

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\
 Data File : VV017059.D
 Acq On : 23 Jun 2020 17:21
 Operator : SY/MD
 Sample : L3067-15DL2 100X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXH2DL2

Quant Time: Jun 24 05:06:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 24 05:01:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	176667	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	171987	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	80180	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42507	4.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.20%
7) Chloroethane-d5	1.58	69	33908	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	2.12	63	66488	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	3.93	46	128549	47.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.14%
24) Chloroform-d	4.38	84	96240	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.06	65	58314	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.07	84	202285	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.10	67	60874	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.34	98	182408	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
45) trans-1,3-Dichloropropene-	7.64	79	22458	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
48) 2-Hexanone-d5	8.11	63	77632	36.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.24%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	40440	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	74203	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

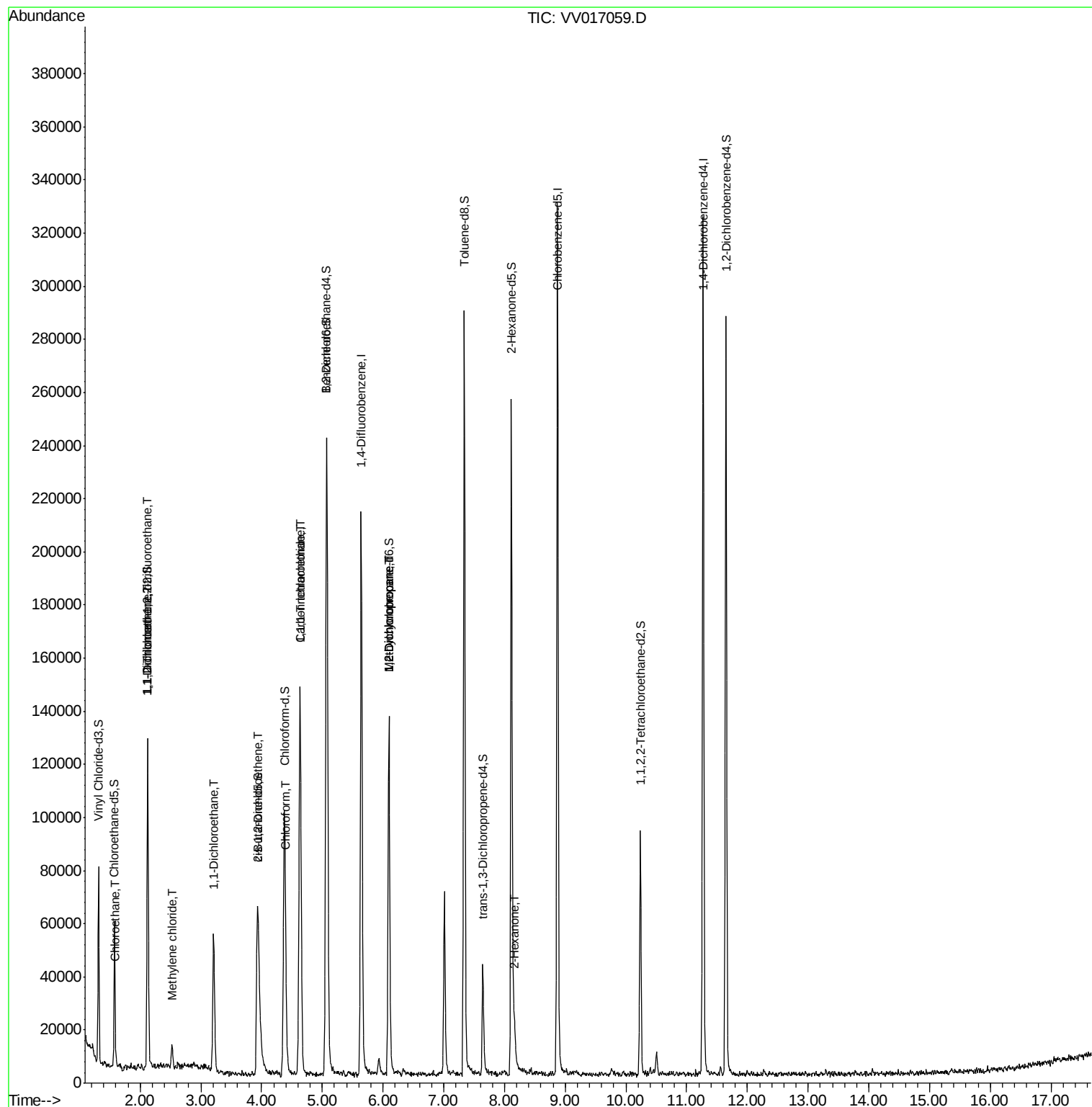
					Ovalue
8) Chloroethane	1.60	64	1433	0.224 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	717	0.077 ug/L #	25
12) 1,1-Dichloroethene	2.14	96	3082	0.363 ug/L #	1
16) Methylene chloride	2.52	84	3123	0.344 ug/L	93
19) 1,1-Dichloroethane	3.21	63	50690	2.511 ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	1853	0.151 ug/L	91
25) Chloroform	4.40	83	10900	0.494 ug/L	92
29) 1,1,1-Trichloroethane	4.63	97	118659	5.759 ug/L	99
31) Carbon tetrachloride	4.63	117	14152	0.761 ug/L	99
35) Methylcyclohexane	6.09	83	15463	0.754 ug/L #	19
37) 1,2-Dichloropropane	6.09	63	7699	0.691 ug/L #	84
50) 2-Hexanone	8.17	43	9817	2.143 ug/L #	88

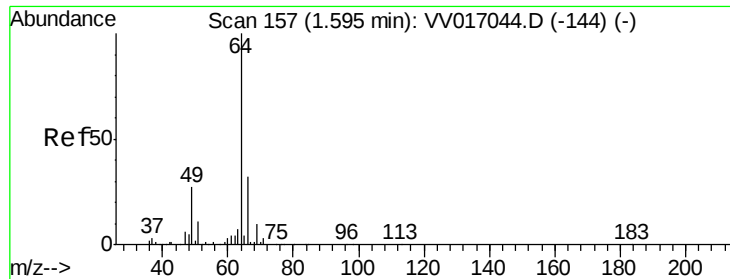
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.224 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV017059.D

Acq: 23 Jun 2020 17:21

Instrument :

MSVOA_V

ClientSampleId :

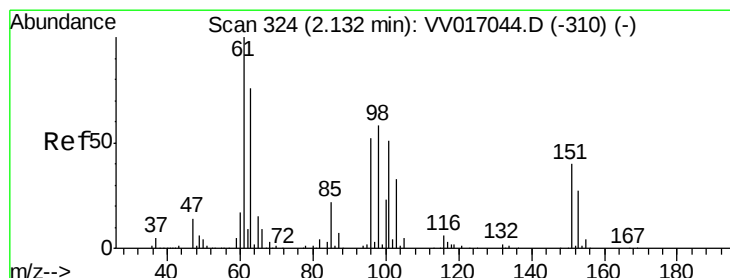
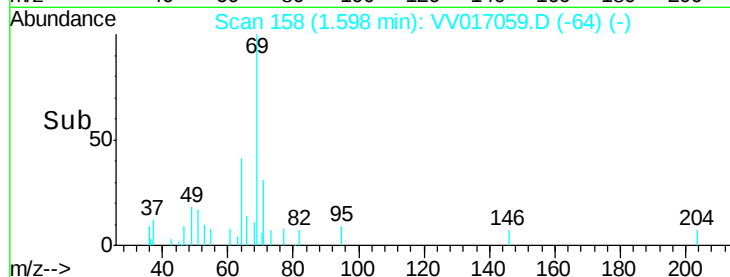
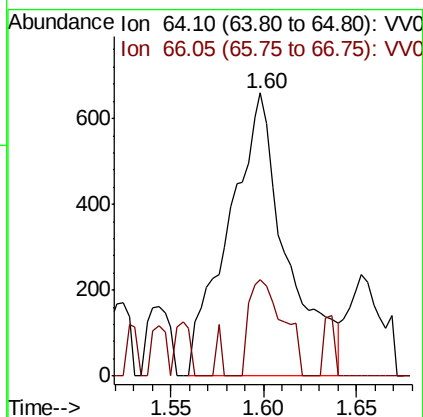
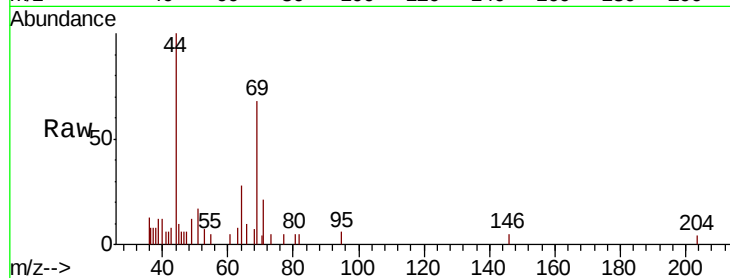
BFXH2DL2

Tot Ion: 64 Resp: 1433

Ion Ratio Lower Upper

64 100

66 34.1 22.8 42.4



#10

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

Concen: 0.077 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017059.D

Acq: 23 Jun 2020 17:21

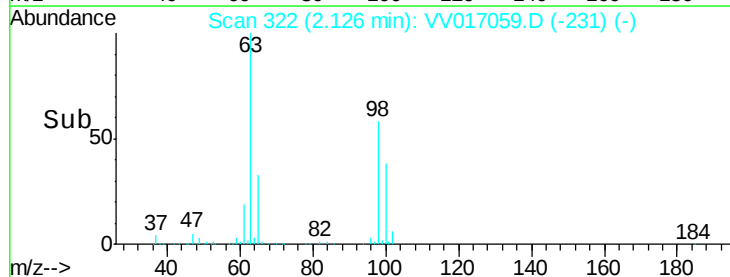
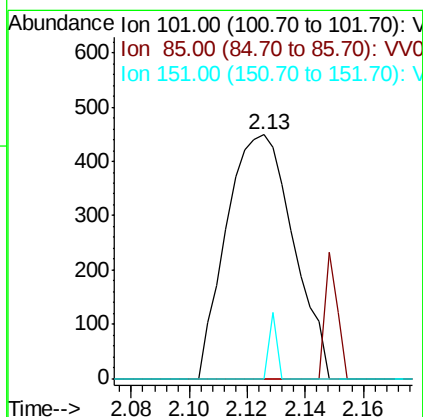
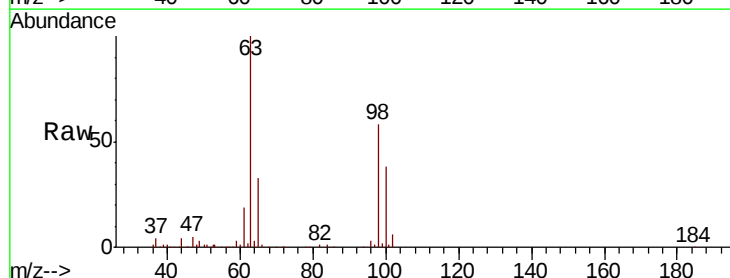
Tgt Ion:101 Resp: 717

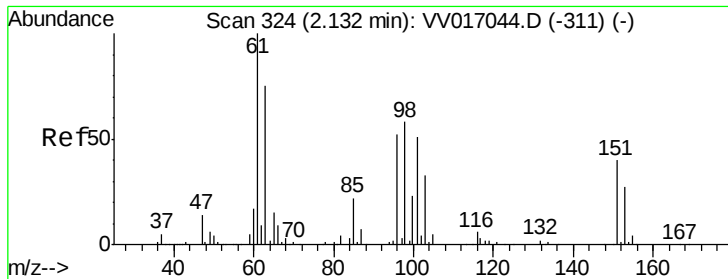
Ion Ratio Lower Upper

101 100

85 9.6 35.4 53.2#

151 3.2 63.9 95.9#





#12

1,1-Dichloroethene

Concen: 0.363 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017059.D

Acq: 23 Jun 2020 17:21

Instrument :

MSVOA_V

ClientSampled :

BFXH2DL2

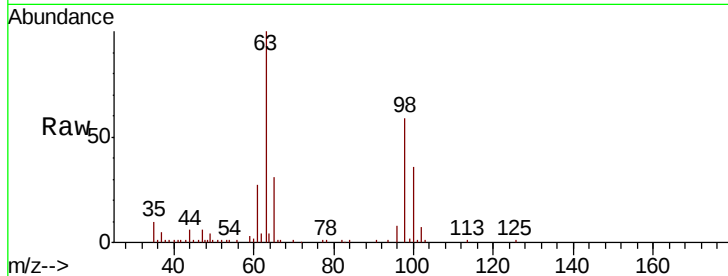
Tot Ion: 96 Resp: 3082

Ion Ratio Lower Upper

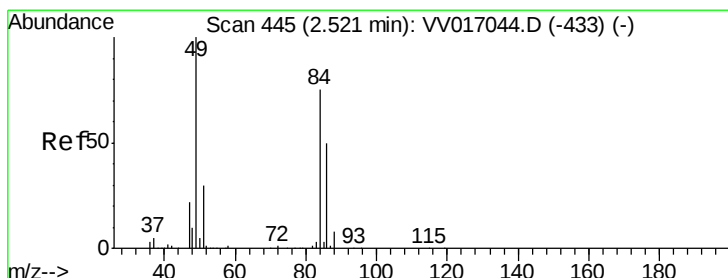
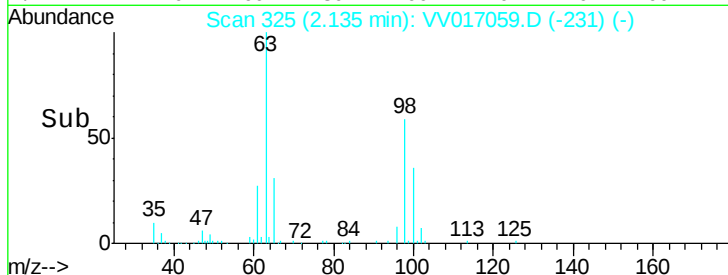
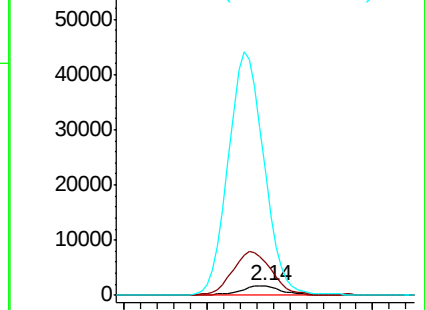
96 100

61 342.6 125.0 232.2#

63 1257.7 109.8 203.8#



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 63.00 (62.70 to 63.70): VV0



#16

Methylene chloride

Concen: 0.344 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017059.D

Acq: 23 Jun 2020 17:21

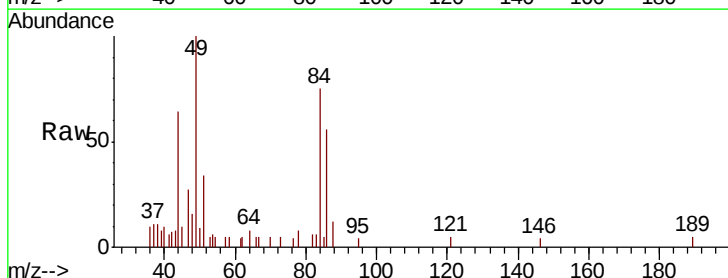
Tgt Ion: 84 Resp: 3123

Ion Ratio Lower Upper

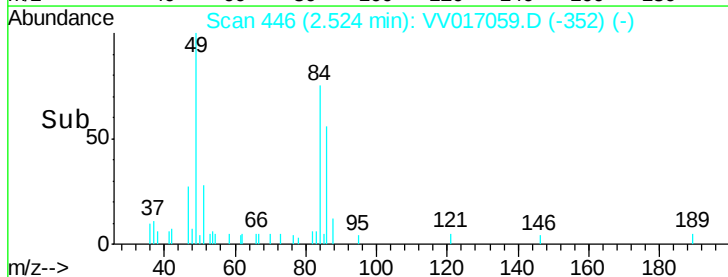
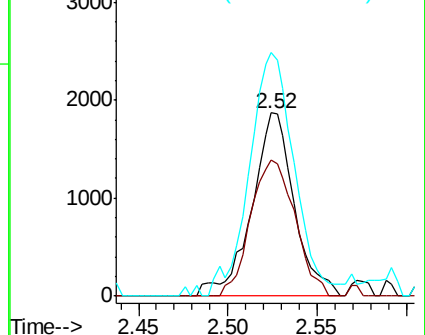
84 100

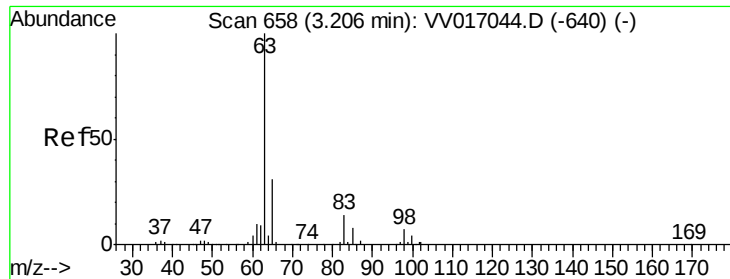
86 74.2 45.8 85.0

49 133.0 89.6 166.4



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0





#19

1,1-Dichloroethane

Concen: 2.511 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.01 min

Lab File: VV017059.D

Acq: 23 Jun 2020 17:21

Instrument :

MSVOA_V

ClientSampleId :

BFXH2DL2

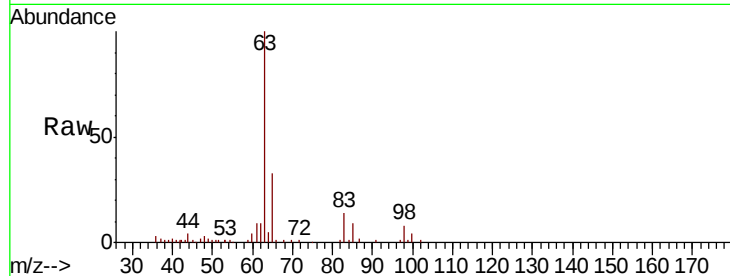
Tot Ion: 63 Resp: 50690

Ion Ratio Lower Upper

63 100

65 32.6 21.8 40.4

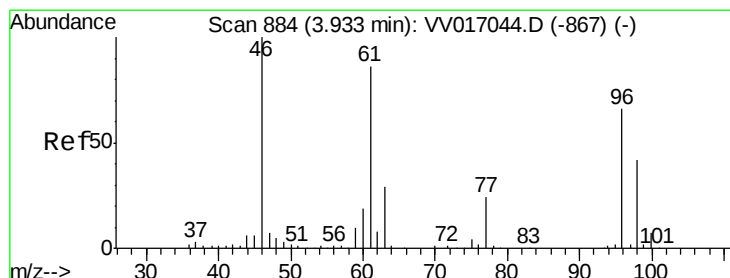
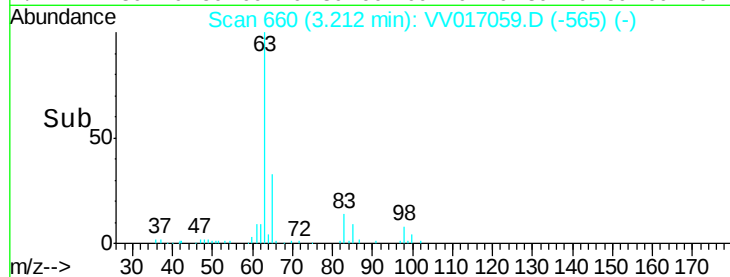
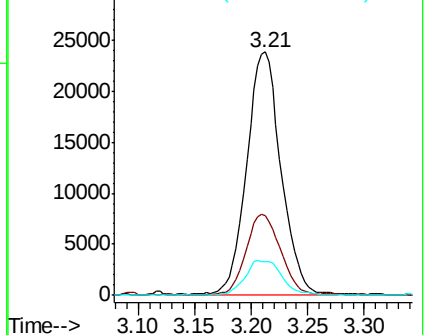
83 13.7 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VV017044.D (-640) (-)

Ion 65.10 (64.80 to 65.80): VV017044.D (-640) (-)

Ion 83.05 (82.75 to 83.75): VV017044.D (-640) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.151 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV017059.D

Acq: 23 Jun 2020 17:21

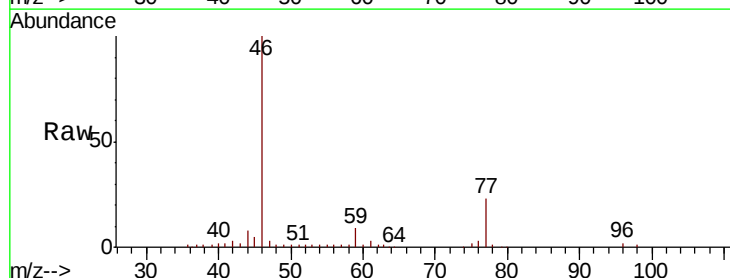
Tgt Ion: 96 Resp: 1853

Ion Ratio Lower Upper

96 100

61 119.6 91.0 169.0

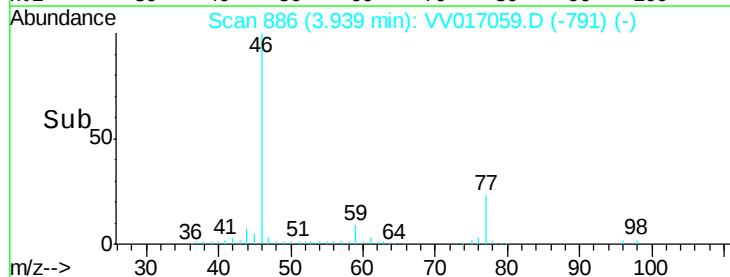
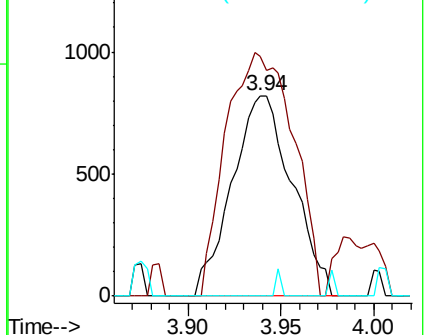
68 0.0 0.0 0.0

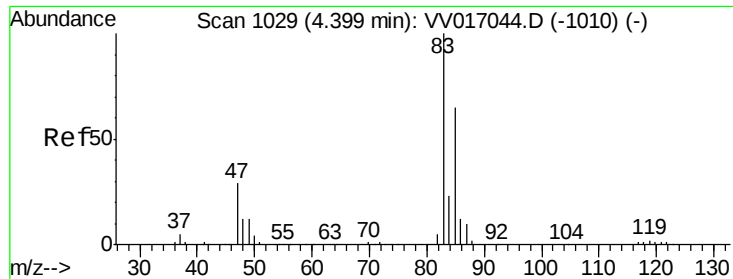


Abundance Ion 96.00 (95.70 to 96.70): VV017044.D (-867) (-)

Ion 61.05 (60.75 to 61.75): VV017044.D (-867) (-)

Ion 68.15 (67.85 to 68.85): VV017044.D (-867) (-)

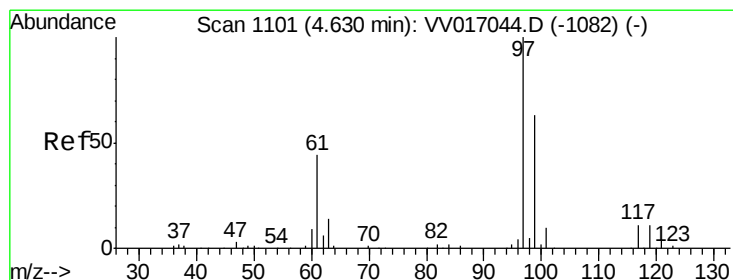
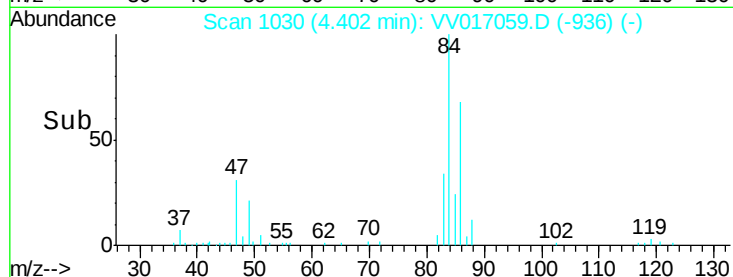
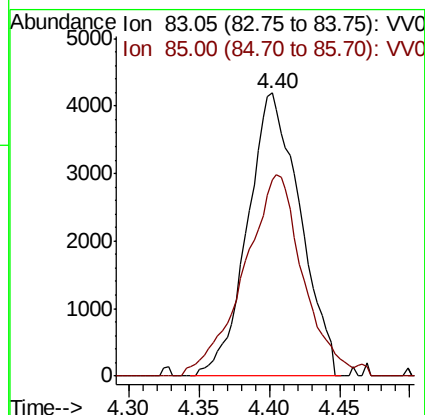
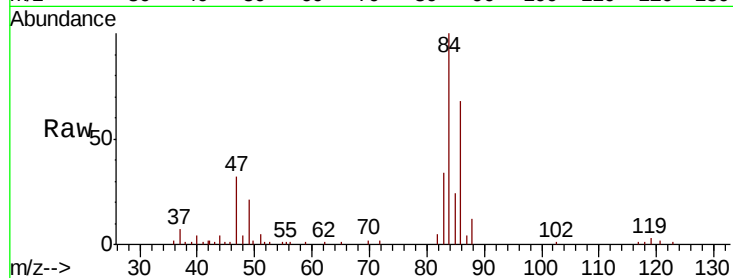




#25
Chloroform
Concen: 0.494 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017059.D
Acq: 23 Jun 2020 17:21

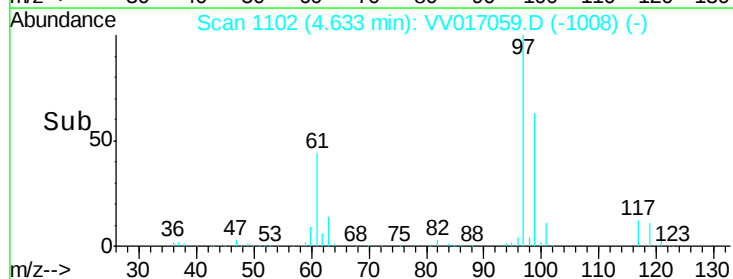
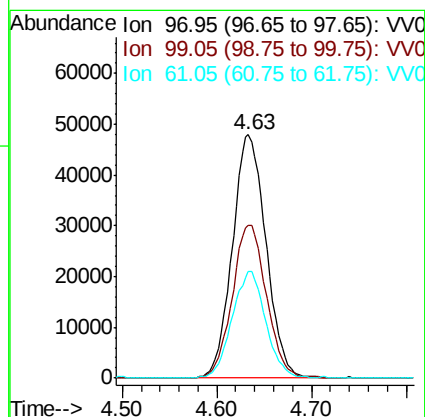
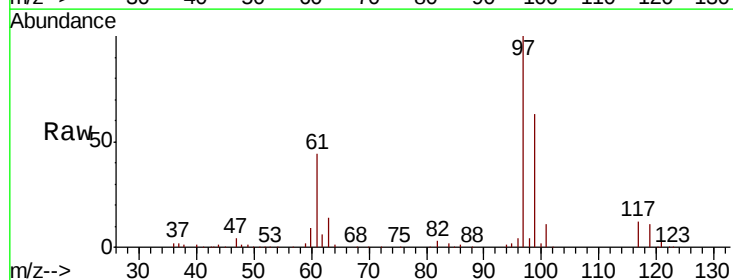
Instrument :
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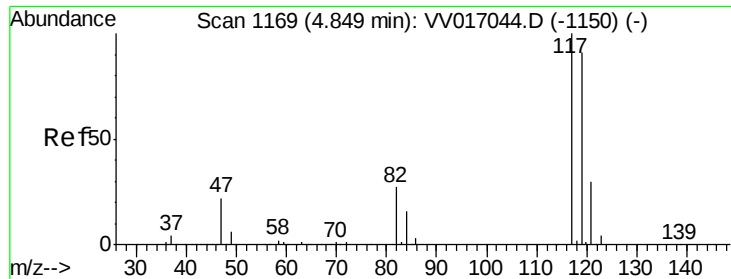
Tot Ion: 83 Resp: 10900
Ion Ratio Lower Upper
83 100
85 69.5 44.2 82.2



#29
1,1,1-Trichloroethane
Concen: 5.759 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV017059.D
Acq: 23 Jun 2020 17:21

Tgt Ion: 97 Resp: 118659
Ion Ratio Lower Upper
97 100
99 63.7 50.3 75.5
61 43.7 36.0 54.0

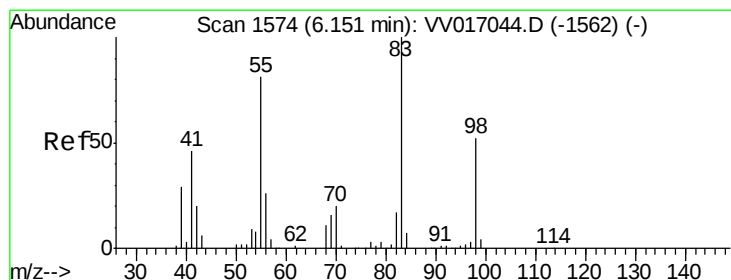
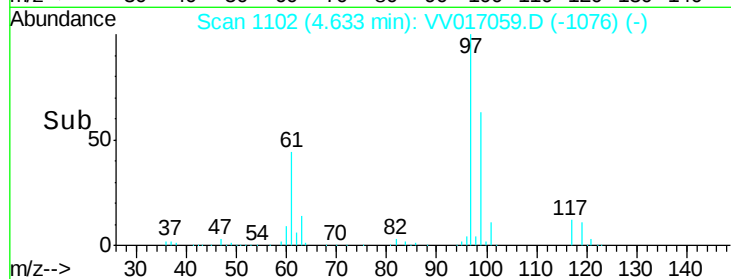
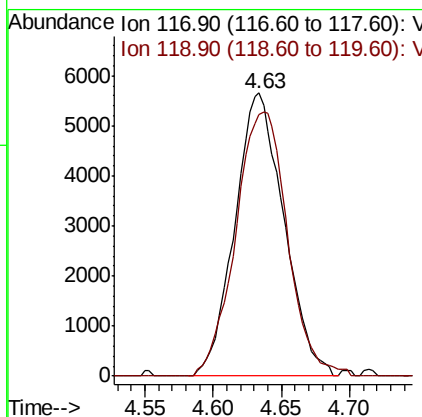
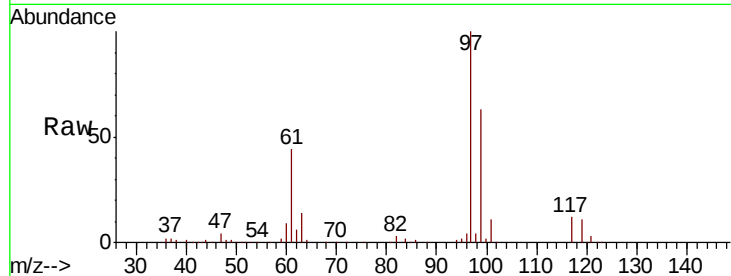




#31
 Carbon tetrachloride
 Concen: 0.761 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.22 min
 Lab File: VV017059.D
 Acq: 23 Jun 2020 17:21

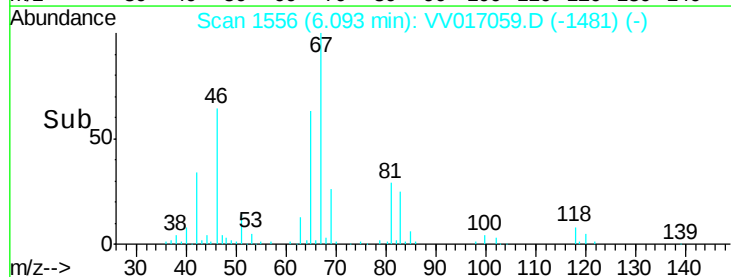
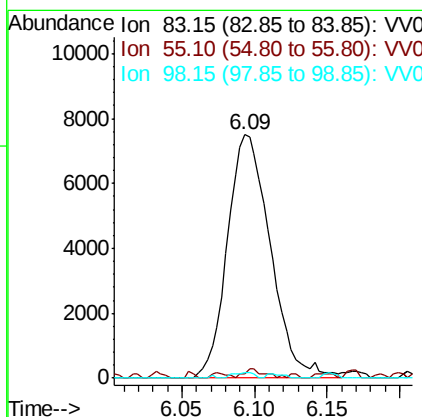
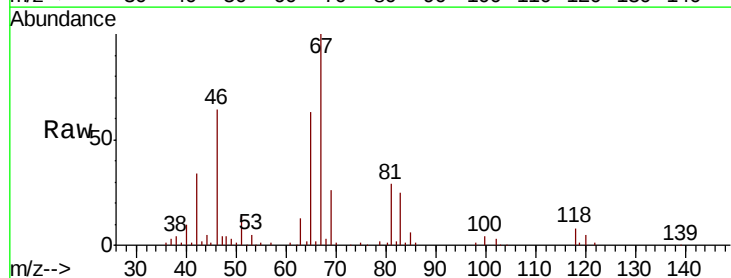
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 MSVOA_V
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 BFXH2DL2

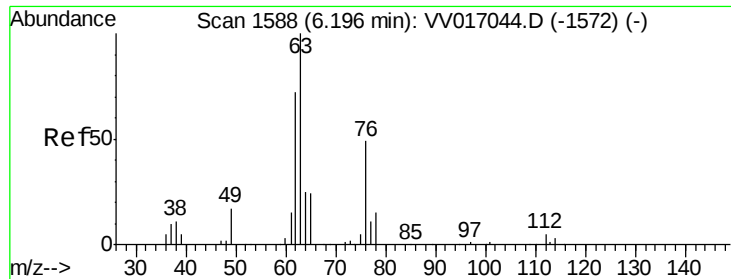
Tot Ion:117 Resp: 14152
 Ion Ratio Lower Upper
 117 100
 119 98.4 77.8 116.8



#35
 Methylcyclohexane
 Concen: 0.754 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.06 min
 Lab File: VV017059.D
 Acq: 23 Jun 2020 17:21

Tgt Ion: 83 Resp: 15463
 Ion Ratio Lower Upper
 83 100
 55 1.8 63.6 95.4#
 98 1.1 38.8 58.2#

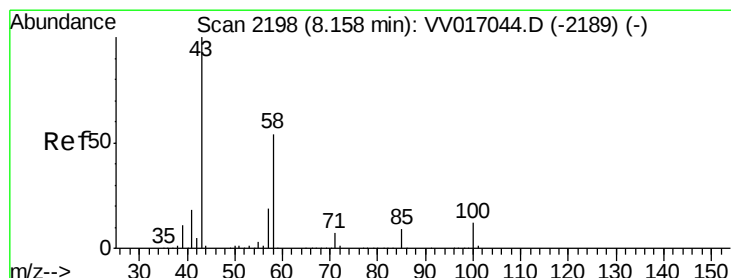
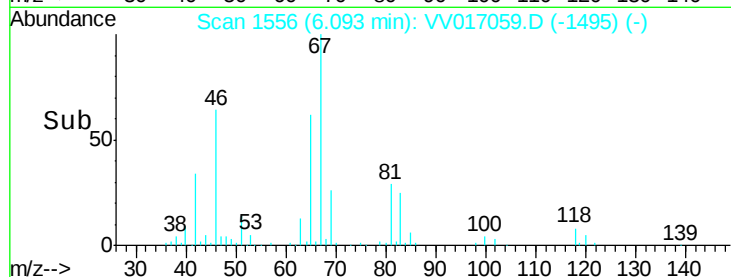
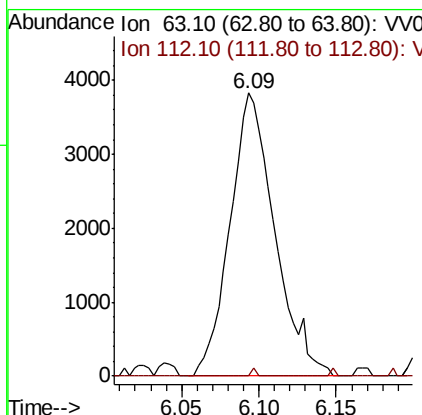
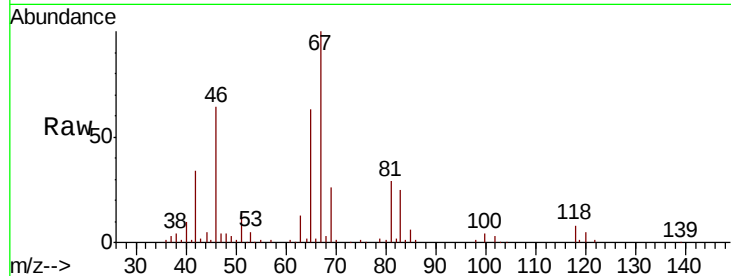




#37
 1,2-Dichloropropane
 Concen: 0.691 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV017059.D
 Acq: 23 Jun 2020 17:21

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXH2DL2

Tot Ion: 63 Resp: 7699
 Ion Ratio Lower Upper
 63 100
 112 0.3 4.4 6.6#



#50
 2-Hexanone
 Concen: 2.143 ug/L
 RT: 8.17 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VV017059.D
 Acq: 23 Jun 2020 17:21

Tgt Ion: 43 Resp: 9817
 Ion Ratio Lower Upper
 43 100
 58 42.5 41.6 62.4
 57 13.9 15.4 23.0#
 100 11.3 10.1 15.1

