

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\
 Data File : VV017054.D
 Acq On : 23 Jun 2020 14:35
 Operator : SY/MD
 Sample : L3067-15DL 25X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXH2DL

Quant Time: Jun 24 05:05:25 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	178721	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	175132	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	82757	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44433	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.58	69	35311	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	2.12	63	74533	3.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.00%
20) 2-Butanone-d5	3.93	46	133683	48.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.80%
24) Chloroform-d	4.38	84	100683	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	5.06	65	59760	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.08	84	208329	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.10	67	61733	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	7.34	98	189431	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
45) trans-1,3-Dichloropropene-	7.64	79	23564	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
48) 2-Hexanone-d5	8.11	63	79543	36.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.70%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	41576	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	75756	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	2700	0.230 ug/L #	63
8) Chloroethane	1.60	64	2190	0.338 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	677	0.072 ug/L #	22
12) 1,1-Dichloroethene	2.13	96	9912	1.156 ug/L #	1
16) Methylene chloride	2.53	84	1865	0.203 ug/L	84
19) 1,1-Dichloroethane	3.21	63	199055	9.747 ug/L	99
22) cis-1,2-Dichloroethene	3.94	96	6037	0.486 ug/L	75
25) Chloroform	4.41	83	10970	0.492 ug/L	94
29) 1,1,1-Trichloroethane	4.63	97	482870	23.014 ug/L	98
31) Carbon tetrachloride	4.63	117	59472	3.141 ug/L	99
33) Benzene	5.13	78	4178	0.091 ug/L	100
35) Methylcyclohexane	6.09	83	16593	0.795 ug/L #	19
46) trans-1,3-Dichloropropene	7.64	75	1662	0.114 ug/L #	10
50) 2-Hexanone	8.17	43	9150	1.961 ug/L #	86
53) Chlorobenzene	8.90	112	1696	0.051 ug/L #	85

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 24 05:01:54 2020
Response via : Initial Calibration

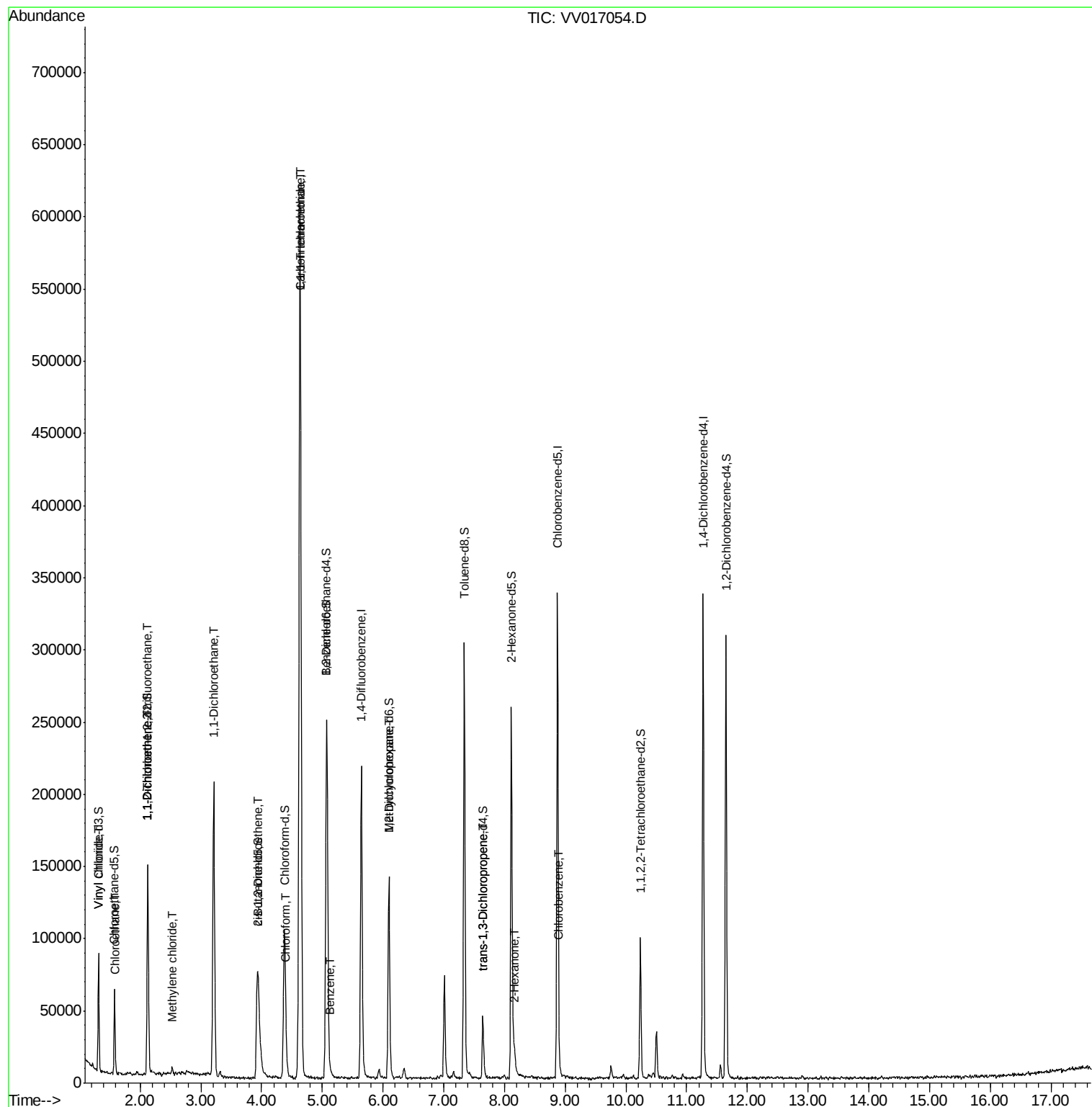
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

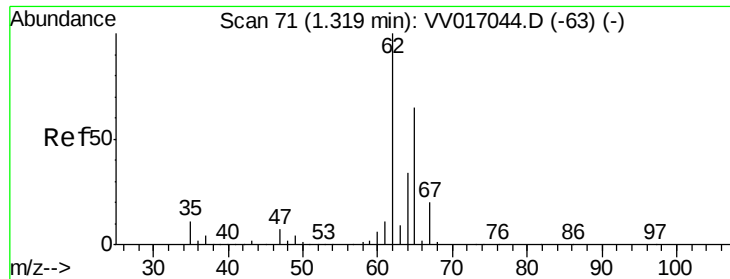
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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QLast Update : Wed Jun 24 05:01:54 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.230 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017054.D

Acq: 23 Jun 2020 14:35

Instrument :

MSVOA_V

ClientSampleId :

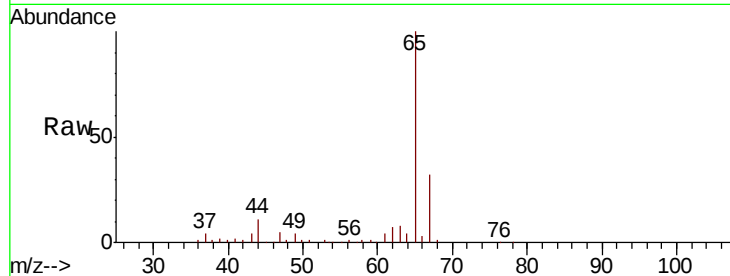
BFXH2DL

Tot Ion: 62 Resp: 2700

Ion Ratio Lower Upper

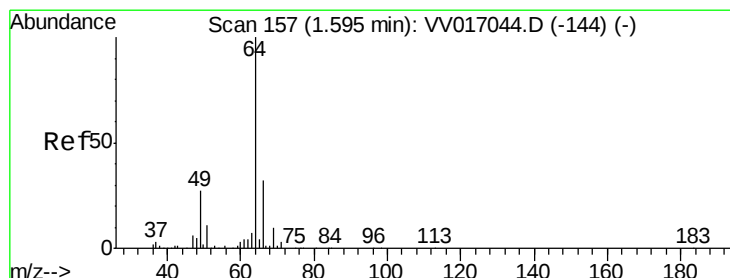
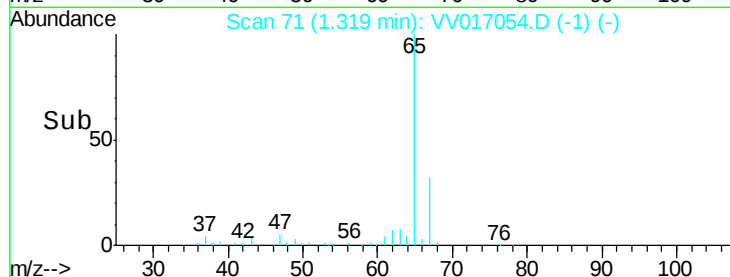
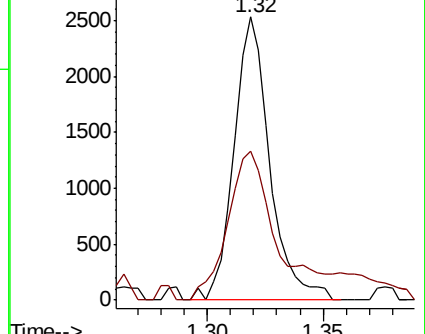
62 100

64 52.8 22.5 41.7#



Abundance Ion 62.00 (61.70 to 62.70): VV017044.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV017054.D (-64) (-)



#8

Chloroethane

Concen: 0.338 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017054.D

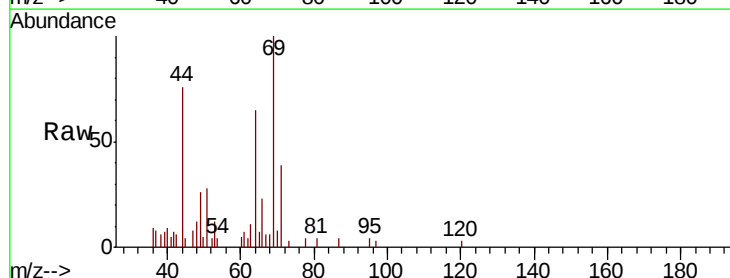
Acq: 23 Jun 2020 14:35

Tgt Ion: 64 Resp: 2190

Ion Ratio Lower Upper

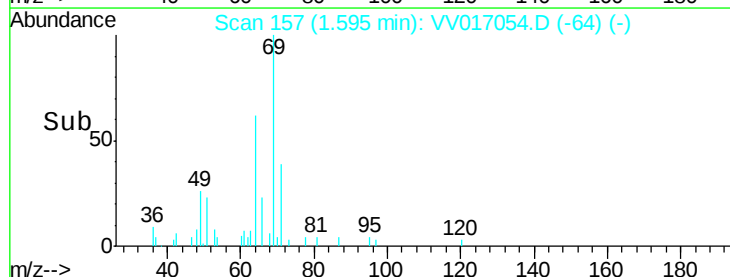
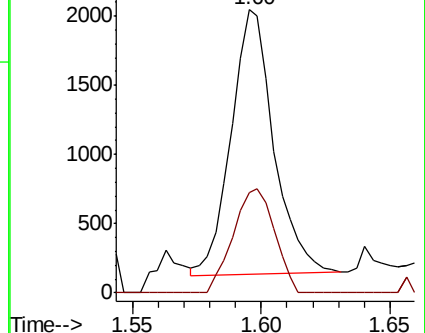
64 100

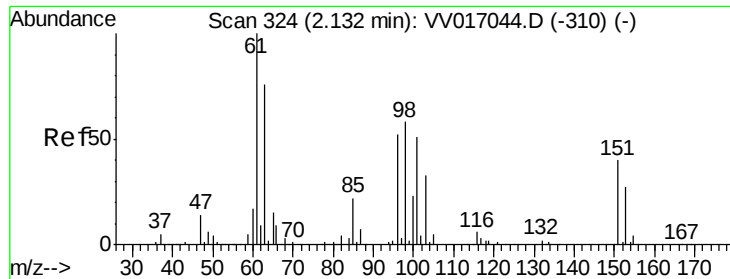
66 35.5 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV017044.D (-144) (-)

Ion 66.05 (65.75 to 66.75): VV017054.D (-64) (-)





#10

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

Concen: 0.072 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017054.D

Acq: 23 Jun 2020 14:35

Instrument :

MSVOA_V

ClientSampleId :

BFXH2DL

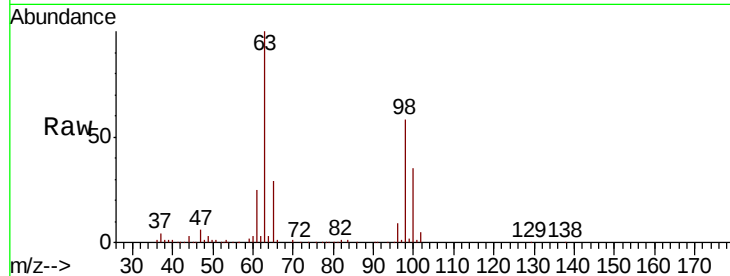
Tot Ion:101 Resp: 677

Ion Ratio Lower Upper

101 100

85 7.8 35.4 53.2#

151 0.0 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): V

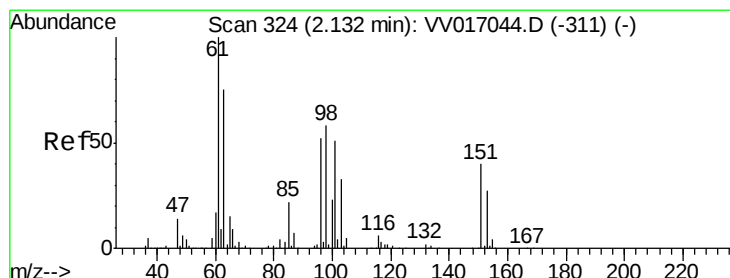
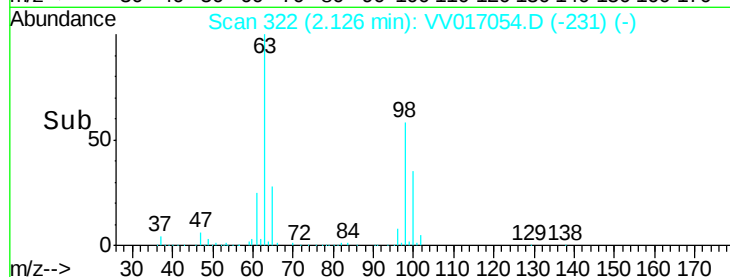
Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

Time-->

2.13

2.15



#12

1,1-Dichloroethene

Concen: 1.156 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017054.D

Acq: 23 Jun 2020 14:35

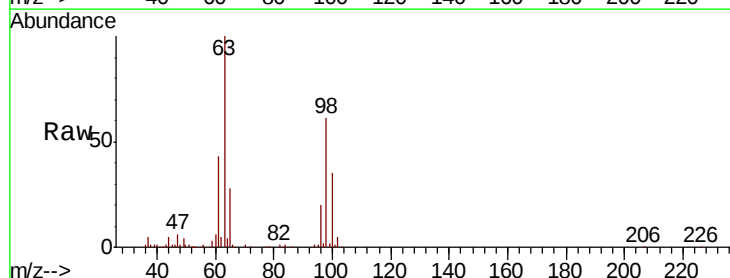
Tgt Ion: 96 Resp: 9912

Ion Ratio Lower Upper

96 100

61 216.7 125.0 232.2

63 508.2 109.8 203.8#



Abundance Ion 96.00 (95.70 to 96.70): VV0

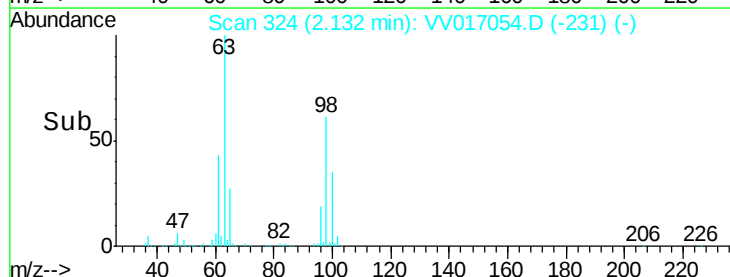
Ion 61.05 (60.75 to 61.75): VV0

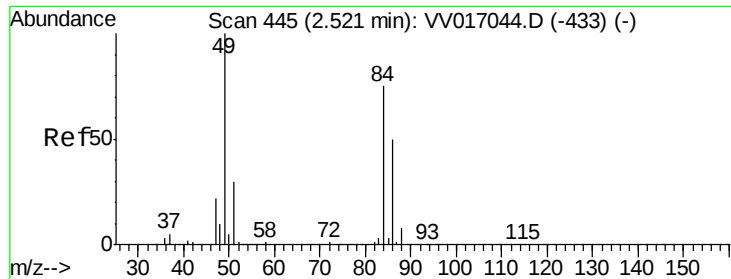
Ion 63.00 (62.70 to 63.70): VV0

Time-->

2.13

2.20

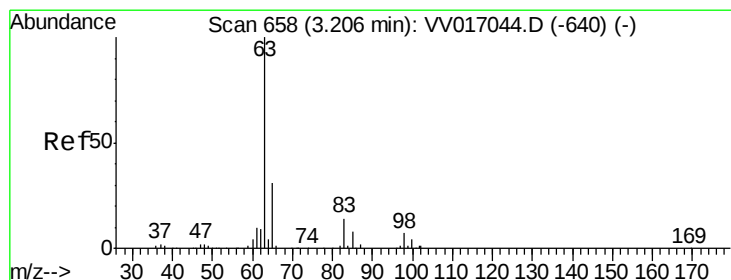
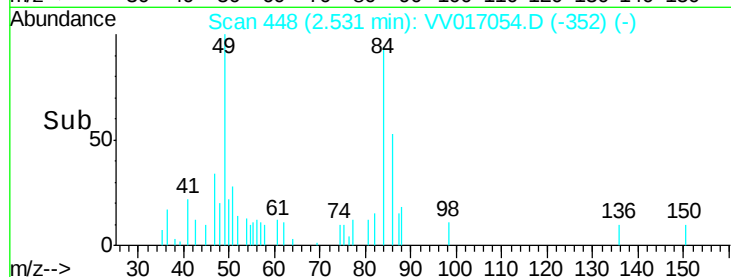
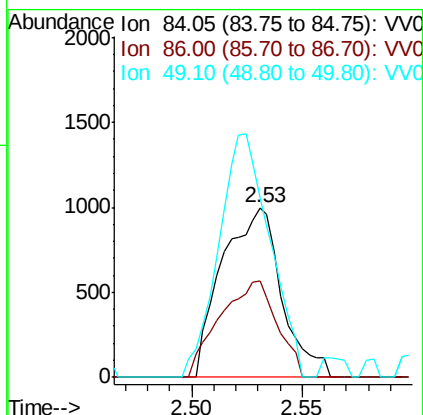
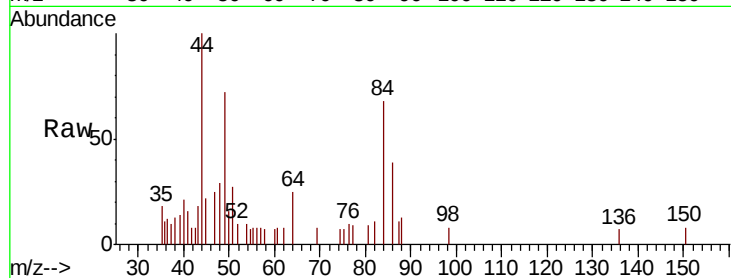




#16
Methvlene chloride
Concen: 0.203 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.01 min
Lab File: VV017054.D
Acq: 23 Jun 2020 14:35

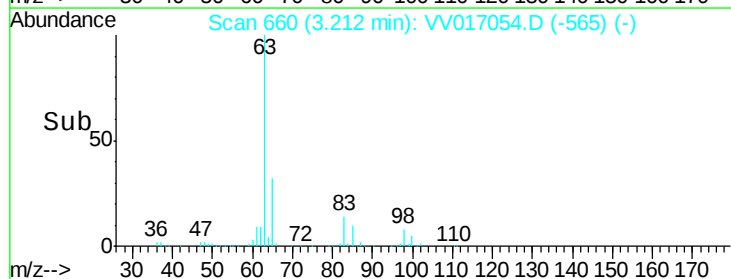
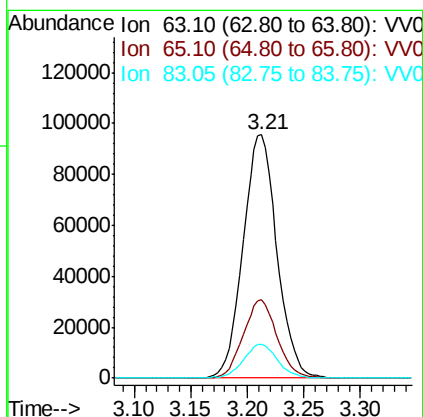
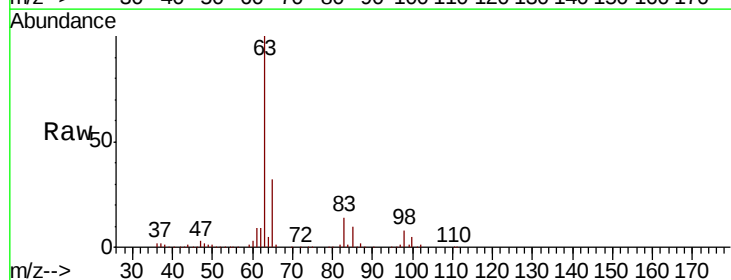
Instrument :
MSVOA_V
ClientSampleId :
BFXH2DL

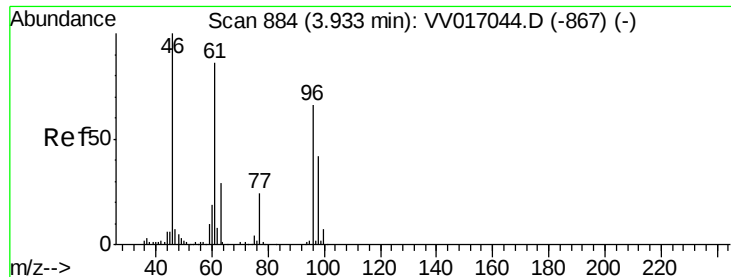
Tot Ion: 84 Resp: 1865
Ion Ratio Lower Upper
84 100
86 56.7 45.8 85.0
49 106.2 89.6 166.4



#19
1,1-Dichloroethane
Concen: 9.747 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.01 min
Lab File: VV017054.D
Acq: 23 Jun 2020 14:35

Tgt Ion: 63 Resp: 199055
Ion Ratio Lower Upper
63 100
65 32.2 21.8 40.4
83 14.0 9.7 17.9



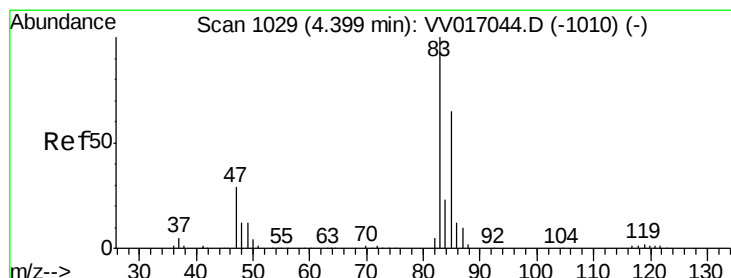
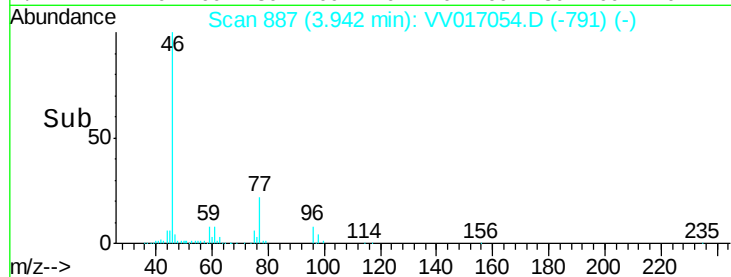
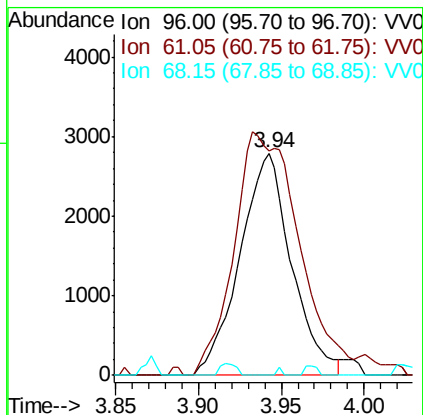
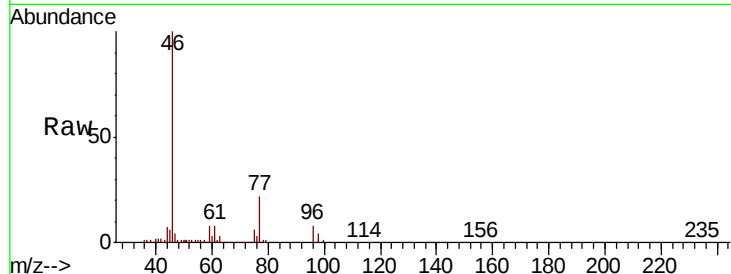


#22

cis-1,2-Dichloroethene
 Concen: 0.486 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV017054.D
 Acq: 23 Jun 2020 14:35

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXH2DL

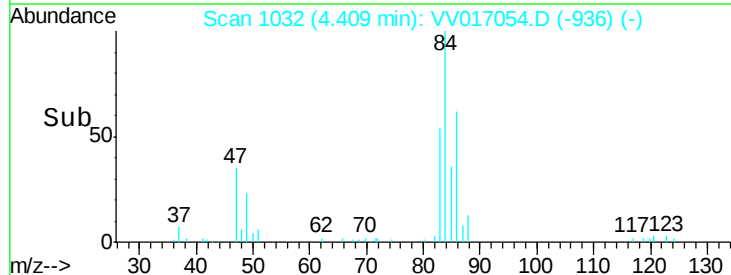
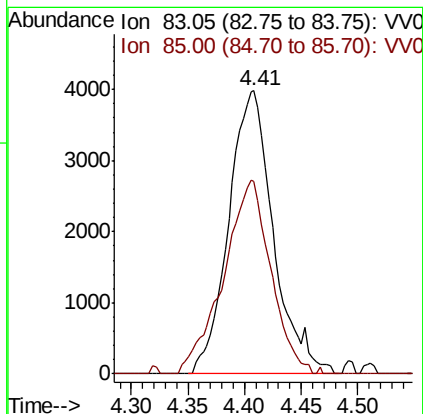
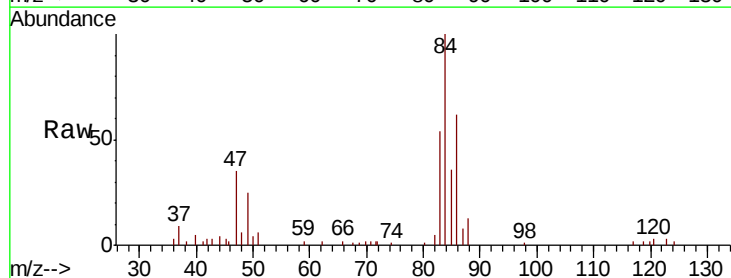
Tot Ion: 96 Resp: 6037
 Ion Ratio Lower Upper
 96 100
 61 100.9 91.0 169.0
 68 0.0 0.0 0.0

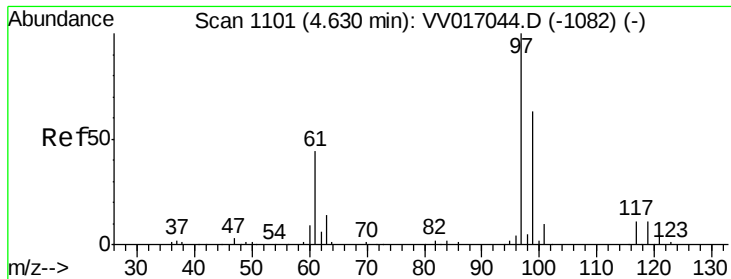


#25

Chloroform
 Concen: 0.492 ug/L
 RT: 4.41 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: VV017054.D
 Acq: 23 Jun 2020 14:35

Tgt Ion: 83 Resp: 10970
 Ion Ratio Lower Upper
 83 100
 85 67.9 44.2 82.2

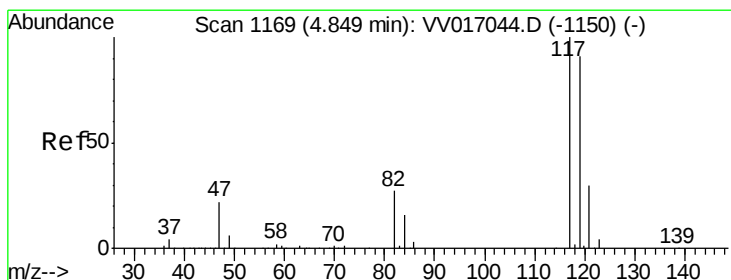
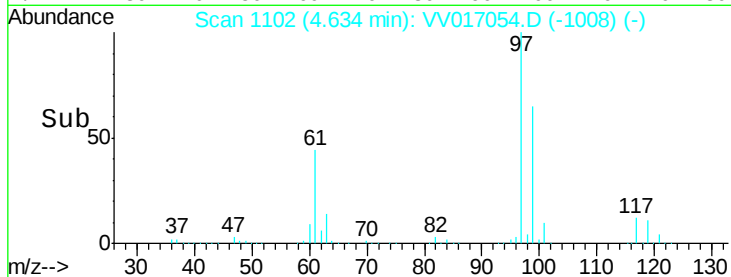
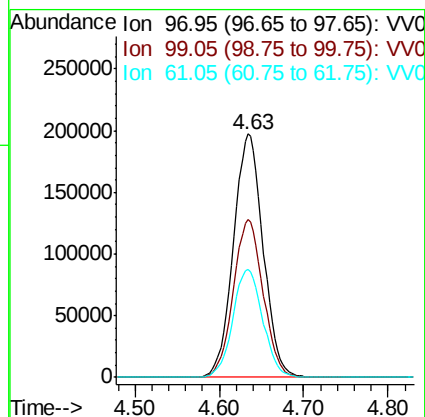
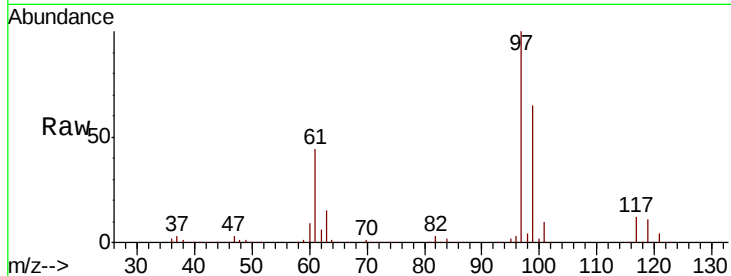




#29
 1,1,1-Trichloroethane
 Concen: 23.014 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV017054.D
 Acq: 23 Jun 2020 14:35

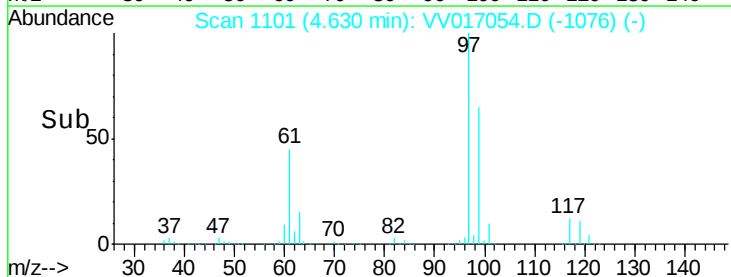
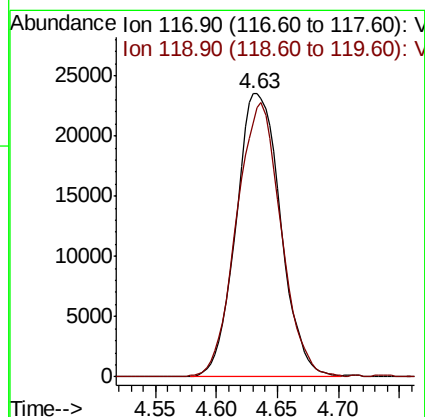
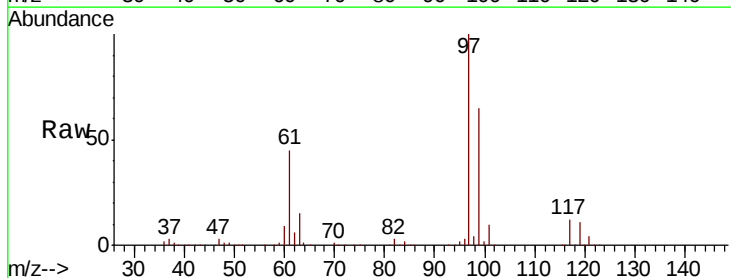
Instrument :
 MSVOA_V
 ClientSampled :
 BFXH2DL

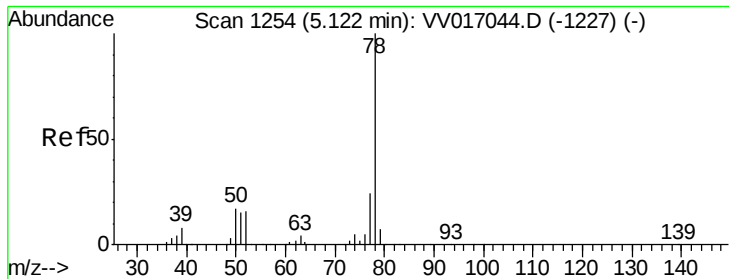
Tot Ion: 97 Resp: 482870
 Ion Ratio Lower Upper
 97 100
 99 65.1 50.3 75.5
 61 44.6 36.0 54.0



#31
 Carbon tetrachloride
 Concen: 3.141 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. -0.22 min
 Lab File: VV017054.D
 Acq: 23 Jun 2020 14:35

Tgt Ion: 117 Resp: 59472
 Ion Ratio Lower Upper
 117 100
 119 96.5 77.8 116.8





#33

Benzene

Concen: 0.091 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV017054.D

Acq: 23 Jun 2020 14:35

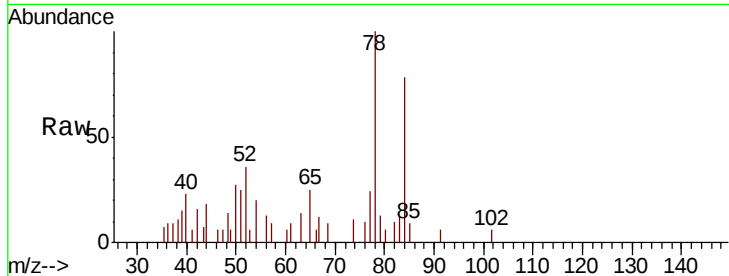
Instrument :

MSVOA_V

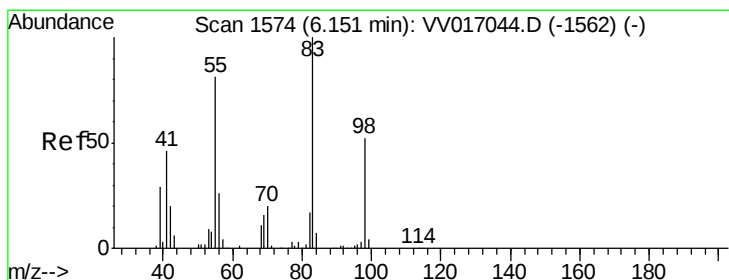
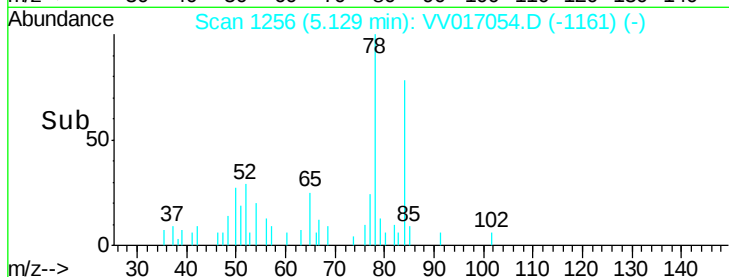
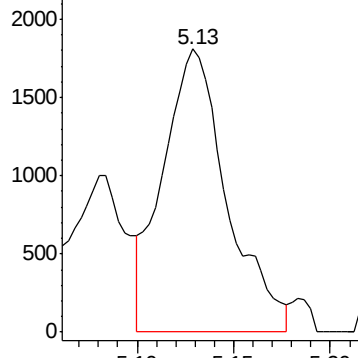
ClientSampleId :

BFXH2DL

Tgt Ion: 78 Resp: 4178



Abundance Ion 78.10 (77.80 to 78.80): VV0



#35

Methylcyclohexane

Concen: 0.795 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV017054.D

Acq: 23 Jun 2020 14:35

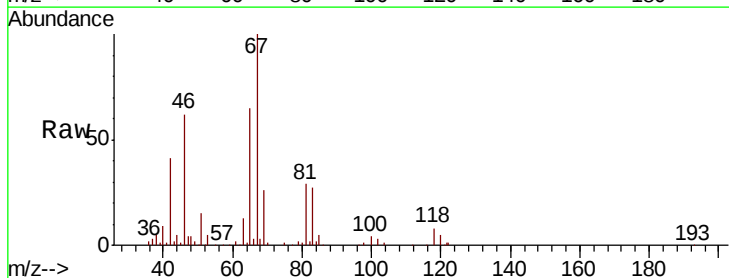
Tgt Ion: 83 Resp: 16593

Ion Ratio Lower Upper

83 100

55 2.0 63.6 95.4#

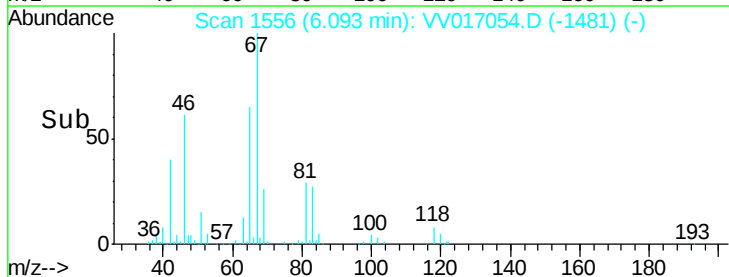
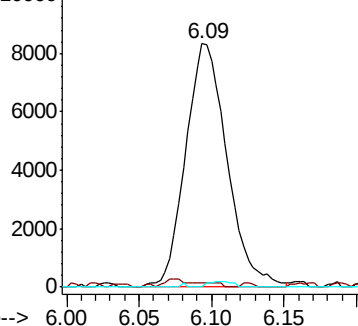
98 1.3 38.8 58.2#

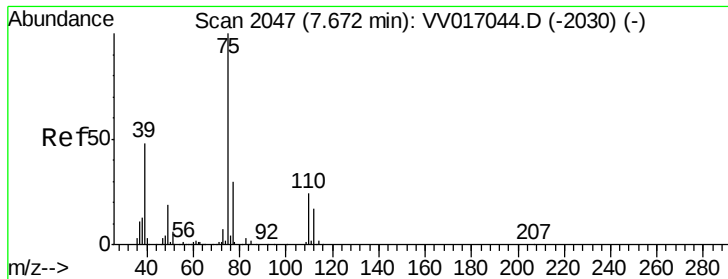


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#46

trans-1,3-Dichloropropene

Concen: 0.114 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV017054.D

Acq: 23 Jun 2020 14:35

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ClientSampleId :

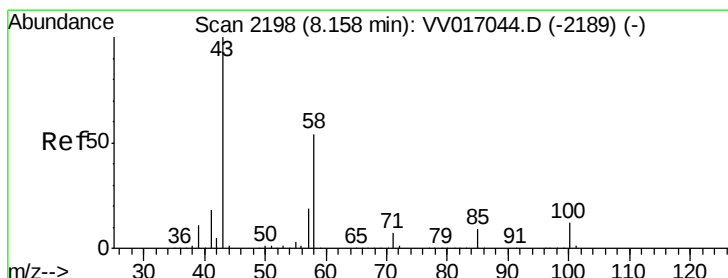
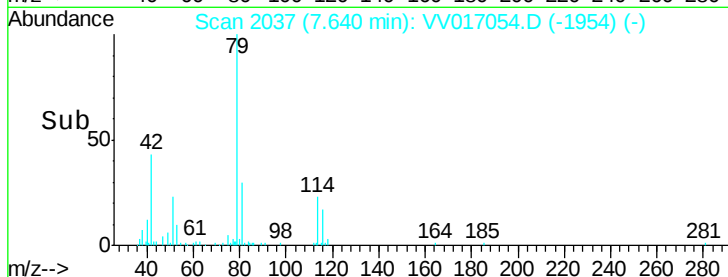
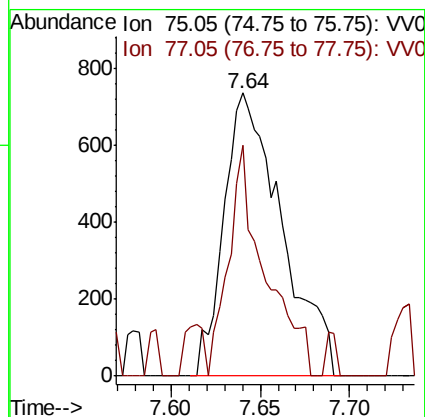
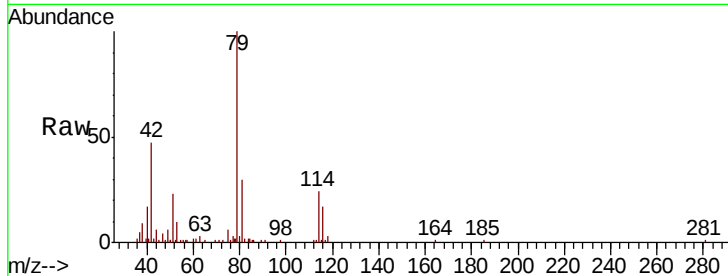
BFXH2DL

Tot Ion: 75 Resp: 1662

Ion Ratio Lower Upper

75 100

77 81.8 22.3 41.3#



#50

2-Hexanone

Concen: 1.961 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV017054.D

Acq: 23 Jun 2020 14:35

Tgt Ion: 43 Resp: 9150

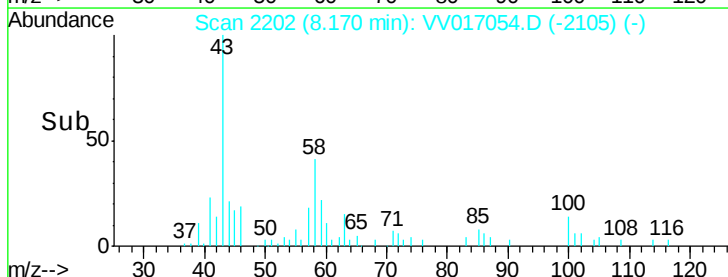
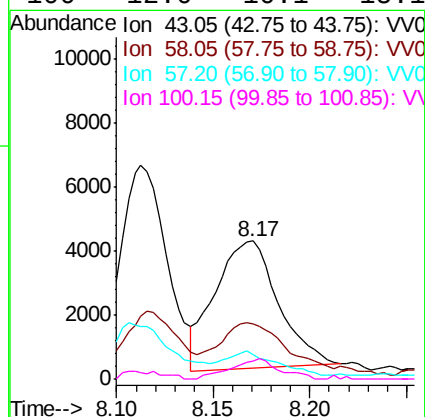
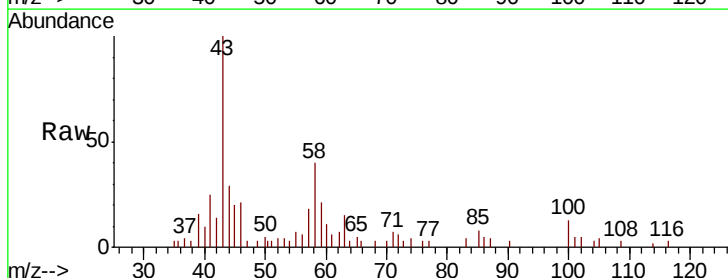
Ion Ratio Lower Upper

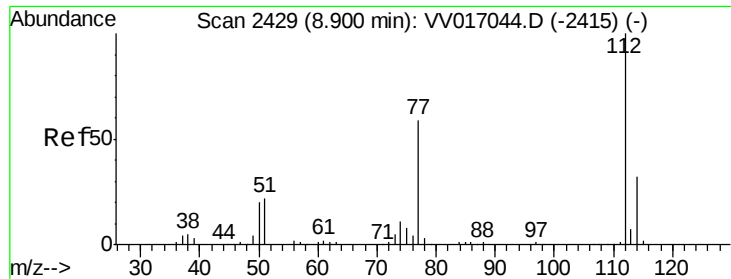
43 100

58 38.2 41.6 62.4#

57 16.0 15.4 23.0

100 12.0 10.1 15.1





#53
 Chlorobenzene
 Concen: 0.051 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017054.D
 Acq: 23 Jun 2020 14:35

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXH2DL

Tot Ion	Ratio	Lower	Upper
112	100		
114	24.6	22.0	41.0
77	69.9	46.0	69.0

