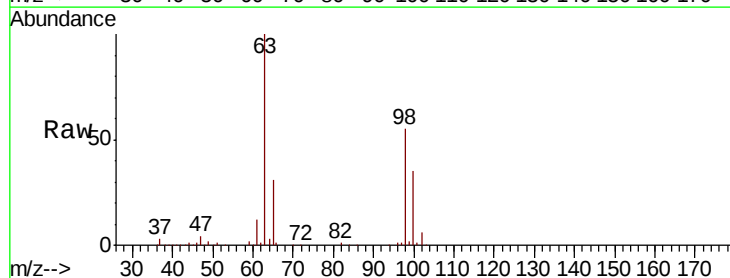
Tgt Ion: 101 Resp: 1316

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

151 0.0 59.1 88.7#



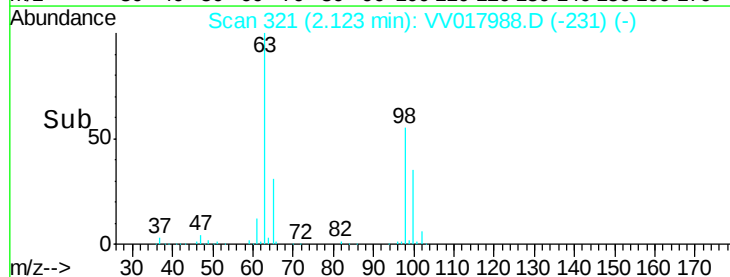
Abundance Ion 101.00 (100.70 to 101.70): VV017988.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV017988.D (-311) (-)

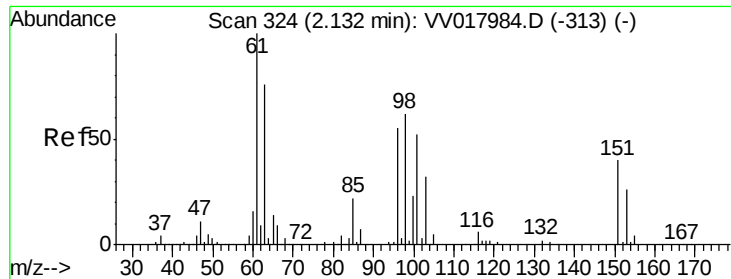
Ion 151.00 (150.70 to 151.70): VV017988.D (-311) (-)

2.12

2.16



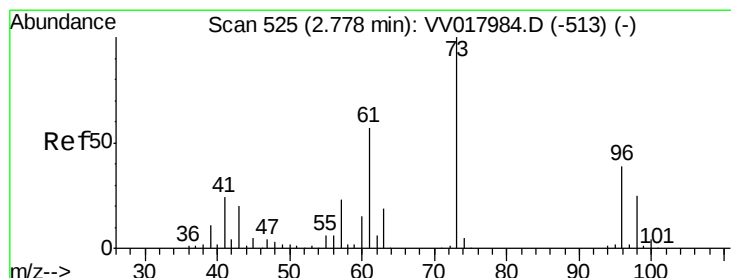
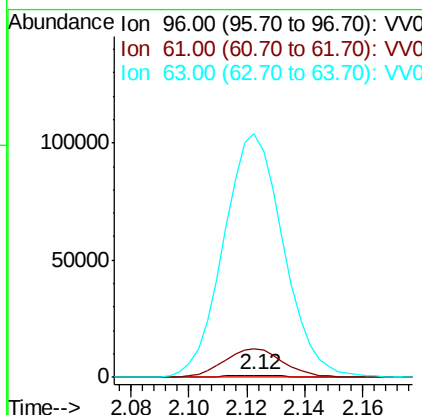
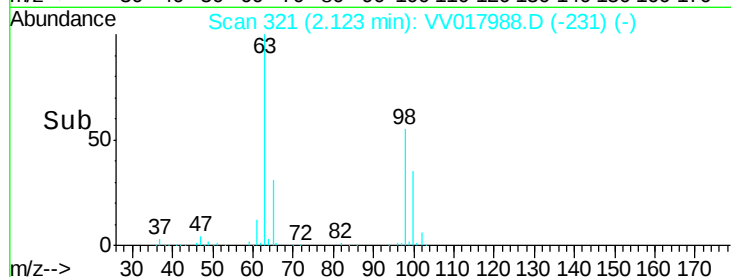
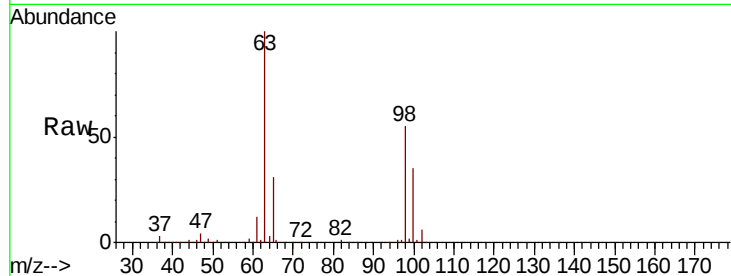
Time-->



#12
 1,1-Dichloroethene
 Concen: 0.728 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VV017988.D
 Acq: 14 Aug 2020 11:32

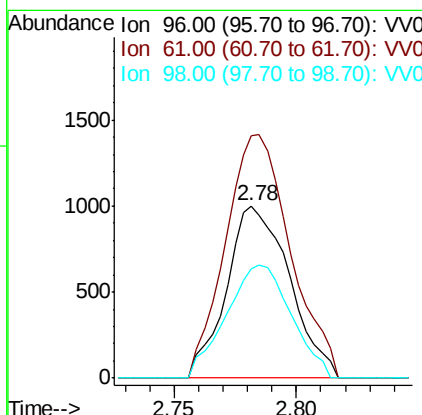
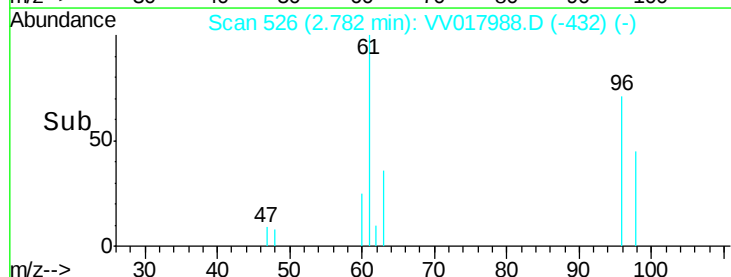
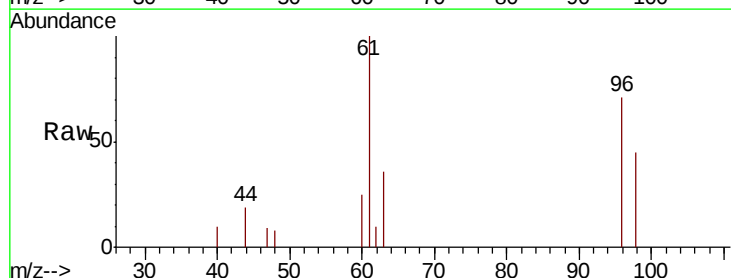
Instrument :
 MSVOA_V
 ClientSampled :
 F2M14DL

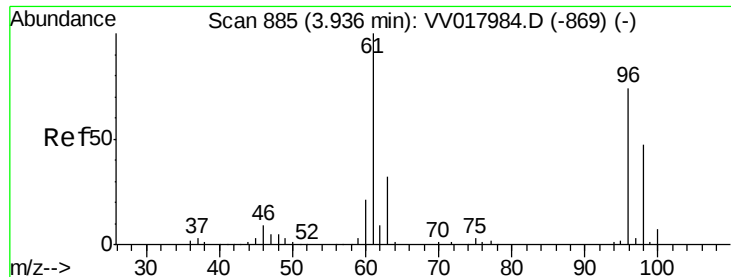
Tot Ion: 96 Resp: 1268
 Ion Ratio Lower Upper
 96 100
 61 1391.6 127.1 236.0#
 63 11818.0 95.2 176.8#



#17
 trans-1,2-Dichloroethene
 Concen: 1.001 ug/L
 RT: 2.78 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VV017988.D
 Acq: 14 Aug 2020 11:32

Tgt Ion: 96 Resp: 1792
 Ion Ratio Lower Upper
 96 100
 61 140.9 102.4 190.2
 98 63.7 44.4 82.5

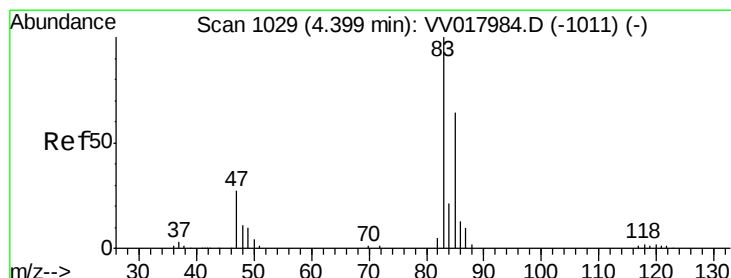
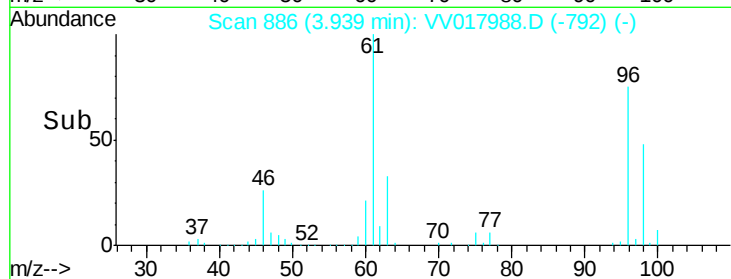
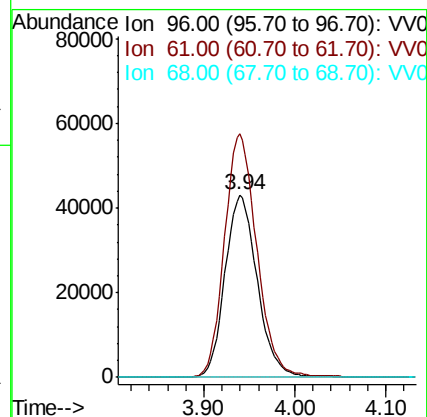
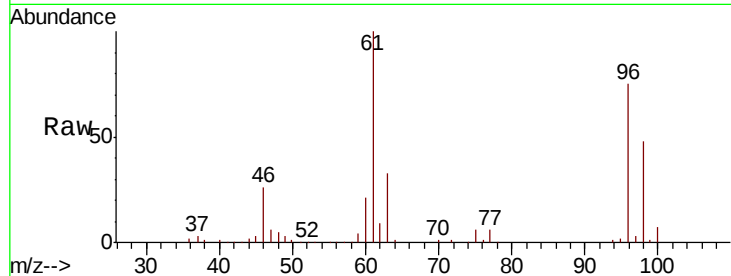




#20
 cis-1,2-Dichloroethene
 Concen: 53.971 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017988.D
 Acq: 14 Aug 2020 11:32

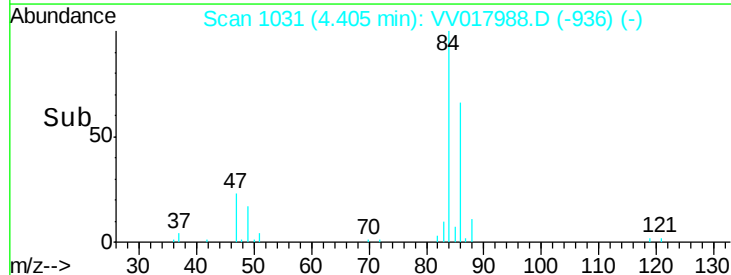
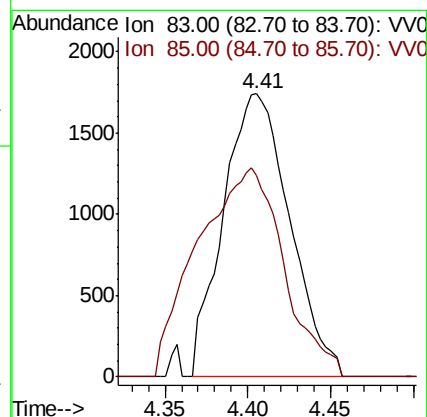
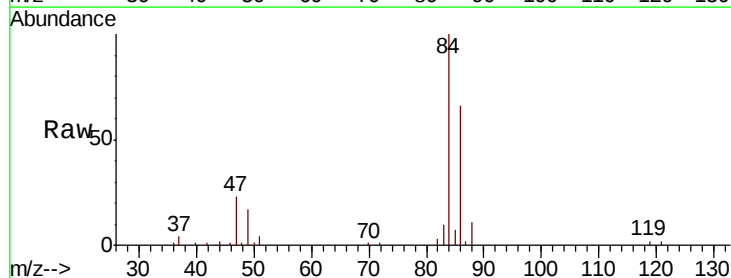
Instrument :
 MSVOA_V
 ClientSampleId :
 F2M14DL

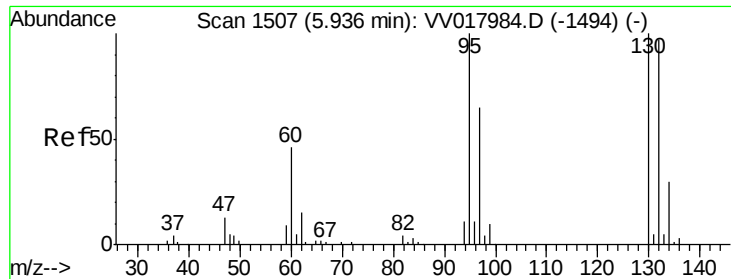
Tot Ion: 96 Resp: 106160
 Ion Ratio Lower Upper
 96 100
 61 133.7 95.0 176.4
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 1.322 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VV017988.D
 Acq: 14 Aug 2020 11:32

Tgt Ion: 83 Resp: 4854
 Ion Ratio Lower Upper
 83 100
 85 71.0 45.5 84.5

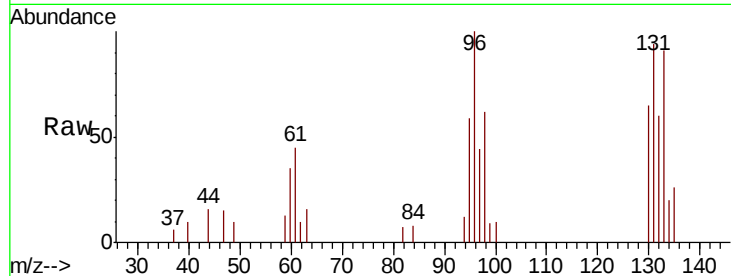




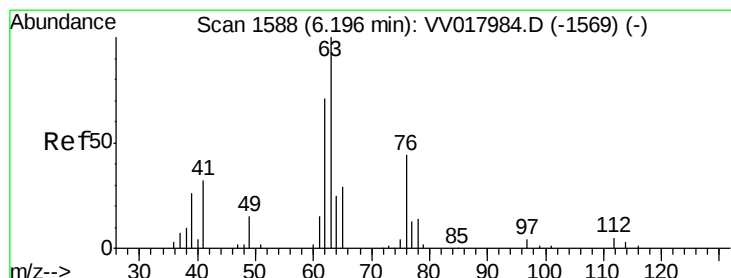
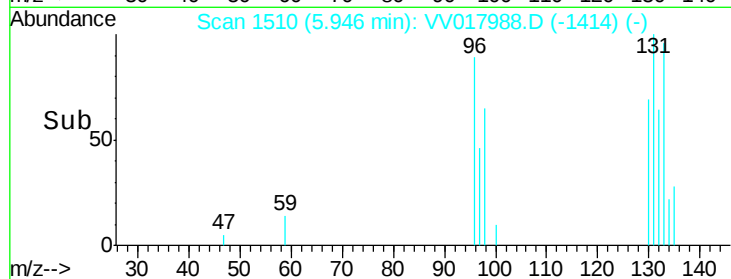
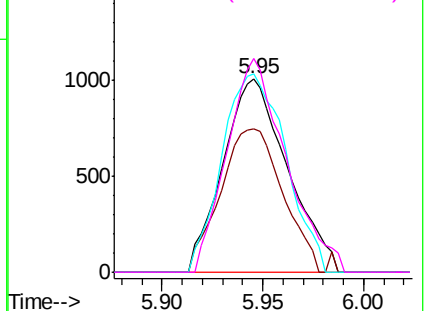
#34
 Trichloroethene
 Concen: 1.083 ug/L
 RT: 5.95 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VV017988.D
 Acq: 14 Aug 2020 11:32

Instrument :
 MSVOA_V
 ClientSampleId :
 F2M14DL

Tot Ion: 95 Resp: 2240
 Ion Ratio Lower Upper
 95 100
 97 73.9 46.0 85.4
 132 102.6 65.8 122.2
 130 110.3 69.2 128.6

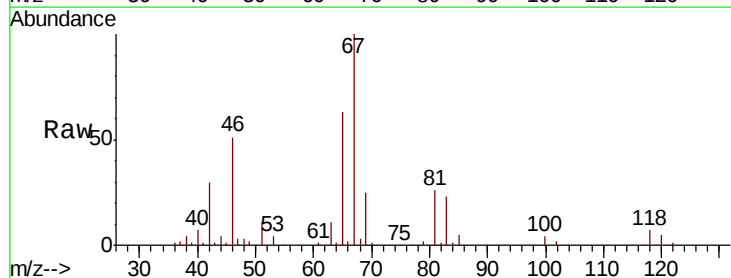


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

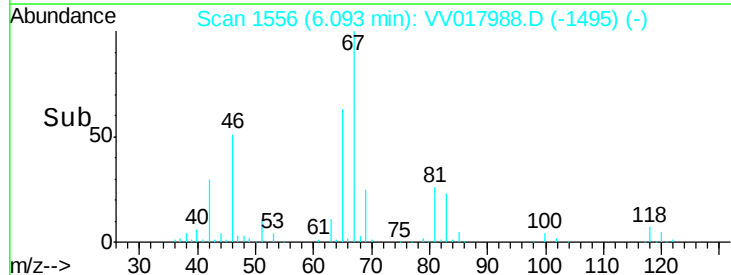
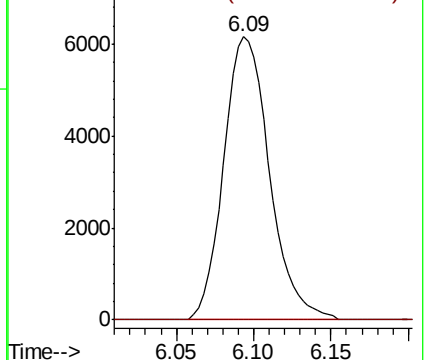


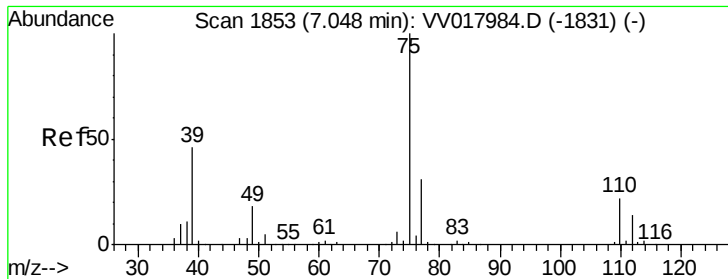
#37
 1,2-Dichloropropane
 Concen: 5.941 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV017988.D
 Acq: 14 Aug 2020 11:32

Tgt Ion: 63 Resp: 12673
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 112.00 (111.70 to 112.70): VV0

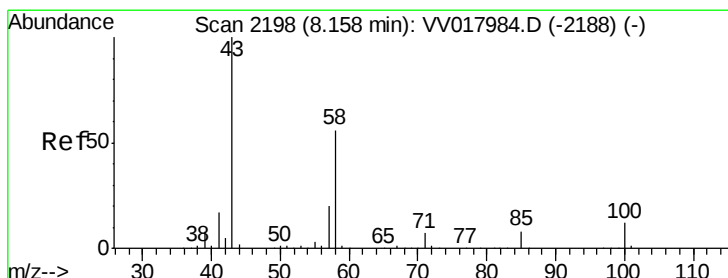
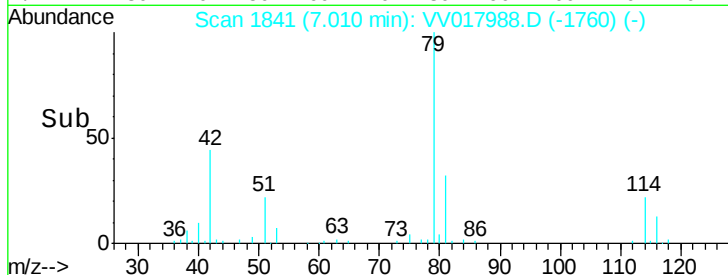
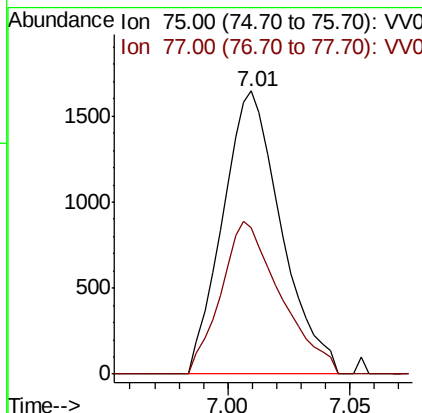
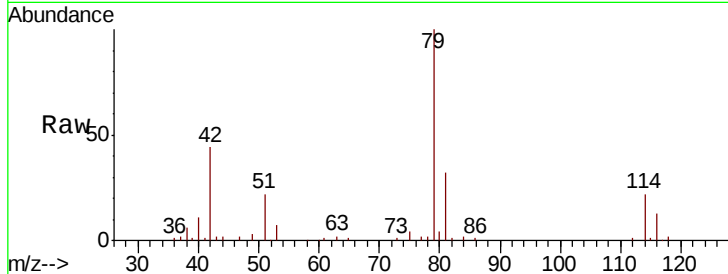




#39
 cis-1,3-Dichloropropene
 Concen: 0.906 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017988.D
 Acq: 14 Aug 2020 11:32

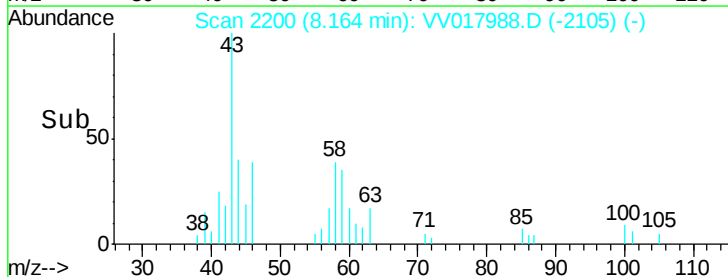
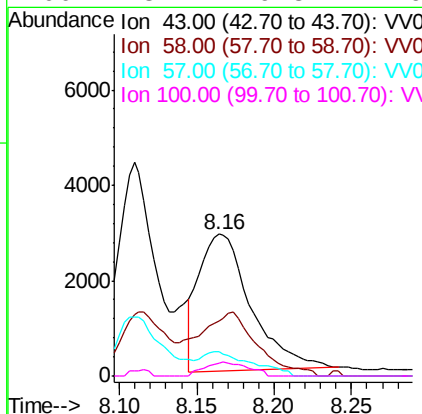
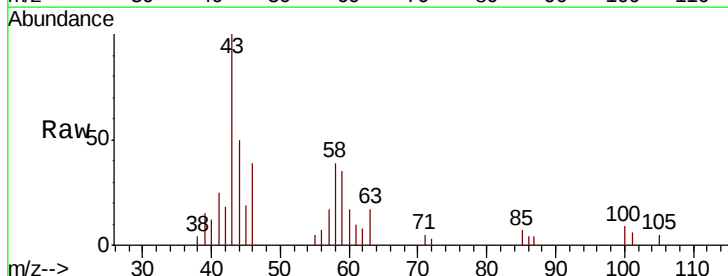
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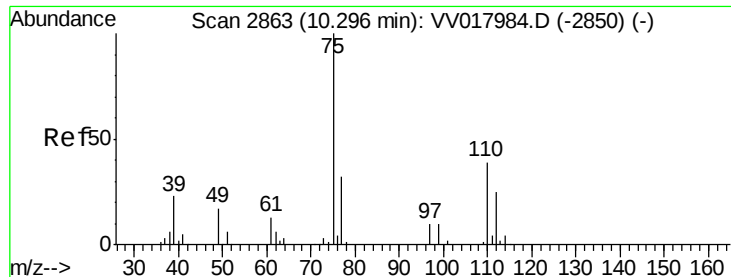
Tot Ion: 75 Resp: 2741
 Ion Ratio Lower Upper
 75 100
 77 51.6 22.3 41.5#



#48
 2-Hexanone
 Concen: 2.985 ug/L
 RT: 8.16 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: VV017988.D
 Acq: 14 Aug 2020 11:32

Tgt Ion: 43 Resp: 6713
 Ion Ratio Lower Upper
 43 100
 58 43.8 44.4 66.6#
 57 17.1 15.2 22.8
 100 8.4 9.8 14.6#





#59

1,2,3-Trichloropropane

Concen: 5.594 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV017988.D

Acq: 14 Aug 2020 11:32

Instrument :

MSVOA_V

ClientSampleId :

F2M14DL

Tot Ion: 75 Resp: 14738

Ion Ratio Lower Upper

75 100

77 35.3 25.7 38.5

