

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062520\
 Data File : VV017138.D
 Acq On : 25 Jun 2020 19:35
 Operator : SY/MD
 Sample : L3106-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXN0

Quant Time: Jun 26 01:38:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 01:31:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	161259	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	158460	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	70937	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52732	5.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.00%
7) Chloroethane-d5	1.58	69	41001	5.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.60%
11) 1,1-Dichloroethene-d2	2.13	63	76748	4.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.40%
20) 2-Butanone-d5	3.94	46	124624	50.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.04%
24) Chloroform-d	4.38	84	110493	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
26) 1,2-Dichloroethane-d4	5.06	65	59527	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.08	84	207813	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.09	67	61362	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.34	98	178259	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
45) trans-1,3-Dichloropropene-	7.64	79	23401	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
48) 2-Hexanone-d5	8.11	63	90374	46.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.54%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	40089	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	72078	5.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.00%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	1851	0.175 ug/L #	27
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	759	0.089 ug/L #	21
13) Acetone	2.22	43	10483	8.407 ug/L	73
19) 1,1-Dichloroethane	3.21	63	6547	0.355 ug/L	95
21) 2-Butanone	4.11	43	928020	394.818 ug/L #	50
22) cis-1,2-Dichloroethene	3.94	96	31813	2.837 ug/L	95
25) Chloroform	4.41	83	11124	0.553 ug/L	92
27) 1,2-Dichloroethane	5.17	62	552	0.044 ug/L #	76
30) Cyclohexane	4.70	56	7583	0.420 ug/L	95
34) Trichloroethene	5.94	95	6526	0.537 ug/L	92
35) Methylcyclohexane	6.10	83	15440	0.817 ug/L #	19
37) 1,2-Dichloropropane	6.10	63	7878	0.767 ug/L #	87
46) trans-1,3-Dichloropropene	7.64	75	1290	0.098 ug/L	92
50) 2-Hexanone	8.11	43	11857	2.809 ug/L #	71
71) 1,2,3-Trichlorobenzene	13.77	180	14012	1.216 ug/L	99

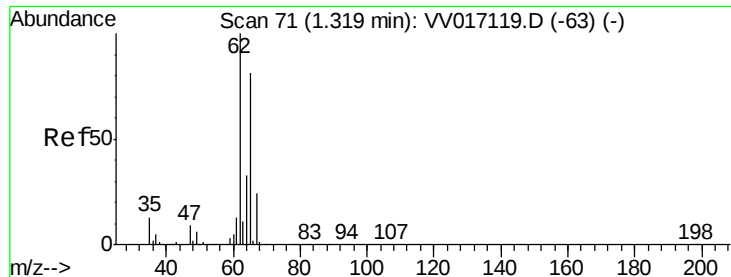
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062520\
Data File : VV017138.D
Acq On : 25 Jun 2020 19:35
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Quant Time: Jun 26 01:38:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 26 01:31:34 2020
Response via : Initial Calibration

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

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



#5

Vinyl chloride

Concen: 0.175 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017138.D

Acq: 25 Jun 2020 19:35

Instrument :

MSVOA_V

ClientSampleId :

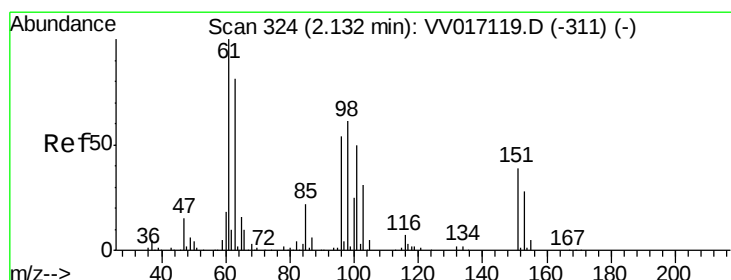
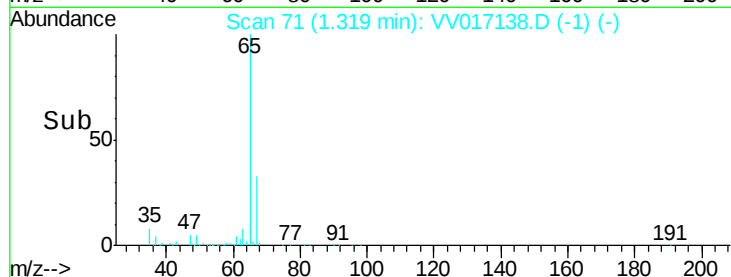
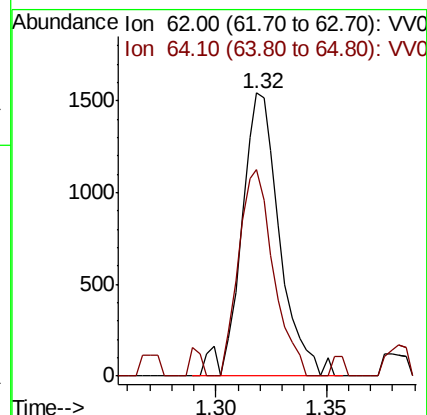
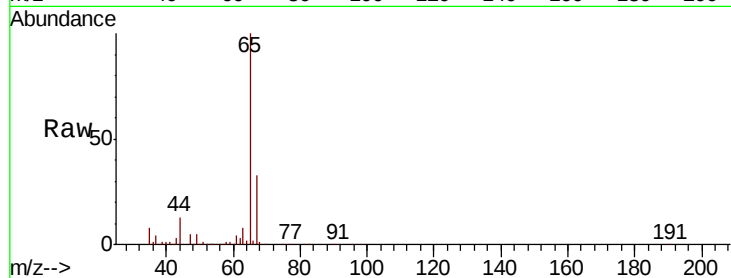
BFXN0

Tot Ion: 62 Resp: 1851

Ion Ratio Lower Upper

62 100

64 73.0 22.5 41.7#



#10

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

Concen: 0.089 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017138.D

Acq: 25 Jun 2020 19:35

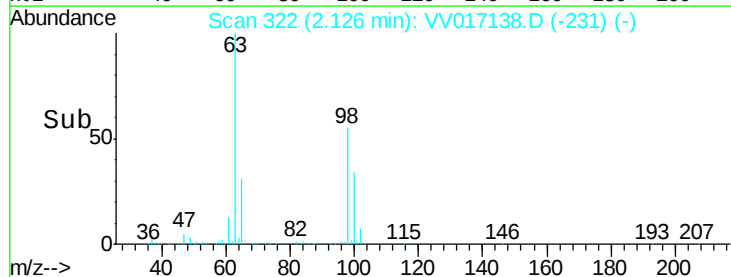
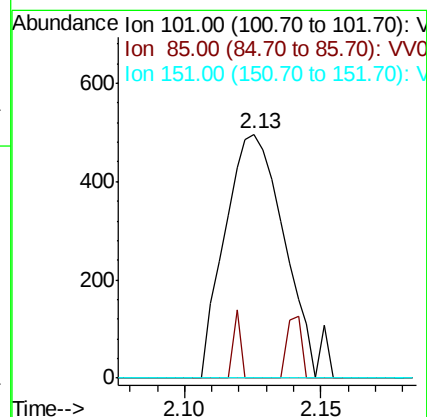
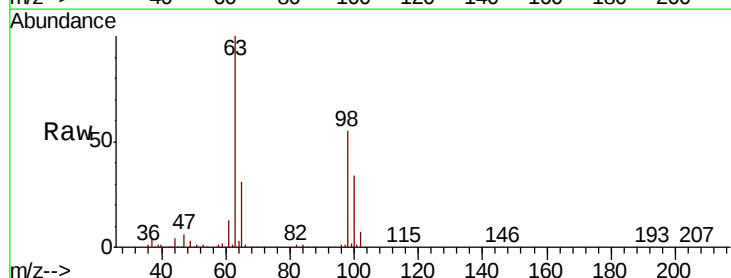
Tgt Ion: 101 Resp: 759

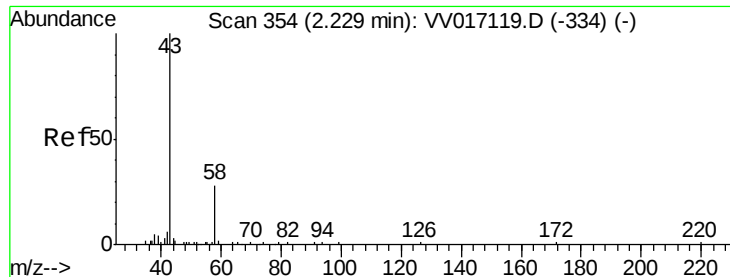
Ion Ratio Lower Upper

101 100

85 3.6 35.4 53.2#

151 2.6 63.9 95.9#





#13

Acetone

Concen: 8.407 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

Lab File: VV017138.D

Acq: 25 Jun 2020 19:35

Instrument :

MSVOA_V

ClientSampleId :

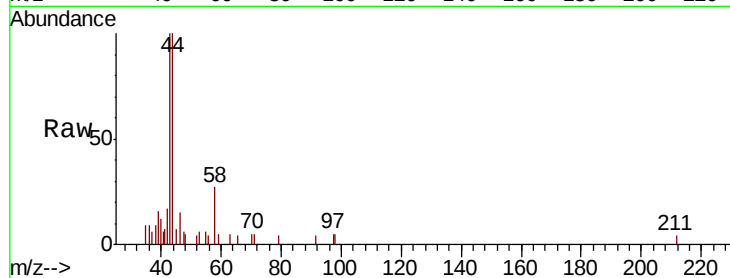
BFXN0

Tot Ion: 43 Resp: 10483

Ion Ratio Lower Upper

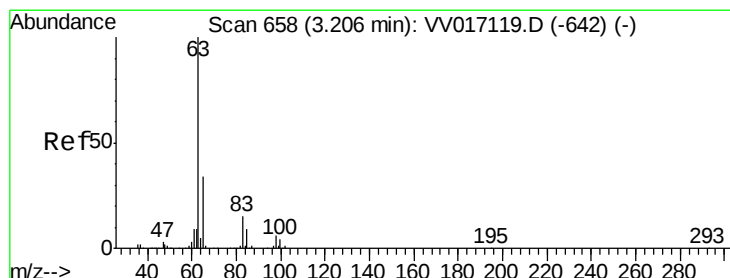
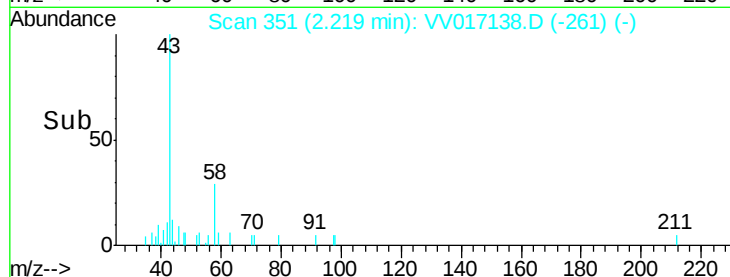
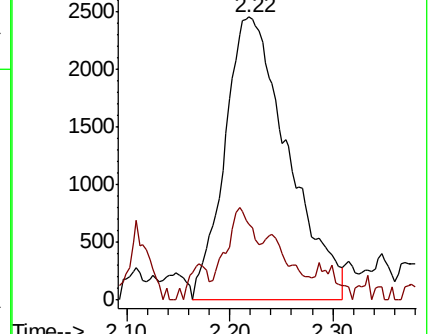
43 100

58 14.7 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#19

1,1-Dichloroethane

Concen: 0.355 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.01 min

Lab File: VV017138.D

Acq: 25 Jun 2020 19:35

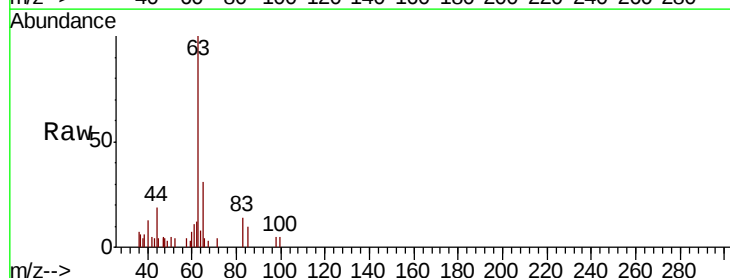
Tgt Ion: 63 Resp: 6547

Ion Ratio Lower Upper

63 100

65 35.1 21.8 40.4

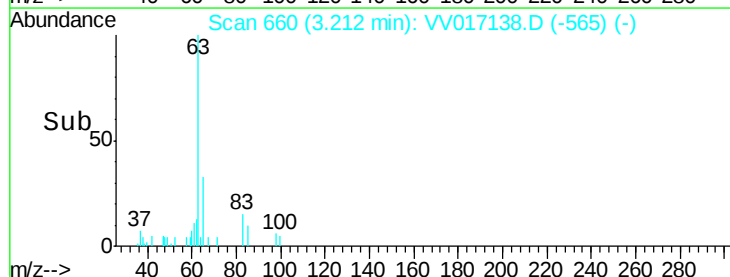
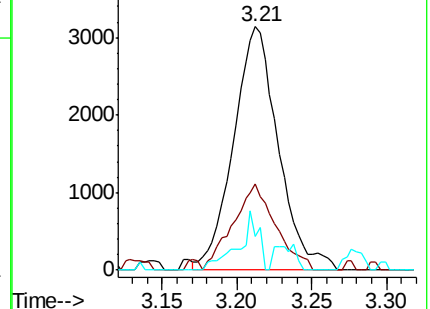
83 14.1 9.7 17.9

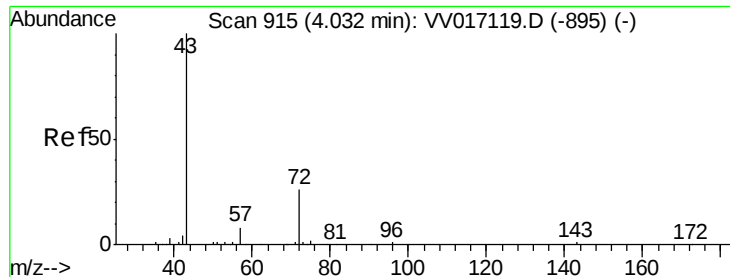


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0





#21

2-Butanone

Concen: 394.818 ug/L

RT: 4.11 min Scan# 938

Delta R.T. 0.07 min

Lab File: VV017138.D

Acq: 25 Jun 2020 19:35

Instrument :

MSVOA_V

ClientSampleId :

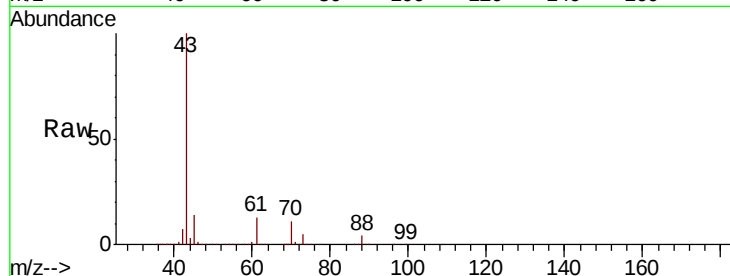
BFXN0

Tot Ion: 43 Resp: 928020

Ion Ratio Lower Upper

43 100

72 0.0 12.4 37.4#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0

4.11

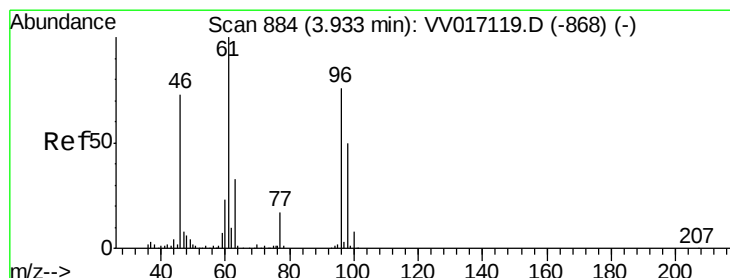
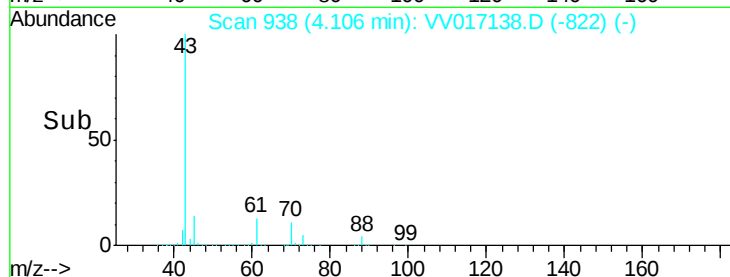
300000

200000

100000

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 2.837 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV017138.D

Acq: 25 Jun 2020 19:35

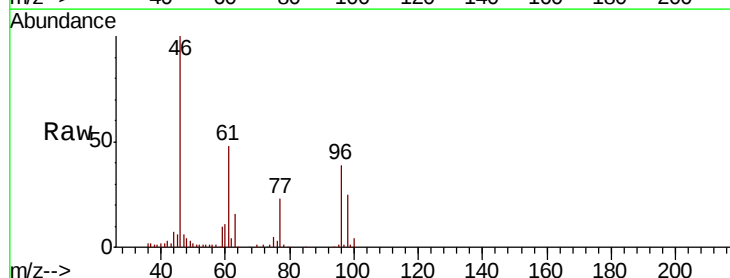
Tgt Ion: 96 Resp: 31813

Ion Ratio Lower Upper

96 100

61 123.8 91.0 169.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

40000

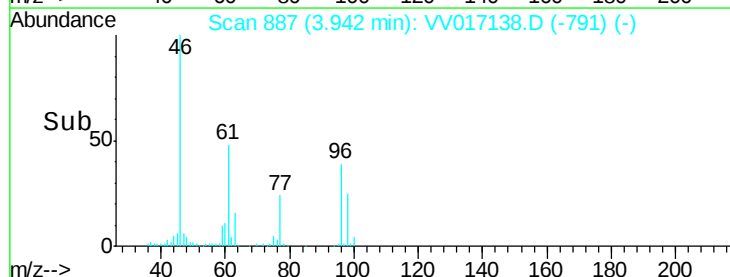
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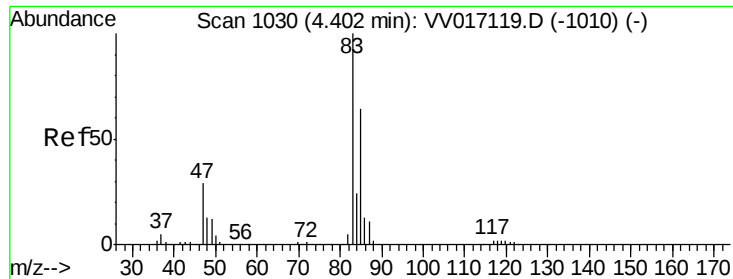
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10000

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Time-->

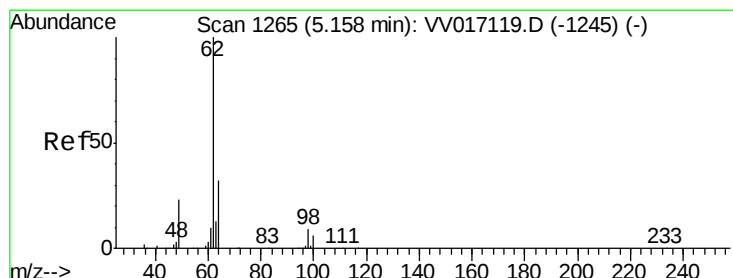
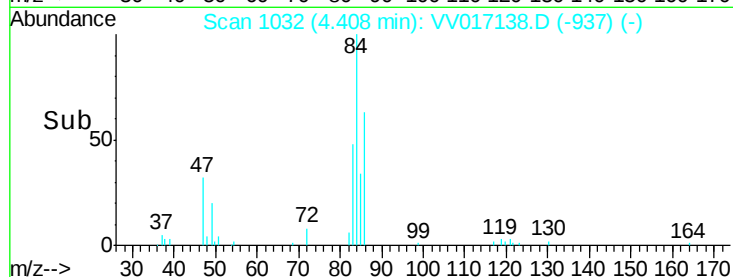
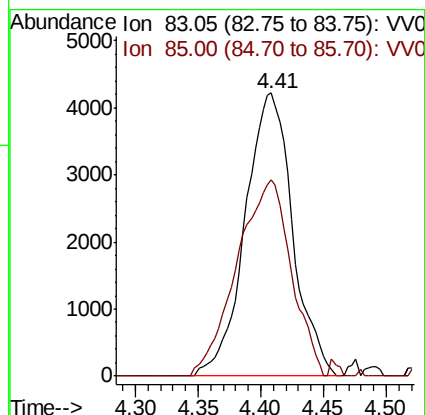
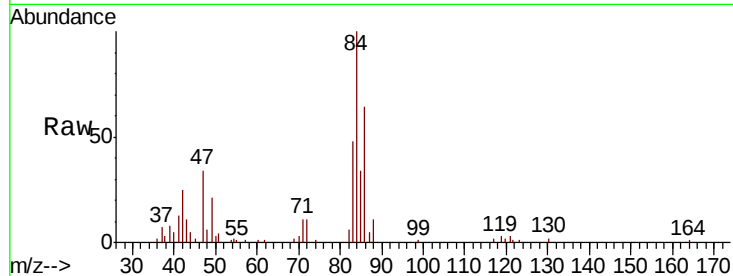




#25
Chloroform
Concen: 0.553 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV017138.D
Acq: 25 Jun 2020 19:35

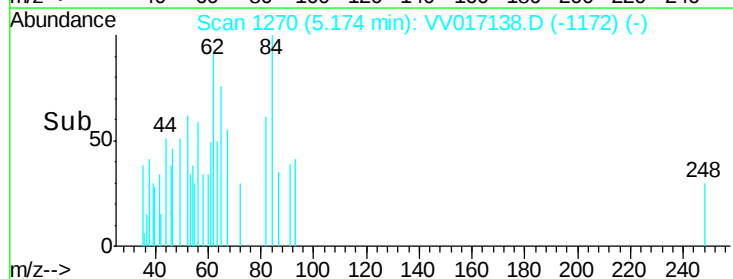
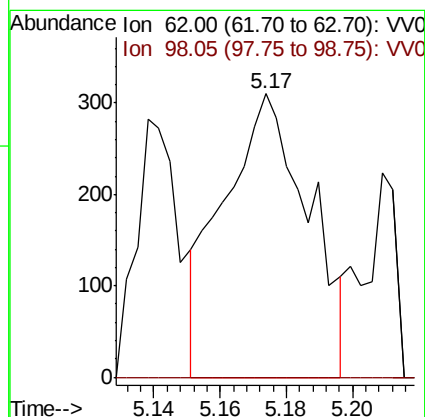
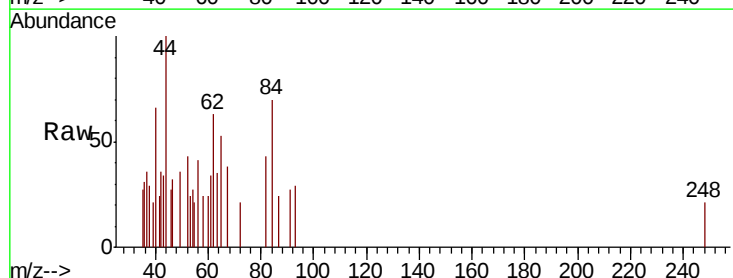
Instrument :
MSVOA_V
ClientSampleId :
BFXN0

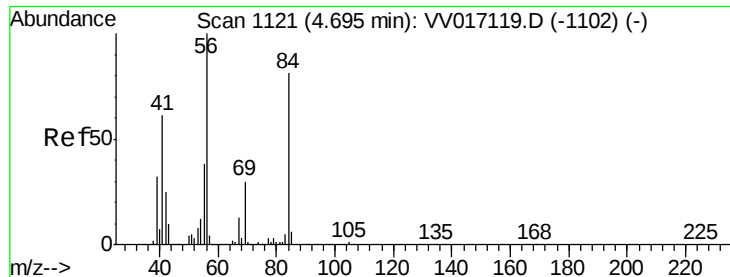
Tot Ion: 83 Resp: 11124
Ion Ratio Lower Upper
83 100
85 69.5 44.2 82.2



#27
1,2-Dichloroethane
Concen: 0.044 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. 0.02 min
Lab File: VV017138.D
Acq: 25 Jun 2020 19:35

Tgt Ion: 62 Resp: 552
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#

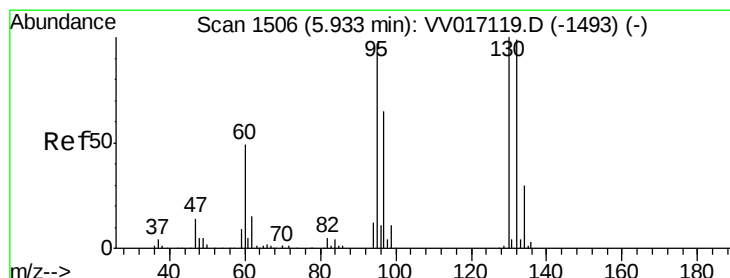
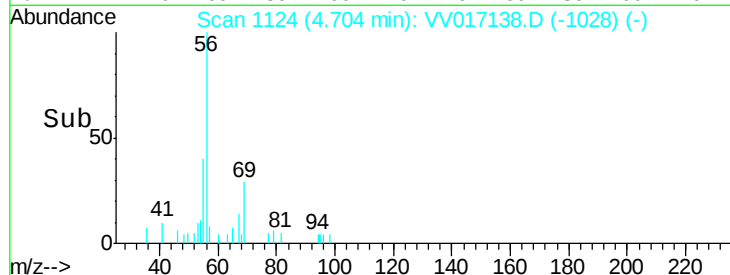
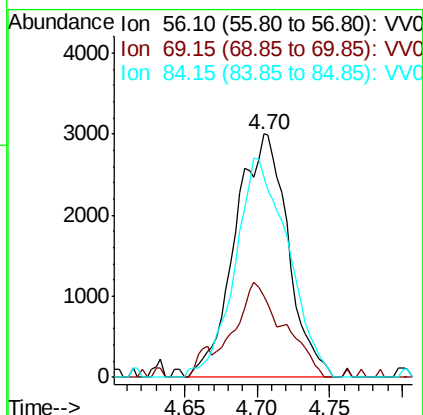
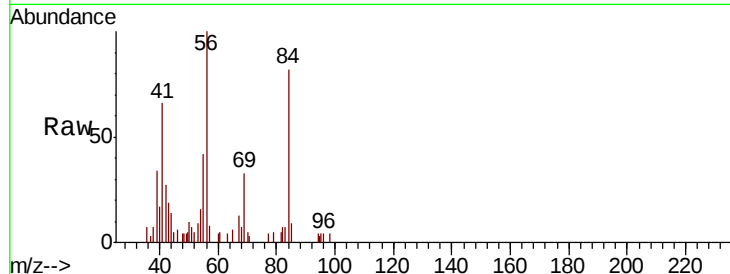




#30
Cvclohexane
Concen: 0.420 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VV017138.D
Acq: 25 Jun 2020 19:35

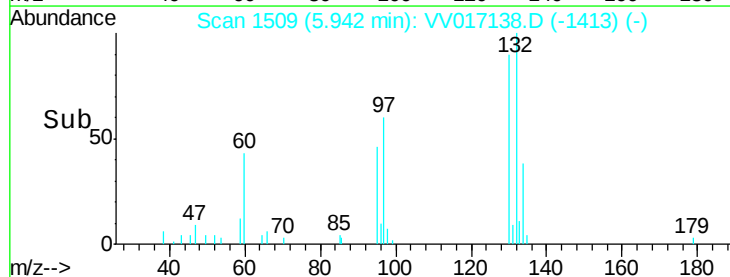
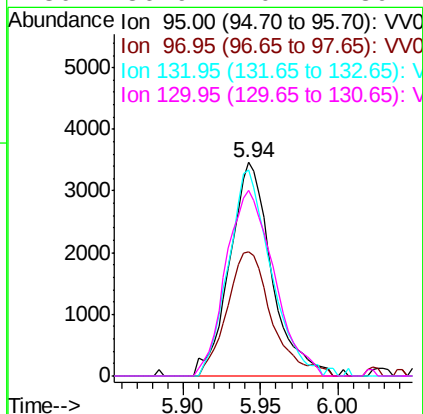
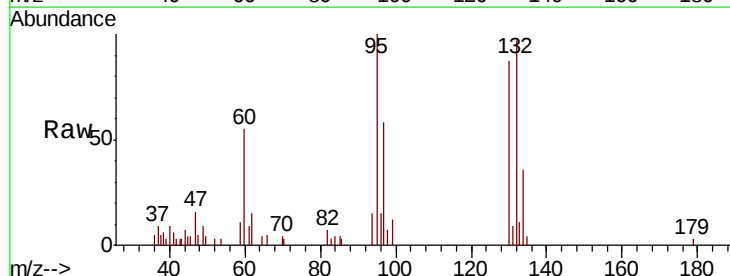
Instrument :
MSVOA_V
ClientSampleId :
BFXN0

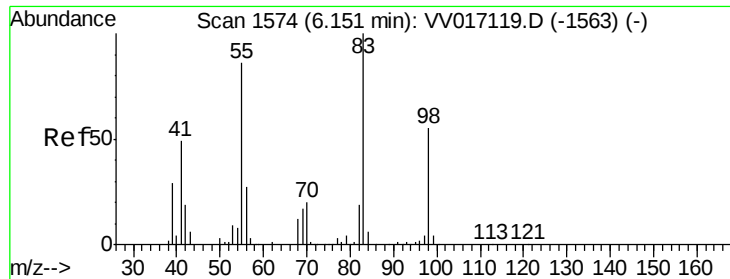
Tot Ion: 56 Resp: 7583
Ion Ratio Lower Upper
56 100
69 35.8 24.4 36.6
84 90.8 69.9 104.9



#34
Trichloroethene
Concen: 0.537 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV017138.D
Acq: 25 Jun 2020 19:35

Tgt Ion: 95 Resp: 6526
Ion Ratio Lower Upper
95 100
97 58.3 45.3 84.1
132 96.7 68.8 127.8
130 86.9 70.2 130.4

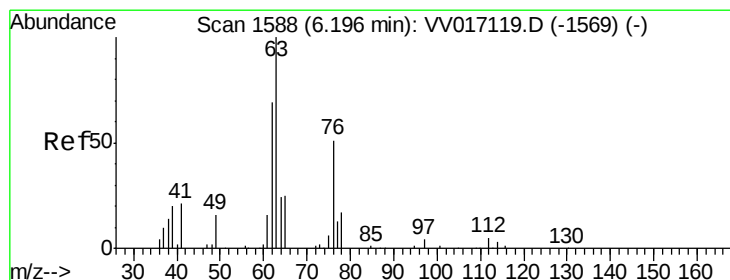
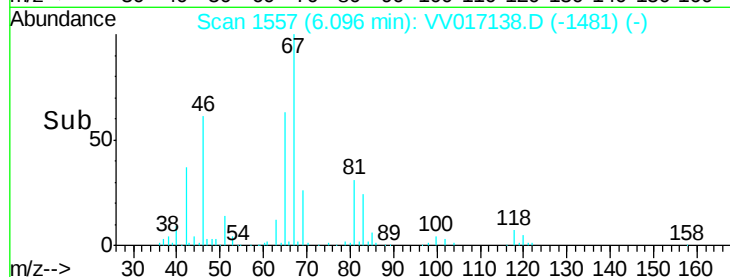
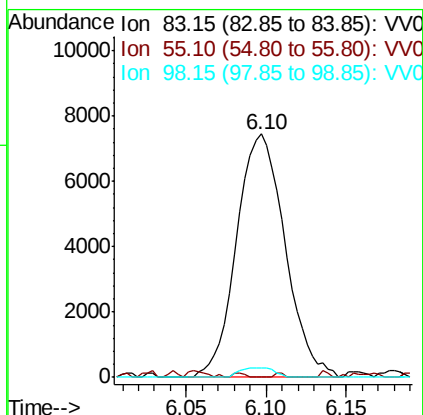
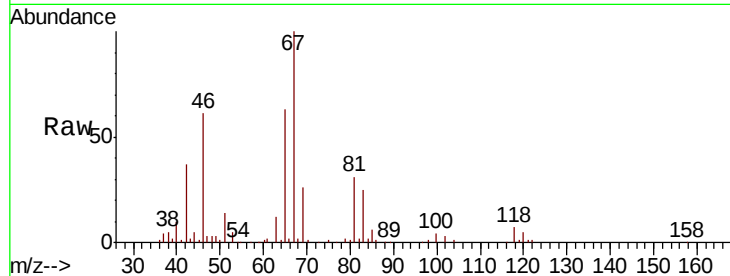




#35
Methvlcvclohexane
Concen: 0.817 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017138.D
Acq: 25 Jun 2020 19:35

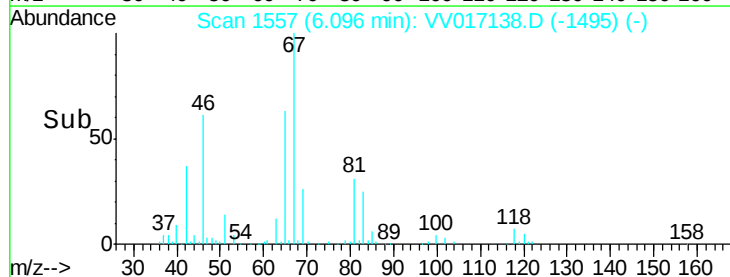
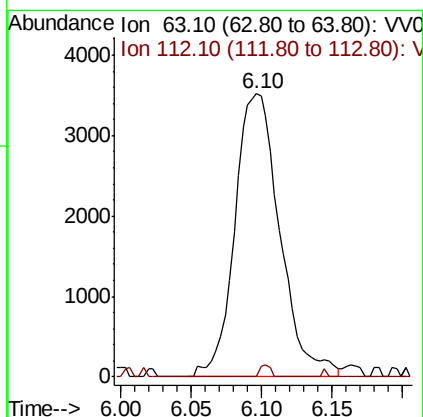
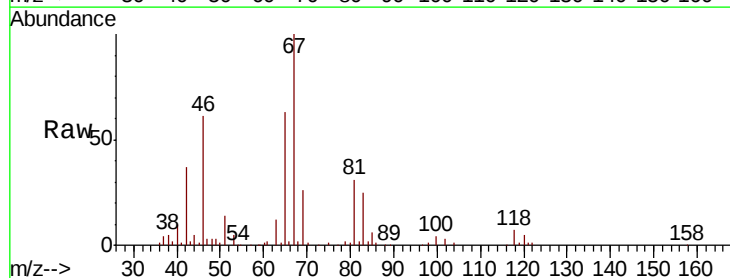
Instrument :
MSVOA_V
ClientSampleId :
BFXN0

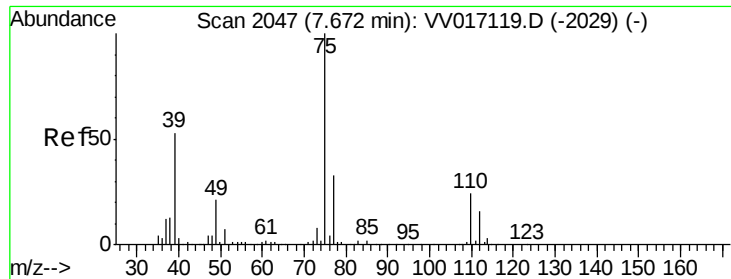
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Ion Ratio Lower Upper
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55 0.3 63.6 95.4#
98 2.8 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.767 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV017138.D
Acq: 25 Jun 2020 19:35

Tgt Ion: 63 Resp: 7878
Ion Ratio Lower Upper
63 100
112 1.0 4.4 6.6#

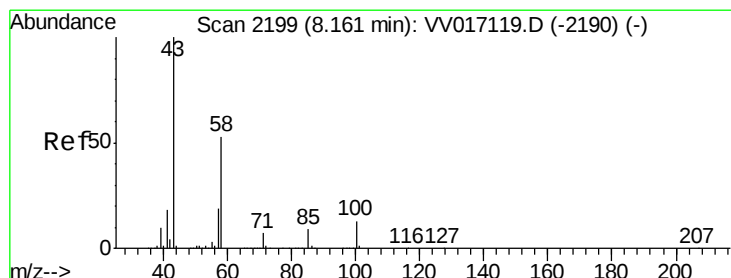
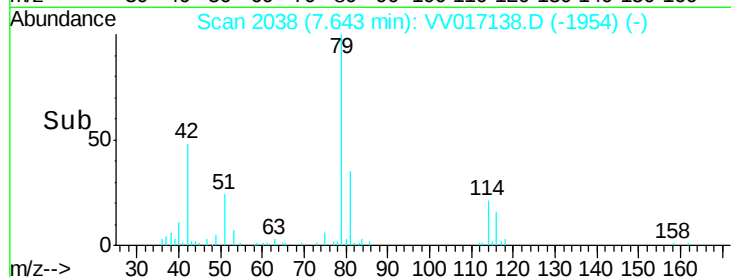
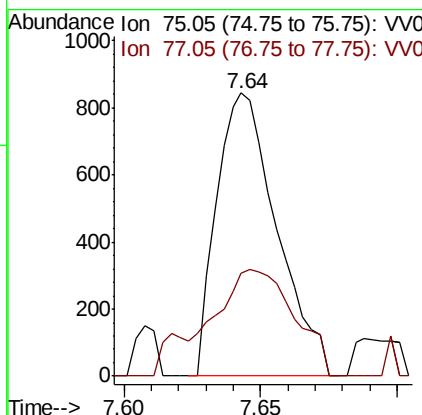
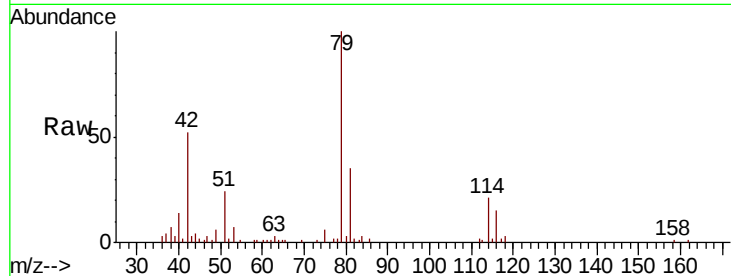




#46
trans-1,3-Dichloropropene
Concen: 0.098 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV017138.D
Acq: 25 Jun 2020 19:35

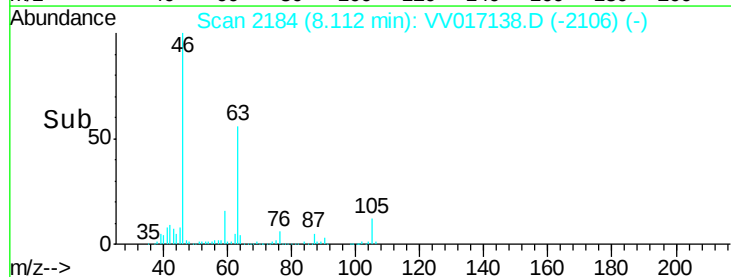
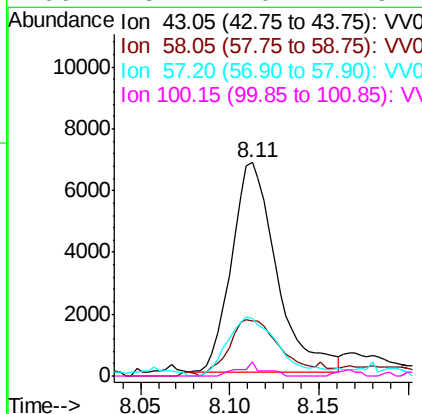
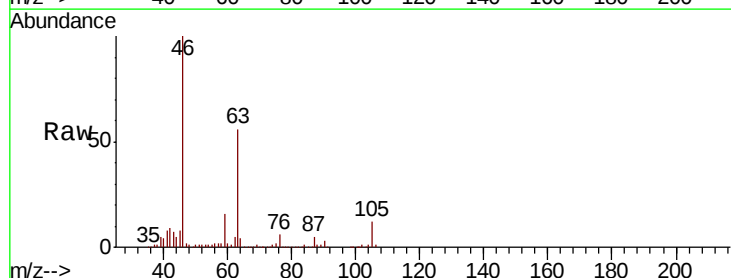
Instrument :
MSVOA_V
ClientSampleId :
BFXN0

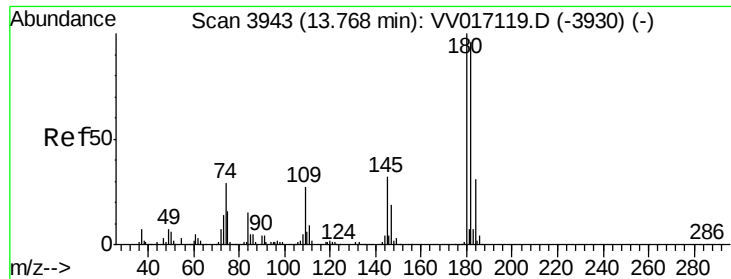
Tot Ion: 75 Resp: 1290
Ion Ratio Lower Upper
75 100
77 36.2 22.3 41.3



#50
2-Hexanone
Concen: 2.809 ug/L
RT: 8.11 min Scan# 2184
Delta R.T. -0.05 min
Lab File: VV017138.D
Acq: 25 Jun 2020 19:35

Tgt Ion: 43 Resp: 11857
Ion Ratio Lower Upper
43 100
58 30.1 41.6 62.4#
57 32.1 15.4 23.0#
100 3.4 10.1 15.1#





#71
 1,2,3-Trichlorobenzene
 Concen: 1.216 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV017138.D
 Acq: 25 Jun 2020 19:35

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXN0

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.4	116.0
145	33.4	25.9	38.9

