

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\
 Data File : VV017031.D
 Acq On : 22 Jun 2020 20:57
 Operator : SY/MD
 Sample : L3067-12
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXG9

Quant Time: Jun 23 04:58:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 23 04:53:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	183665	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	176283	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	87864	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	46111	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.58	69	34345	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.12	63	66494	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	3.96	46	134849	48.00	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.00%
24) Chloroform-d	4.38	84	110021	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.06	65	58996	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.07	84	212073	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.09	67	63689	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.34	98	194979	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
45) trans-1,3-Dichloropropene-	7.65	79	24601	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
48) 2-Hexanone-d5	8.11	63	100988	46.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.96%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	46397	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	80198	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

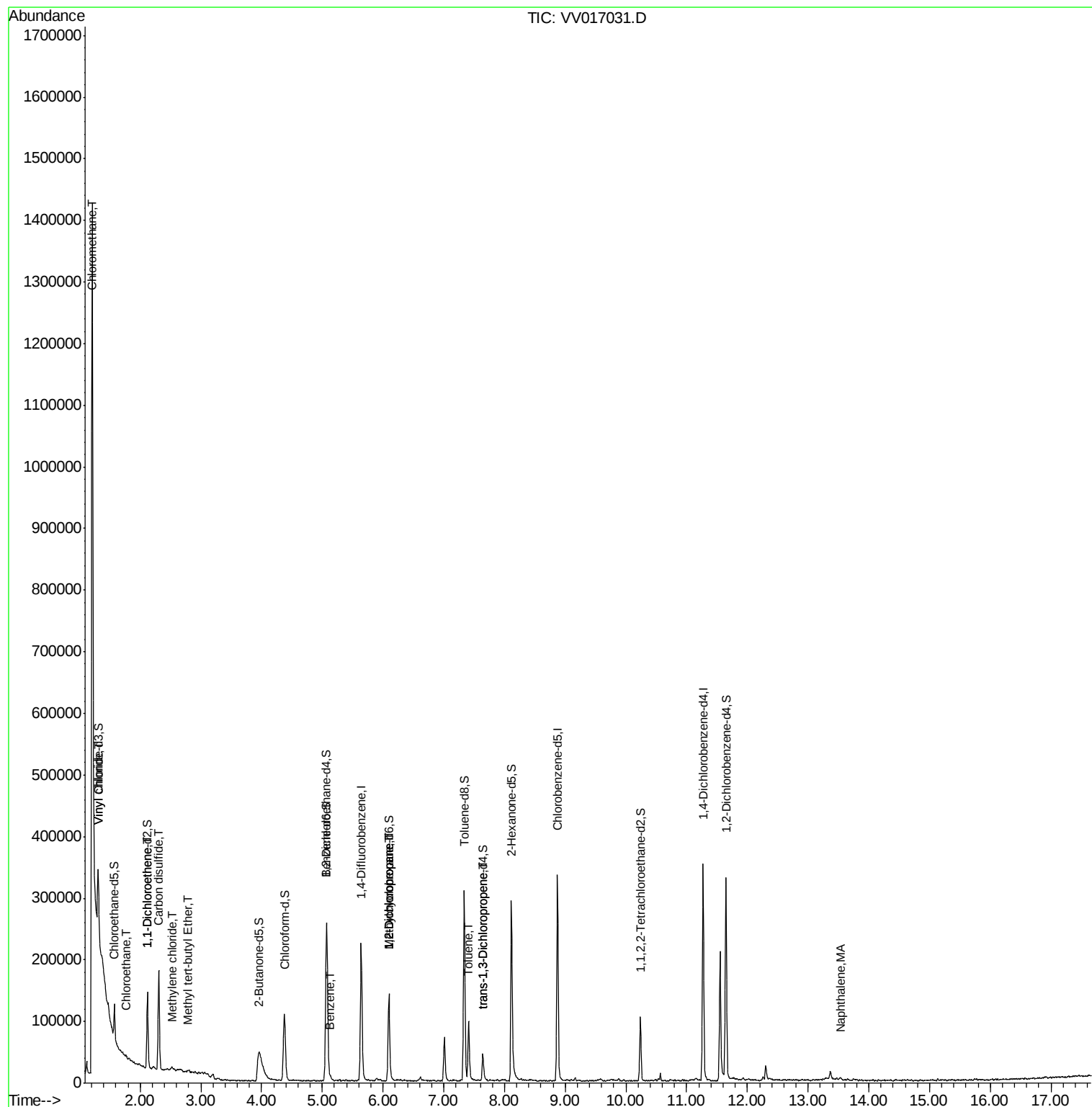
					Ovalue
3) Chloromethane	1.21	50	45501	3.662 ug/L #	45
5) Vinyl chloride	1.32	62	2031	0.169 ug/L #	1
8) Chloroethane	1.76	64	4278	0.642 ug/L #	51
12) 1,1-Dichloroethene	2.12	96	832	0.094 ug/L #	1
14) Carbon disulfide	2.31	76	181041	6.855 ug/L	98
16) Methylene chloride	2.52	84	1542	0.163 ug/L	91
17) Methyl tert-butyl Ether	2.80	73	2003	0.090 ug/L #	89
33) Benzene	5.13	78	4192	0.091 ug/L	100
35) Methylcyclohexane	6.10	83	16052	0.764 ug/L #	19
37) 1,2-Dichloropropane	6.10	63	8506	0.744 ug/L #	84
42) Toluene	7.41	91	68371	1.274 ug/L	99
46) trans-1,3-Dichloropropene	7.64	75	1232	0.084 ug/L #	82
70) Naphthalene	13.53	128	2793	0.113 ug/L #	93

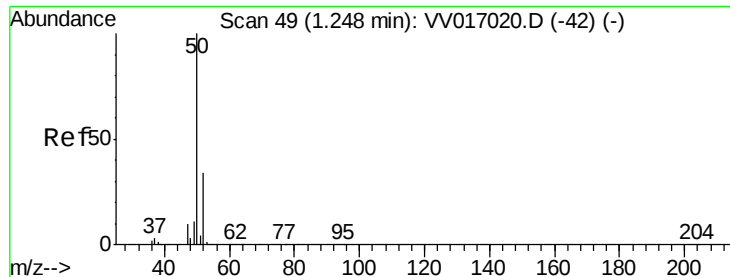
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 3.662 ug/L

RT: 1.21 min Scan# 37

Delta R.T. -0.04 min

Lab File: VV017031.D

Acq: 22 Jun 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

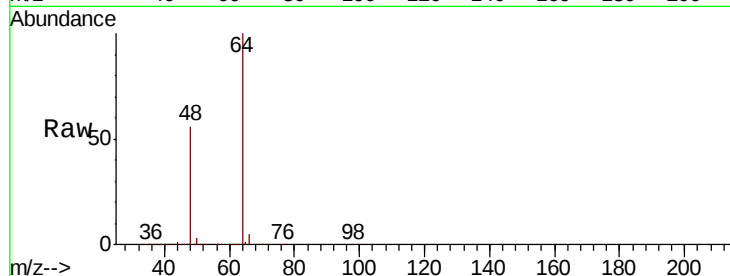
BFXG9

Tot Ion: 50 Resp: 45501

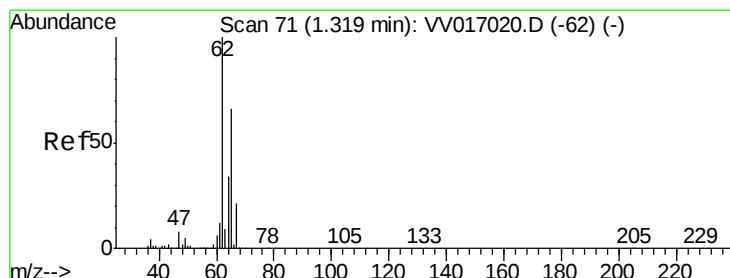
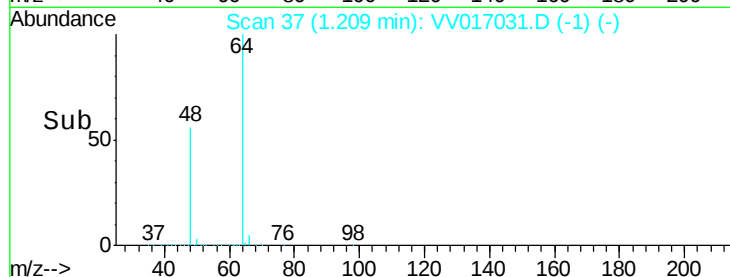
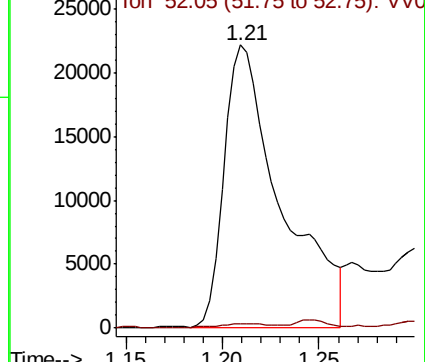
Ion Ratio Lower Upper

50 100

52 1.4 22.5 41.9#



Abundance Ion 50.05 (49.75 to 50.75): VV017020.D (-42) (-)



#5

Vinyl chloride

Concen: 0.169 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017031.D

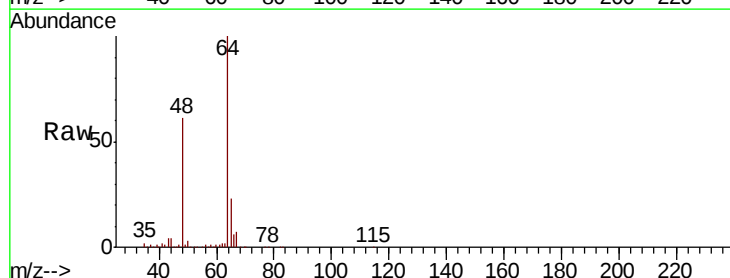
Acq: 22 Jun 2020 20:57

Tgt Ion: 62 Resp: 2031

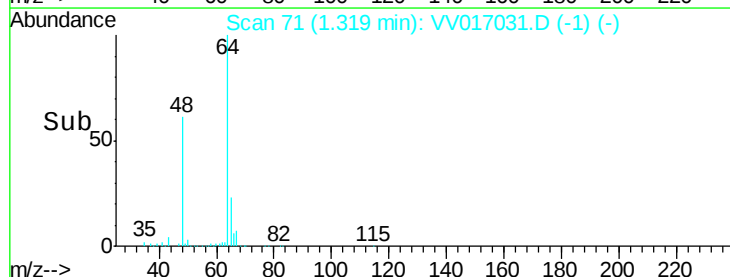
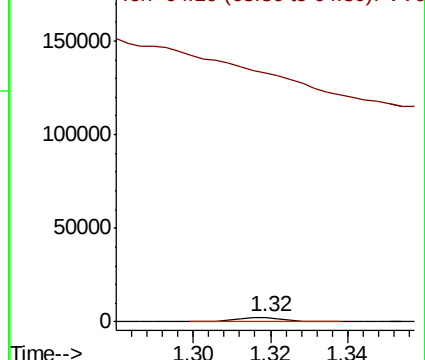
Ion Ratio Lower Upper

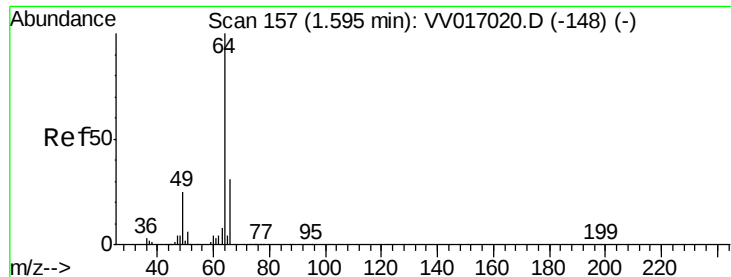
62 100

64 5674.6 22.5 41.7#



Abundance Ion 62.00 (61.70 to 62.70): VV017020.D (-62) (-)





#8

Chloroethane

Concen: 0.642 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.17 min

Lab File: VV017031.D

Acq: 22 Jun 2020 20:57

Instrument :

MSVOA_V

ClientSampled :

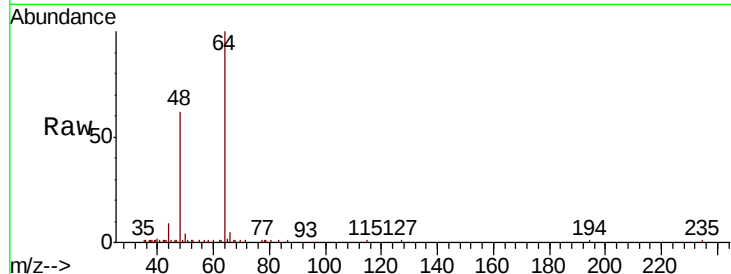
BFXG9

Tot Ion: 64 Resp: 4278

Ion Ratio Lower Upper

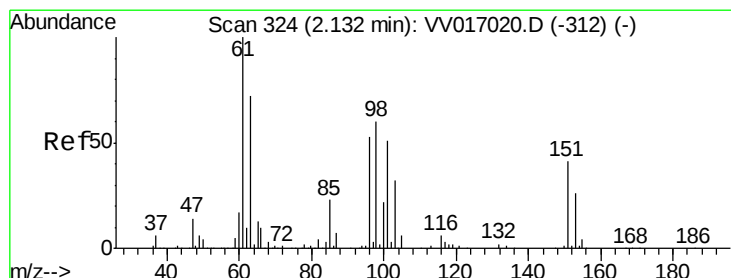
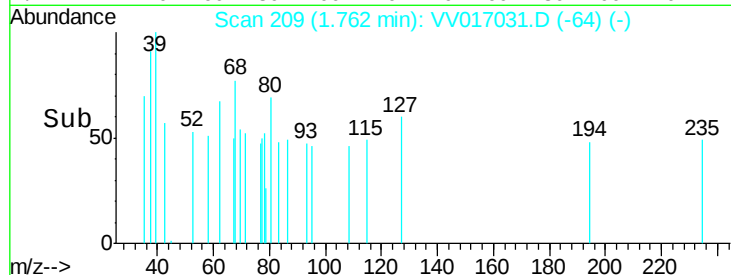
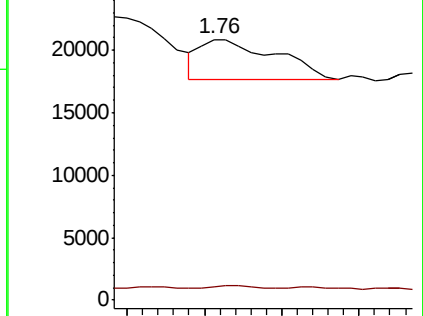
64 100

66 5.0 22.8 42.4#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#12

1,1-Dichloroethene

Concen: 0.094 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017031.D

Acq: 22 Jun 2020 20:57

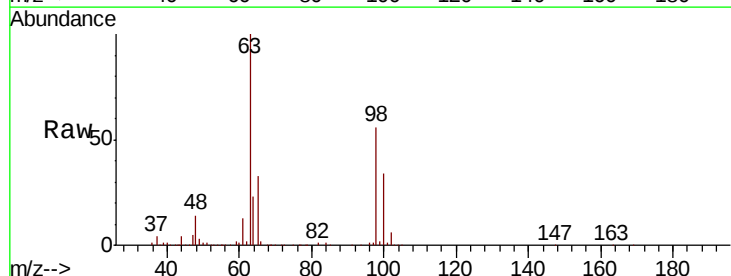
Tgt Ion: 96 Resp: 832

Ion Ratio Lower Upper

96 100

61 911.8 125.0 232.2#

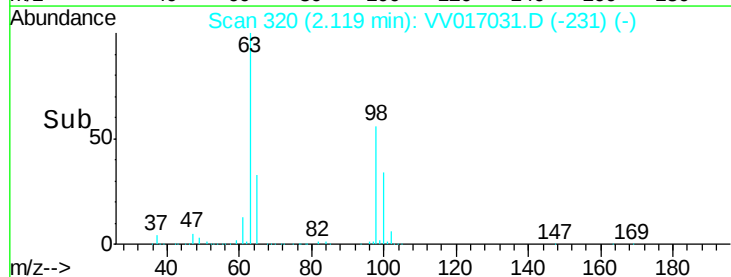
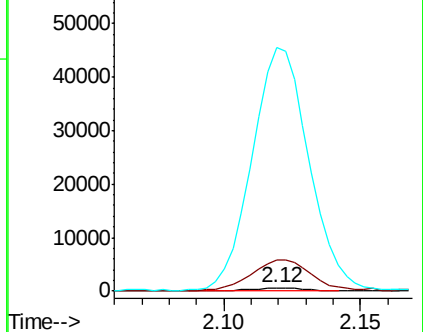
63 7274.1 109.8 203.8#

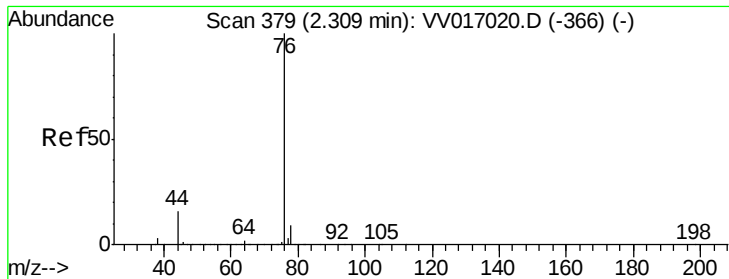


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 6.855 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017031.D

Acq: 22 Jun 2020 20:57

Instrument :

MSVOA_V

ClientSampled :

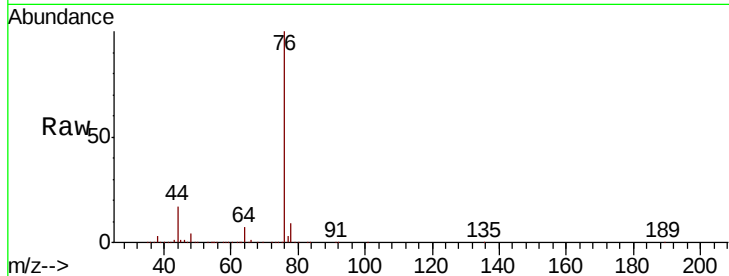
BFXG9

Tot Ion: 76 Resp: 181041

Ion Ratio Lower Upper

76 100

78 9.0 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

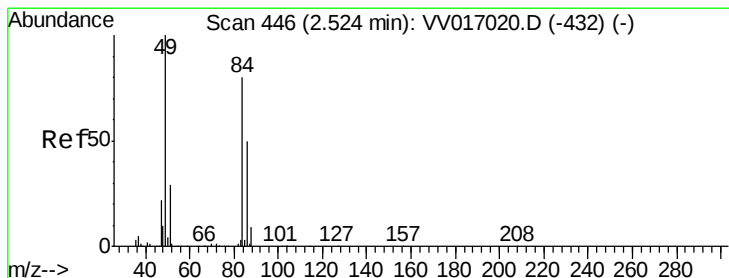
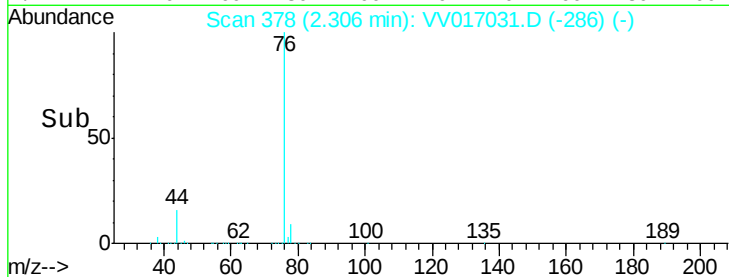
2.31

100000

50000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#16

Methylene chloride

Concen: 0.163 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV017031.D

Acq: 22 Jun 2020 20:57

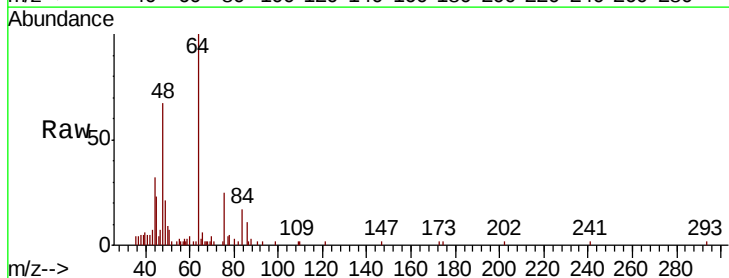
Tgt Ion: 84 Resp: 1542

Ion Ratio Lower Upper

84 100

86 77.4 45.8 85.0

49 121.2 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

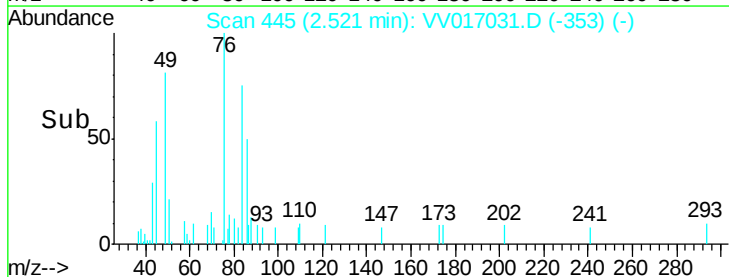
1500

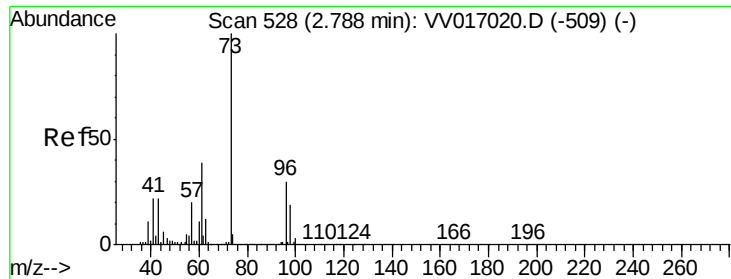
1000

500

0

Time--> 2.50 2.55

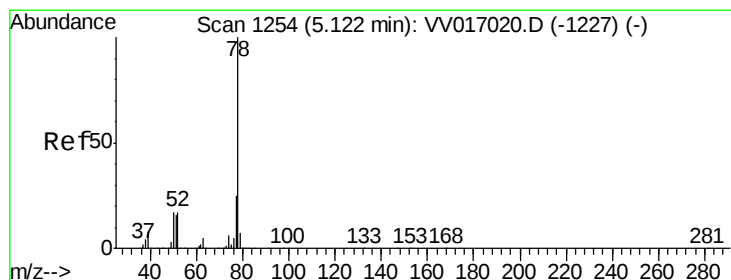
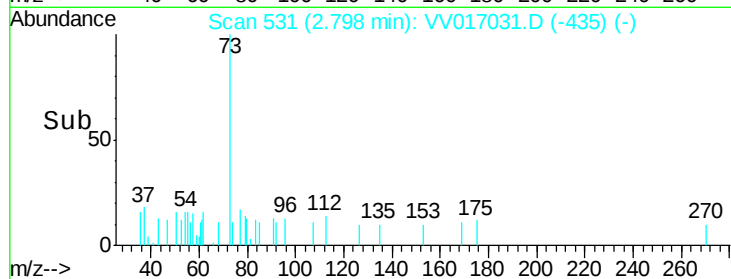
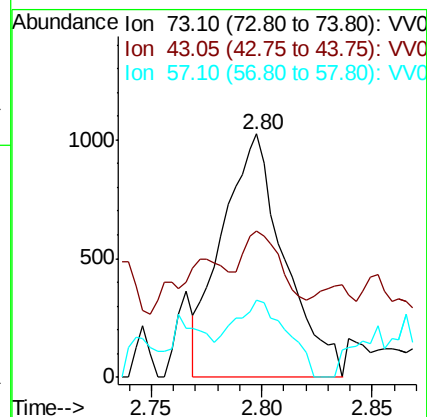
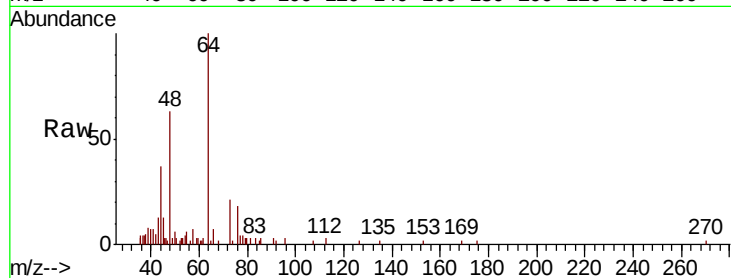




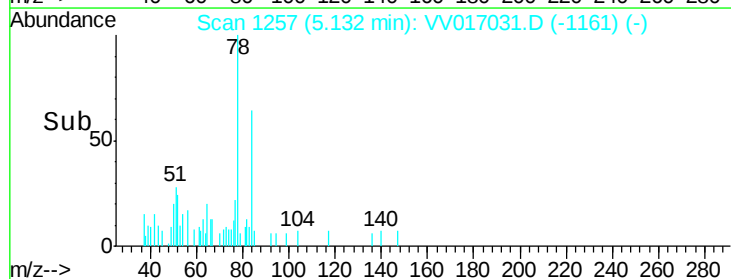
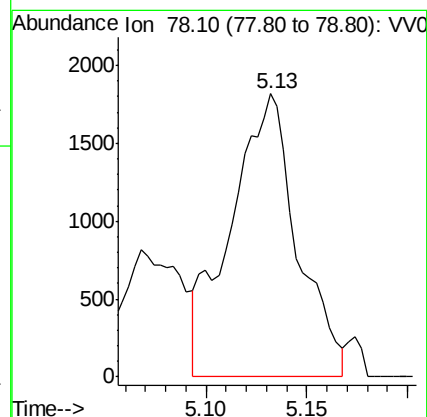
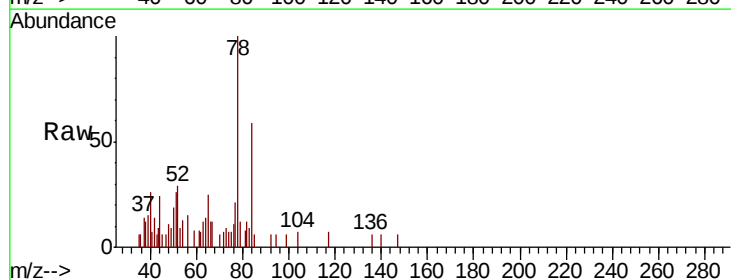
#17
Methvl tert-butvl Ether
Concen: 0.090 ug/L
RT: 2.80 min Scan# 531
Delta R.T. 0.01 min
Lab File: VV017031.D
Acq: 22 Jun 2020 20:57

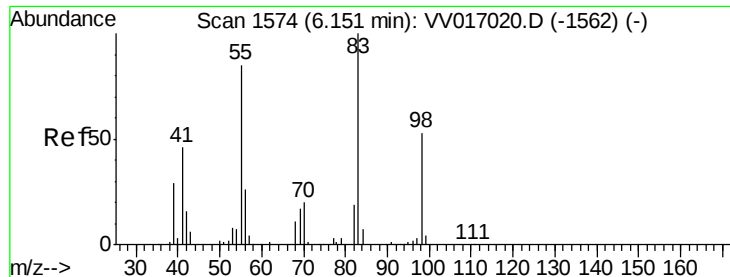
Instrument :
MSVOA_V
ClientSampleId :
BFXG9

Tot Ion: 73 Resp: 2003
Ion Ratio Lower Upper
73 100
43 20.4 18.6 28.0
57 28.1 16.4 24.6#



#33
Benzene
Concen: 0.091 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VV017031.D
Acq: 22 Jun 2020 20:57
Tgt Ion: 78 Resp: 4192

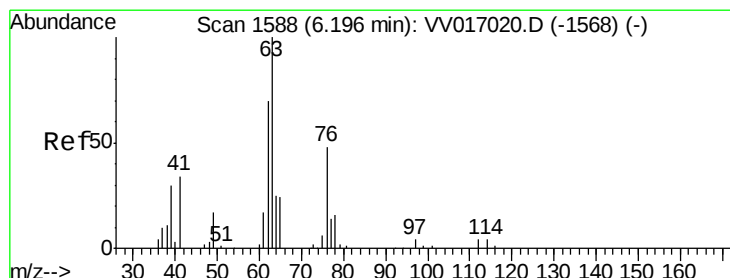
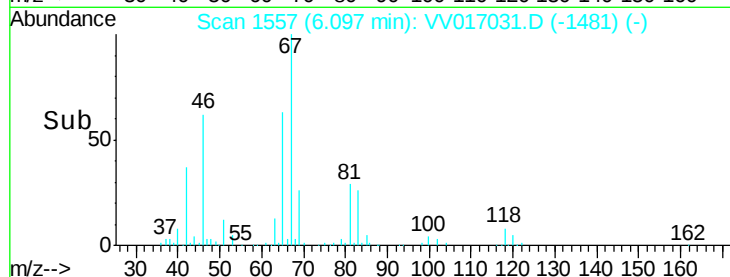
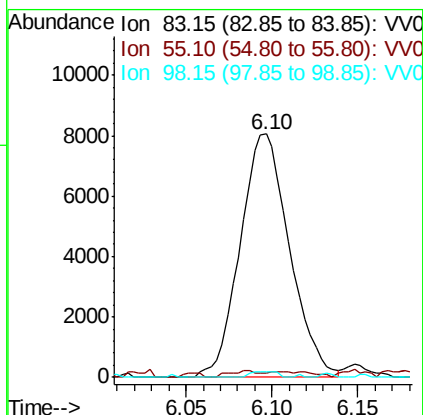
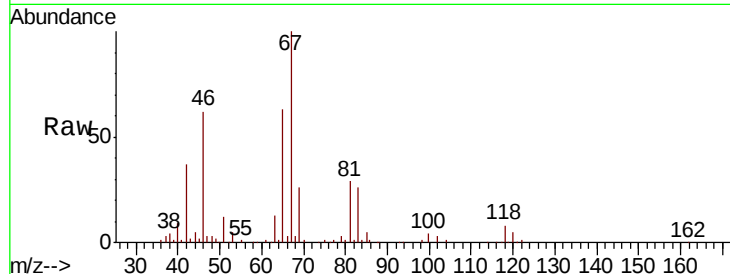




#35
Methvlcvclohexane
Concen: 0.764 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017031.D
Acq: 22 Jun 2020 20:57

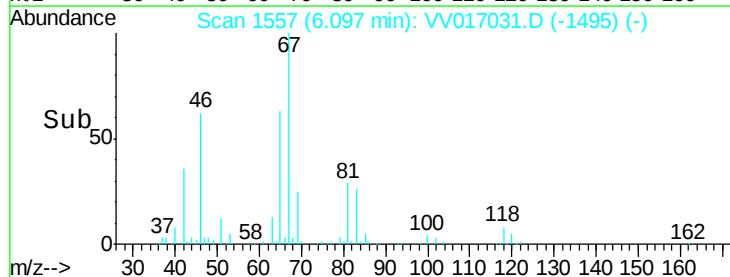
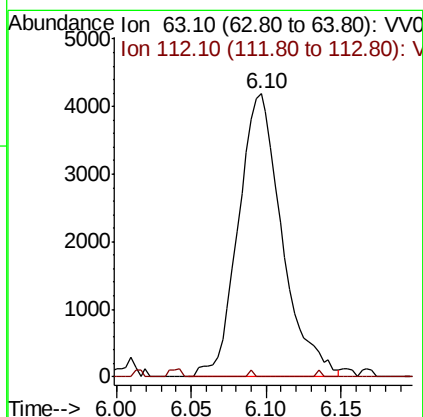
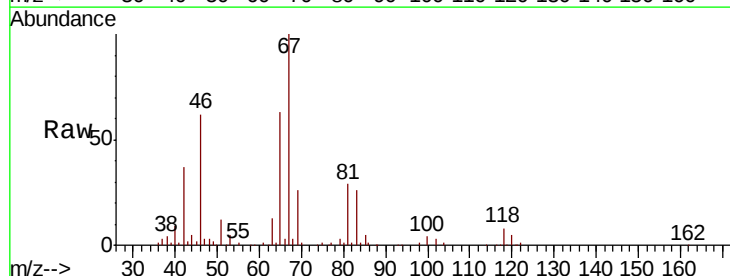
Instrument :
MSVOA_V
ClientSampled :
BFXG9

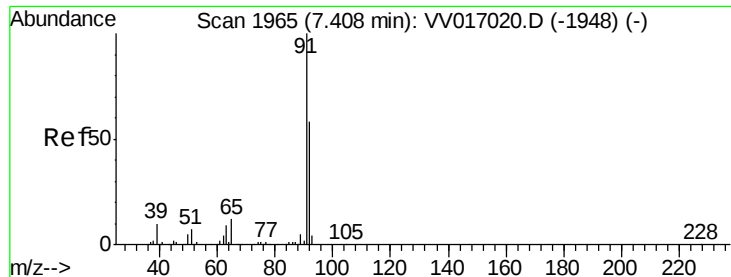
Tot Ion: 83 Resp: 16052
Ion Ratio Lower Upper
83 100
55 2.2 63.6 95.4#
98 1.3 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.744 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV017031.D
Acq: 22 Jun 2020 20:57

Tgt Ion: 63 Resp: 8506
Ion Ratio Lower Upper
63 100
112 0.2 4.4 6.6#





#42

Toluene

Concen: 1.274 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017031.D

Acq: 22 Jun 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

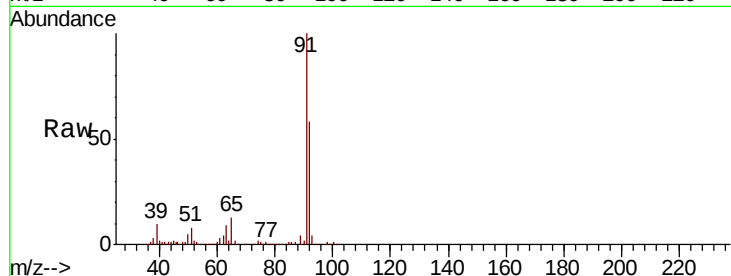
BFXG9

Tot Ion: 91 Resp: 68371

Ion Ratio Lower Upper

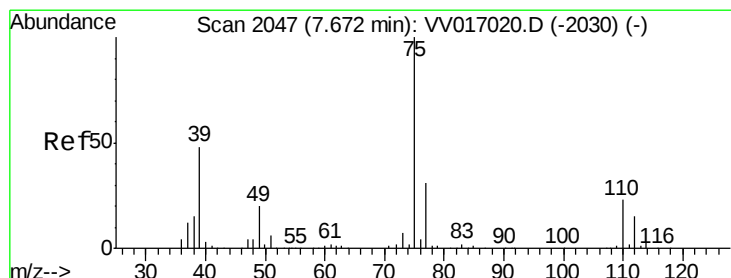
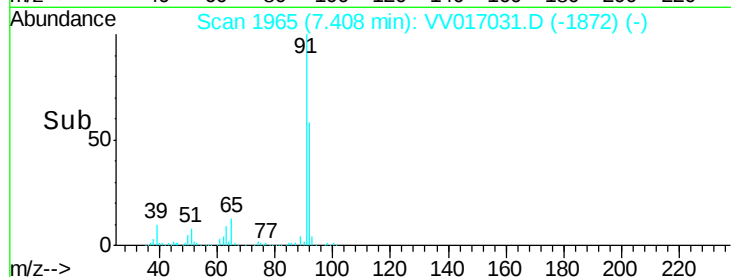
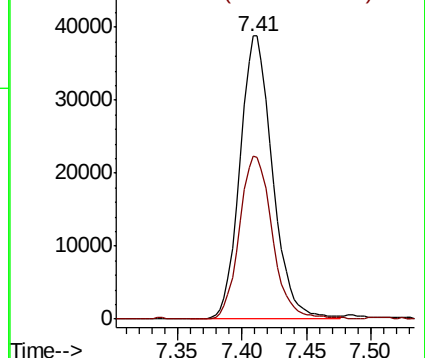
91 100

92 57.7 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#46

trans-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. -0.04 min

Lab File: VV017031.D

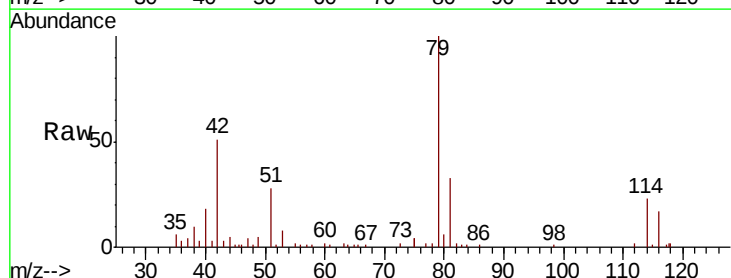
Acq: 22 Jun 2020 20:57

Tgt Ion: 75 Resp: 1232

Ion Ratio Lower Upper

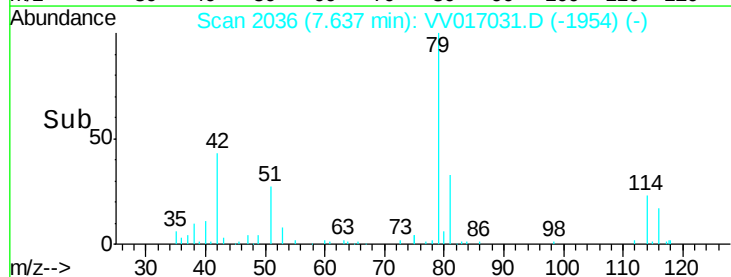
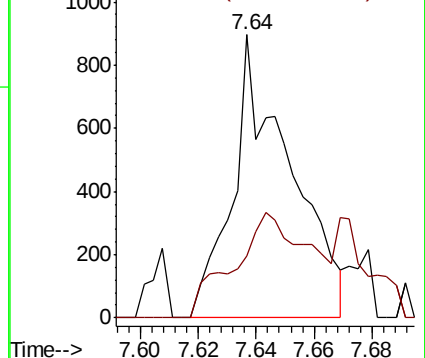
75 100

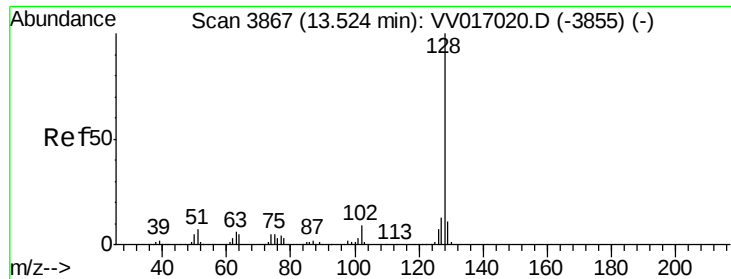
77 21.8 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#70

Naphthalene

Concen: 0.113 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV017031.D

Acq: 22 Jun 2020 20:57

Instrument :

MSVOA_V

ClientSampleId :

BFXG9

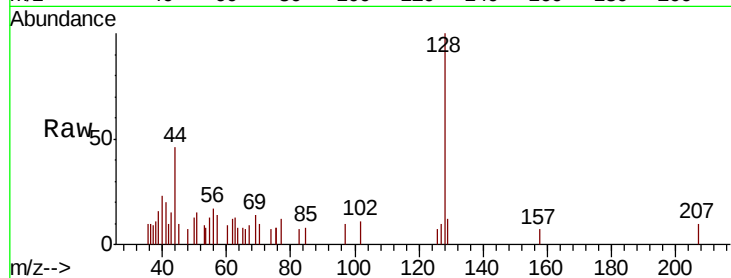
Tot Ion:128 Resp: 2793

Ion Ratio Lower Upper

128 100

129 9.1 8.8 13.2

127 9.7 10.5 15.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

