

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062520\
 Data File : VV017140.D
 Acq On : 25 Jun 2020 20:23
 Operator : SY/MD
 Sample : L3106-10
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXN2

Quant Time: Jun 26 01:38:35 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	171451	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	169154	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	76922	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49628	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	1.58	69	39148	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	2.13	63	74135	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.80%
20) 2-Butanone-d5	3.94	46	118695	45.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.52%
24) Chloroform-d	4.38	84	103353	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.06	65	56001	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.07	84	194665	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.09	67	57389	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.40%
41) Toluene-d8	7.34	98	170033	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
45) trans-1,3-Dichloropropene-	7.64	79	22577	4.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.60%
48) 2-Hexanone-d5	8.11	63	85014	40.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.56%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	37085	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	66974	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	8740	0.754	ug/L 99
5) Vinyl chloride	1.32	62	12465	1.108	ug/L 94
8) Chloroethane	1.32	64	4271	0.687	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	926	0.102	ug/L # 20
12) 1,1-Dichloroethene	2.14	96	6520	0.792	ug/L # 1
13) Acetone	2.23	43	6880	5.190	ug/L 63
18) trans-1,2-Dichloroethene	2.78	96	2035	0.233	ug/L 74
19) 1,1-Dichloroethane	3.21	63	149290	7.620	ug/L 99
21) 2-Butanone	4.11	43	411018	164.469	ug/L # 50
22) cis-1,2-Dichloroethene	3.94	96	14167	1.188	ug/L 98
25) Chloroform	4.41	83	10280	0.480	ug/L 96
27) 1,2-Dichloroethane	5.16	62	46828	3.522	ug/L 99
30) Cyclohexane	4.70	56	5630	0.292	ug/L 96
34) Trichloroethene	5.94	95	2253	0.174	ug/L # 77
35) Methylcyclohexane	6.10	83	15448	0.766	ug/L # 17
37) 1,2-Dichloropropane	6.09	63	7608	0.694	ug/L # 86
39) cis-1,3-Dichloropropene	7.01	75	1901	0.117	ug/L # 51

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MSVOA_V
ClientSampleId :
BFXN2

Quant Time: Jun 26 01:38:35 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

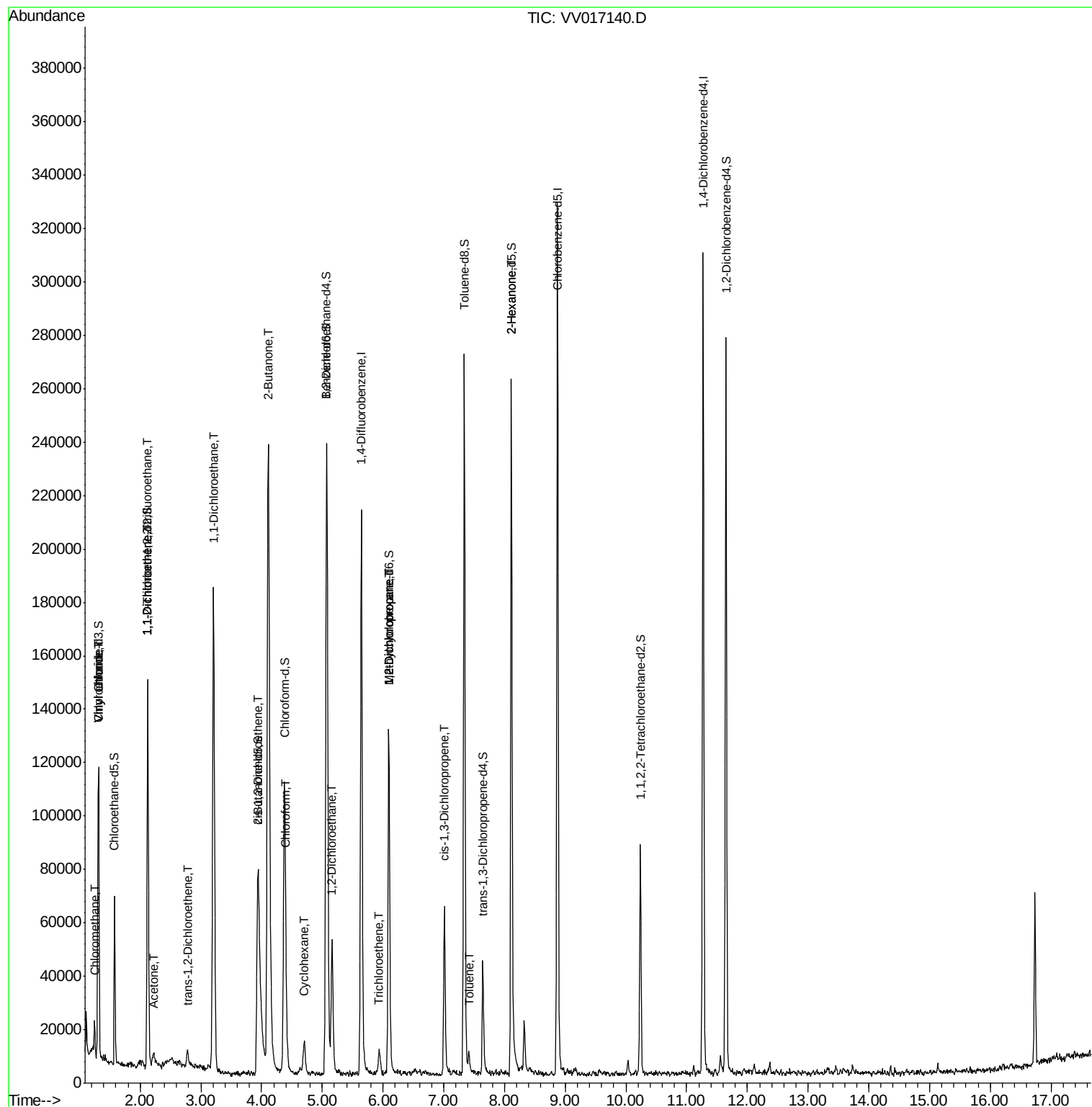
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	5423	0.105	ug/L	93
50) 2-Hexanone	8.11	43	11475	2.547	ug/L #	71

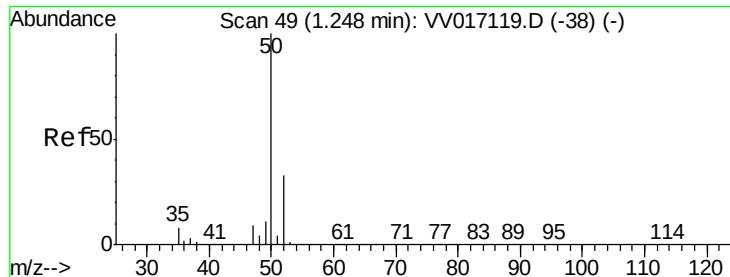
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV062520\
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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.754 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017140.D

Acq: 25 Jun 2020 20:23

Instrument :

MSVOA_V

ClientSampleId :

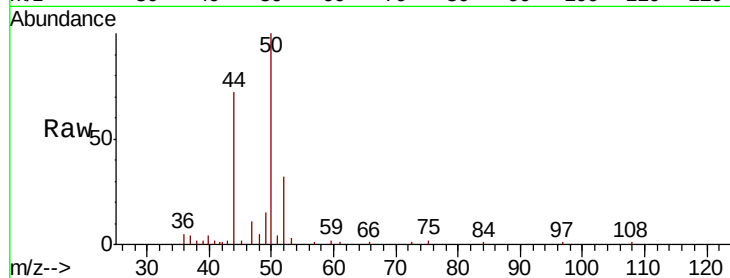
BFXN2

Tot Ion: 50 Resp: 8740

Ion Ratio Lower Upper

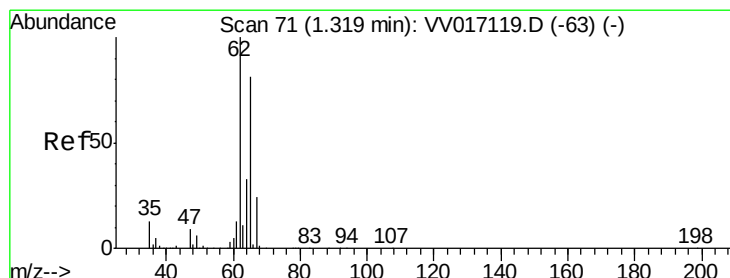
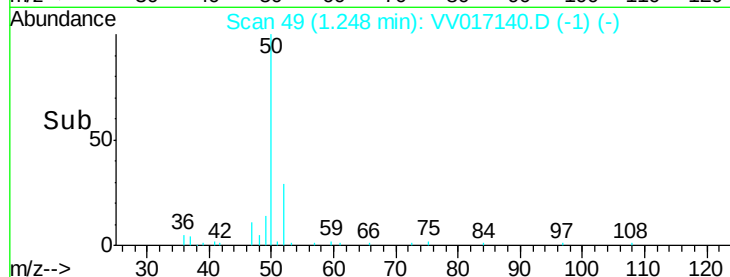
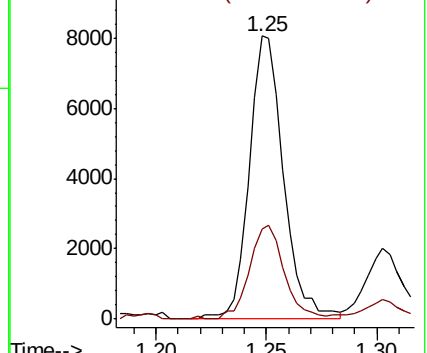
50 100

52 31.8 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 1.108 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017140.D

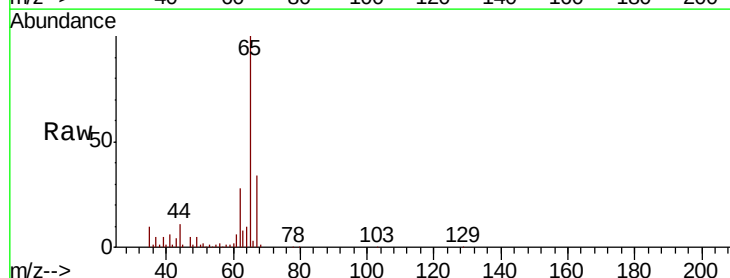
Acq: 25 Jun 2020 20:23

Tgt Ion: 62 Resp: 12465

Ion Ratio Lower Upper

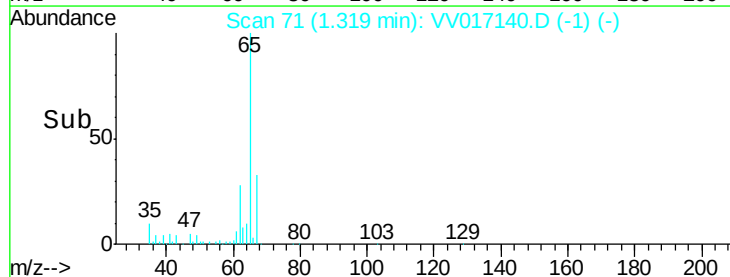
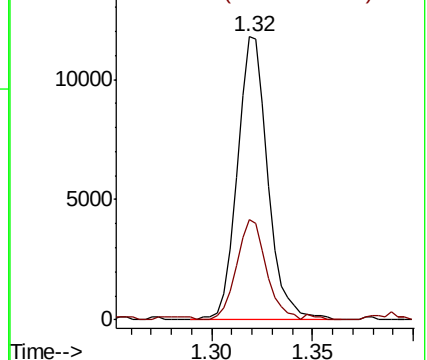
62 100

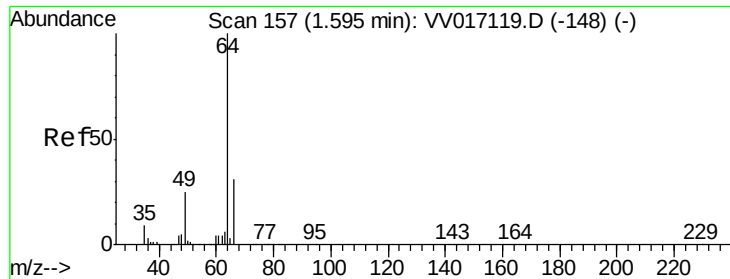
64 35.5 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#8

Chloroethane

Concen: 0.687 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV017140.D

Acq: 25 Jun 2020 20:23

Instrument :

MSVOA_V

ClientSampleId :

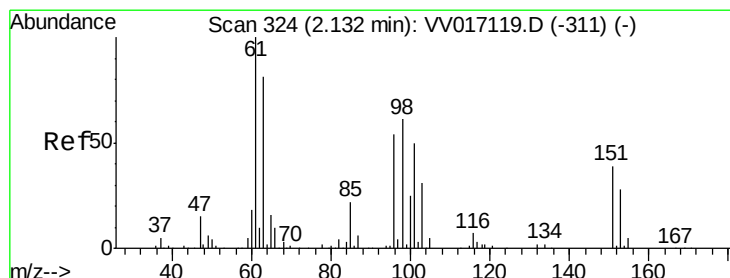
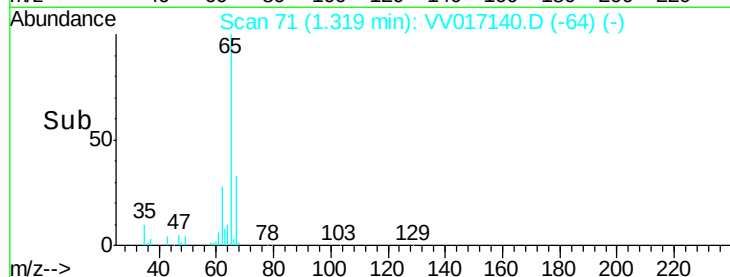
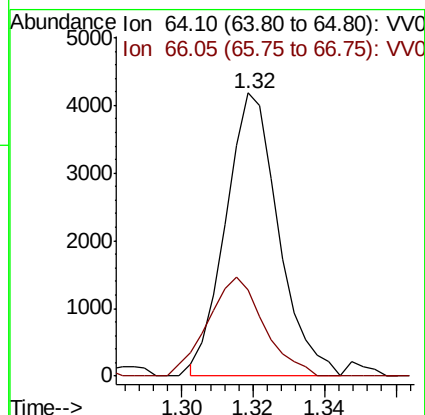
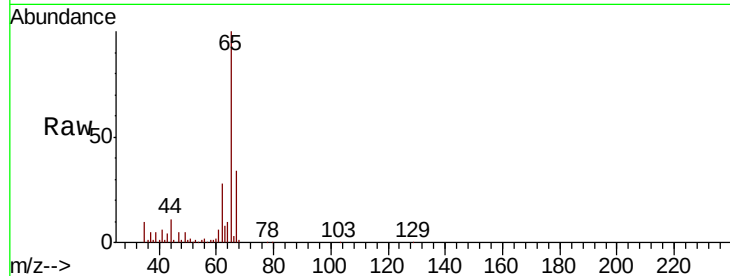
BFXN2

Tot Ion: 64 Resp: 4271

Ion Ratio Lower Upper

64 100

66 30.5 22.8 42.4



#10

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

Concen: 0.102 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017140.D

Acq: 25 Jun 2020 20:23

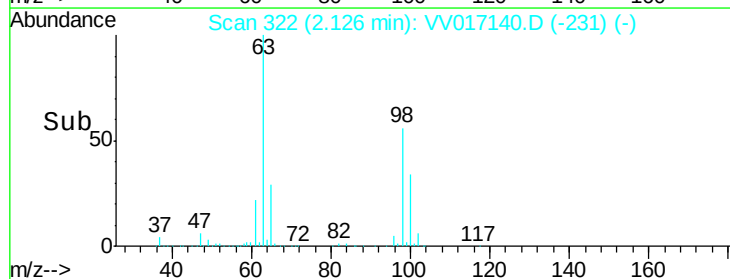
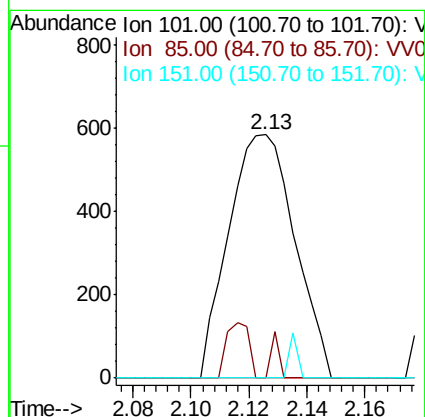
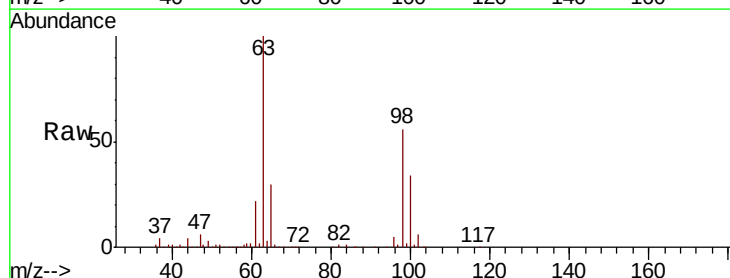
Tgt Ion: 101 Resp: 926

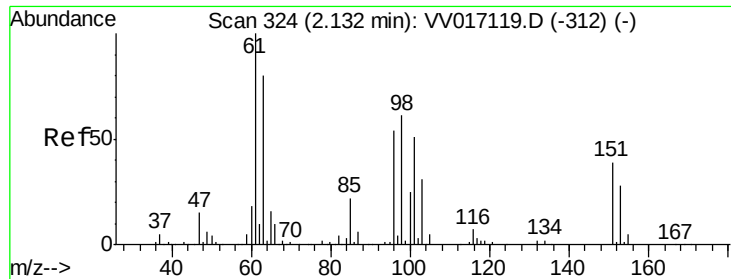
Ion Ratio Lower Upper

101 100

85 2.4 35.4 53.2#

151 2.3 63.9 95.9#

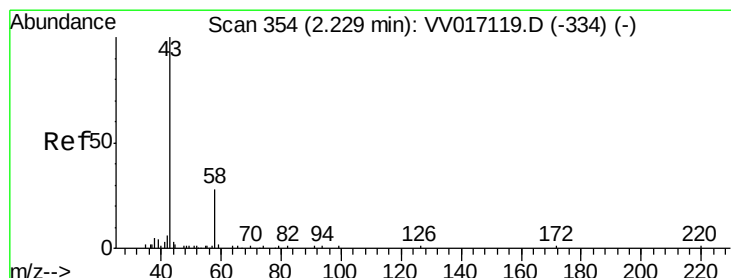
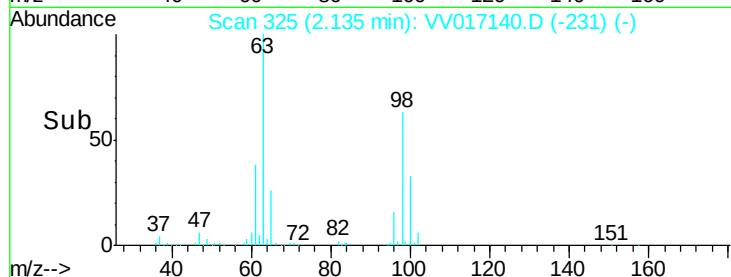
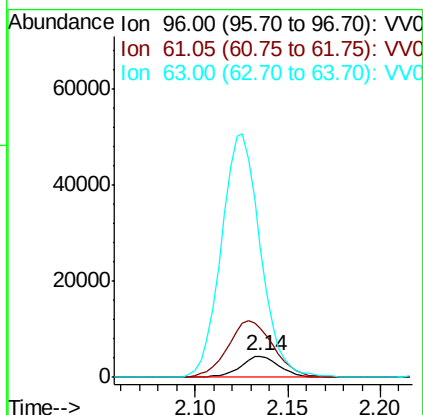
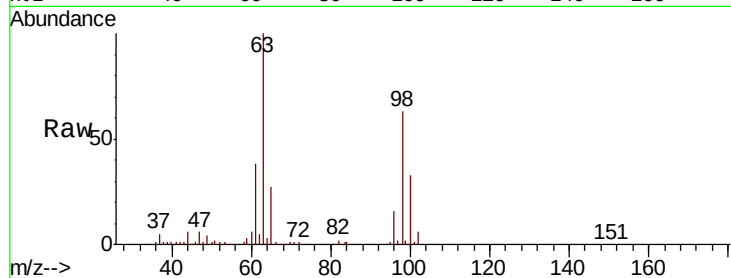




#12
 1,1-Dichloroethene
 Concen: 0.792 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VV017140.D
 Acq: 25 Jun 2020 20:23

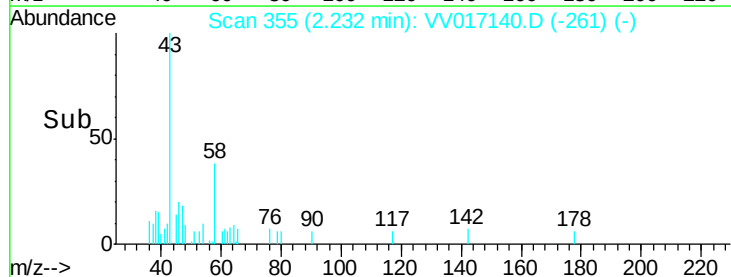
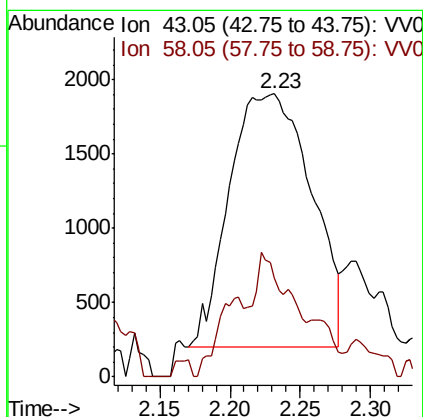
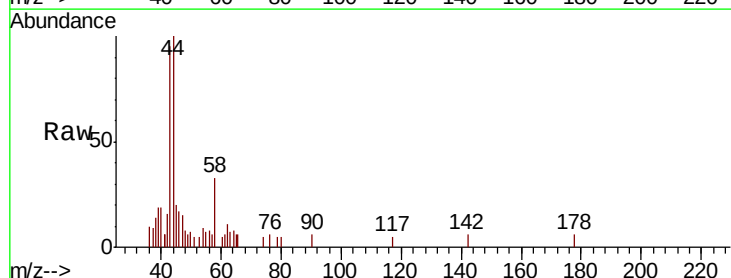
Instrument :
 MSVOA_V
 ClientSampled :
 BFXN2

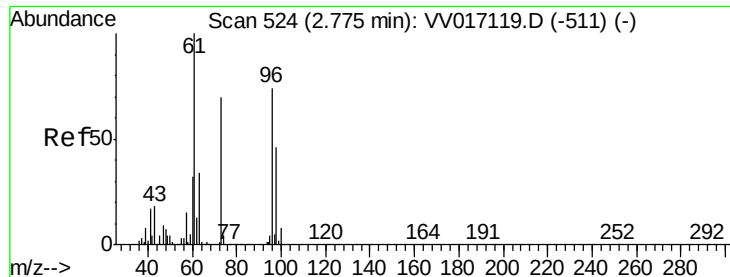
Tot Ion: 96 Resp: 6520
 Ion Ratio Lower Upper
 96 100
 61 232.1 125.0 232.2
 63 606.8 109.8 203.8#



#13
 Acetone
 Concen: 5.190 ug/L
 RT: 2.23 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VV017140.D
 Acq: 25 Jun 2020 20:23

Tgt Ion: 43 Resp: 6880
 Ion Ratio Lower Upper
 43 100
 58 9.5 0.0 58.4





#18

trans-1,2-Dichloroethene

Concen: 0.233 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV017140.D

Acq: 25 Jun 2020 20:23

Instrument :

MSVOA_V

ClientSampleId :

BFXN2

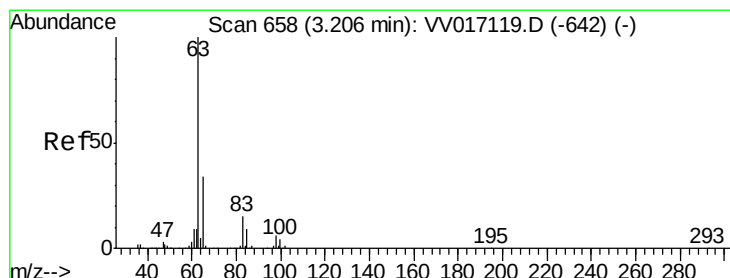
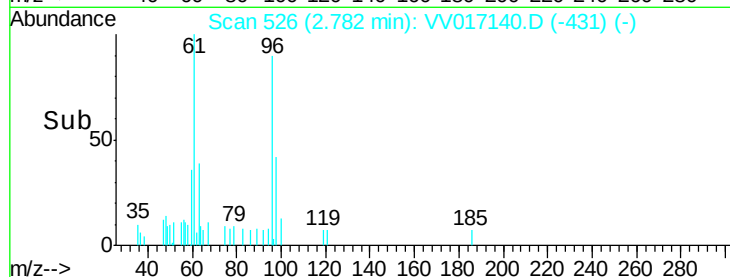
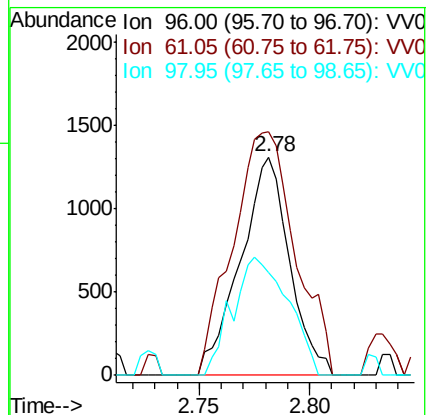
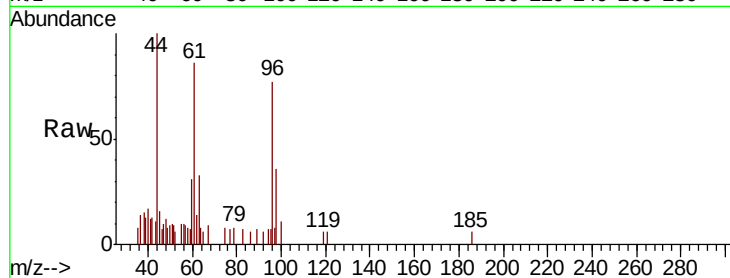
Tot Ion: 96 Resp: 2035

Ion Ratio Lower Upper

96 100

61 111.3 102.3 189.9

98 46.8 44.7 82.9



#19

1,1-Dichloroethane

Concen: 7.620 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.01 min

Lab File: VV017140.D

Acq: 25 Jun 2020 20:23

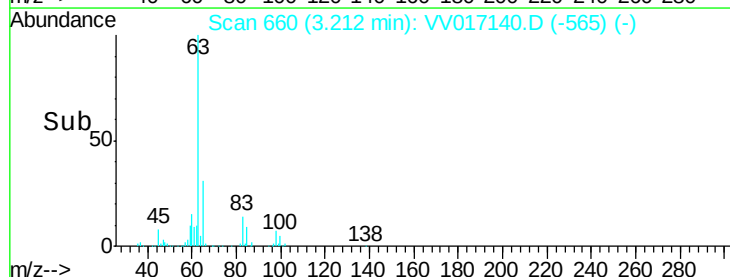
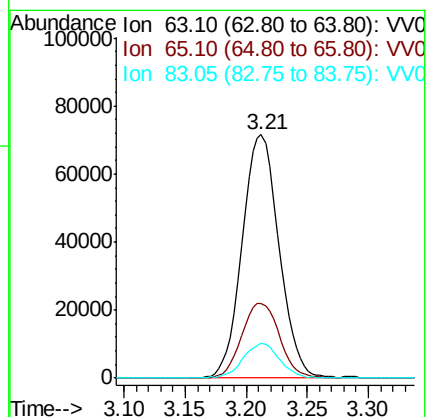
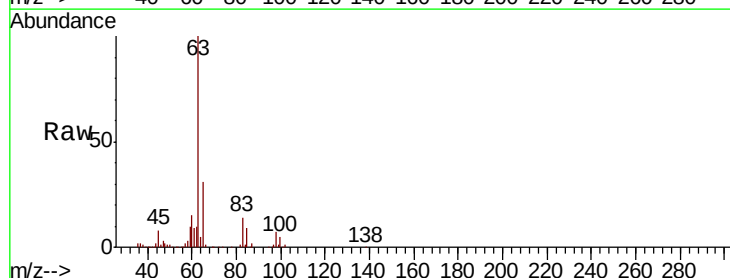
Tgt Ion: 63 Resp: 149290

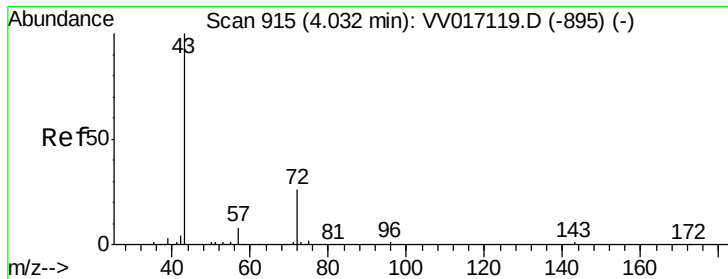
Ion Ratio Lower Upper

63 100

65 30.8 21.8 40.4

83 14.3 9.7 17.9





#21

2-Butanone

Concen: 164.469 ug/L

RT: 4.11 min Scan# 939

Delta R.T. 0.08 min

Lab File: VV017140.D

Acq: 25 Jun 2020 20:23

Instrument :

MSVOA_V

ClientSampleId :

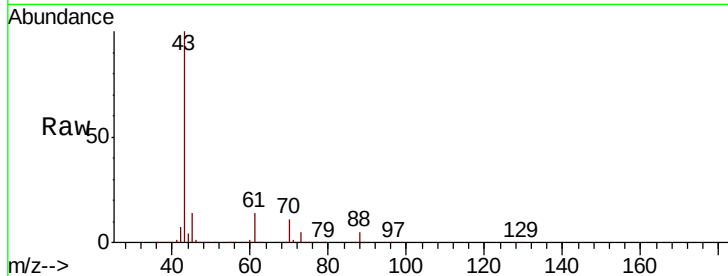
BFXN2

Tot Ion: 43 Resp: 411018

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

150000

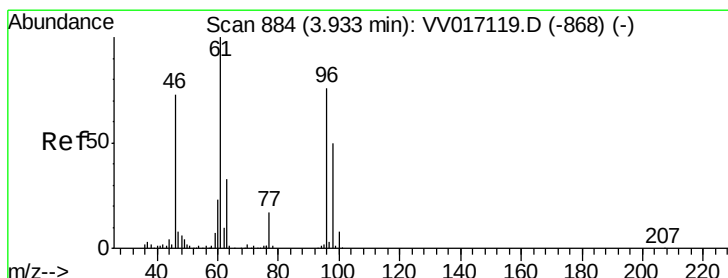
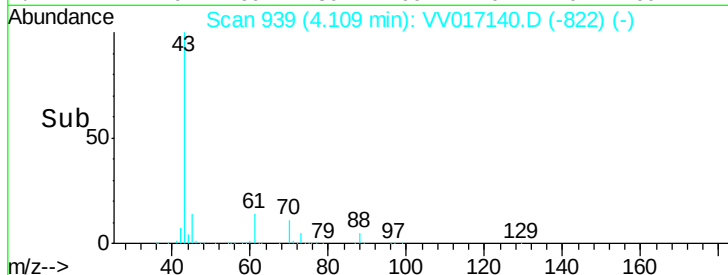
100000

50000

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4.00 4.10 4.20 4.30

Time-->



#22

cis-1,2-Dichloroethene

Concen: 1.188 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV017140.D

Acq: 25 Jun 2020 20:23

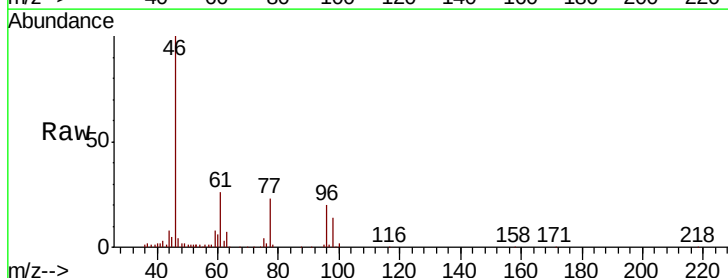
Tgt Ion: 96 Resp: 14167

Ion Ratio Lower Upper

96 100

61 132.1 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

10000

8000

6000

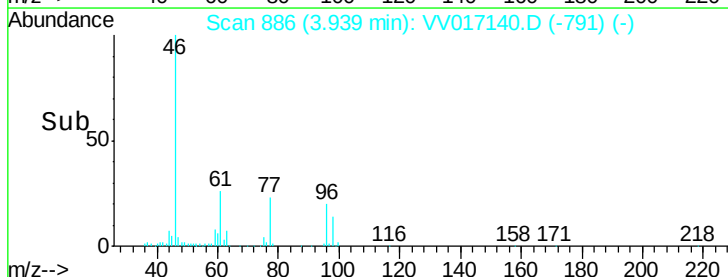
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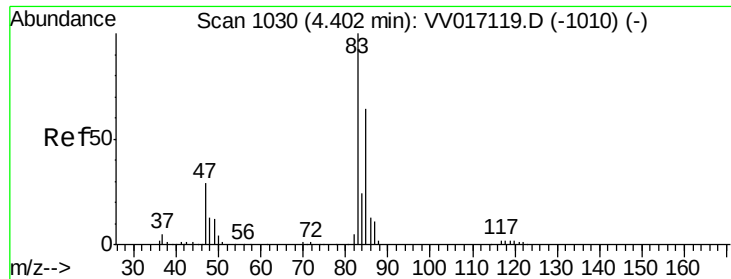
2000

0

3.85 3.90 3.95 4.00

Time-->





#25

Chloroform

Concen: 0.480 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV017140.D

Acq: 25 Jun 2020 20:23

Instrument :

MSVOA_V

ClientSampleId :

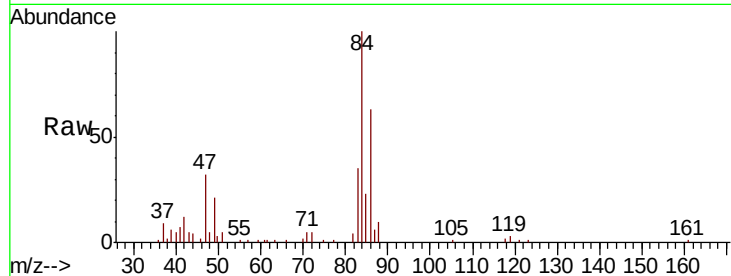
BFXN2

Tot Ion: 83 Resp: 10280

Ion Ratio Lower Upper

83 100

85 66.6 44.2 82.2



Abundance Ion 83.05 (82.75 to 83.75): VV017119.D (-1010) (-)

Ion 85.00 (84.70 to 85.70): VV017140.D (-937) (-)

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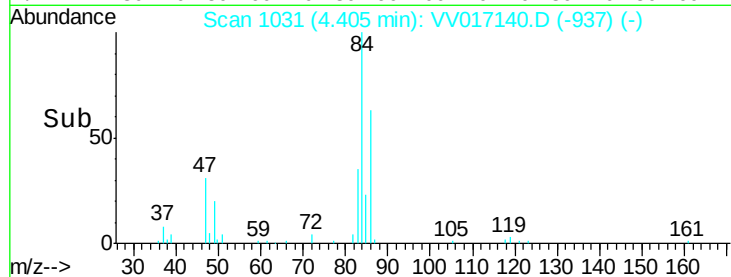
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4.41

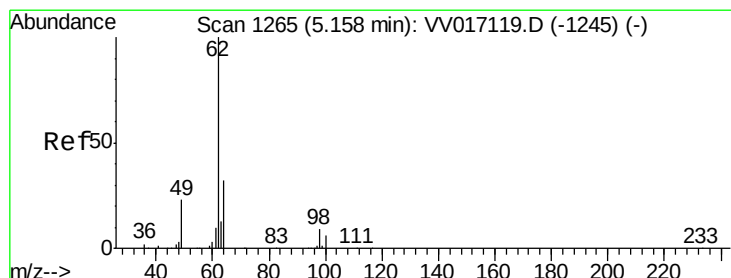
4.41

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Time-->



#27

1,2-Dichloroethane

Concen: 3.522 ug/L

RT: 5.16 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VV017140.D

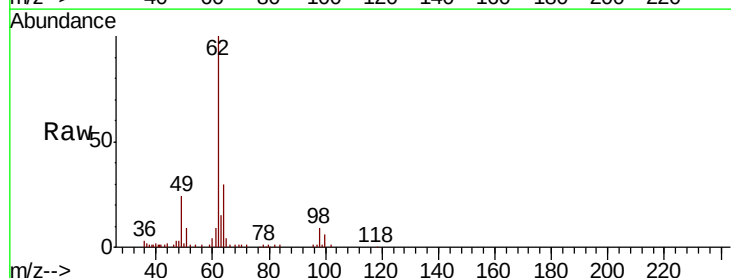
Acq: 25 Jun 2020 20:23

Tgt Ion: 62 Resp: 46828

Ion Ratio Lower Upper

62 100

98 8.7 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VV017119.D (-1245) (-)

Ion 98.05 (97.75 to 98.75): VV017140.D (-1172) (-)

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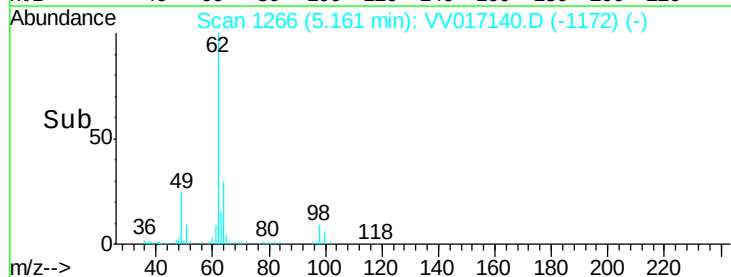
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5.16

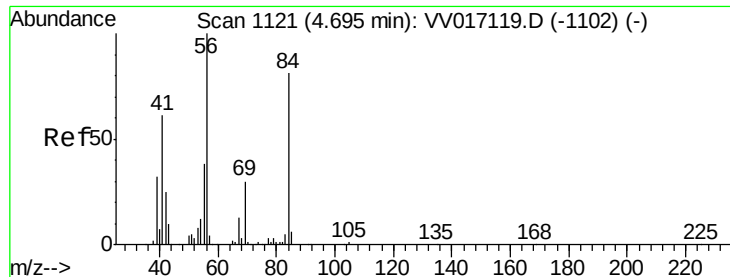
5.16

5.16

5.16



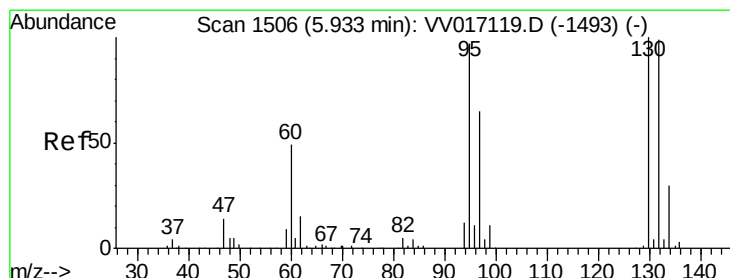
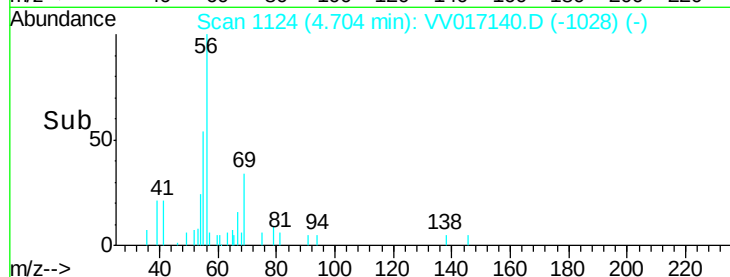
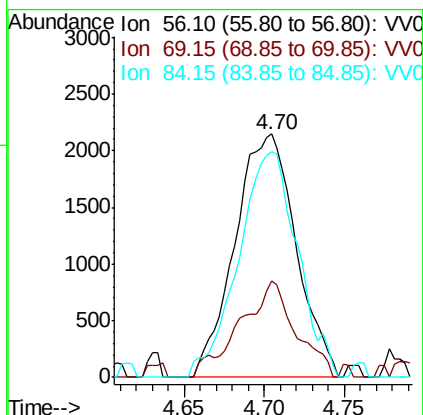
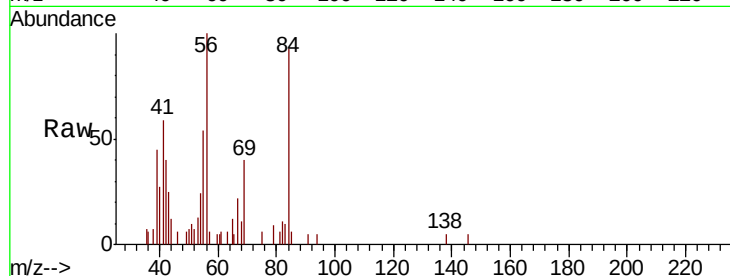
Time-->



#30
Cyclohexane
Concen: 0.292 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VV017140.D
Acq: 25 Jun 2020 20:23

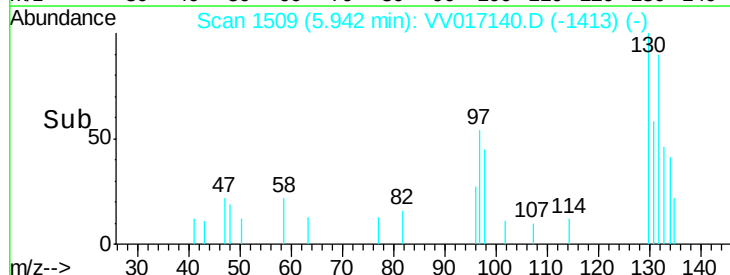
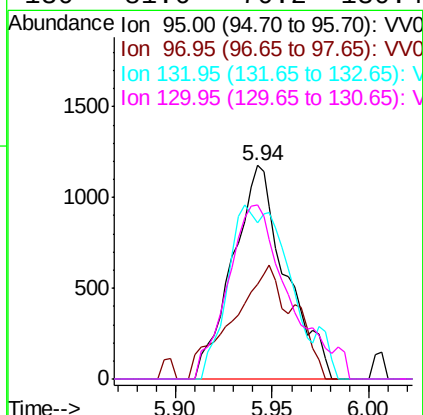
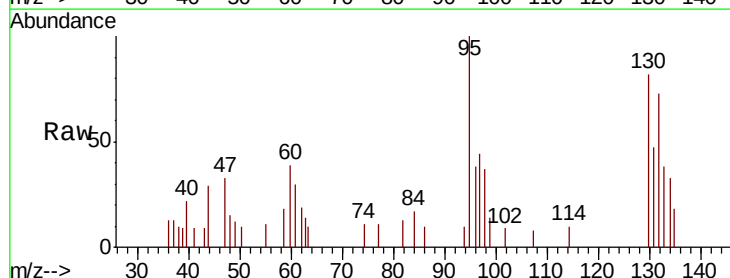
Instrument :
MSVOA_V
ClientSampleId :
BFXN2

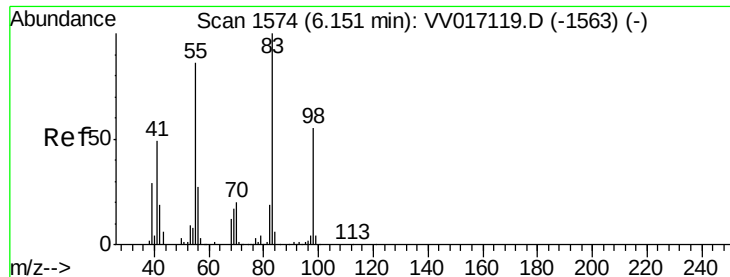
Tot Ion: 56 Resp: 5630
Ion Ratio Lower Upper
56 100
69 36.1 24.4 36.6
84 89.7 69.9 104.9



#34
Trichloroethene
Concen: 0.174 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV017140.D
Acq: 25 Jun 2020 20:23

Tgt Ion: 95 Resp: 2253
Ion Ratio Lower Upper
95 100
97 44.3 45.3 84.1#
132 73.3 68.8 127.8
130 81.6 70.2 130.4

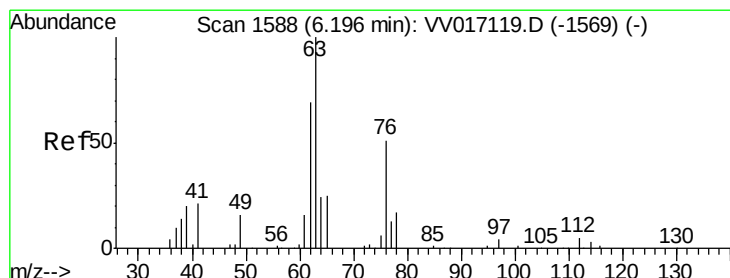
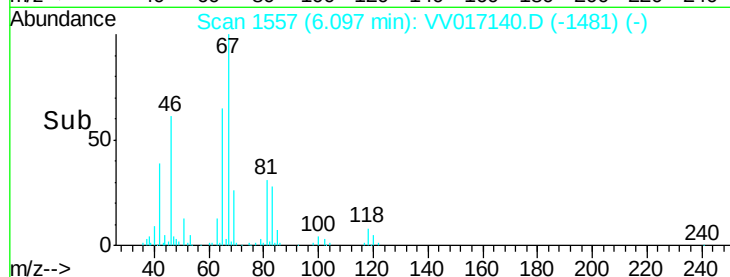
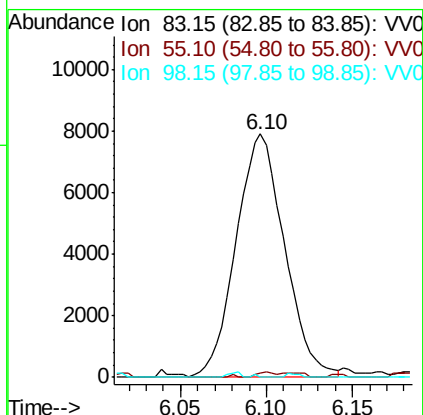
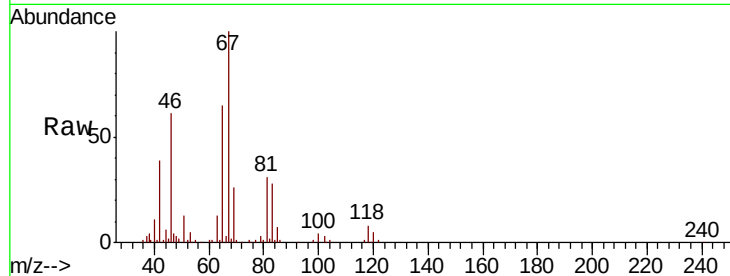




#35
Methylvlcyclohexane
Concen: 0.766 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017140.D
Acq: 25 Jun 2020 20:23

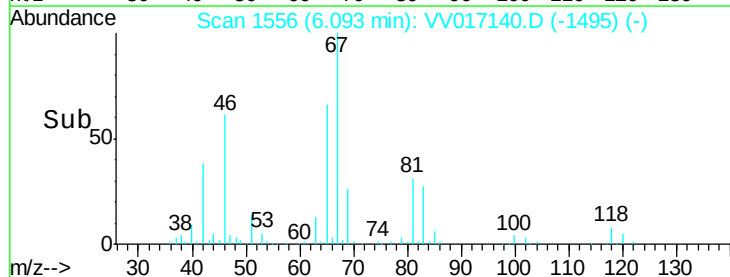
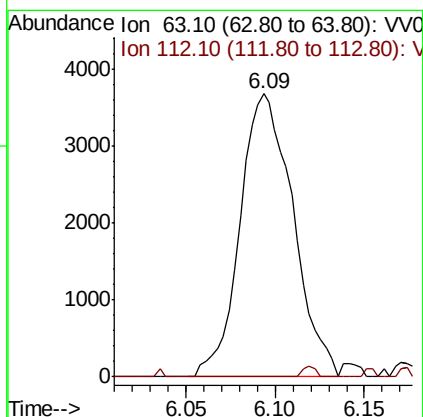
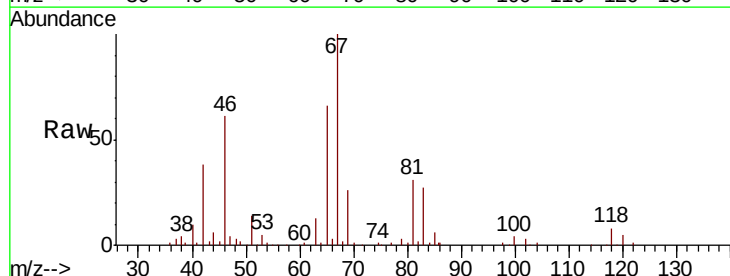
Instrument :
MSVOA_V
ClientSampleId :
BFXN2

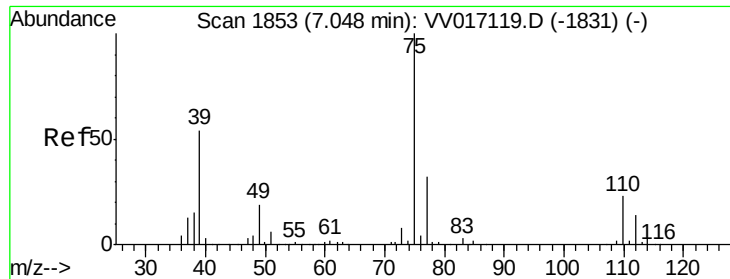
Tot Ion: 83 Resp: 15448
Ion Ratio Lower Upper
83 100
55 0.8 63.6 95.4#
98 0.0 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.694 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV017140.D
Acq: 25 Jun 2020 20:23

Tgt Ion: 63 Resp: 7608
Ion Ratio Lower Upper
63 100
112 0.9 4.4 6.6#

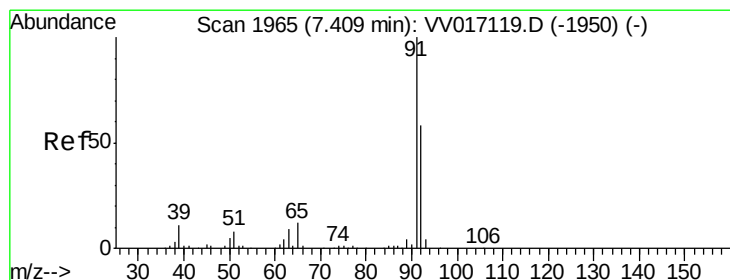
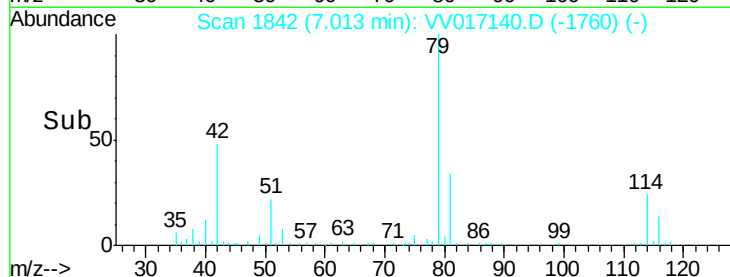
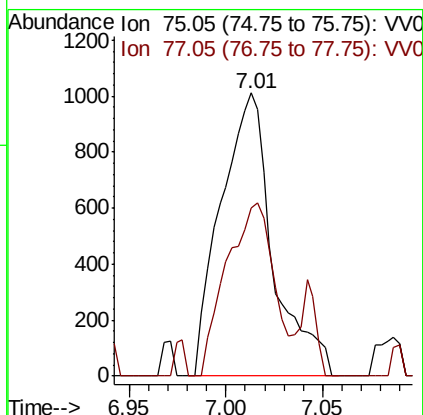
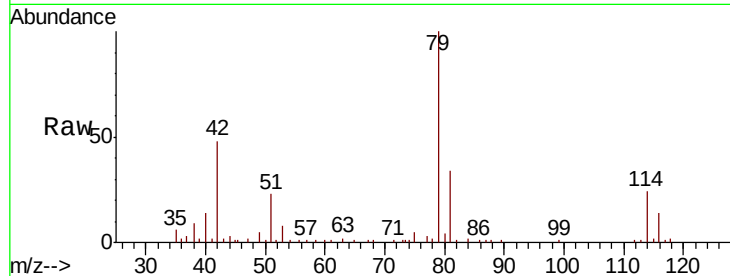




#39
 cis-1,3-Dichloropropene
 Concen: 0.117 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV017140.D
 Acq: 25 Jun 2020 20:23

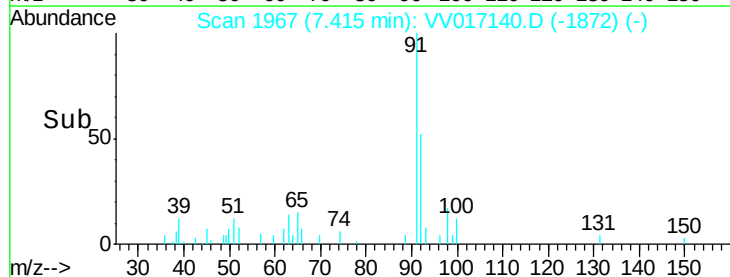
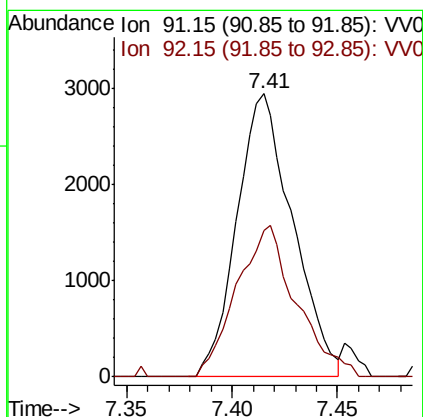
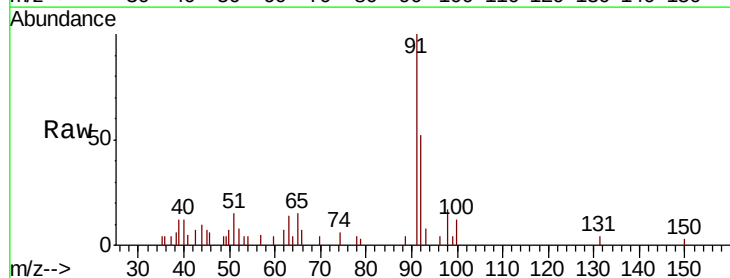
Instrument :
 MSVOA_V
 ClientSampleId :
 BFXN2

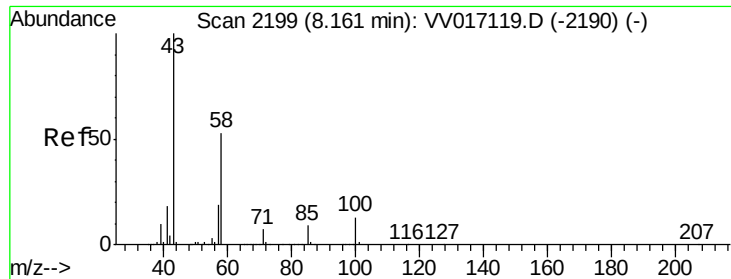
Tot Ion: 75 Resp: 1901
 Ion Ratio Lower Upper
 75 100
 77 59.2 22.3 41.5#



#42
 Toluene
 Concen: 0.105 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. 0.01 min
 Lab File: VV017140.D
 Acq: 25 Jun 2020 20:23

Tgt Ion: 91 Resp: 5423
 Ion Ratio Lower Upper
 91 100
 92 51.7 39.9 74.1





#50
 2-Hexanone
 Concen: 2.547 ug/L
 RT: 8.11 min Scan# 2184
 Delta R.T. -0.05 min
 Lab File: VV017140.D
 Acq: 25 Jun 2020 20:23

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXN2

Tot Ion	Ratio	Lower	Upper
43	100		
58	33.5	41.6	62.4#
57	35.3	15.4	23.0#
100	1.9	10.1	15.1#

