

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 04:49:39 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

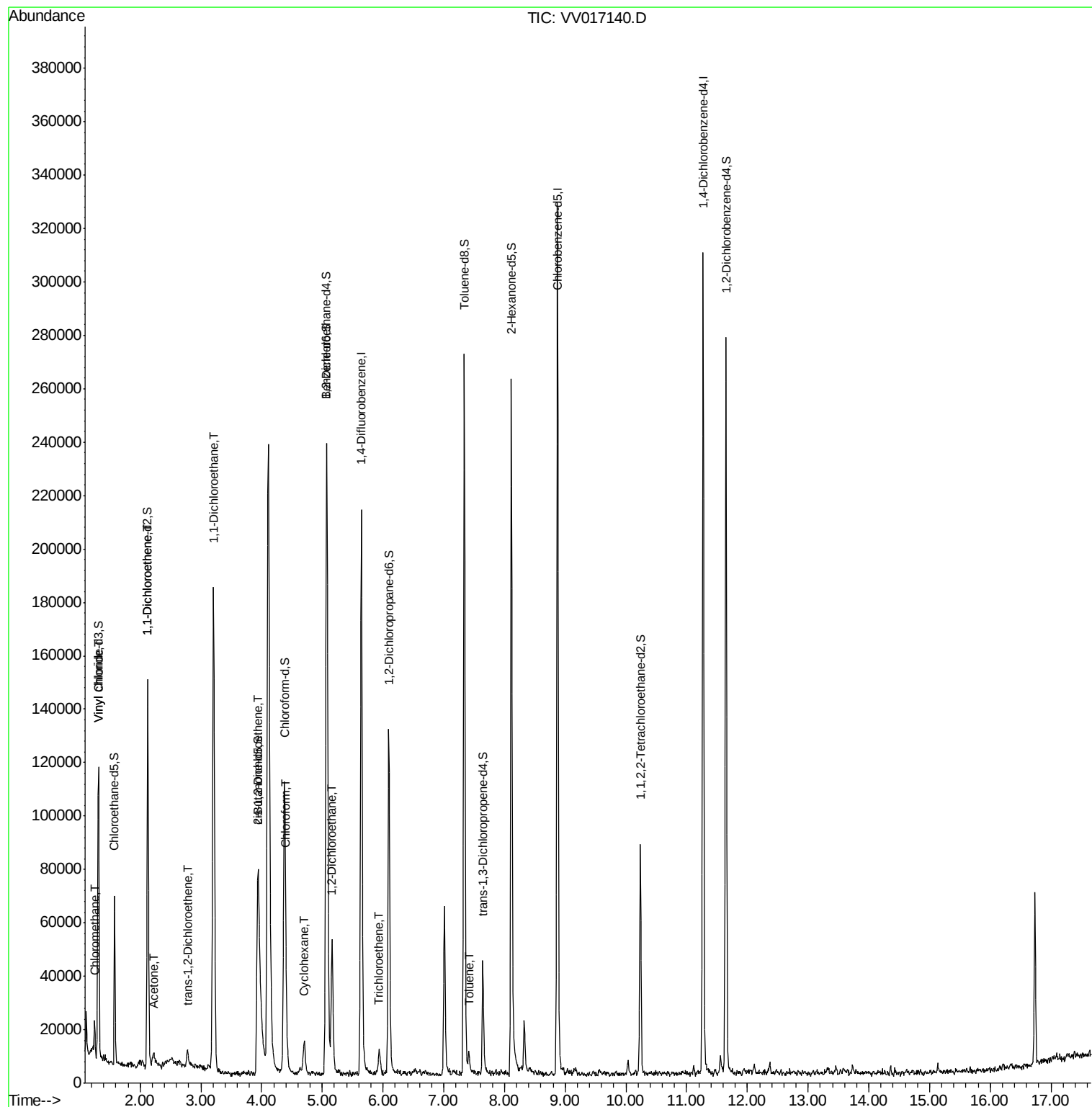
					Ovalue
3) Chloromethane	1.25	50	8740	0.754 ug/L	99
5) Vinyl chloride	1.32	62	12465	1.108 ug/L	94
12) 1,1-Dichloroethene	2.14	96	6520	0.792 ug/L #	1
13) Acetone	2.23	43	6880	5.190 ug/L	63
18) trans-1,2-Dichloroethene	2.78	96	2035	0.233 ug/L	74
19) 1,1-Dichloroethane	3.21	63	149290	7.620 ug/L	99
22) cis-1,2-Dichloroethene	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
42) Toluene	7.41	91	5423	0.105 ug/L	93

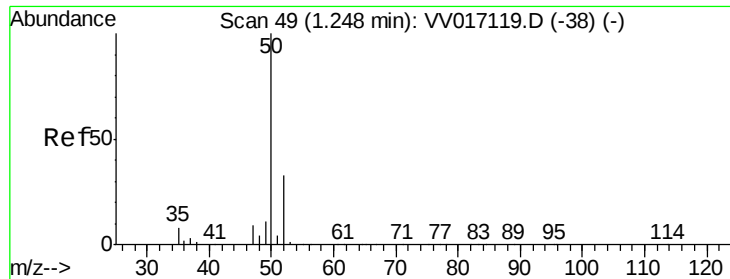
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 26 01:31:34 2020
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 :

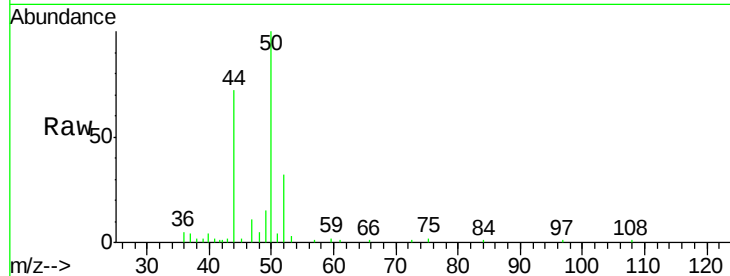
BFXN2

Tot Ion: 50 Resp: 8740

Ion Ratio Lower Upper

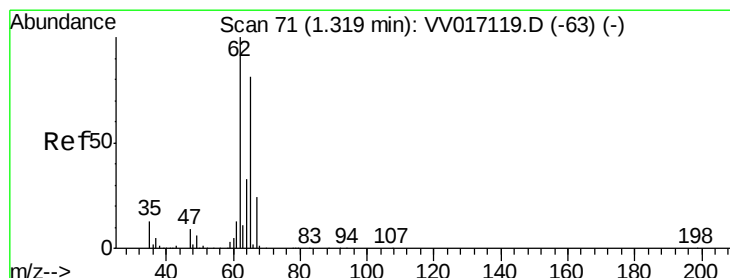
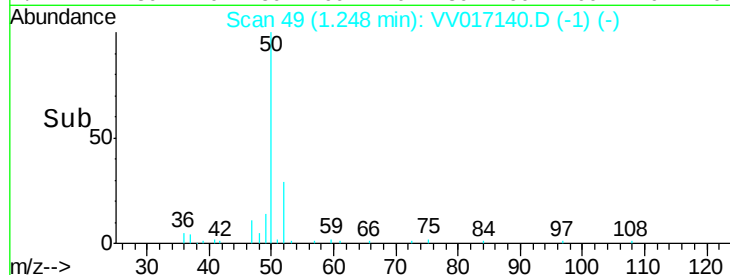
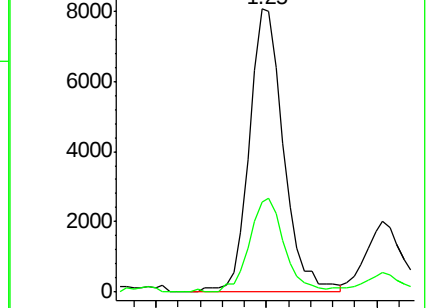
50 100

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

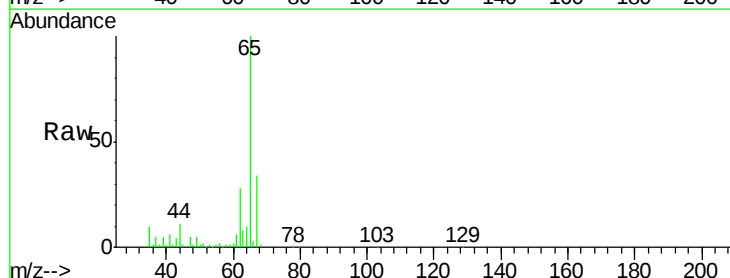
Acq: 25 Jun 2020 20:23

Tgt Ion: 62 Resp: 12465

Ion Ratio Lower Upper

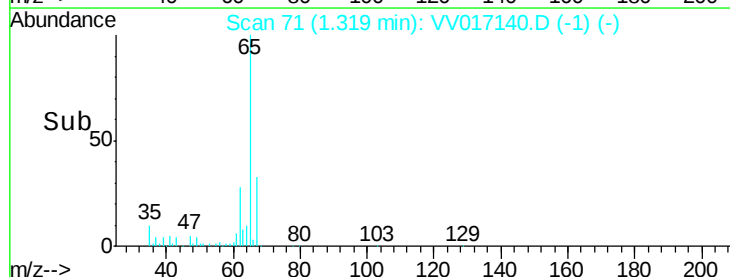
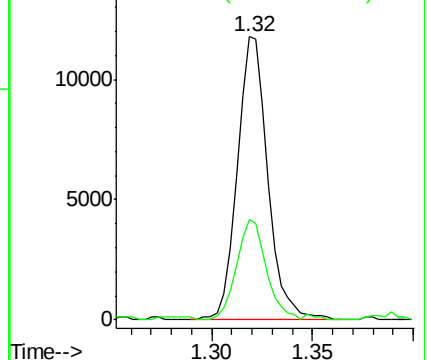
62 100

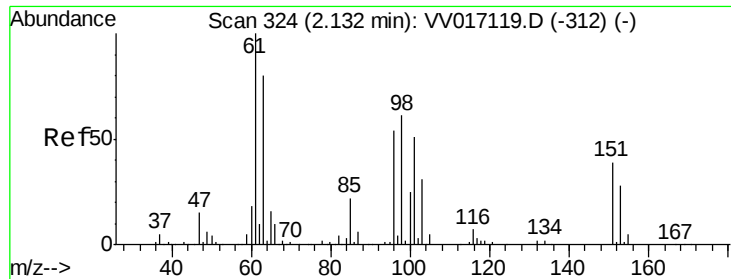
64 35.5 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#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

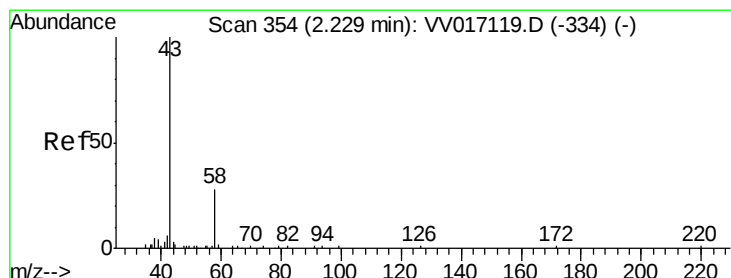
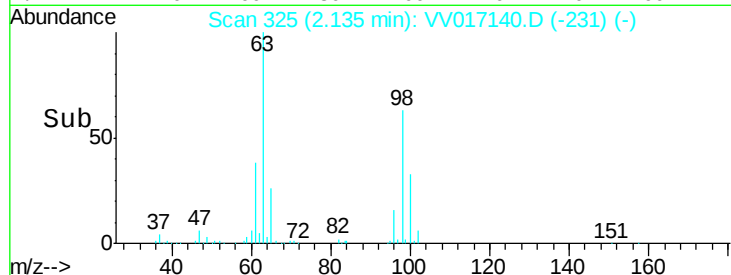
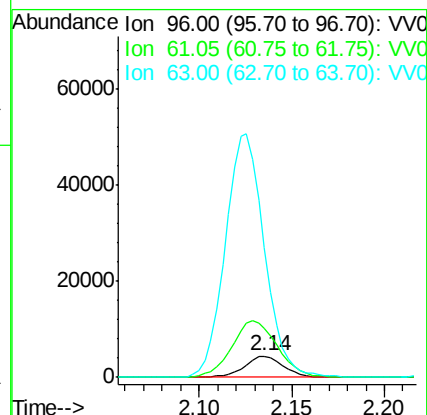
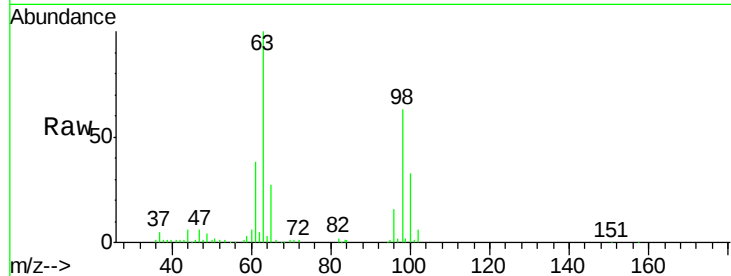
Tot Ion: 96 Resp: 6520

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

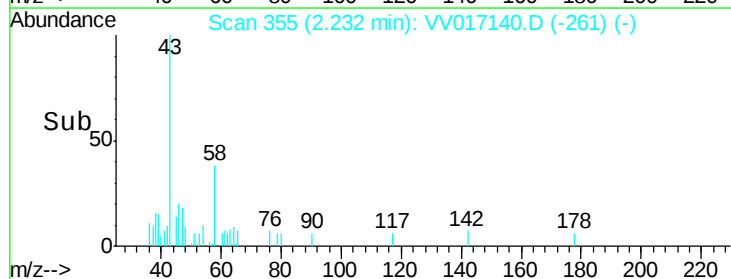
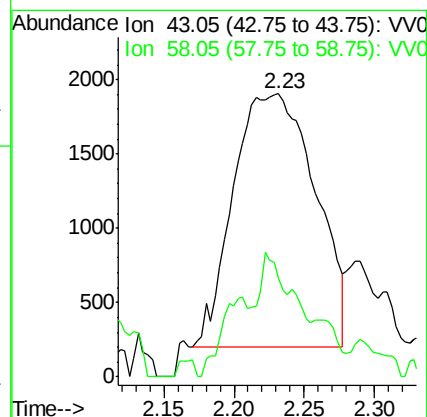
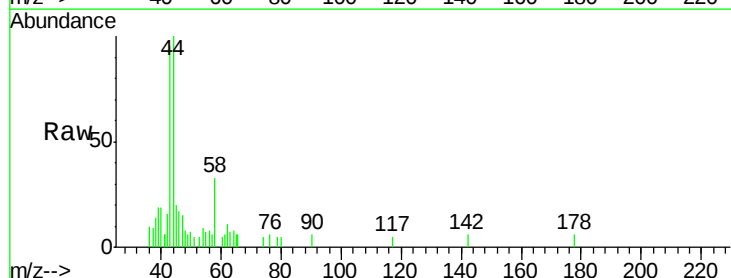
Acq: 25 Jun 2020 20:23

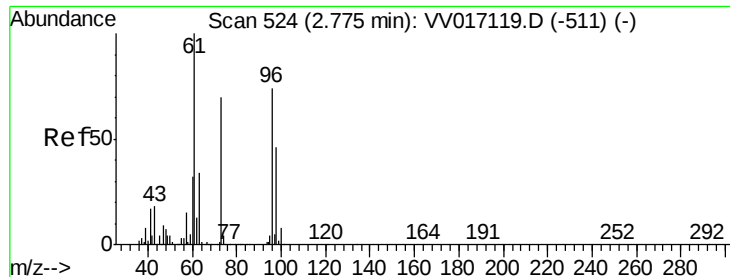
Tgt Ion: 43 Resp: 6880

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

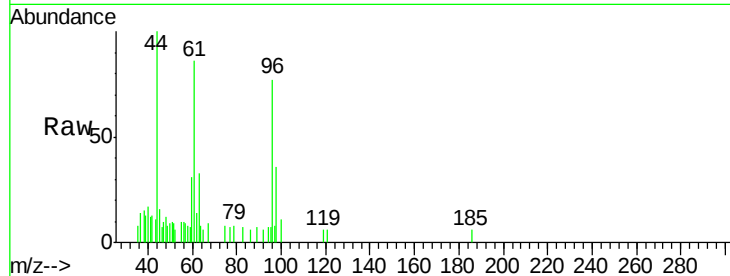
Tot Ion: 96 Resp: 2035

Ion Ratio Lower Upper

96 100

61 111.3 102.3 189.9

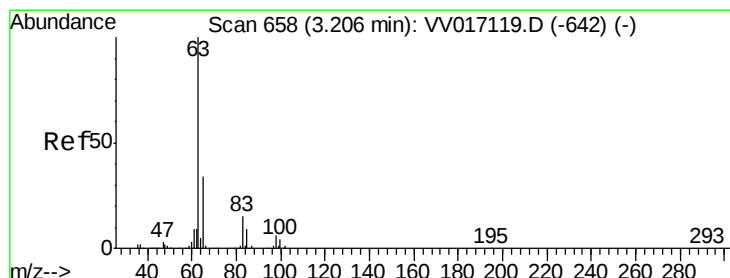
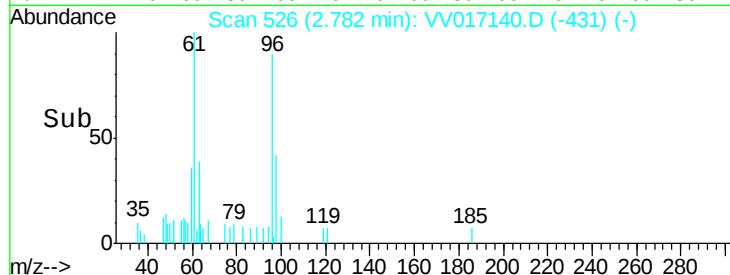
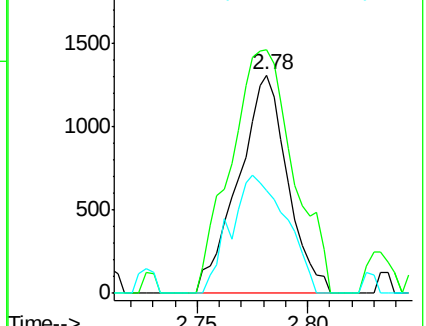
98 46.8 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#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

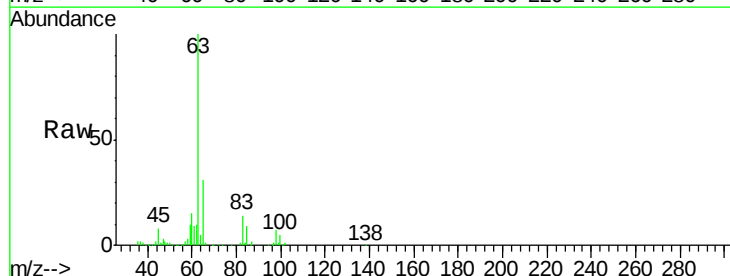
Tgt Ion: 63 Resp: 149290

Ion Ratio Lower Upper

63 100

65 30.8 21.8 40.4

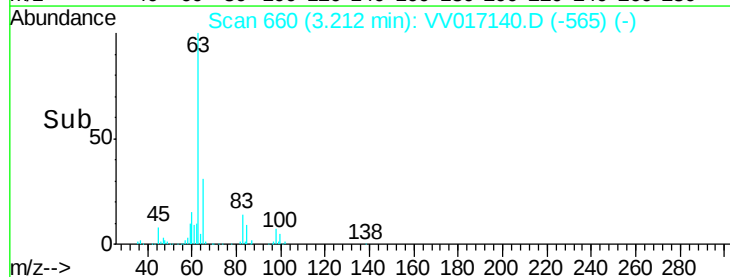
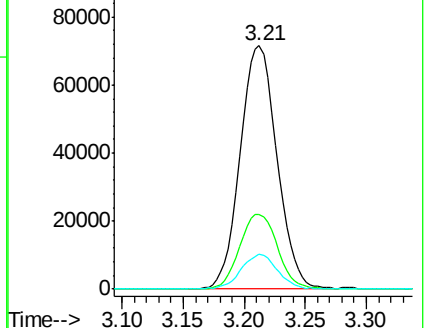
83 14.3 9.7 17.9

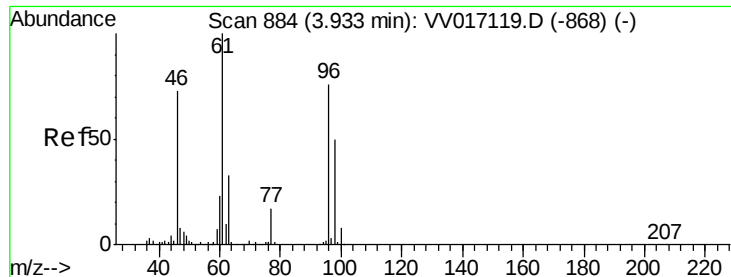


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0





#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

Instrument :
MSVOA_V
ClientSampleId :
BFXN2

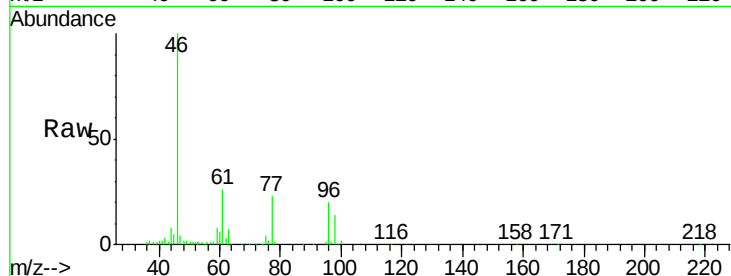
Tot Ion: 96 Resp: 14167

Ion Ratio Lower Upper

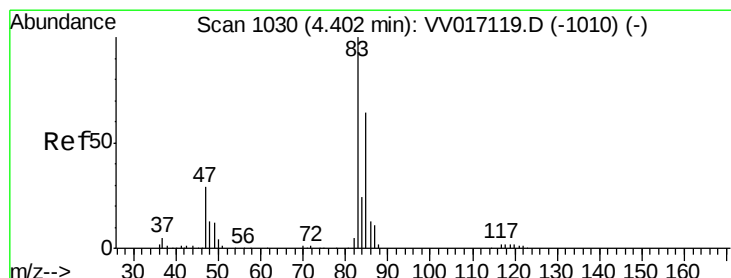
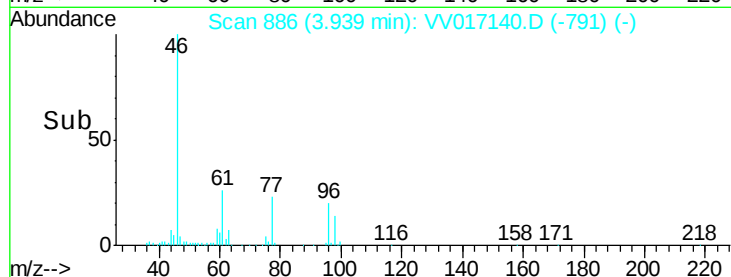
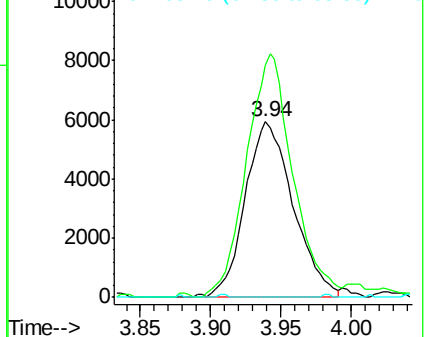
96 100

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



#25

Chloroform

Concen: 0.480 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV017140.D

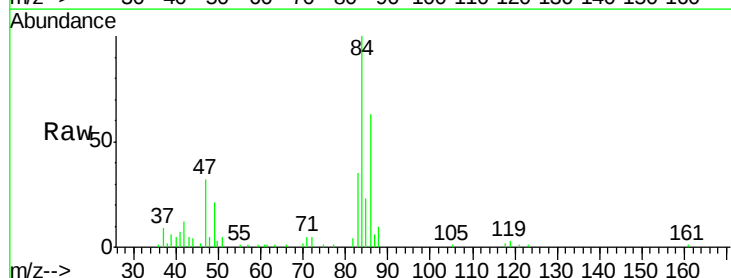
Acq: 25 Jun 2020 20:23

Tgt Ion: 83 Resp: 10280

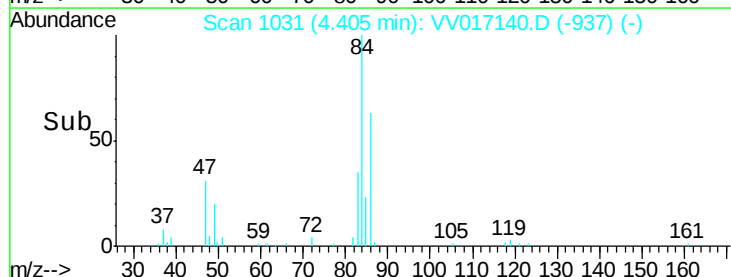
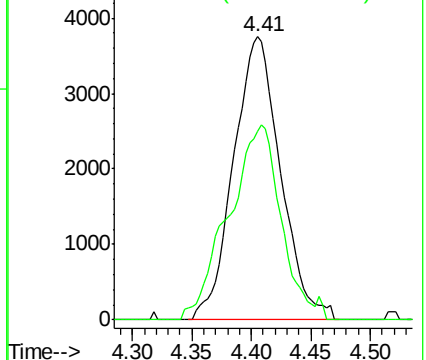
Ion Ratio Lower Upper

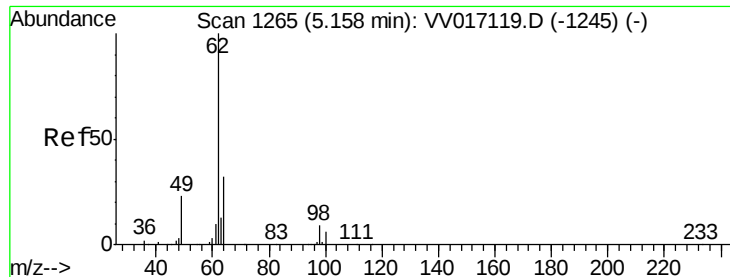
83 100

85 66.6 44.2 82.2



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0





#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

Instrument :

MSVOA_V

ClientSampleId :

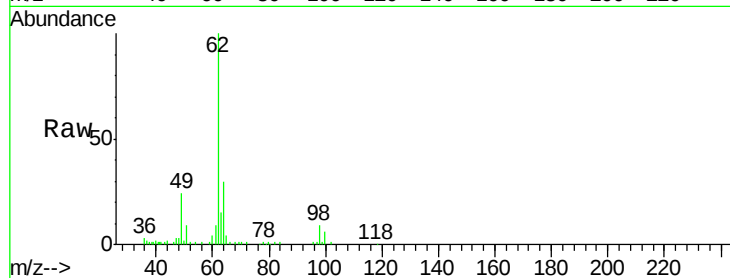
BFXN2

Tot 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): VV0

Ion 98.05 (97.75 to 98.75): VV0

25000

20000

15000

10000

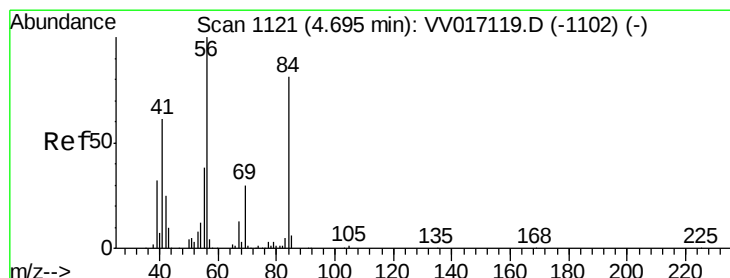
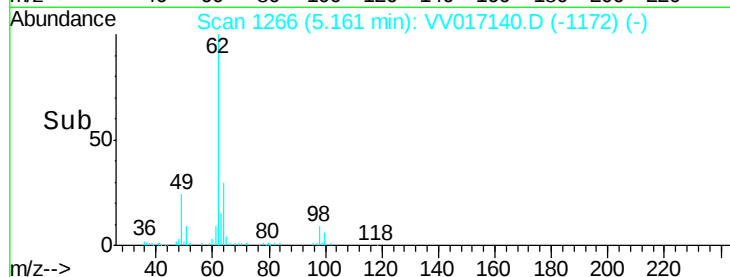
5000

0

Time-->

5.10 5.15 5.20 5.25

5.16



#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

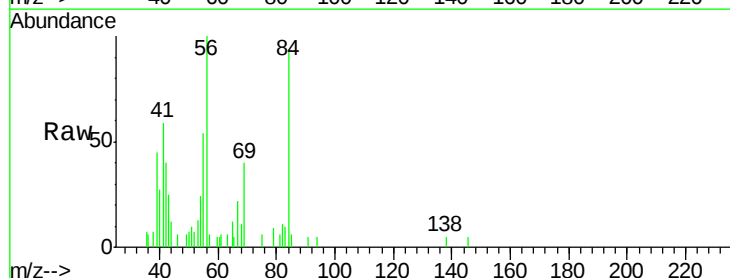
Tgt Ion: 56 Resp: 5630

Ion Ratio Lower Upper

56 100

69 36.1 24.4 36.6

84 89.7 69.9 104.9



Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0

3000

2500

2000

1500

1000

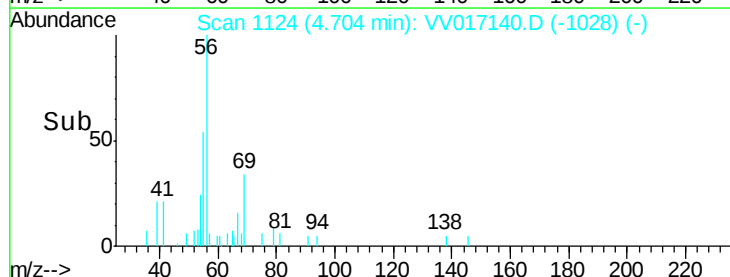
500

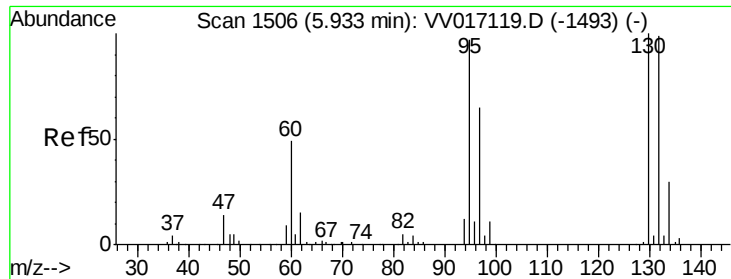
0

Time-->

4.65 4.70 4.75

4.70





#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

Instrument :

MSVOA_V

ClientSampleId :

BFXN2

Tot Ion: 95 Resp: 2253

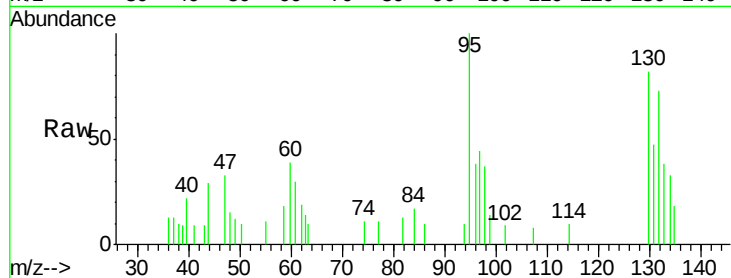
Ion Ratio Lower Upper

95 100

97 44.3 45.3 84.1#

132 73.3 68.8 127.8

130 81.6 70.2 130.4

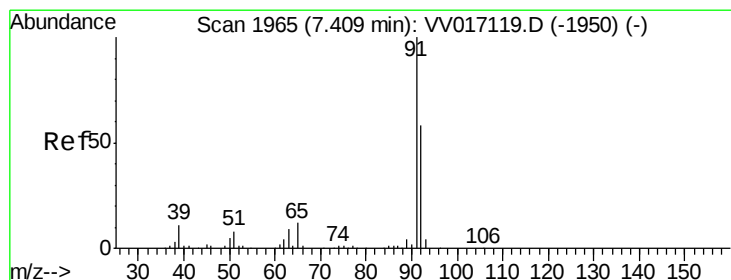
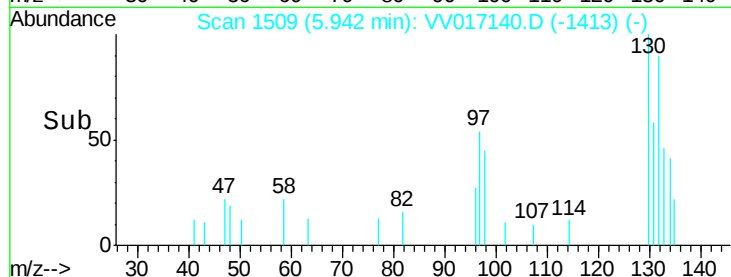
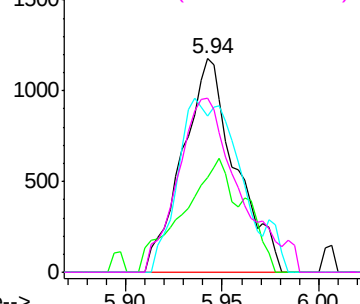


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#42

Toluene

Concen: 0.105 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017140.D

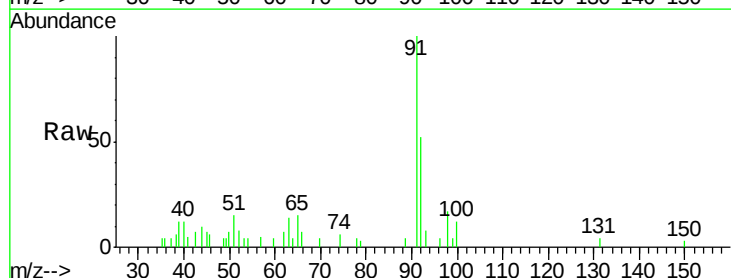
Acq: 25 Jun 2020 20:23

Tgt Ion: 91 Resp: 5423

Ion Ratio Lower Upper

91 100

92 51.7 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

