

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\
 Data File : VV017052.D
 Acq On : 23 Jun 2020 13:47
 Operator : SY/MD
 Sample : L3067-13DL 40X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXH0DL

Quant Time: Jun 24 05:04:57 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	172805	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	168156	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	81698	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	45553	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.58	69	36205	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.12	63	69364	3.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.20%
20) 2-Butanone-d5	3.93	46	132216	50.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.04%
24) Chloroform-d	4.38	84	100726	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.06	65	59868	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.07	84	211243	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.10	67	62687	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.34	98	191996	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
45) trans-1,3-Dichloropropene-	7.64	79	24227	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
48) 2-Hexanone-d5	8.11	63	81069	39.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.24%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	42155	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	75752	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

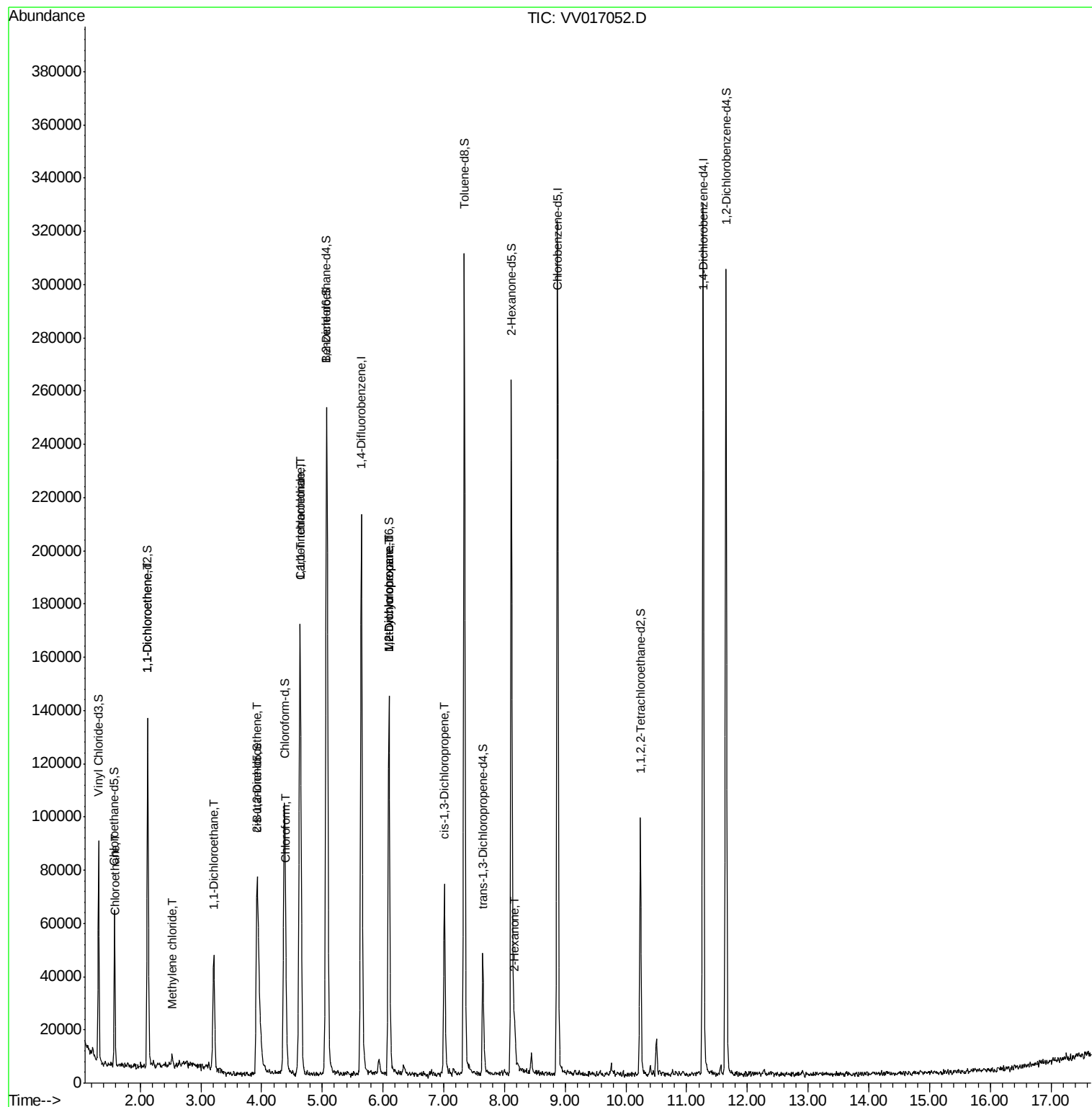
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.60	64	668	0.107	ug/L	96
12) 1,1-Dichloroethene	2.13	96	2895	0.349	ug/L #	1
16) Methylene chloride	2.53	84	1425	0.160	ug/L	88
19) 1,1-Dichloroethane	3.21	63	43002	2.178	ug/L	96
22) cis-1,2-Dichloroethene	3.93	96	1370	0.114	ug/L #	85
25) Chloroform	4.41	83	12483	0.579	ug/L	95
29) 1,1,1-Trichloroethane	4.63	97	134845	6.693	ug/L	99
31) Carbon tetrachloride	4.63	117	17120	0.942	ug/L	98
35) Methylcyclohexane	6.10	83	16018	0.799	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	8363	0.767	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1972	0.122	ug/L	83
50) 2-Hexanone	8.17	43	9980	2.228	ug/L #	83

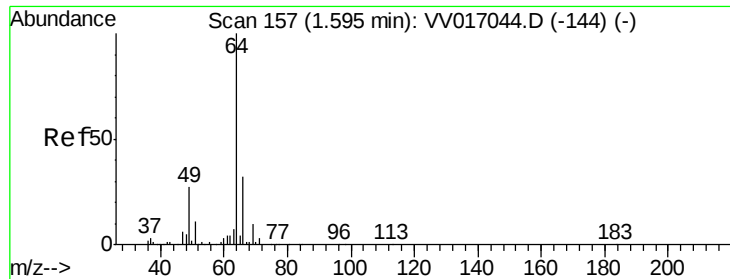
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.107 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV017052.D

Acq: 23 Jun 2020 13:47

Instrument :

MSVOA_V

ClientSampleId :

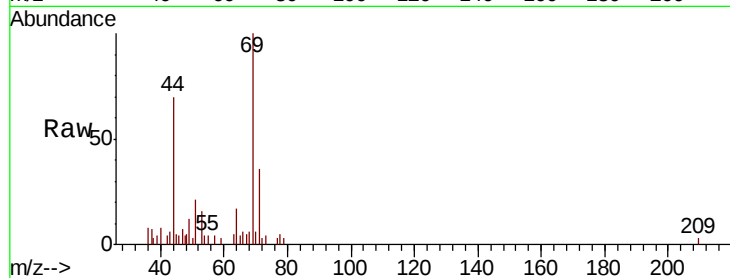
BFXH0DL

Tot Ion: 64 Resp: 668

Ion Ratio Lower Upper

64 100

66 34.6 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.60

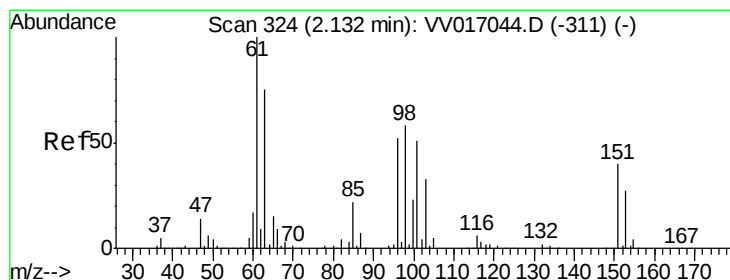
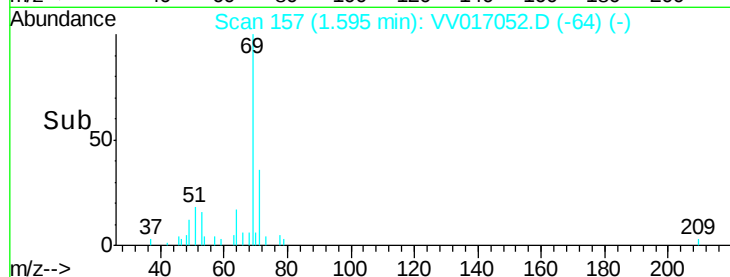
600

400

200

0

Time--> 1.54 1.56 1.58 1.60 1.62



#12

1,1-Dichloroethene

Concen: 0.349 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017052.D

Acq: 23 Jun 2020 13:47

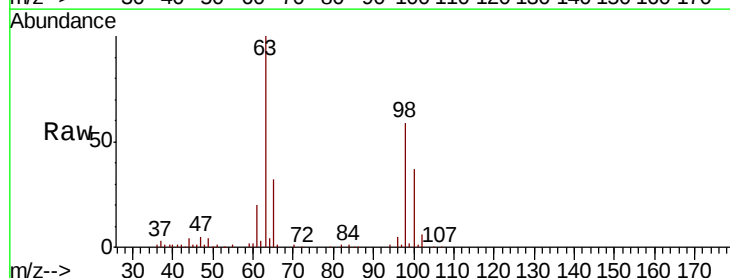
Tgt Ion: 96 Resp: 2895

Ion Ratio Lower Upper

96 100

61 382.5 125.0 232.2#

63 1911.8 109.8 203.8#



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

60000

50000

40000

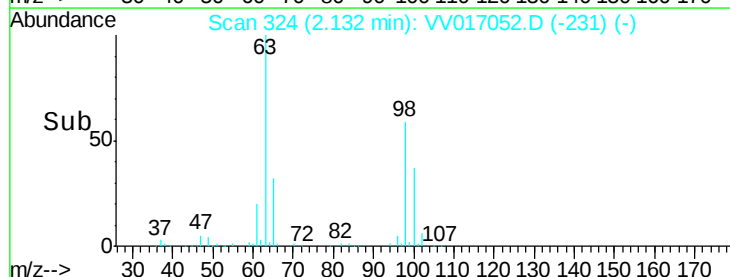
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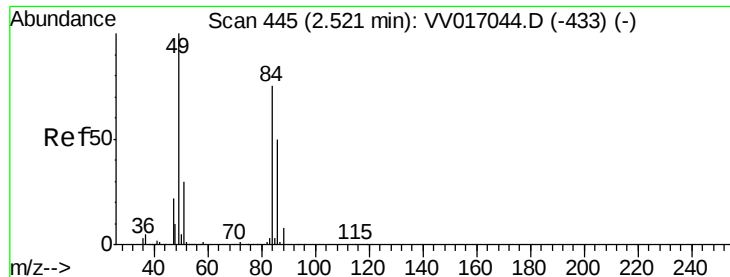
20000

10000

0

Time--> 2.10 2.15

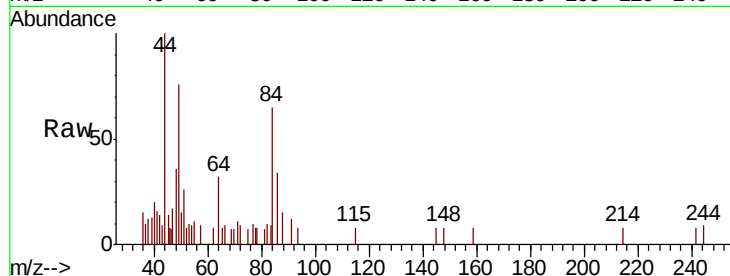




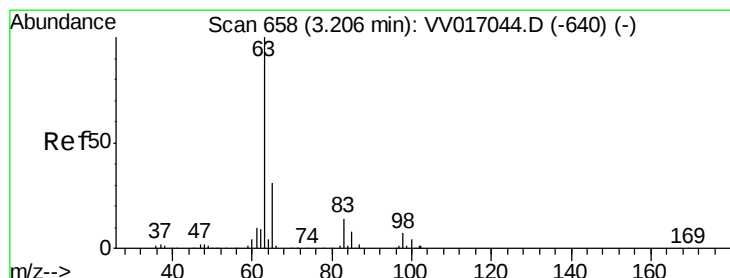
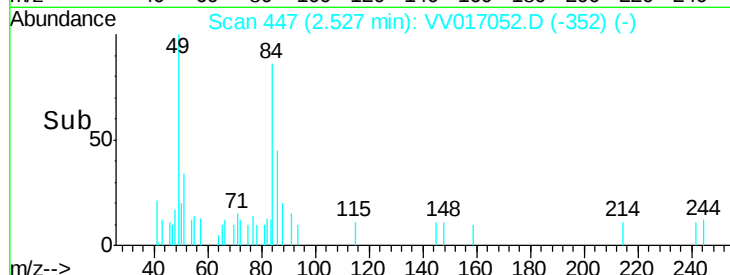
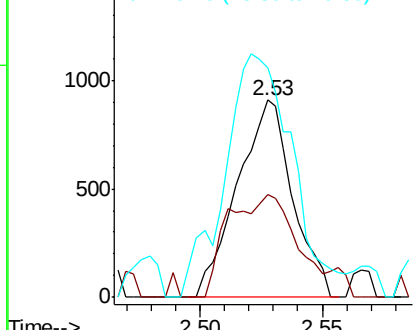
#16
Methvlene chloride
Concen: 0.160 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.01 min
Lab File: VV017052.D
Acq: 23 Jun 2020 13:47

Instrument :
MSVOA_V
ClientSampleId :
BFXH0DL

Tot Ion: 84 Resp: 1425
Ion Ratio Lower Upper
84 100
86 52.2 45.8 85.0
49 116.4 89.6 166.4

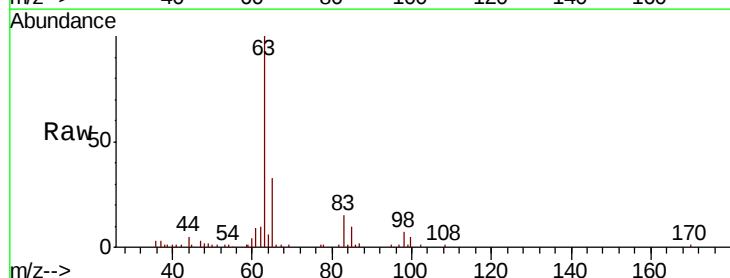


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

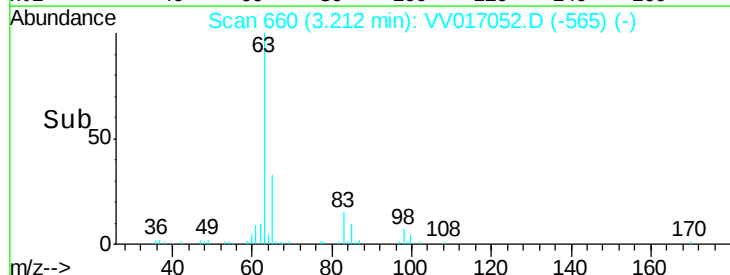
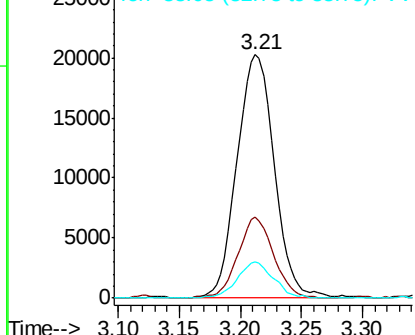


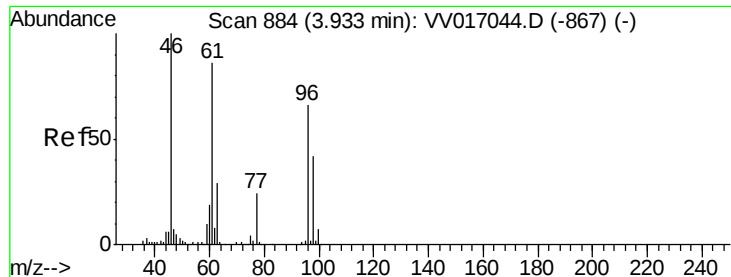
#19
1,1-Dichloroethane
Concen: 2.178 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.01 min
Lab File: VV017052.D
Acq: 23 Jun 2020 13:47

Tgt Ion: 63 Resp: 43002
Ion Ratio Lower Upper
63 100
65 33.3 21.8 40.4
83 14.7 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



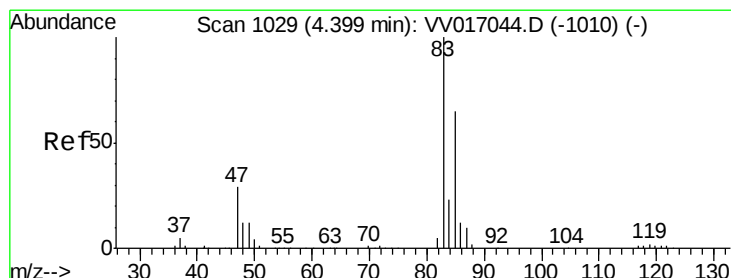
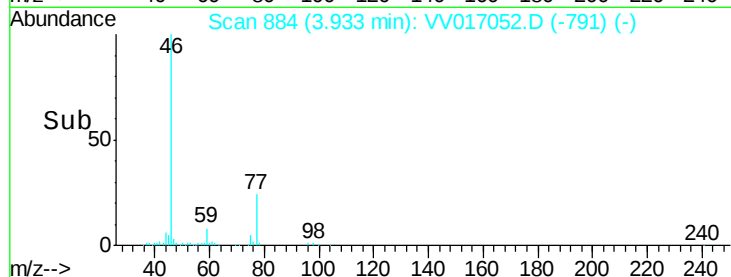
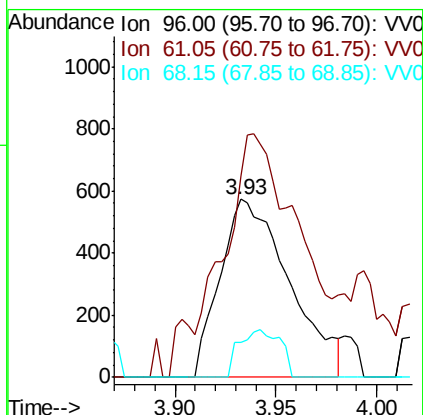
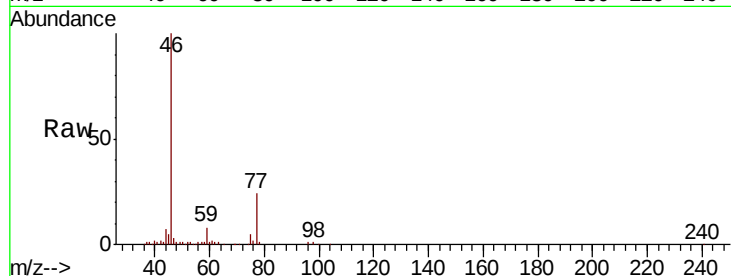


#22

cis-1,2-Dichloroethene
Concen: 0.114 ug/L
RT: 3.93 min Scan# 884
Delta R.T. -0.00 min
Lab File: VV017052.D
Acq: 23 Jun 2020 13:47

Instrument :
MSVOA_V
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BFXH0DL

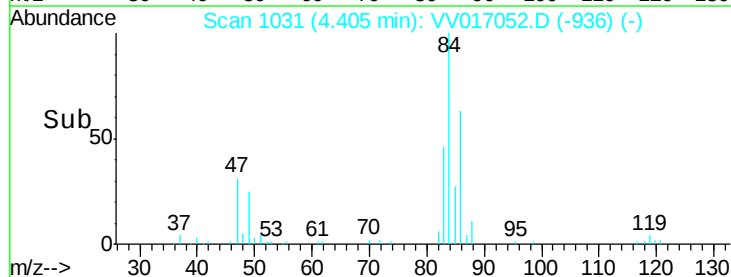
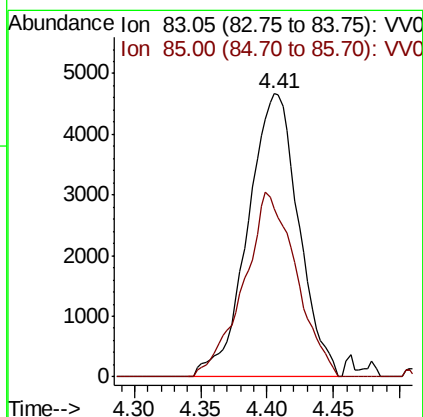
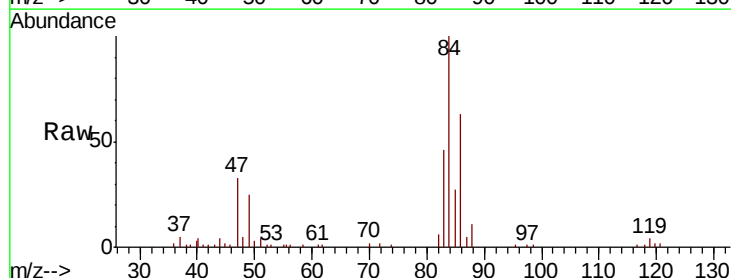
Tot Ion: 96 Resp: 1370
Ion Ratio Lower Upper
96 100
61 112.7 91.0 169.0
68 19.3 0.0 0.0#

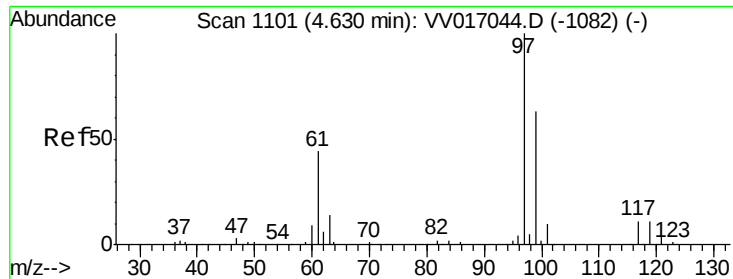


#25

Chloroform
Concen: 0.579 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV017052.D
Acq: 23 Jun 2020 13:47

Tgt Ion: 83 Resp: 12483
Ion Ratio Lower Upper
83 100
85 59.5 44.2 82.2

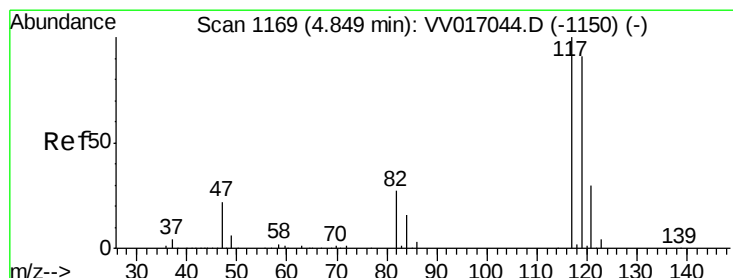
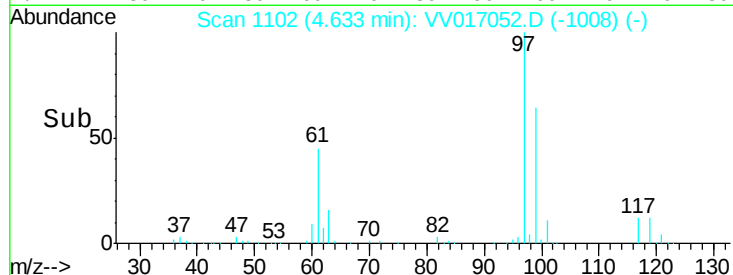
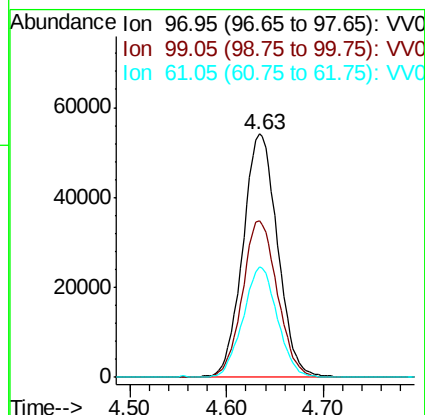
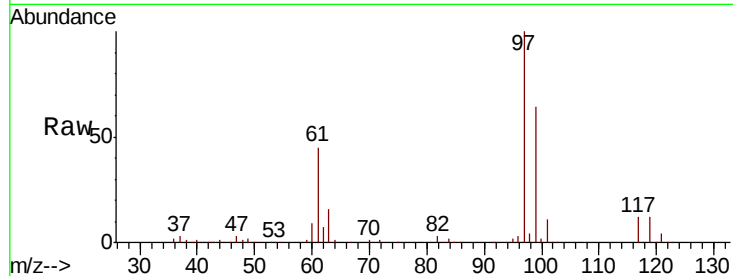




#29
 1,1,1-Trichloroethane
 Concen: 6.693 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV017052.D
 Acq: 23 Jun 2020 13:47

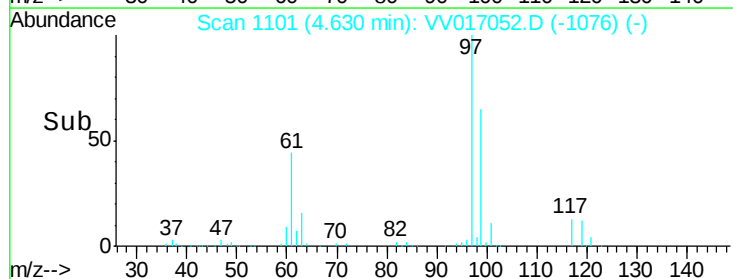
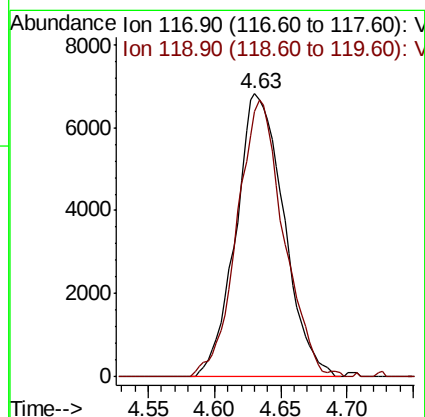
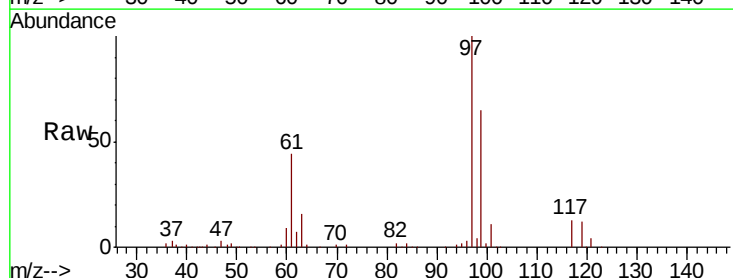
Instrument :
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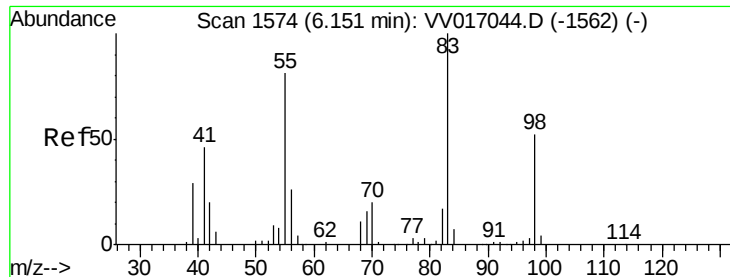
Tot Ion: 97 Resp: 134845
 Ion Ratio Lower Upper
 97 100
 99 64.7 50.3 75.5
 61 44.9 36.0 54.0



#31
 Carbon tetrachloride
 Concen: 0.942 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. -0.22 min
 Lab File: VV017052.D
 Acq: 23 Jun 2020 13:47

Tgt Ion: 117 Resp: 17120
 Ion Ratio Lower Upper
 117 100
 119 95.5 77.8 116.8

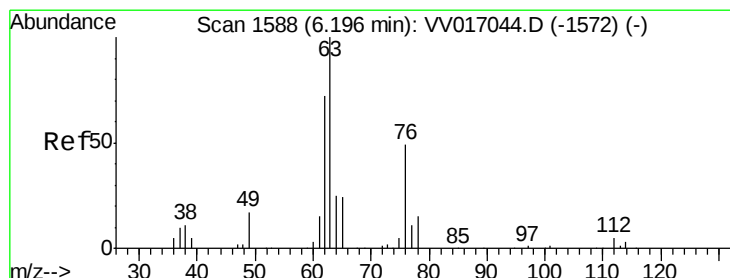
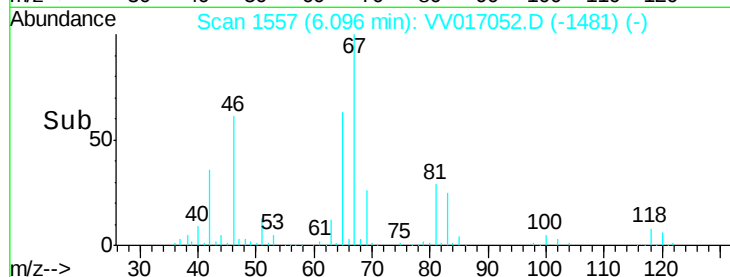
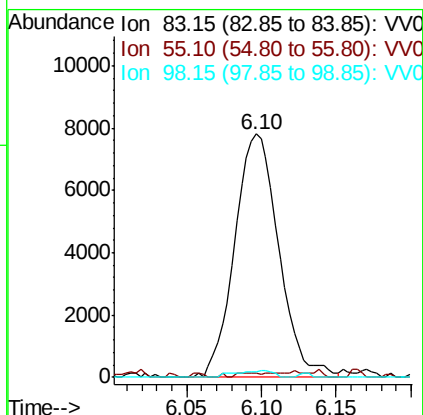
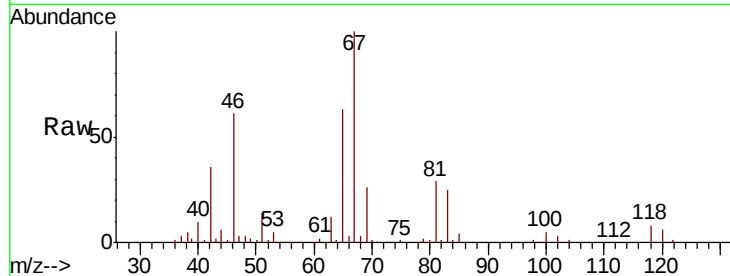




#35
Methvlcvclohexane
Concen: 0.799 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017052.D
Acq: 23 Jun 2020 13:47

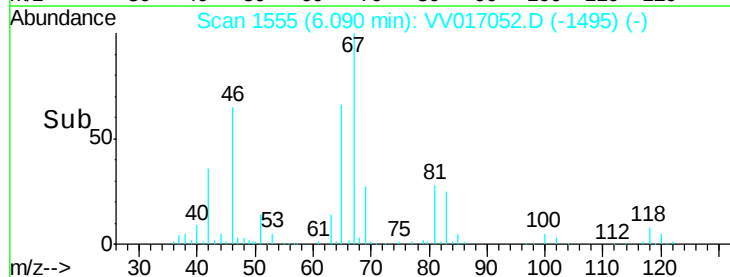
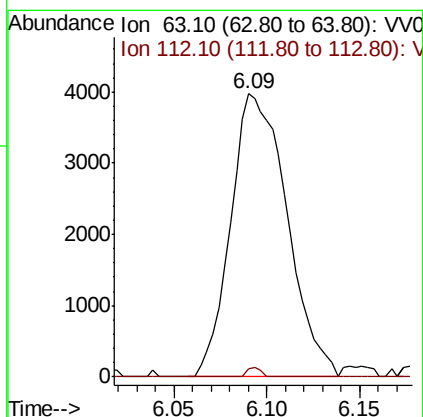
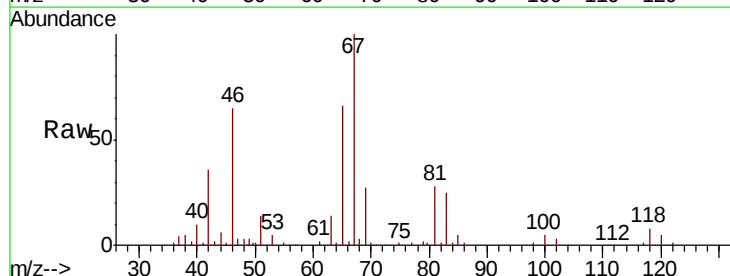
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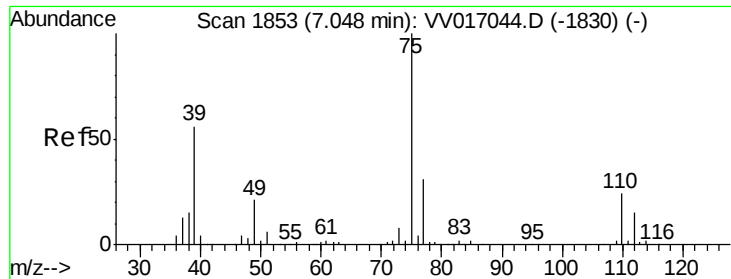
Tot Ion: 83 Resp: 16018
Ion Ratio Lower Upper
83 100
55 0.5 63.6 95.4#
98 1.7 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.767 ug/L
RT: 6.09 min Scan# 1555
Delta R.T. -0.11 min
Lab File: VV017052.D
Acq: 23 Jun 2020 13:47

Tgt Ion: 63 Resp: 8363
Ion Ratio Lower Upper
63 100
112 0.8 4.4 6.6#

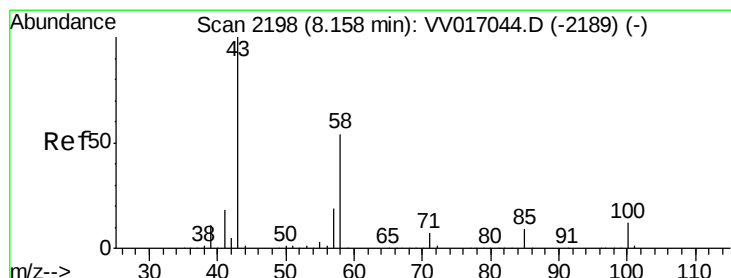
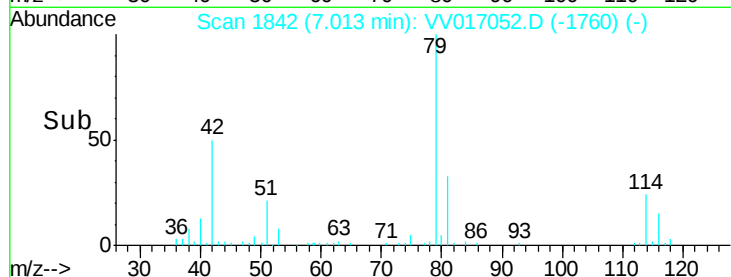
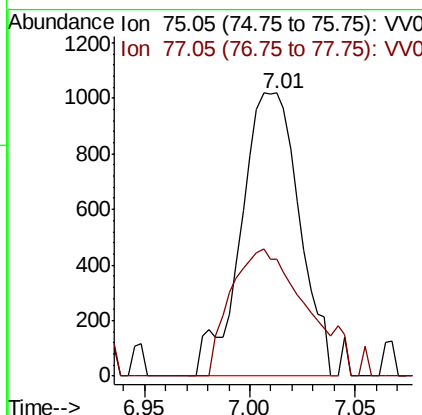
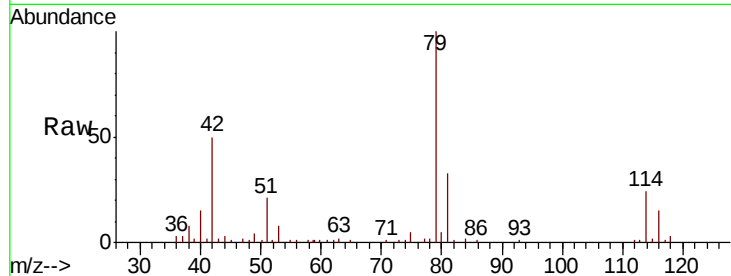




#39
 cis-1,3-Dichloropropene
 Concen: 0.122 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV017052.D
 Acq: 23 Jun 2020 13:47

Instrument :
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Tot Ion: 75 Resp: 1972
 Ion Ratio Lower Upper
 75 100
 77 41.1 22.3 41.5



#50
 2-Hexanone
 Concen: 2.228 ug/L
 RT: 8.17 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VV017052.D
 Acq: 23 Jun 2020 13:47

Tgt Ion: 43 Resp: 9980
 Ion Ratio Lower Upper
 43 100
 58 37.1 41.6 62.4#
 57 18.5 15.4 23.0
 100 4.8 10.1 15.1#

