

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062520\
 Data File : VV017141.D
 Acq On : 25 Jun 2020 20:48
 Operator : SY/MD
 Sample : L3106-11
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXN3

Quant Time: Jun 26 01:38:50 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	164824	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	161002	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	73200	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47487	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.58	69	38312	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.12	63	70704	3.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.20%
20) 2-Butanone-d5	3.96	46	115343	45.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.50%
24) Chloroform-d	4.38	84	106074	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.06	65	56511	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.07	84	195261	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.10	67	57410	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.34	98	169298	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
45) trans-1,3-Dichloropropene-	7.64	79	21286	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
48) 2-Hexanone-d5	8.11	63	83348	42.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.00%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38134	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	67607	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	791	0.071 ug/L #	26
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	772	0.088 ug/L #	17
12) 1,1-Dichloroethene	2.12	96	668	0.084 ug/L #	1
13) Acetone	2.25	43	3129	2.455 ug/L	55
17) Methyl tert-butyl Ether	2.79	73	4482	0.226 ug/L	95
19) 1,1-Dichloroethane	3.21	63	29542	1.569 ug/L	96
21) 2-Butanone	4.11	43	404404	168.329 ug/L #	50
22) cis-1,2-Dichloroethene	3.95	96	2444	0.213 ug/L #	95
25) Chloroform	4.41	83	47888	2.328 ug/L	97
27) 1,2-Dichloroethane	5.17	62	6932	0.542 ug/L #	92
30) Cyclohexane	4.70	56	5516	0.301 ug/L	98
34) Trichloroethene	5.95	95	2709	0.219 ug/L	89
35) Methylcyclohexane	6.09	83	15110	0.787 ug/L #	18
47) 1,1,2-Trichloroethane	7.86	97	1019	0.138 ug/L #	83
50) 2-Hexanone	8.11	43	10347	2.413 ug/L #	73
53) Chlorobenzene	8.90	112	2176	0.071 ug/L	95
64) 1,4-Dichlorobenzene	11.29	146	1876	0.084 ug/L #	77

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QLast Update : Fri Jun 26 01:31:34 2020
Response via : Initial Calibration

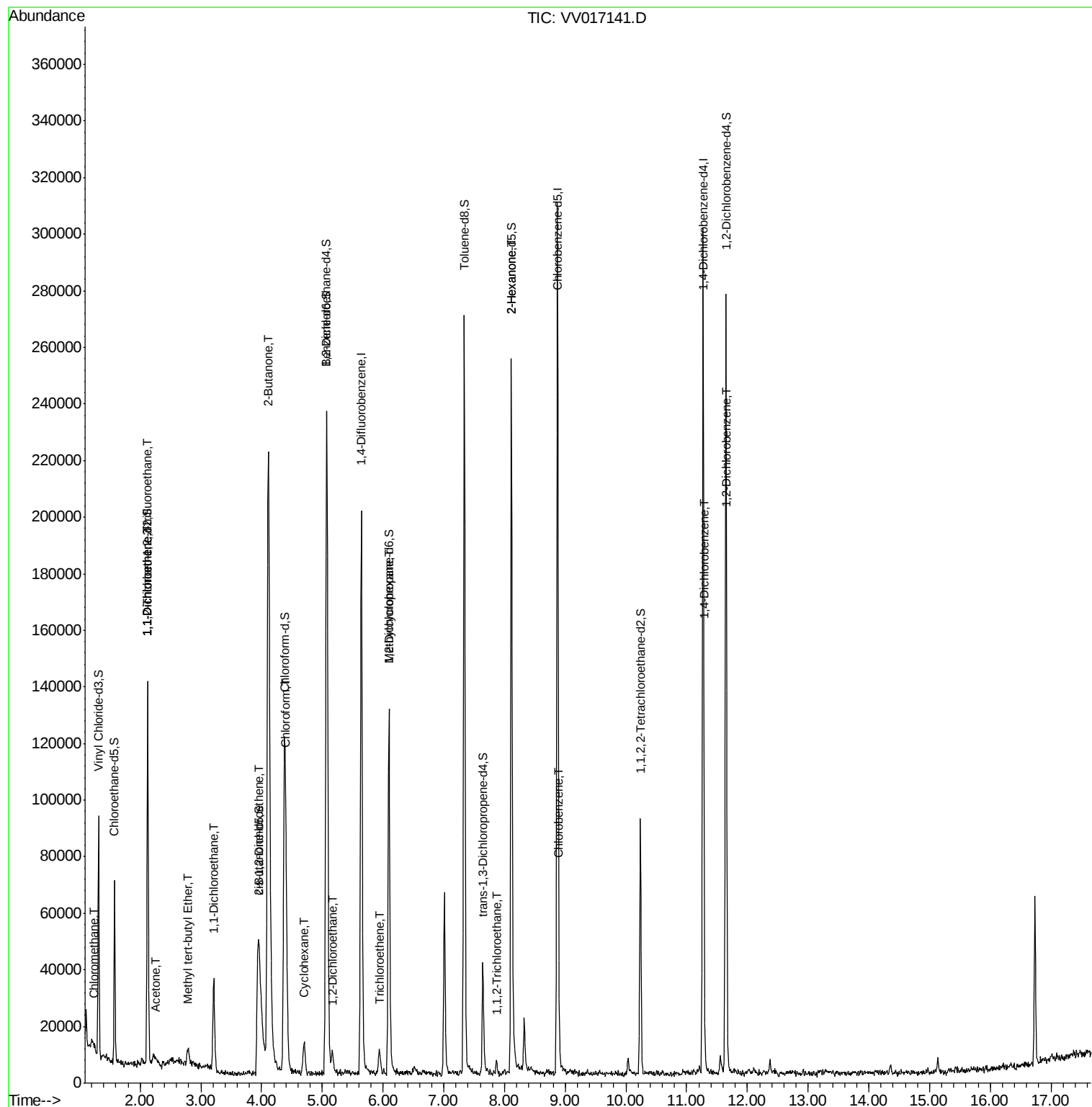
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dichlorobenzene	11.67	146	1782	0.089	ug/L #	86

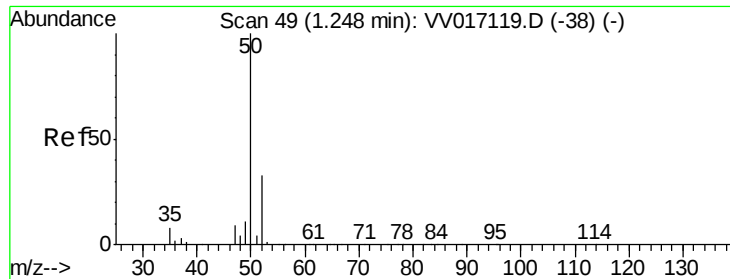
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.071 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017141.D

Acq: 25 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampled :

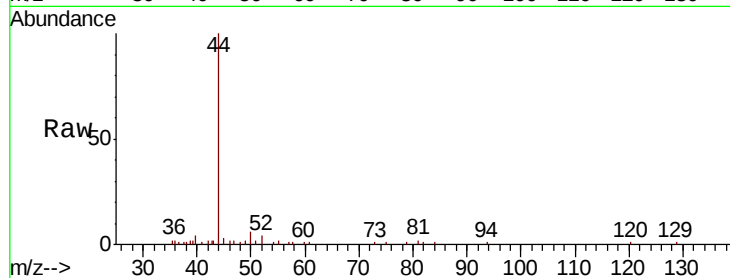
BFXN3

Tot Ion: 50 Resp: 791

Ion Ratio Lower Upper

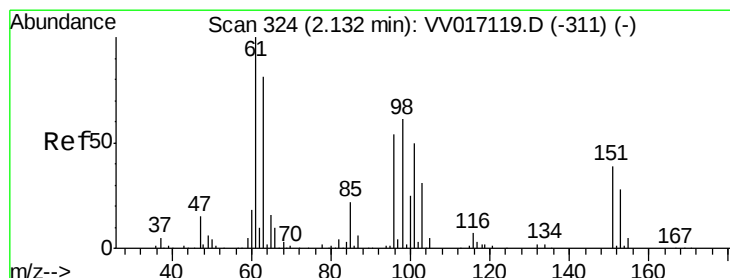
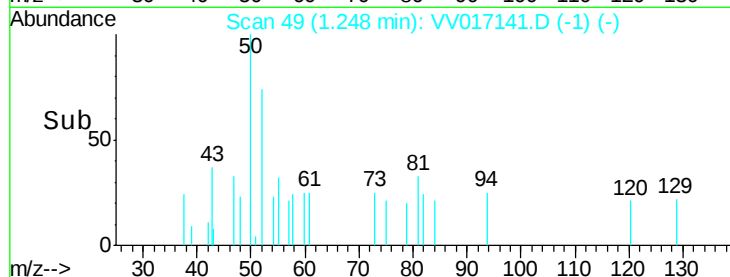
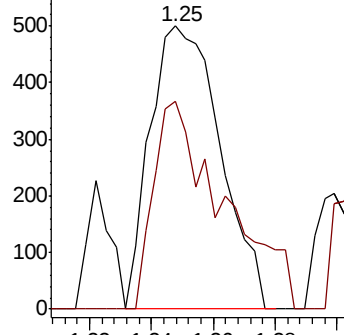
50 100

52 73.6 22.5 41.9#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#10

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

Concen: 0.088 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017141.D

Acq: 25 Jun 2020 20:48

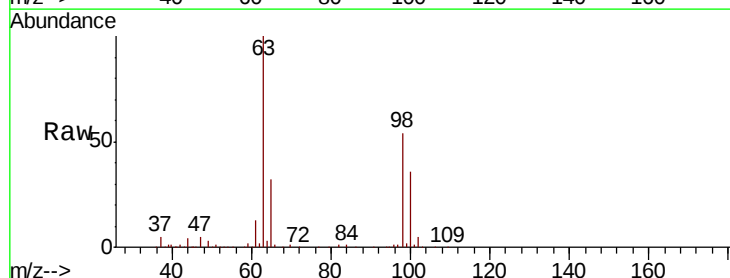
Tgt Ion: 101 Resp: 772

Ion Ratio Lower Upper

101 100

85 0.0 35.4 53.2#

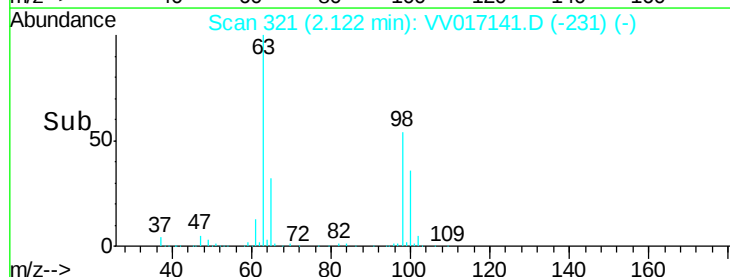
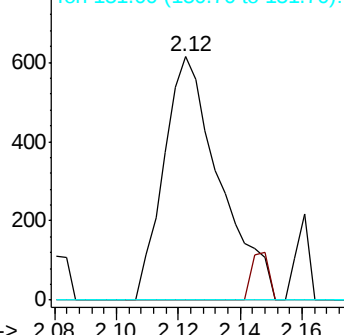
151 0.0 63.9 95.9#

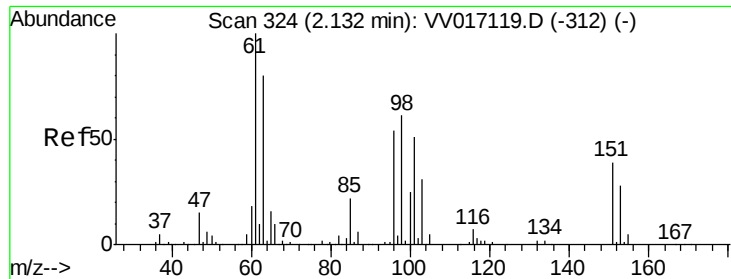


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.084 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017141.D

Acq: 25 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

BFXN3

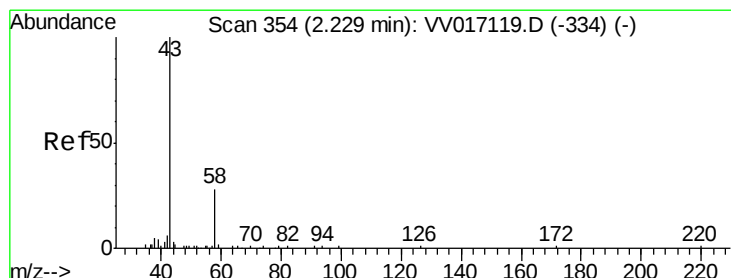
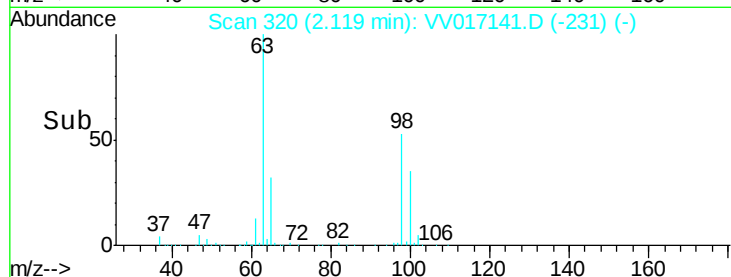
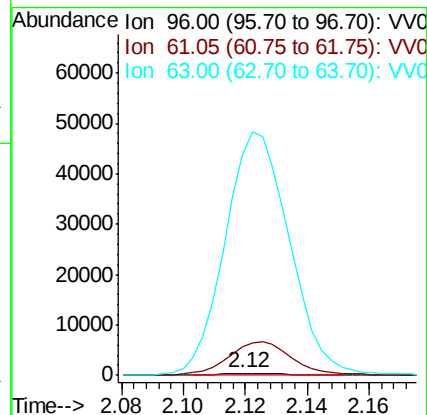
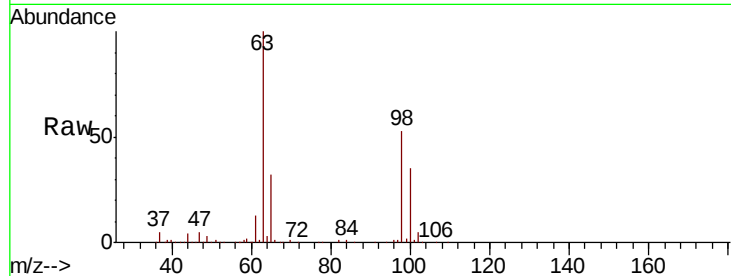
Tot Ion: 96 Resp: 668

Ion Ratio Lower Upper

96 100

61 1251.1 125.0 232.2#

63 9842.2 109.8 203.8#



#13

Acetone

Concen: 2.455 ug/L

RT: 2.25 min Scan# 360

Delta R.T. 0.02 min

Lab File: VV017141.D

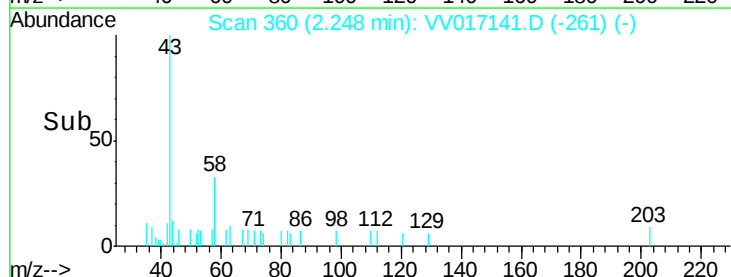
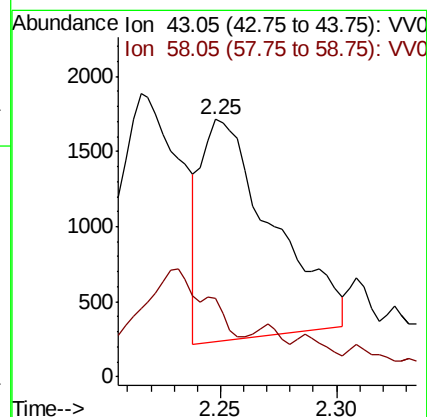
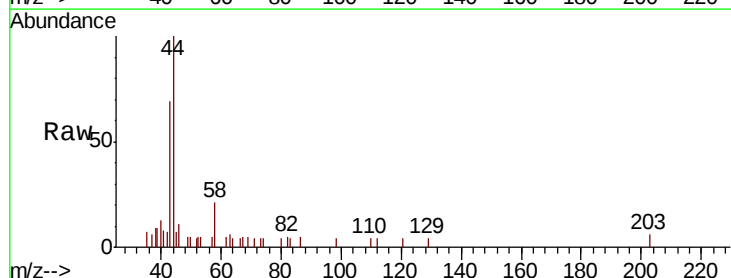
Acq: 25 Jun 2020 20:48

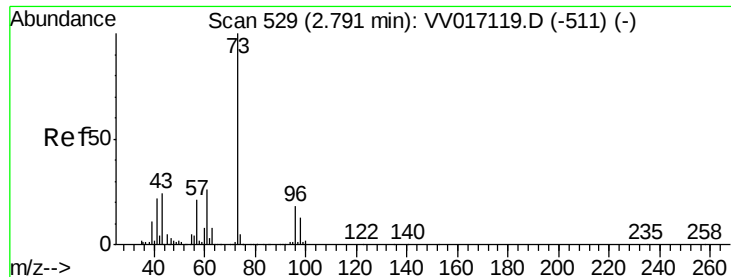
Tgt Ion: 43 Resp: 3129

Ion Ratio Lower Upper

43 100

58 53.1 0.0 58.4

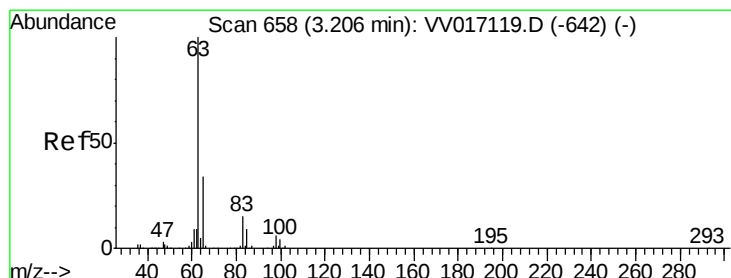
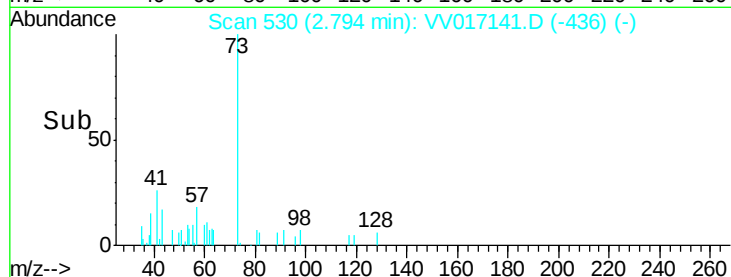
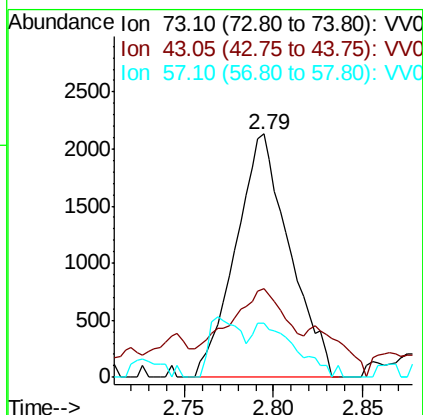
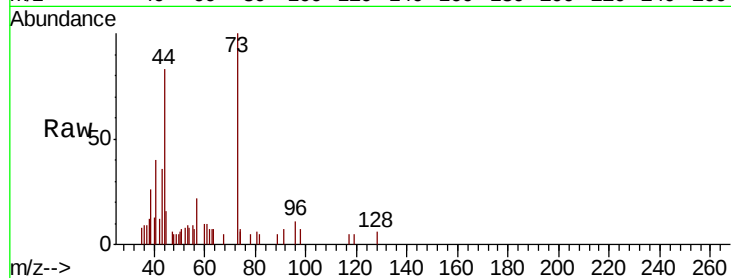




#17
Methvl tert-butvl Ether
Concen: 0.226 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV017141.D
Acq: 25 Jun 2020 20:48

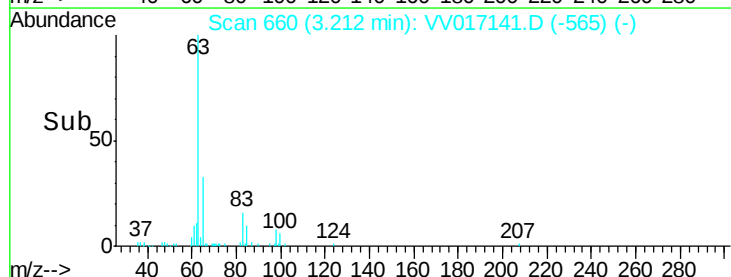
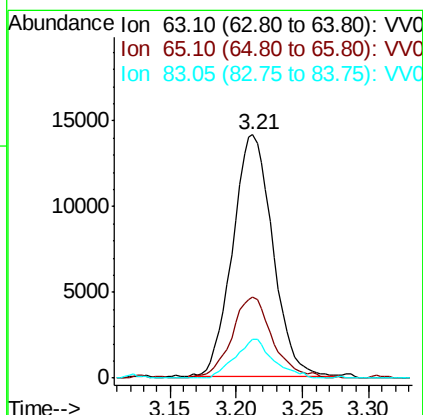
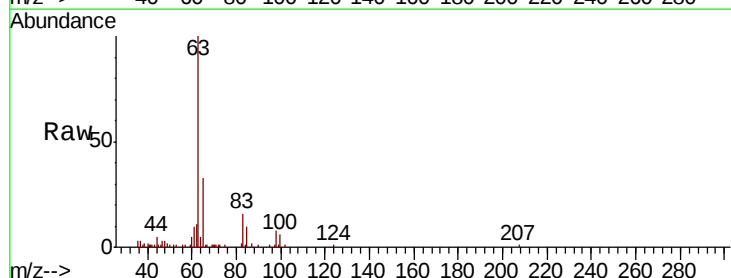
Instrument :
MSVOA_V
ClientSampled :
BFXN3

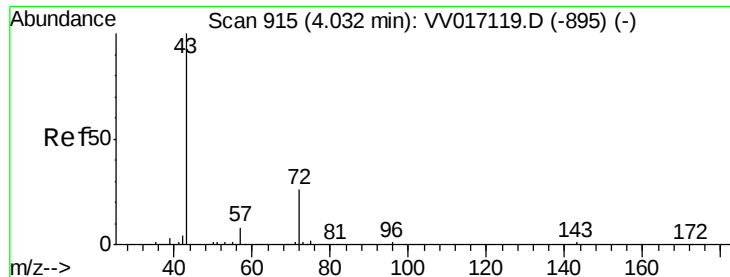
Tot Ion: 73 Resp: 4482
Ion Ratio Lower Upper
73 100
43 25.7 18.6 28.0
57 18.3 16.4 24.6



#19
1,1-Dichloroethane
Concen: 1.569 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.01 min
Lab File: VV017141.D
Acq: 25 Jun 2020 20:48

Tgt Ion: 63 Resp: 29542
Ion Ratio Lower Upper
63 100
65 33.3 21.8 40.4
83 15.9 9.7 17.9





#21

2-Butanone

Concen: 168.329 ug/L

RT: 4.11 min Scan# 939

Delta R.T. 0.08 min

Lab File: VV017141.D

Acq: 25 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

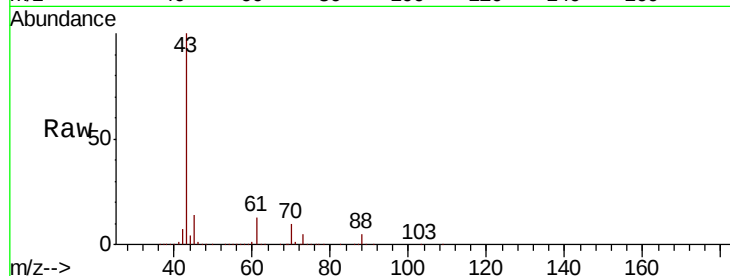
BFXN3

Tot Ion: 43 Resp: 404404

Ion Ratio Lower Upper

43 100

72 0.1 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

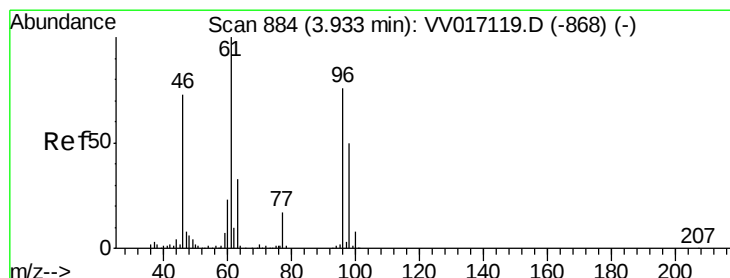
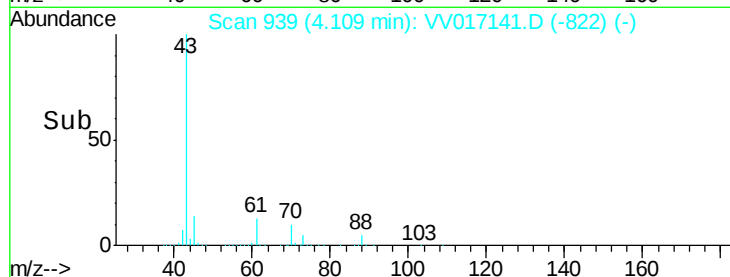
150000

100000

50000

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.213 ug/L

RT: 3.95 min Scan# 889

Delta R.T. 0.02 min

Lab File: VV017141.D

Acq: 25 Jun 2020 20:48

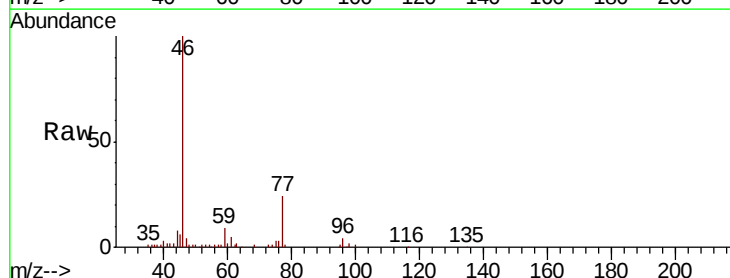
Tgt Ion: 96 Resp: 2444

Ion Ratio Lower Upper

96 100

61 123.8 91.0 169.0

68 12.7 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

2000

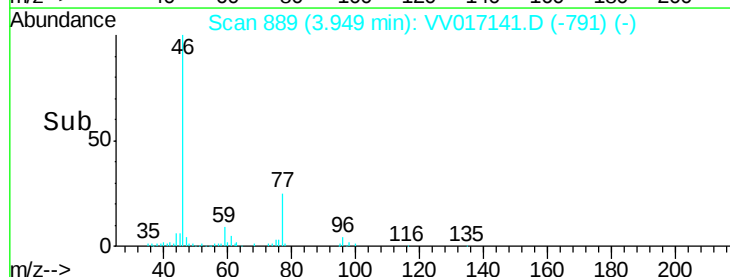
1500

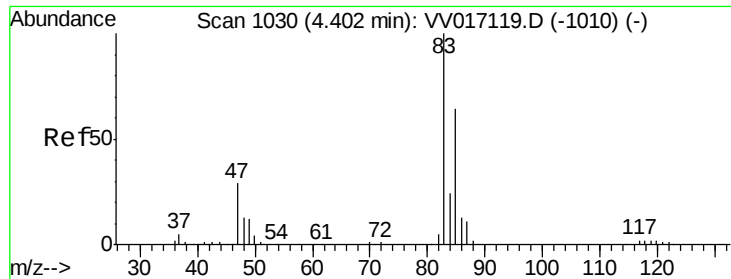
1000

500

0

Time-->

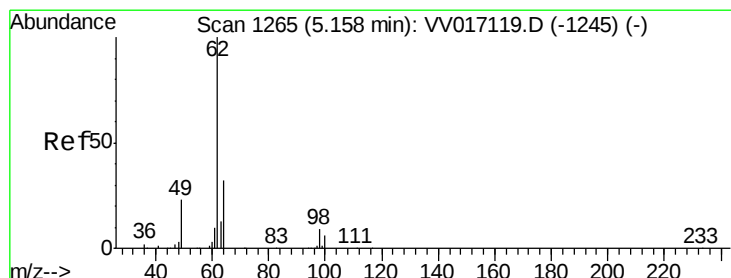
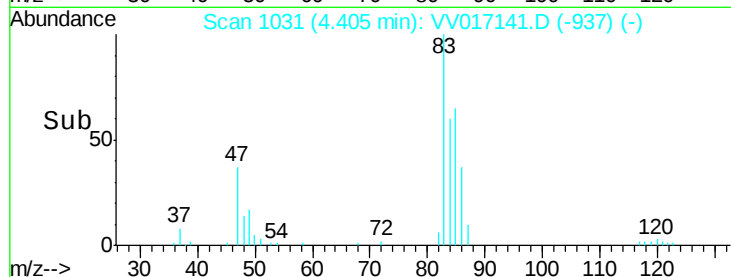
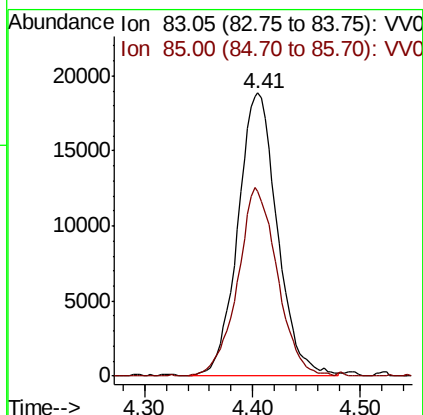
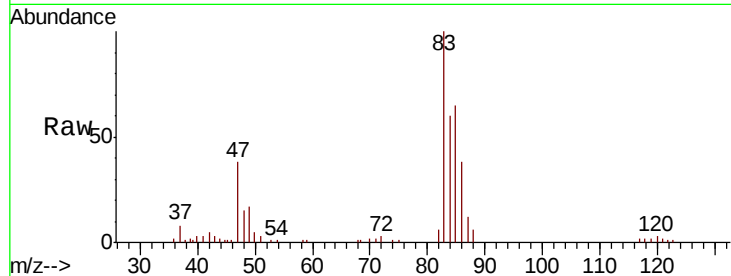




#25
Chloroform
Concen: 2.328 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV017141.D
Acq: 25 Jun 2020 20:48

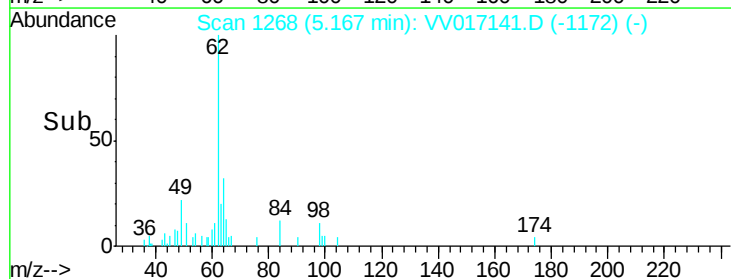
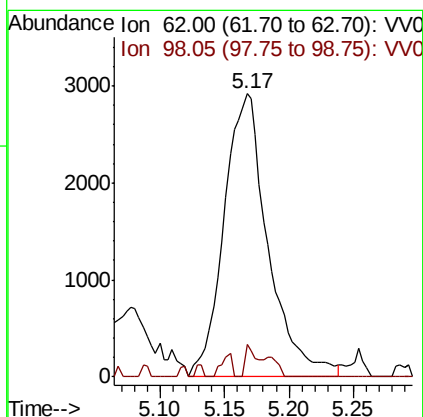
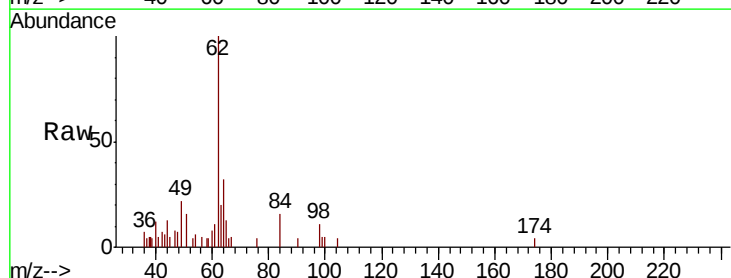
Instrument :
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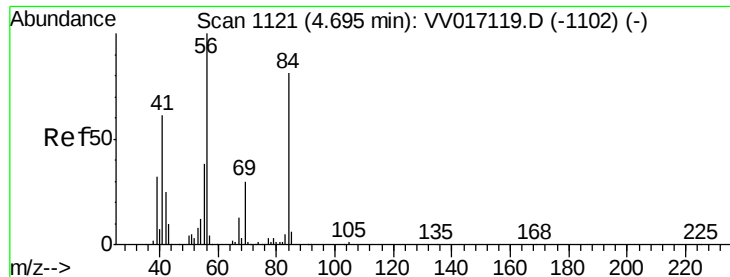
Tot Ion: 83 Resp: 47888
Ion Ratio Lower Upper
83 100
85 65.5 44.2 82.2



#27
1,2-Dichloroethane
Concen: 0.542 ug/L
RT: 5.17 min Scan# 1268
Delta R.T. 0.01 min
Lab File: VV017141.D
Acq: 25 Jun 2020 20:48

Tgt Ion: 62 Resp: 6932
Ion Ratio Lower Upper
62 100
98 11.3 6.7 10.1#

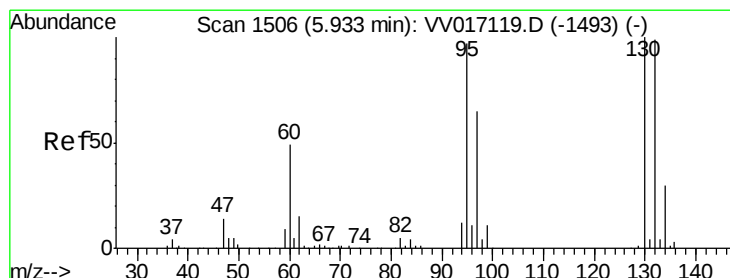
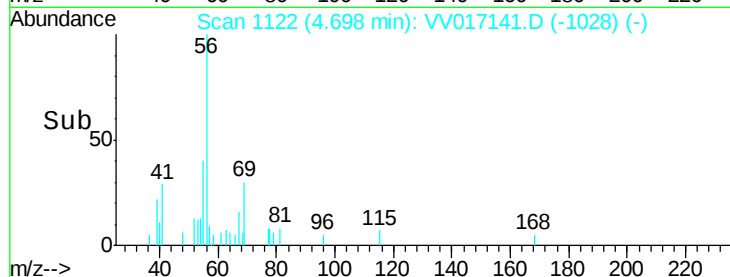
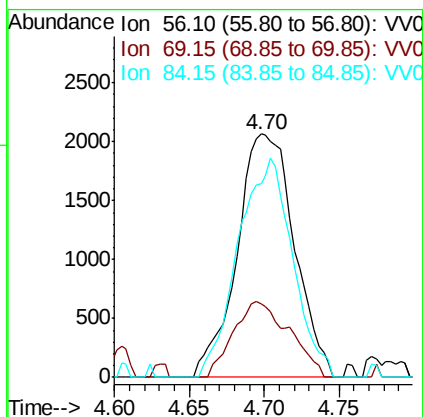
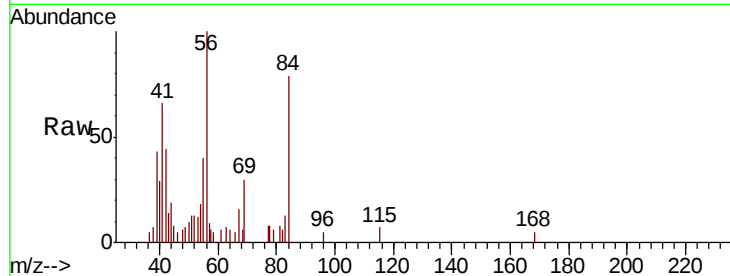




#30
Cvclohexane
Concen: 0.301 ug/L
RT: 4.70 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VV017141.D
Acq: 25 Jun 2020 20:48

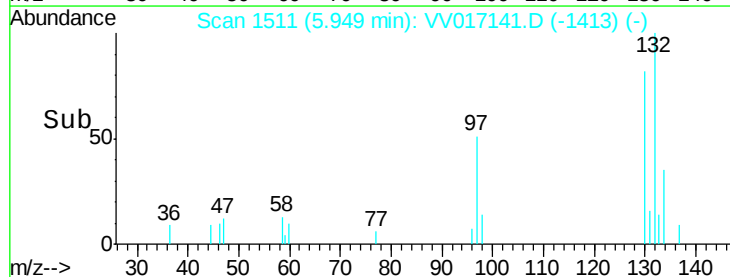
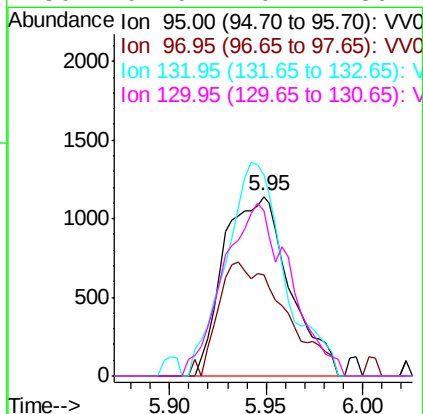
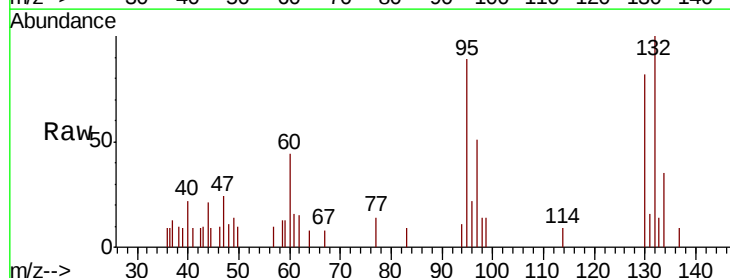
Instrument :
MSVOA_V
ClientSampled :
BFXN3

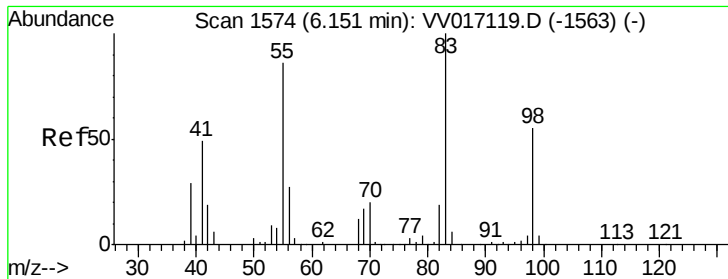
Tot Ion: 56 Resp: 5516
Ion Ratio Lower Upper
56 100
69 30.3 24.4 36.6
84 85.2 69.9 104.9



#34
Trichloroethene
Concen: 0.219 ug/L
RT: 5.95 min Scan# 1511
Delta R.T. 0.02 min
Lab File: VV017141.D
Acq: 25 Jun 2020 20:48

Tgt Ion: 95 Resp: 2709
Ion Ratio Lower Upper
95 100
97 56.6 45.3 84.1
132 112.0 68.8 127.8
130 91.9 70.2 130.4

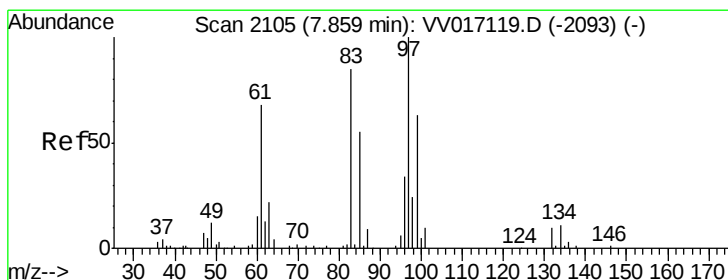
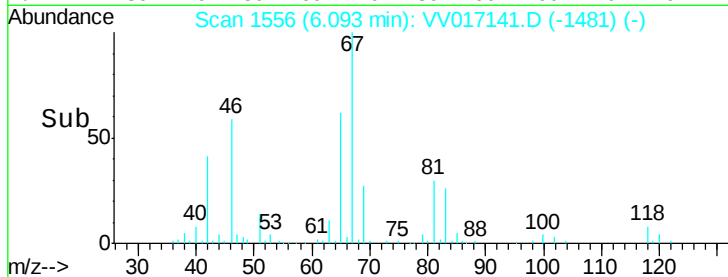
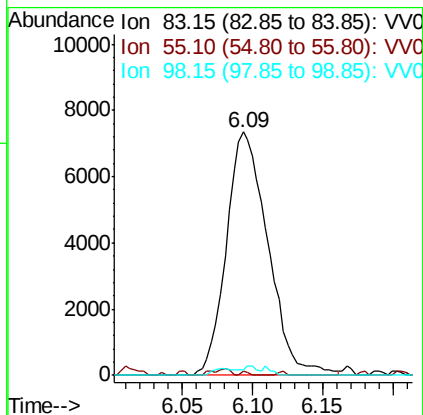
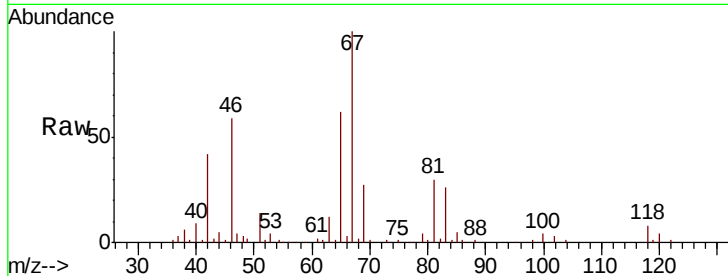




#35
Methvlcvclohexane
Concen: 0.787 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017141.D
Acq: 25 Jun 2020 20:48

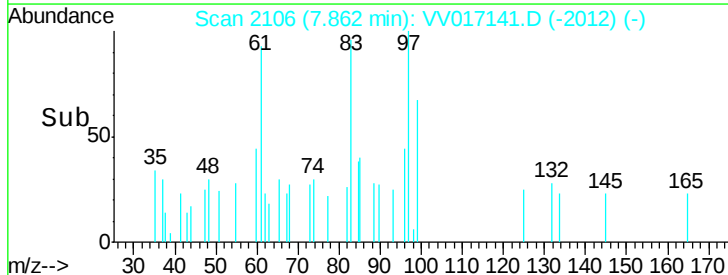
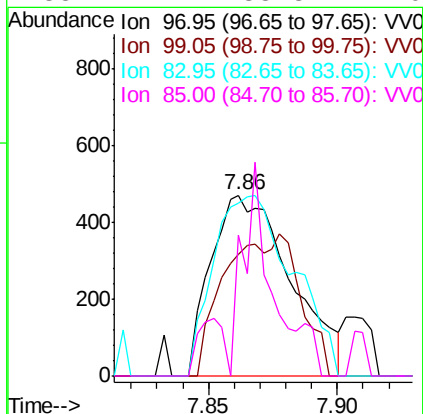
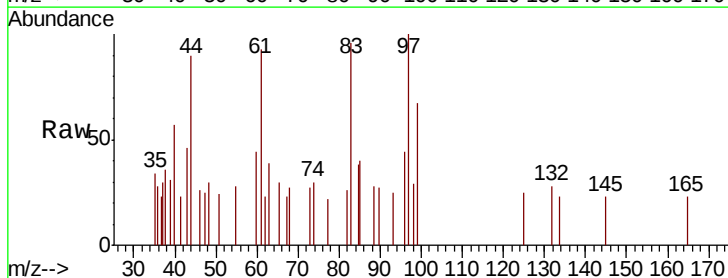
Instrument :
MSVOA_V
ClientSampleId :
BFXN3

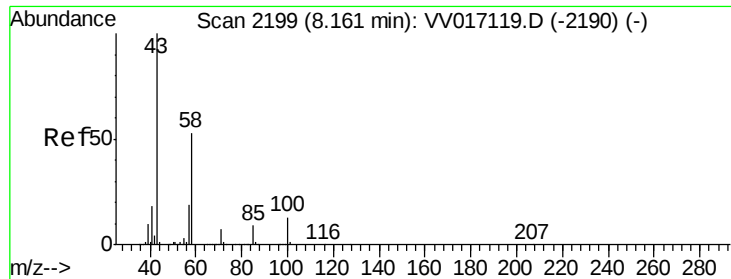
Tot Ion: 83 Resp: 15110
Ion Ratio Lower Upper
83 100
55 0.3 63.6 95.4#
98 1.1 38.8 58.2#



#47
1,1,2-Trichloroethane
Concen: 0.138 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV017141.D
Acq: 25 Jun 2020 20:48

Tgt Ion: 97 Resp: 1019
Ion Ratio Lower Upper
97 100
99 67.1 43.6 81.0
83 96.0 57.4 106.6
85 77.7 38.8 72.0#

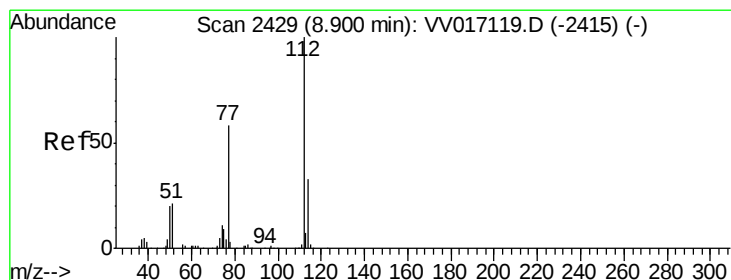
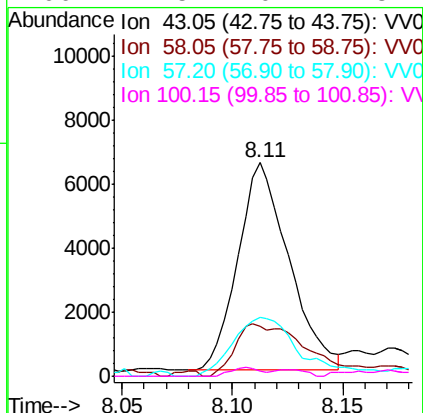
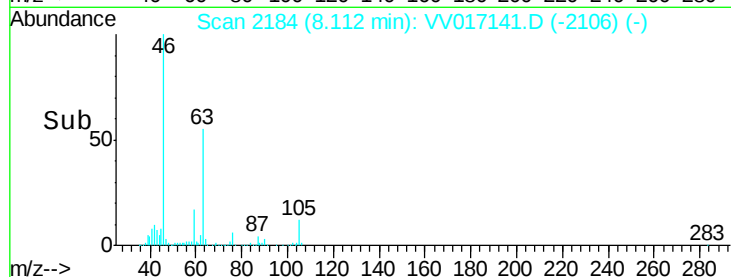
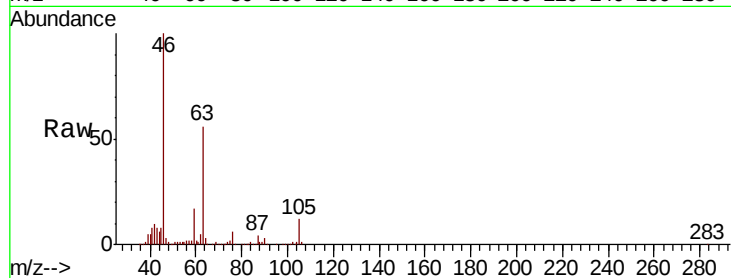




#50
2-Hexanone
Concen: 2.413 ug/L
RT: 8.11 min Scan# 2184
Delta R.T. -0.05 min
Lab File: VV017141.D
Acq: 25 Jun 2020 20:48

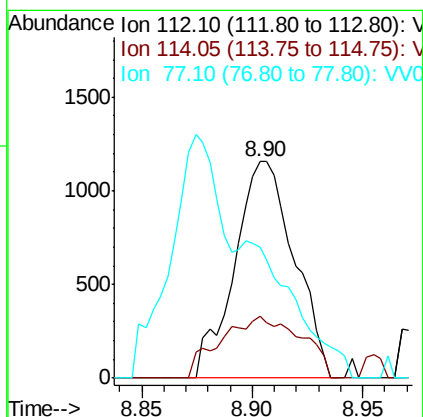
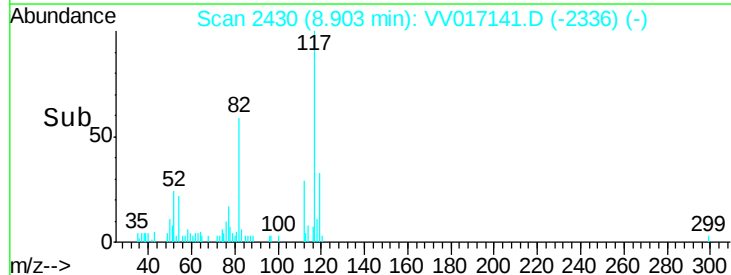
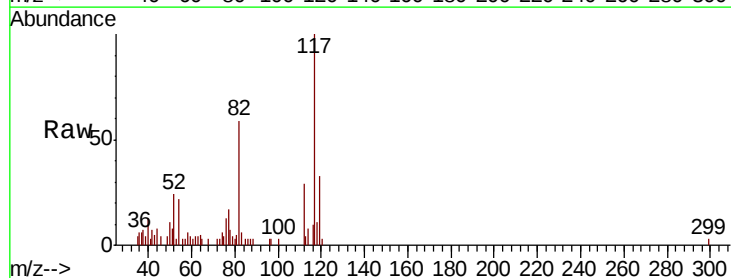
Instrument :
MSVOA_V
ClientSampleId :
BFXN3

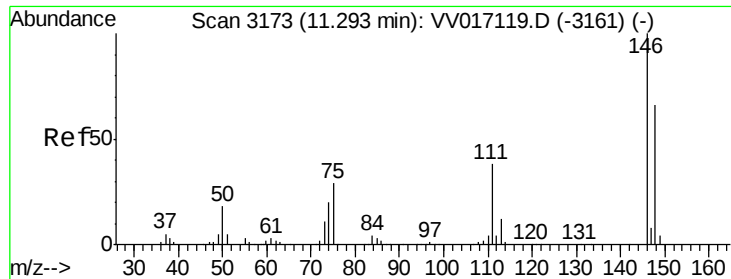
Tot Ion: 43 Resp: 10347
Ion Ratio Lower Upper
43 100
58 36.3 41.6 62.4#
57 37.8 15.4 23.0#
100 2.5 10.1 15.1#



#53
Chlorobenzene
Concen: 0.071 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017141.D
Acq: 25 Jun 2020 20:48

Tgt Ion: 112 Resp: 2176
Ion Ratio Lower Upper
112 100
114 28.5 22.0 41.0
77 60.5 46.0 69.0





#64

1,4-Dichlorobenzene

Concen: 0.084 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017141.D

Acq: 25 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampled :

BFXN3

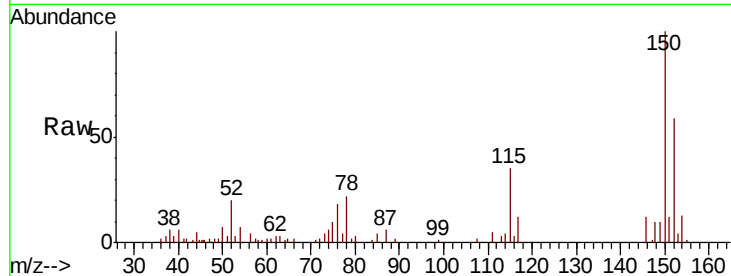
Tot Ion:146 Resp: 1876

Ion Ratio Lower Upper

146 100

111 43.2 27.4 50.8

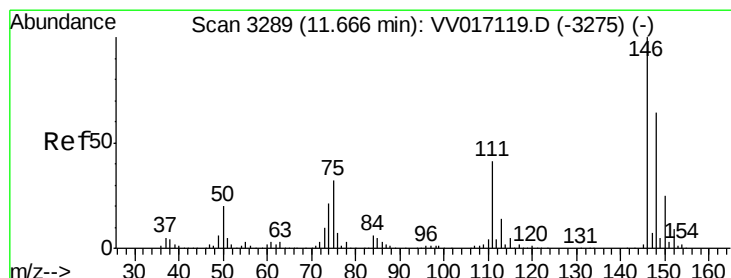
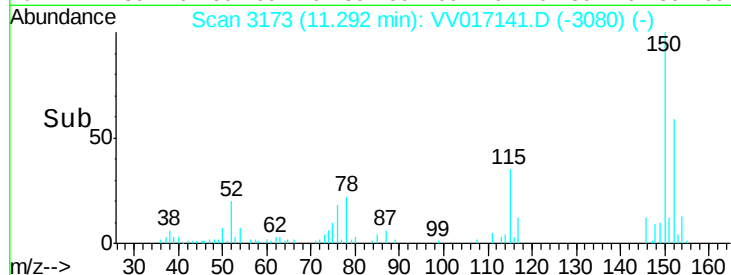
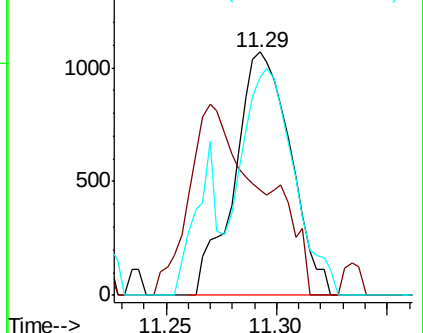
148 89.6 44.3 82.3#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 0.089 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017141.D

Acq: 25 Jun 2020 20:48

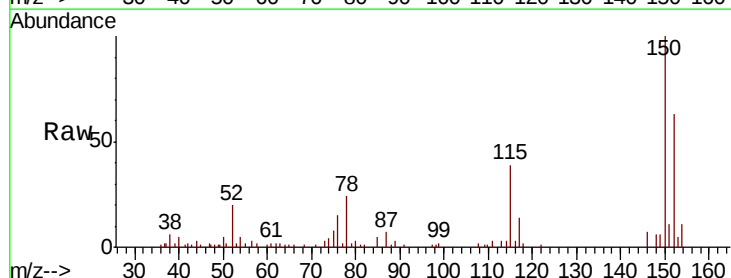
Tgt Ion:146 Resp: 1782

Ion Ratio Lower Upper

146 100

111 47.5 34.4 51.6

148 77.5 49.9 74.9#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

