

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\
 Data File : VV017057.D
 Acq On : 23 Jun 2020 15:46
 Operator : SY/MD
 Sample : L3067-01DL2 200X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXF8DL2

Quant Time: Jun 24 05:06:07 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	174214	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	172894	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	82990	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41877	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.58	69	34612	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.12	63	66853	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	3.93	46	127031	47.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.34%
24) Chloroform-d	4.38	84	93926	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
26) 1,2-Dichloroethane-d4	5.06	65	56757	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.07	84	202376	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.10	67	60082	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.34	98	183477	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
45) trans-1,3-Dichloropropene-	7.64	79	23180	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
48) 2-Hexanone-d5	8.11	63	77754	36.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.98%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	40877	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	71915	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

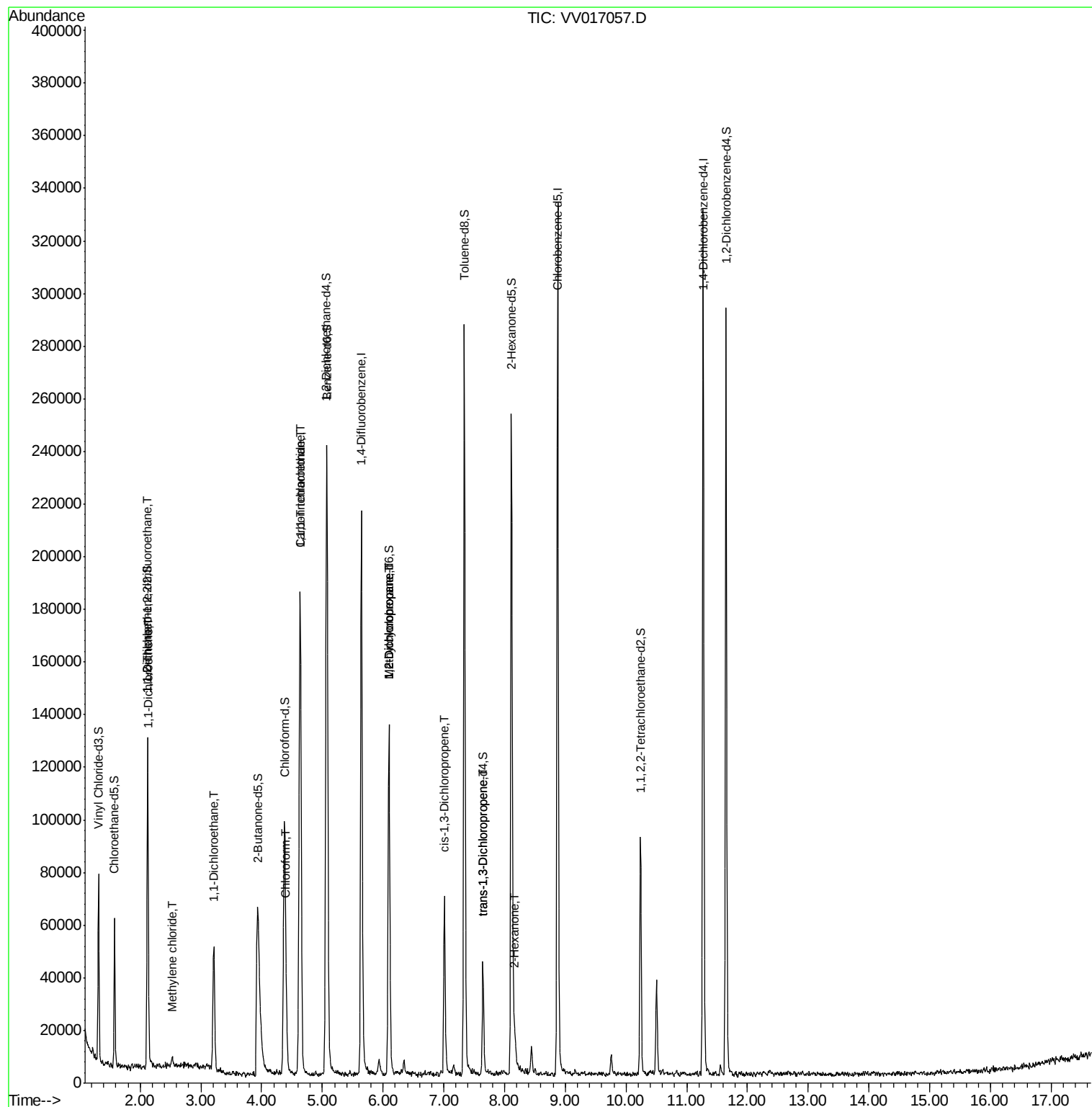
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	699	0.076	ug/L #	30
12) 1,1-Dichloroethene	2.14	96	2728	0.326	ug/L #	1
16) Methylene chloride	2.52	84	1919	0.214	ug/L	87
19) 1,1-Dichloroethane	3.21	63	43832	2.202	ug/L	99
25) Chloroform	4.41	83	13384	0.616	ug/L	97
29) 1,1,1-Trichloroethane	4.63	97	143969	6.950	ug/L	98
31) Carbon tetrachloride	4.63	117	18103	0.969	ug/L	98
35) Methylcyclohexane	6.10	83	16505	0.801	ug/L #	19
37) 1,2-Dichloropropane	6.10	63	7480	0.667	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2139	0.128	ug/L	84
46) trans-1,3-Dichloropropene	7.64	75	1250	0.087	ug/L #	78
50) 2-Hexanone	8.16	43	7623	1.655	ug/L #	88

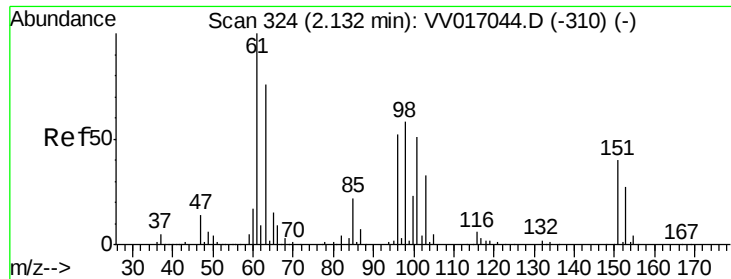
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.076 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017057.D

Acq: 23 Jun 2020 15:46

Instrument :

MSVOA_V

ClientSampled :

BFXF8DL2

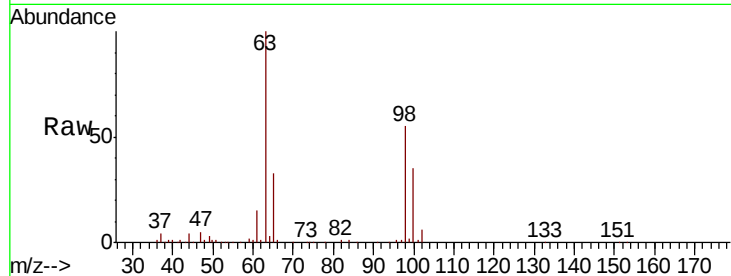
Tot Ion:101 Resp: 699

Ion Ratio Lower Upper

101 100

85 10.6 35.4 53.2#

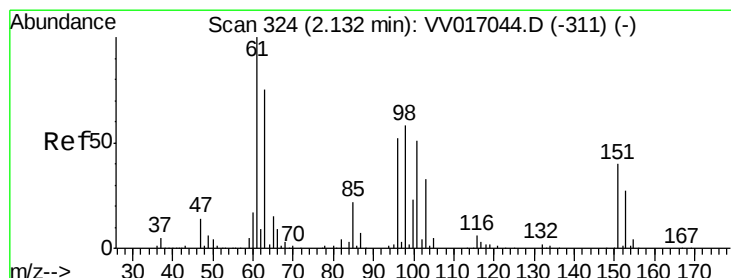
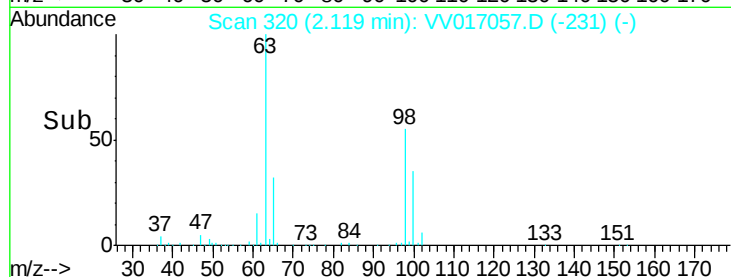
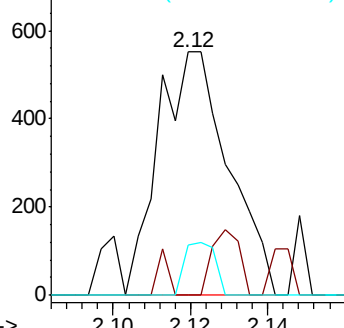
151 9.4 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.326 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV017057.D

Acq: 23 Jun 2020 15:46

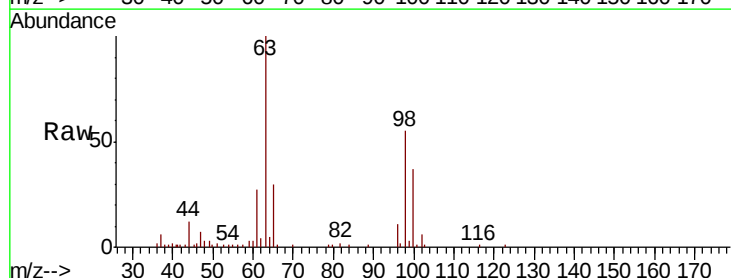
Tgt Ion: 96 Resp: 2728

Ion Ratio Lower Upper

96 100

61 206.6 125.0 232.2

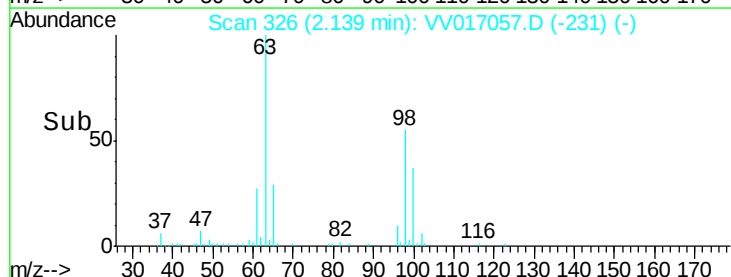
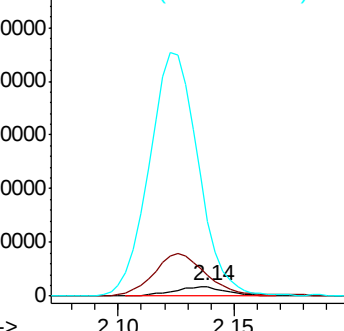
63 763.7 109.8 203.8#

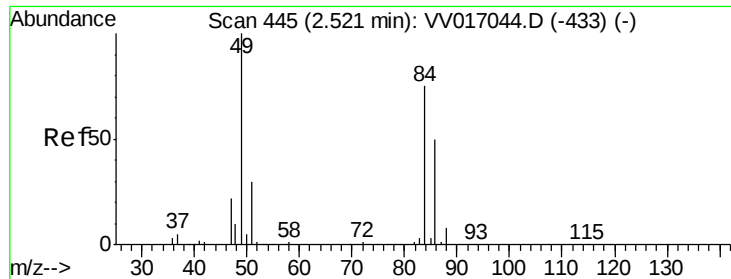


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

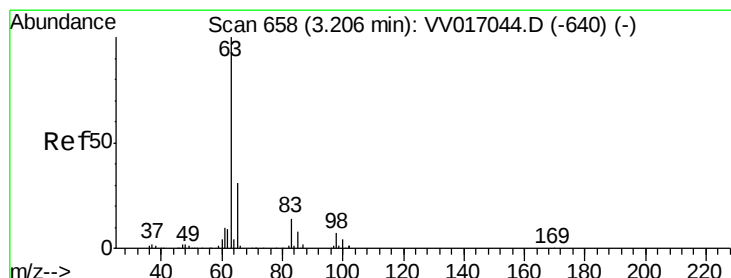
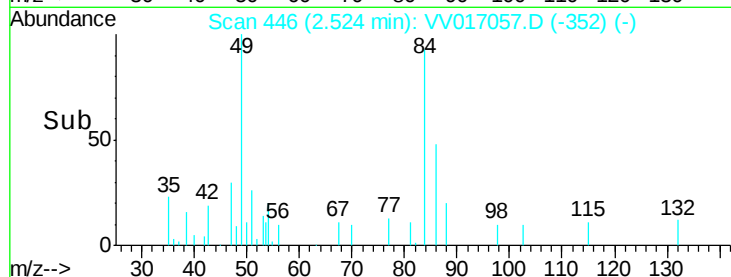
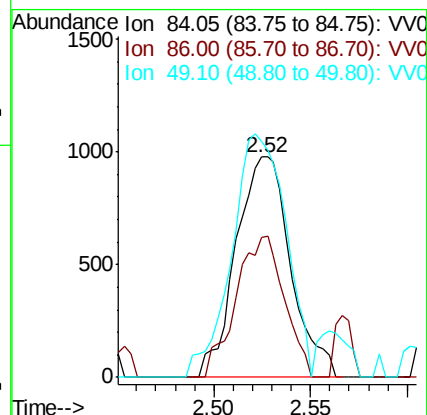
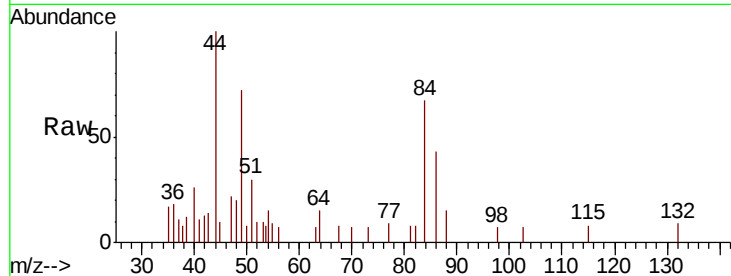




#16
Methylene chloride
Concen: 0.214 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017057.D
Acq: 23 Jun 2020 15:46

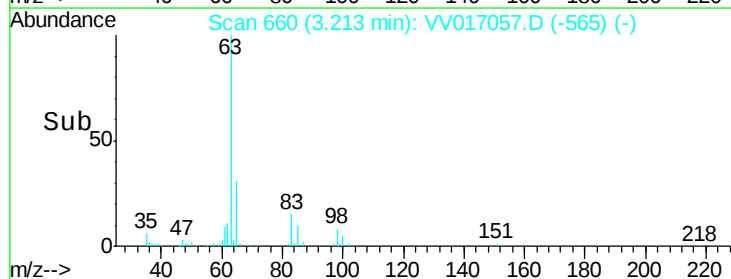
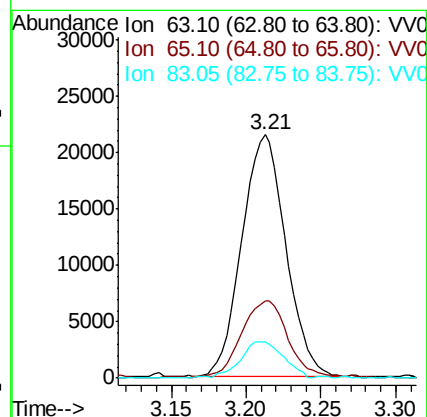
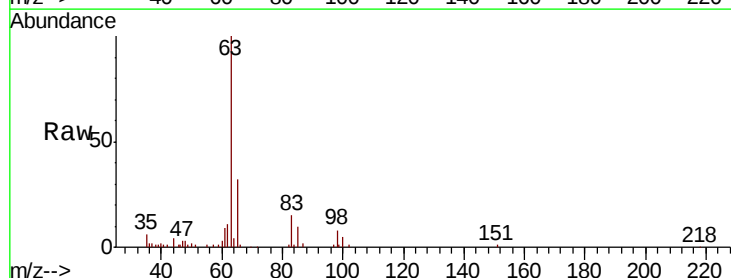
Instrument :
MSVOA_V
ClientSampled :
BFXF8DL2

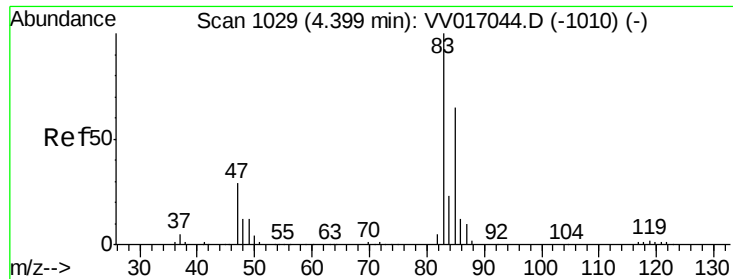
Tot Ion: 84 Resp: 1919
Ion Ratio Lower Upper
84 100
86 63.6 45.8 85.0
49 107.4 89.6 166.4



#19
1,1-Dichloroethane
Concen: 2.202 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.01 min
Lab File: VV017057.D
Acq: 23 Jun 2020 15:46

Tgt Ion: 63 Resp: 43832
Ion Ratio Lower Upper
63 100
65 31.6 21.8 40.4
83 14.8 9.7 17.9

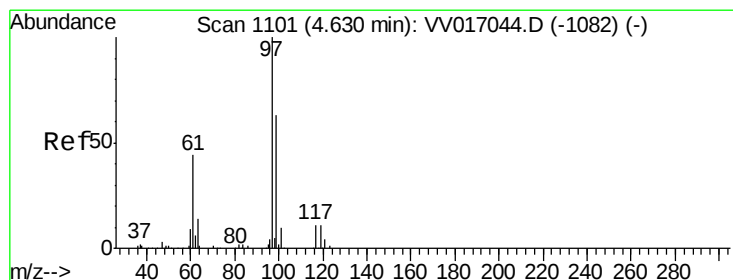
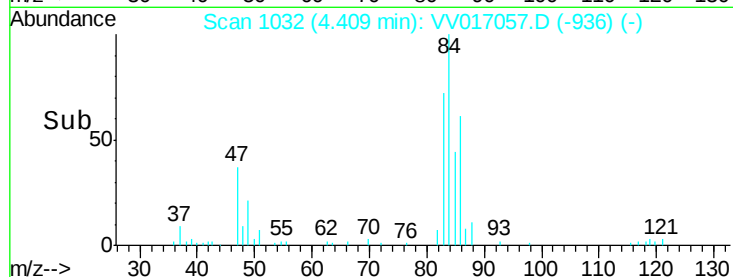
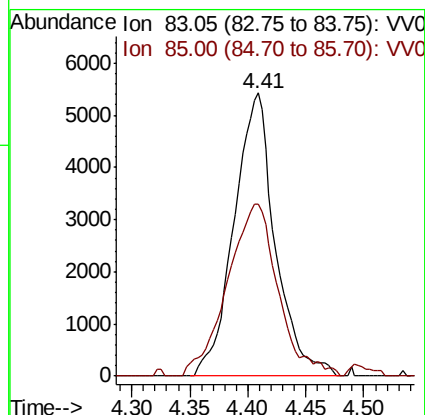
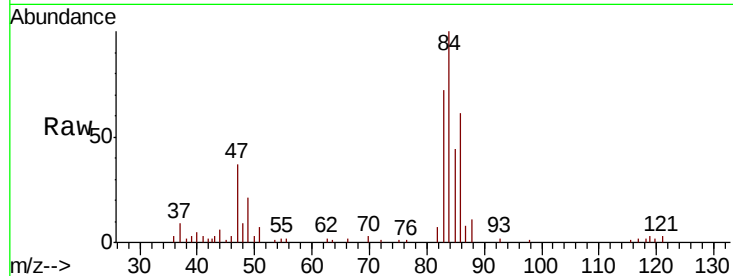




#25
Chloroform
Concen: 0.616 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV017057.D
Acq: 23 Jun 2020 15:46

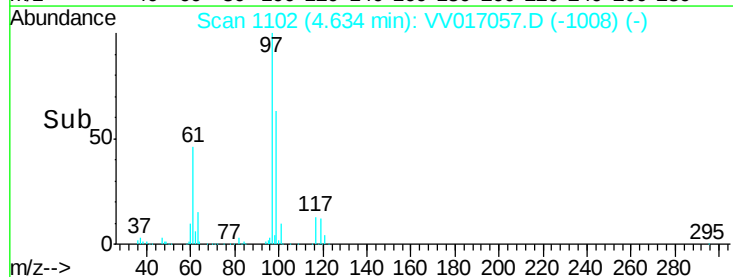
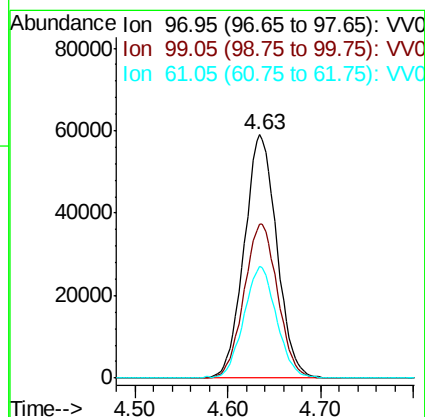
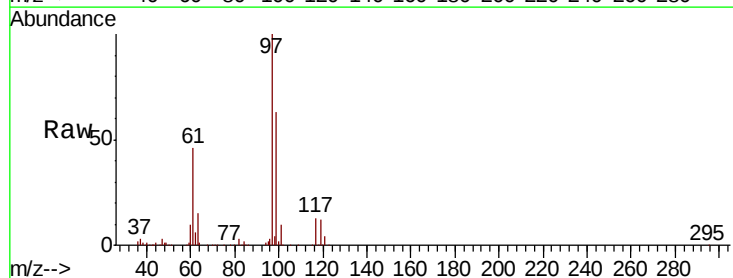
Instrument :
MSVOA_V
ClientSampleId :
BFXF8DL2

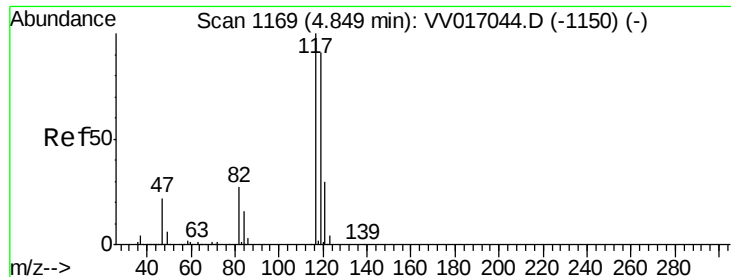
Tot Ion: 83 Resp: 13384
Ion Ratio Lower Upper
83 100
85 60.7 44.2 82.2



#29
1,1,1-Trichloroethane
Concen: 6.950 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV017057.D
Acq: 23 Jun 2020 15:46

Tgt Ion: 97 Resp: 143969
Ion Ratio Lower Upper
97 100
99 65.1 50.3 75.5
61 46.0 36.0 54.0





#31

Carbon tetrachloride

Concen: 0.969 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.22 min

Lab File: VV017057.D

Acq: 23 Jun 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

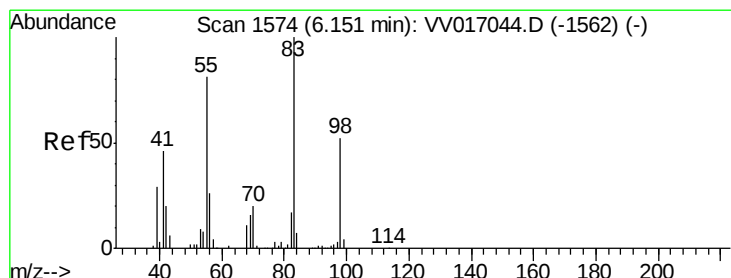
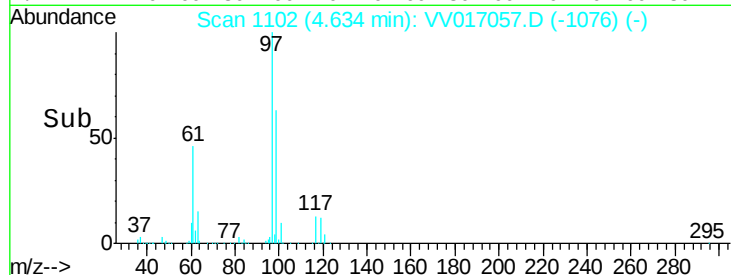
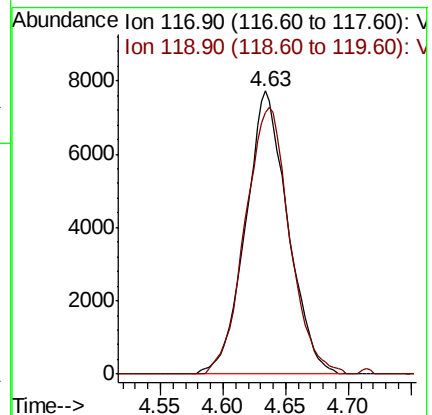
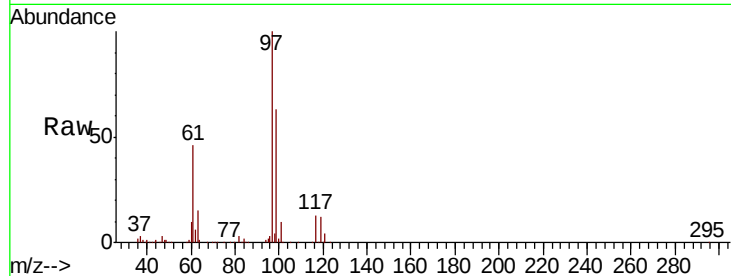
BFXF8DL2

Tot Ion:117 Resp: 18103

Ion Ratio Lower Upper

117 100

119 99.2 77.8 116.8



#35

Methylcyclohexane

Concen: 0.801 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV017057.D

Acq: 23 Jun 2020 15:46

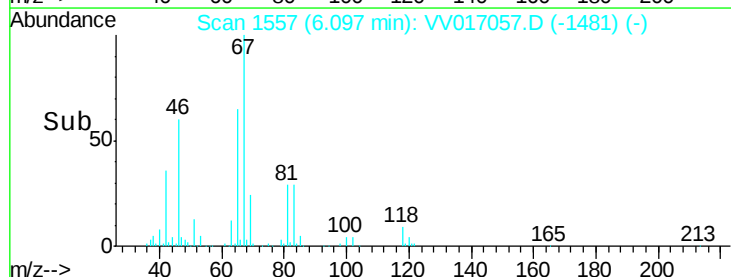
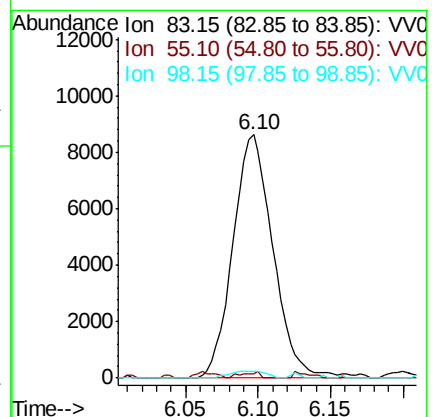
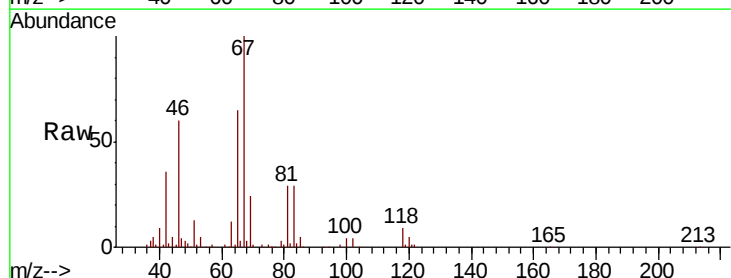
Tgt Ion: 83 Resp: 16505

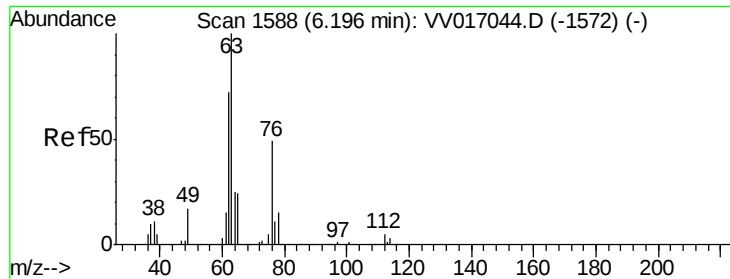
Ion Ratio Lower Upper

83 100

55 1.1 63.6 95.4#

98 2.6 38.8 58.2#





#37

1,2-Dichloropropane

Concen: 0.667 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV017057.D

Acq: 23 Jun 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

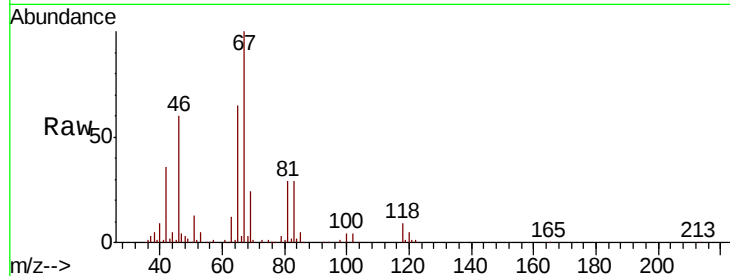
BFXF8DL2

Tot Ion: 63 Resp: 7480

Ion Ratio Lower Upper

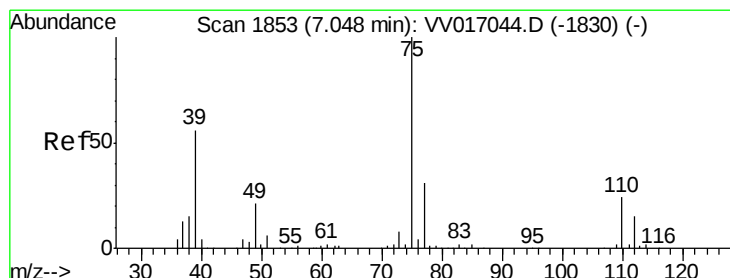
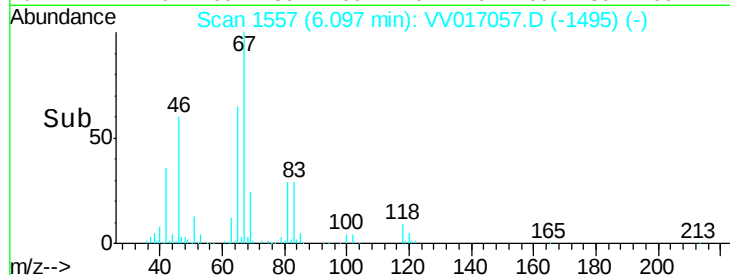
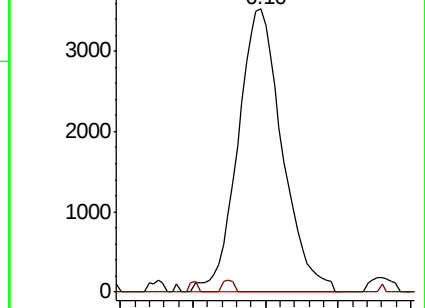
63 100

112 1.0 4.4 6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV017044.D (-1572) (-)

Ion 112.10 (111.80 to 112.80): VV017044.D (-1572) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.128 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV017057.D

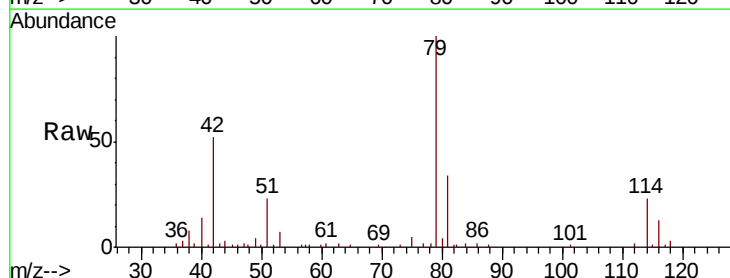
Acq: 23 Jun 2020 15:46

Tgt Ion: 75 Resp: 2139

Ion Ratio Lower Upper

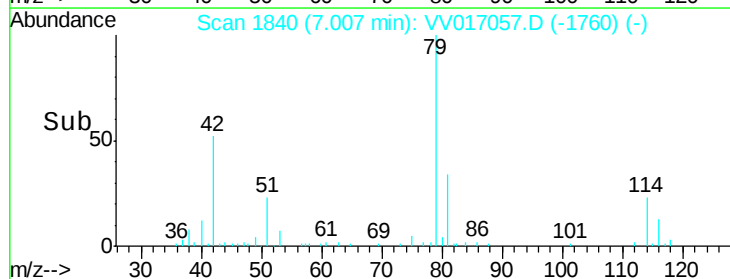
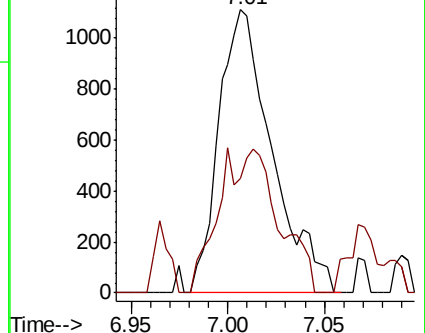
75 100

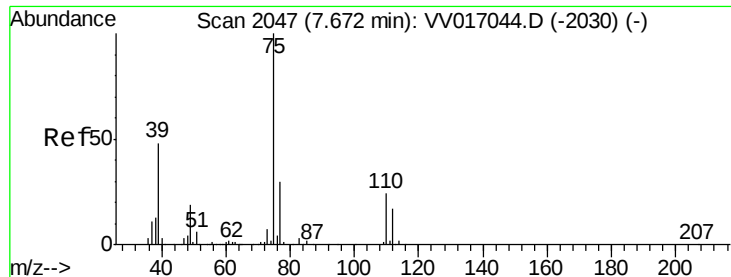
77 40.6 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV017044.D (-1830) (-)

Ion 77.05 (76.75 to 77.75): VV017044.D (-1830) (-)





#46

trans-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017057.D

Acq: 23 Jun 2020 15:46

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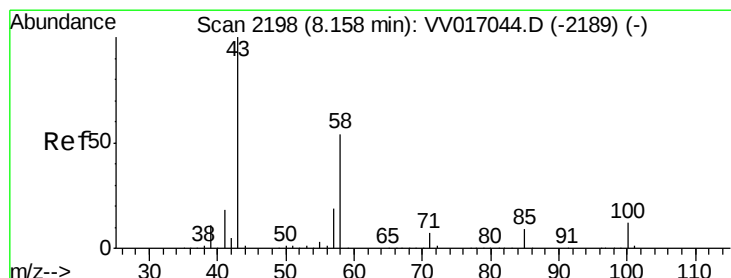
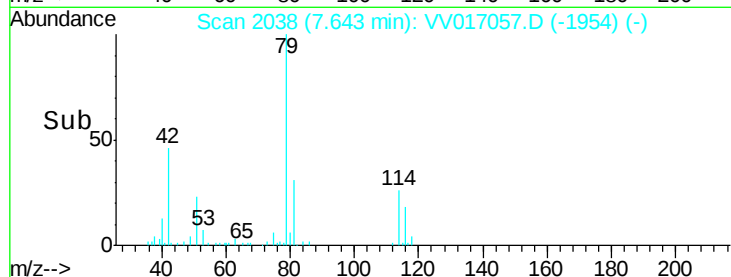
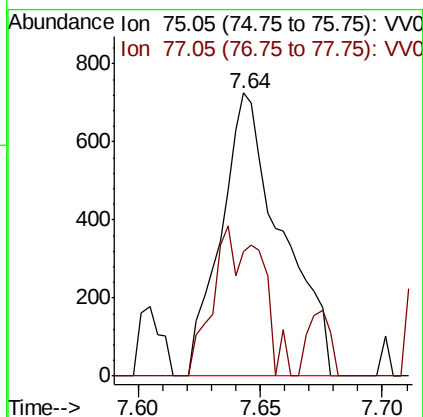
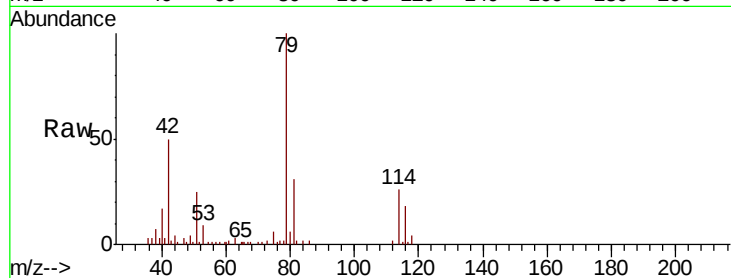
BFXF8DL2

Tot Ion: 75 Resp: 1250

Ion Ratio Lower Upper

75 100

77 44.0 22.3 41.3#



#50

2-Hexanone

Concen: 1.655 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV017057.D

Acq: 23 Jun 2020 15:46

Tgt Ion: 43 Resp: 7623

Ion Ratio Lower Upper

43 100

58 42.3 41.6 62.4

57 19.7 15.4 23.0

100 5.0 10.1 15.1#

