

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062420\
 Data File : VV017083.D
 Acq On : 24 Jun 2020 19:53
 Operator : SY/MD
 Sample : L3105-07
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXL0

Quant Time: Jun 25 03:01:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 01:16:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	165148	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	159705	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	73664	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37522	3.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.60%
7) Chloroethane-d5	1.58	69	31395	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.13	63	63223	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	3.93	46	118190	46.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.58%
24) Chloroform-d	4.38	84	100083	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.06	65	52840	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.07	84	186320	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.10	67	56645	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.34	98	164605	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
45) trans-1,3-Dichloropropene-	7.64	79	21045	4.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.40%
48) 2-Hexanone-d5	8.11	63	86223	43.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.60%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39399	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	68237	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	29179	2.693	ug/L	98
12) 1,1-Dichloroethene	2.14	96	7132	0.900	ug/L #	6
13) Acetone	2.21	43	9579	7.501	ug/L	69
18) trans-1,2-Dichloroethene	2.78	96	3530	0.420	ug/L	80
19) 1,1-Dichloroethane	3.21	63	71607	3.794	ug/L	99
22) cis-1,2-Dichloroethene	3.94	96	403148	35.100	ug/L	98
25) Chloroform	4.40	83	33130	1.607	ug/L	99
29) 1,1,1-Trichloroethane	4.64	97	7239	0.378	ug/L	89
30) Cyclohexane	4.70	56	5038	0.277	ug/L	98
33) Benzene	5.13	78	6953	0.166	ug/L	100
34) Trichloroethene	5.94	95	15956	1.303	ug/L	96
47) 1,1,2-Trichloroethane	7.86	97	2288	0.312	ug/L	97
53) Chlorobenzene	8.90	112	120025	3.960	ug/L	99
63) 1,3-Dichlorobenzene	11.21	146	4595	0.207	ug/L	91
64) 1,4-Dichlorobenzene	11.30	146	7903	0.351	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	3753	0.186	ug/L #	86
69) 1,2,4-trichlorobenzene	13.29	180	3387	0.231	ug/L	98

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ClientSampleId :
BFXL0

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 25 01:16:55 2020
Response via : Initial Calibration

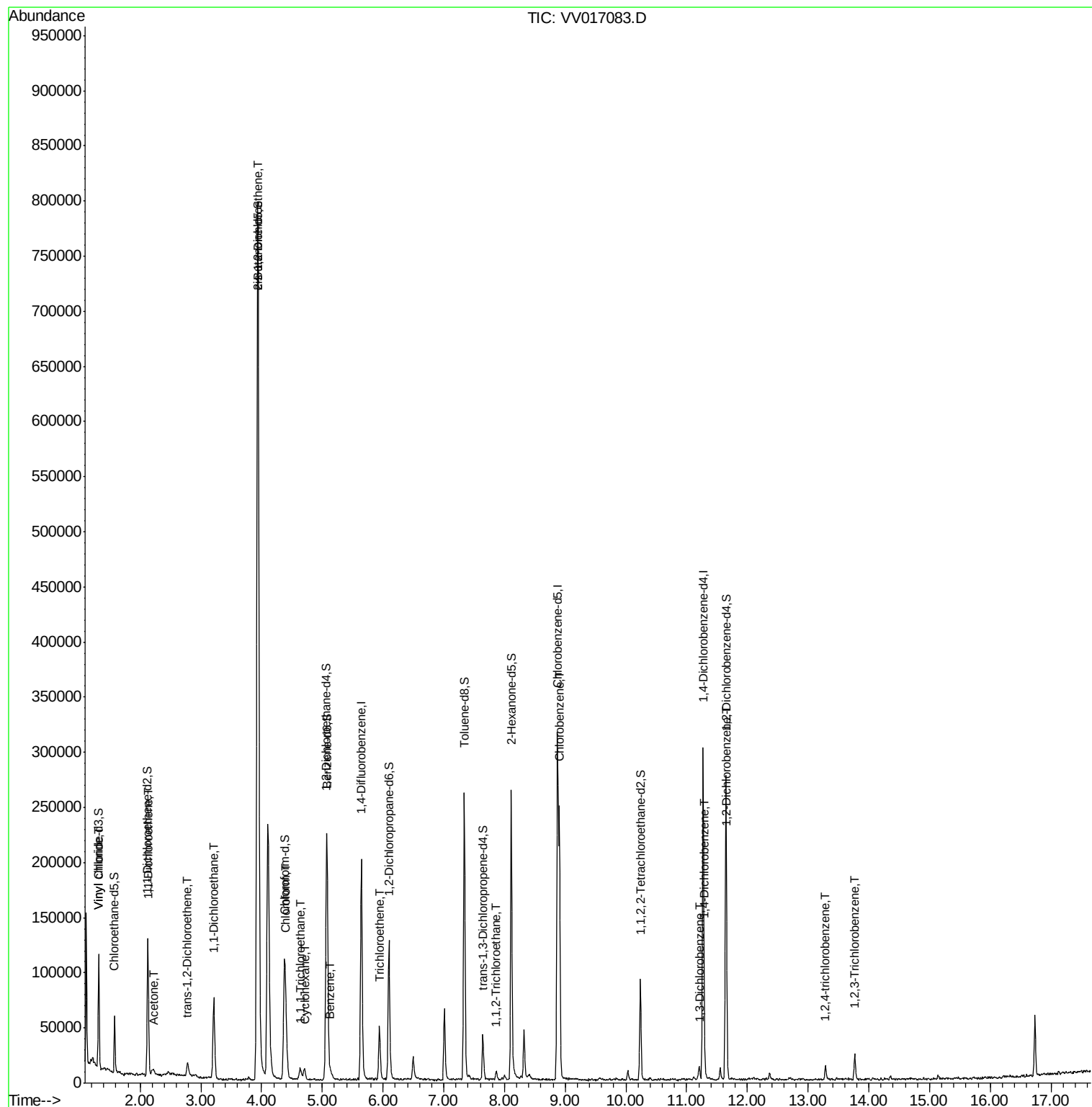
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 1,2,3-Trichlorobenzene	13.77	180	6120	0.512	ug/L	97

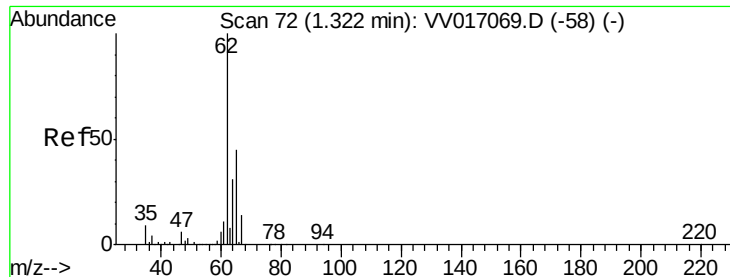
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 25 01:16:55 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.693 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV017083.D

Acq: 24 Jun 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

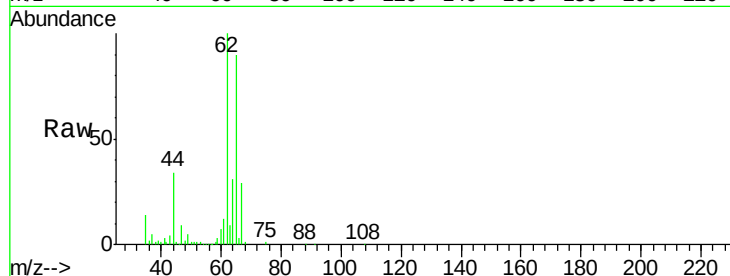
BFXL0

Tot Ion: 62 Resp: 29179

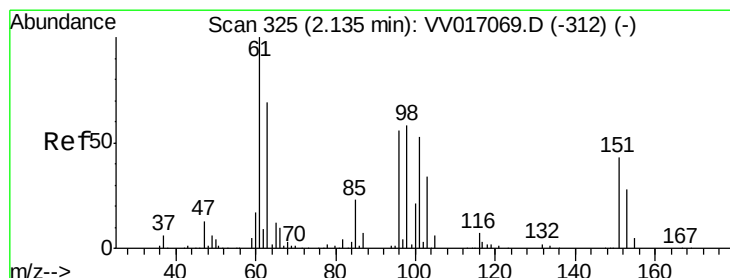
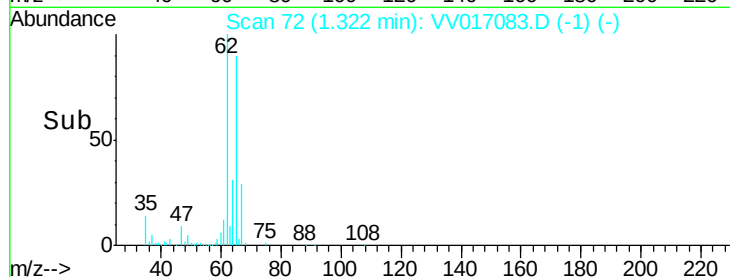
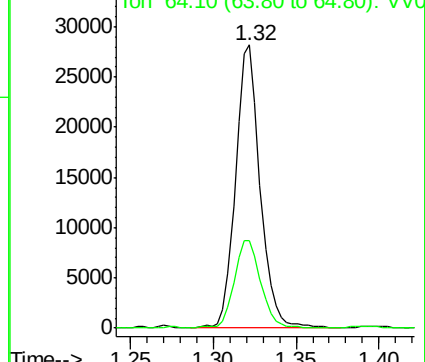
Ion Ratio Lower Upper

62 100

64 31.0 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0



#12

1,1-Dichloroethene

Concen: 0.900 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV017083.D

Acq: 24 Jun 2020 19:53

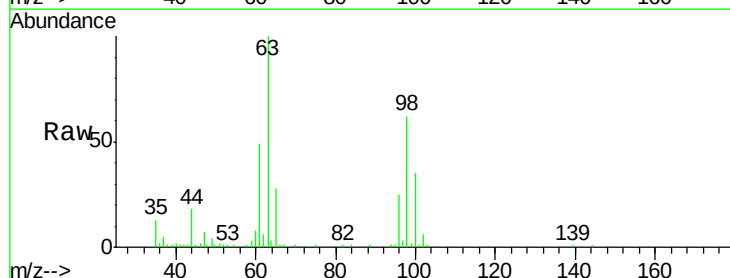
Tgt Ion: 96 Resp: 7132

Ion Ratio Lower Upper

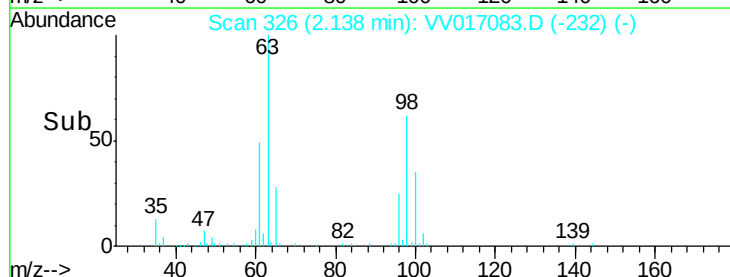
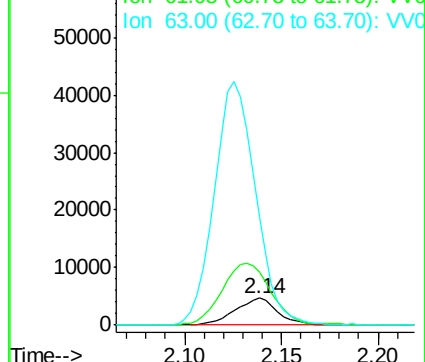
96 100

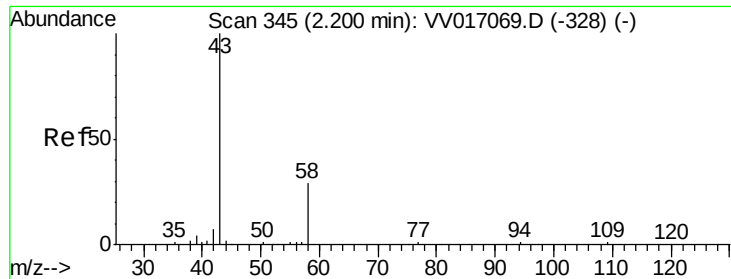
61 195.5 125.0 232.2

63 401.3 109.8 203.8#



Abundance Ion 96.00 (95.70 to 96.70): VV0





#13

Acetone

Concen: 7.501 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.01 min

Lab File: VV017083.D

Acq: 24 Jun 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

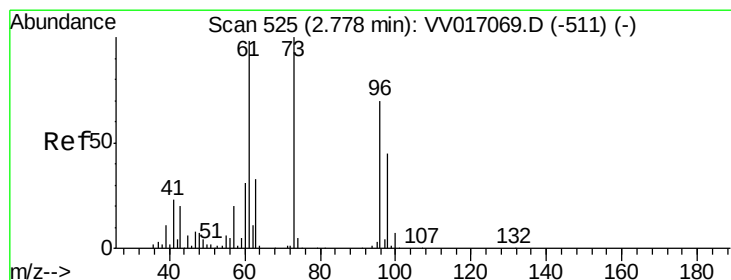
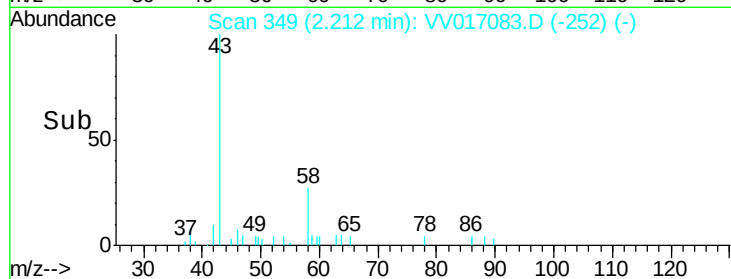
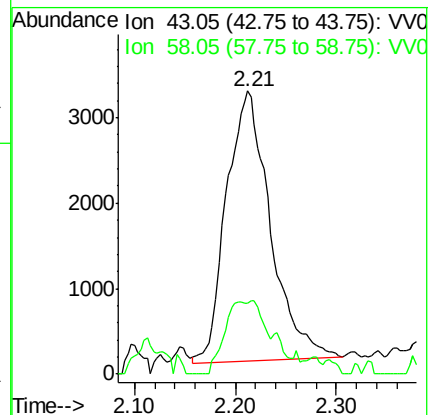
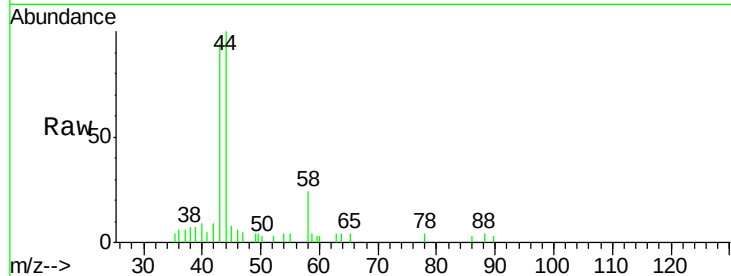
BFXL0

Tot Ion: 43 Resp: 9579

Ion Ratio Lower Upper

43 100

58 12.9 0.0 58.4



#18

trans-1,2-Dichloroethene

Concen: 0.420 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017083.D

Acq: 24 Jun 2020 19:53

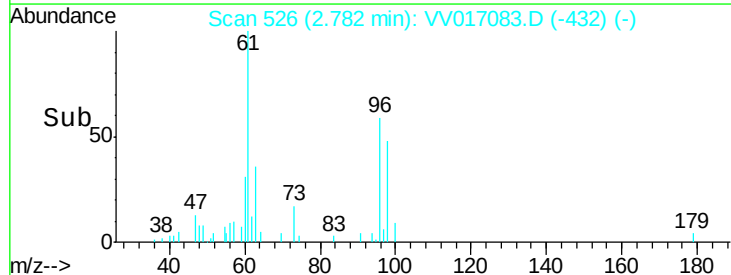
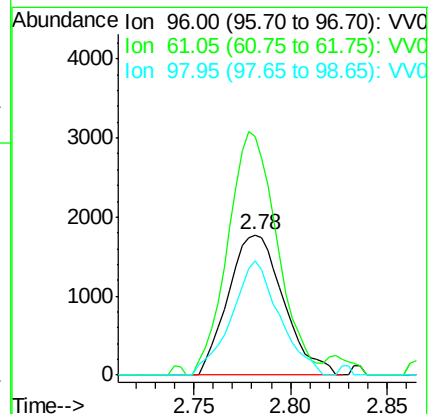
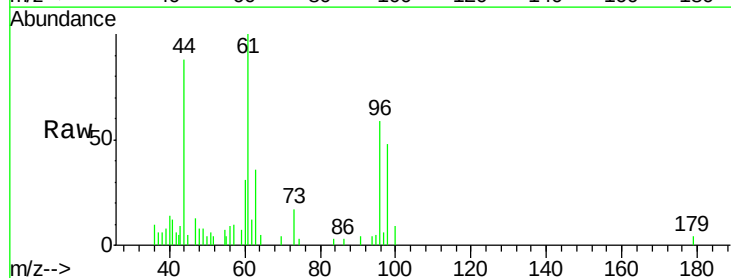
Tgt Ion: 96 Resp: 3530

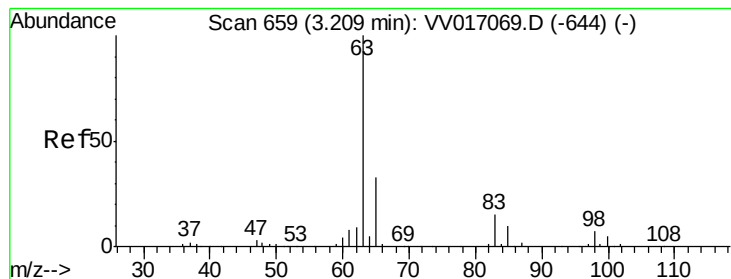
Ion Ratio Lower Upper

96 100

61 169.9 102.3 189.9

98 81.7 44.7 82.9





#19

1,1-Dichloroethane

Concen: 3.794 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV017083.D

Acq: 24 Jun 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

BFXL0

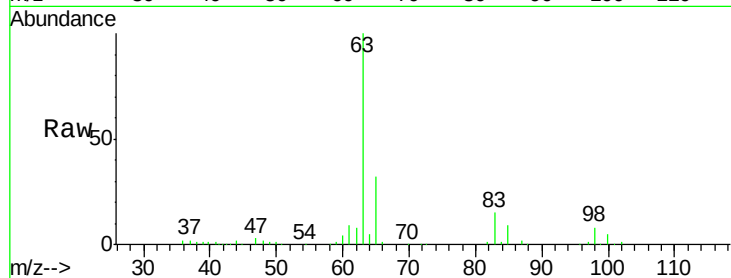
Tot Ion: 63 Resp: 71607

Ion Ratio Lower Upper

63 100

65 31.7 21.8 40.4

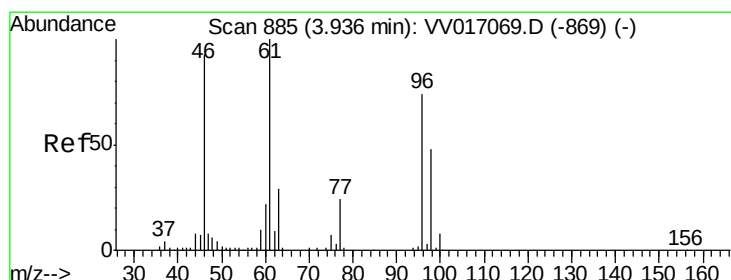
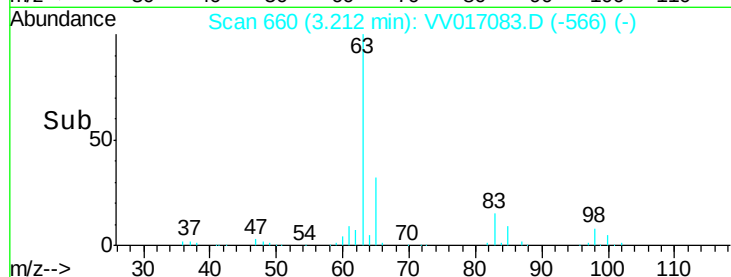
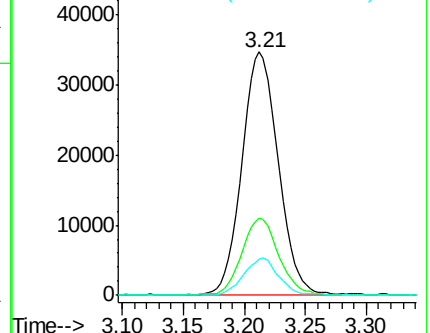
83 14.7 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VV017069.D (-644) (-)

Ion 65.10 (64.80 to 65.80): VV017069.D (-644) (-)

Ion 83.05 (82.75 to 83.75): VV017069.D (-644) (-)



#22

cis-1,2-Dichloroethene

Concen: 35.100 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017083.D

Acq: 24 Jun 2020 19:53

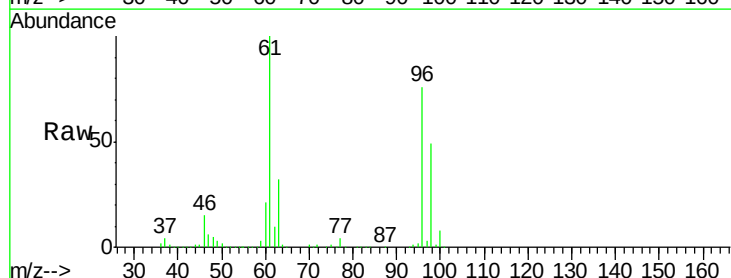
Tgt Ion: 96 Resp: 403148

Ion Ratio Lower Upper

96 100

61 132.2 91.0 169.0

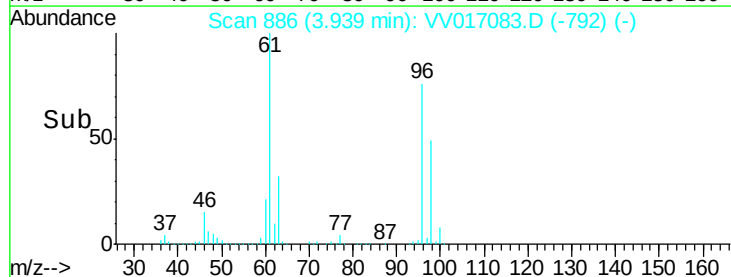
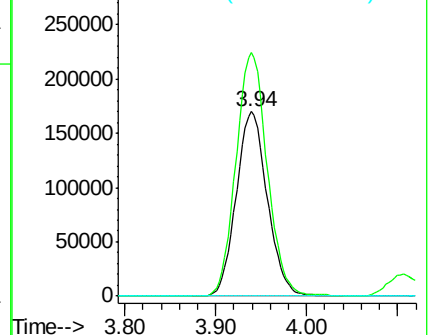
68 0.0 0.0 0.0

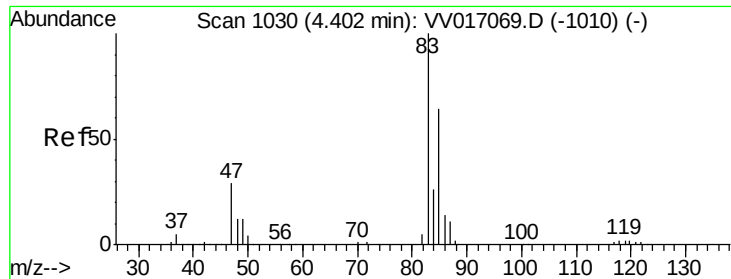


Abundance Ion 96.00 (95.70 to 96.70): VV017069.D (-869) (-)

Ion 61.05 (60.75 to 61.75): VV017069.D (-869) (-)

Ion 68.15 (67.85 to 68.85): VV017069.D (-869) (-)

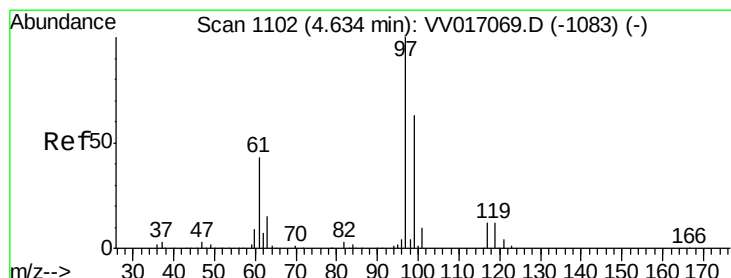
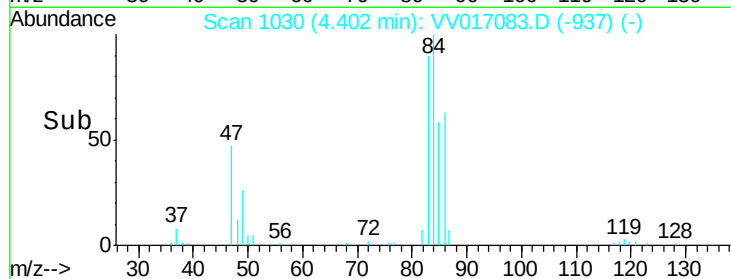
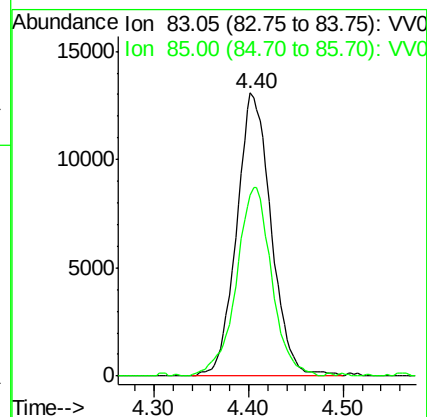
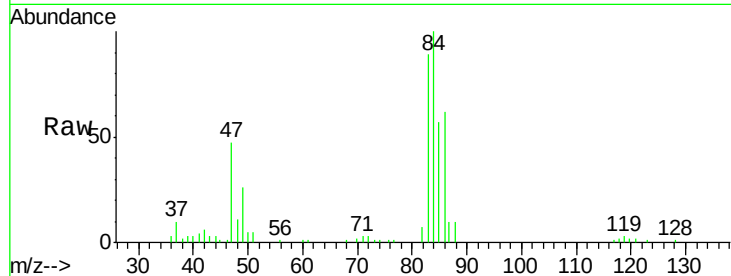




#25
Chloroform
Concen: 1.607 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV017083.D
Acq: 24 Jun 2020 19:53

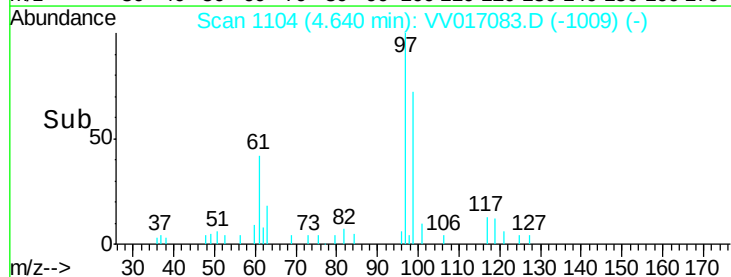
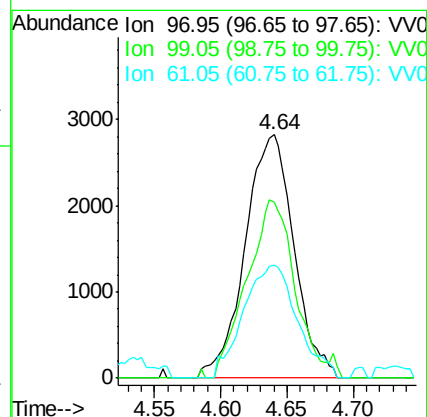
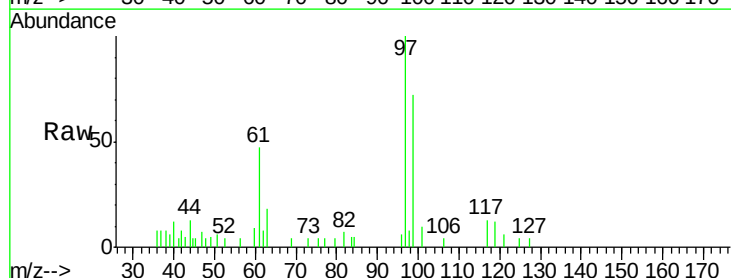
Instrument :
MSVOA_V
ClientSampled :
BFXL0

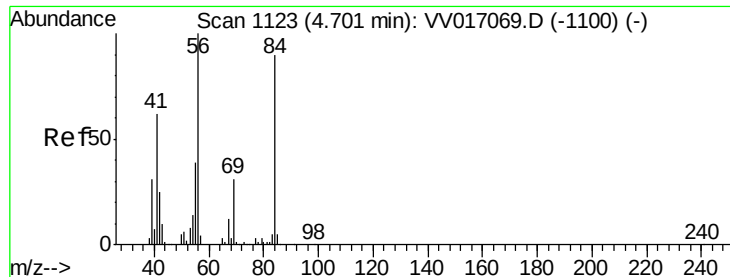
Tot Ion: 83 Resp: 33130
Ion Ratio Lower Upper
83 100
85 63.8 44.2 82.2



#29
1,1,1-Trichloroethane
Concen: 0.378 ug/L
RT: 4.64 min Scan# 1104
Delta R.T. 0.01 min
Lab File: VV017083.D
Acq: 24 Jun 2020 19:53

Tgt Ion: 97 Resp: 7239
Ion Ratio Lower Upper
97 100
99 71.8 50.3 75.5
61 51.2 36.0 54.0

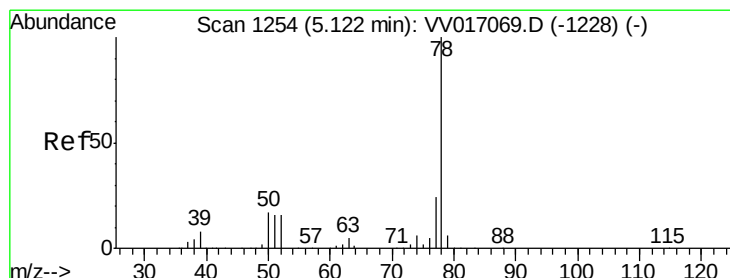
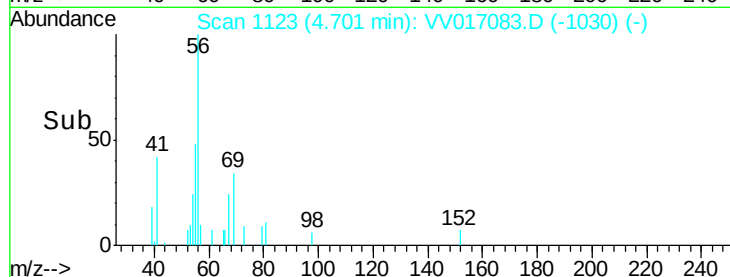
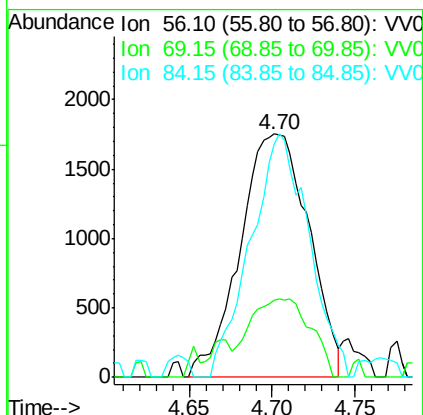
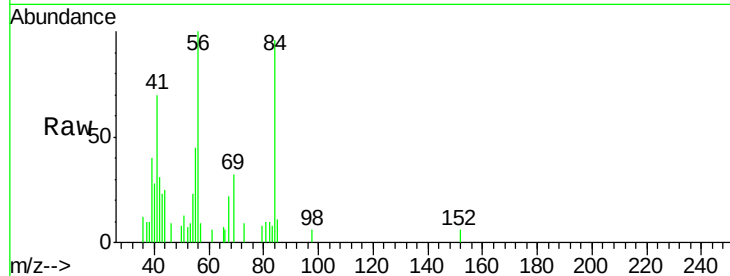




#30
Cyclohexane
Concen: 0.277 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV017083.D
Acq: 24 Jun 2020 19:53

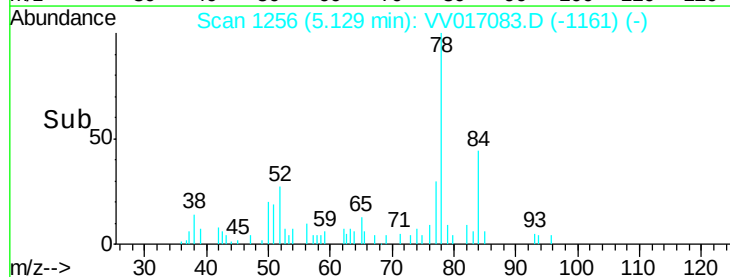
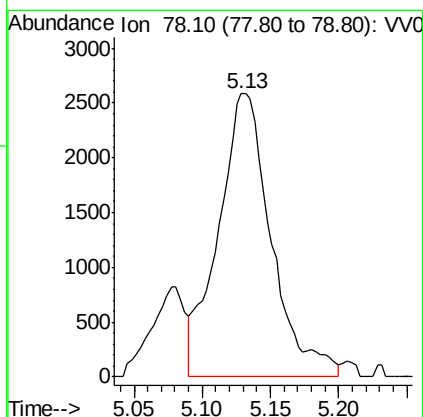
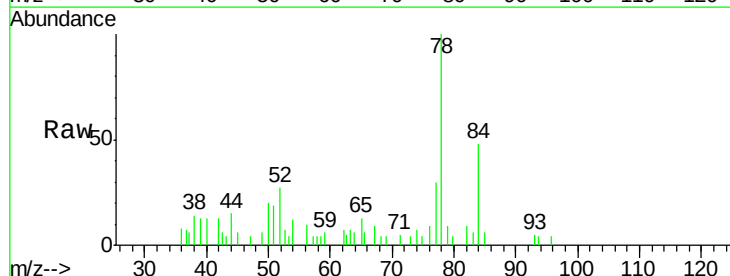
Instrument :
MSVOA_V
ClientSampleId :
BFXL0

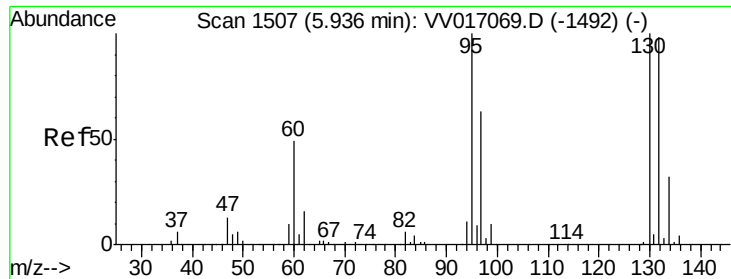
Tot Ion	56	Resp	5038
Ion	Ratio	Lower	Upper
56	100		
69	28.7	24.4	36.6
84	85.3	69.9	104.9



#33
Benzene
Concen: 0.166 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV017083.D
Acq: 24 Jun 2020 19:53

Tgt Ion: 78 Resp: 6953





#34

Trichloroethene

Concen: 1.303 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017083.D

Acq: 24 Jun 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

BFXL0

Tot Ion: 95 Resp: 15956

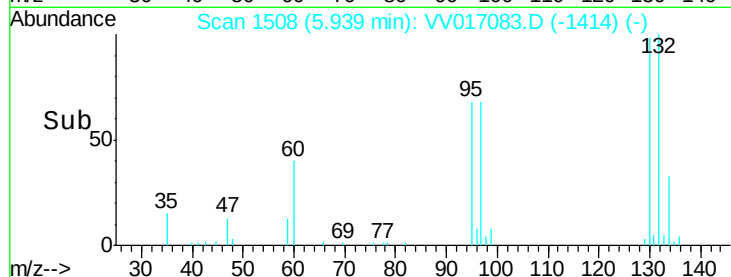
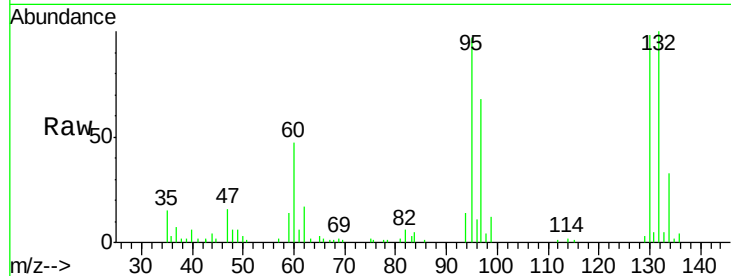
Ion Ratio Lower Upper

95 100

97 70.0 45.3 84.1

132 102.9 68.8 127.8

130 101.0 70.2 130.4

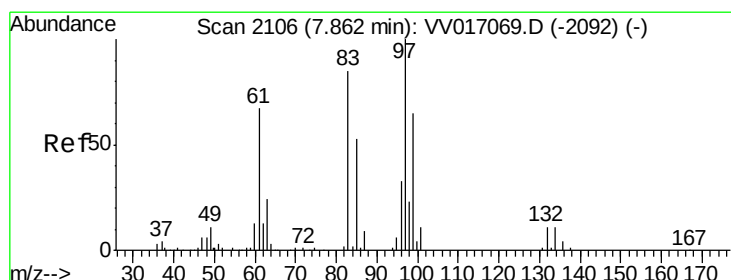
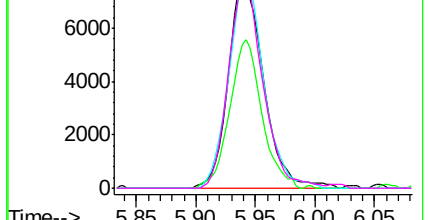


Abundance Ion 95.00 (94.70 to 95.70): VV017069.D (-1492) (-)

Ion 96.95 (96.65 to 97.65): VV017069.D (-1492) (-)

Ion 131.95 (131.65 to 132.65): VV017069.D (-1492) (-)

Ion 129.95 (129.65 to 130.65): VV017069.D (-1492) (-)



#47

1,1,2-Trichloroethane

Concen: 0.312 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VV017083.D

Acq: 24 Jun 2020 19:53

Tgt Ion: 97 Resp: 2288

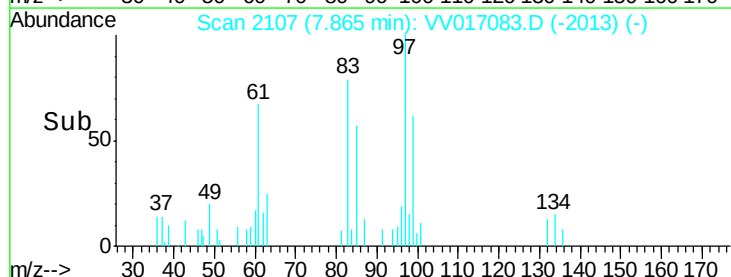
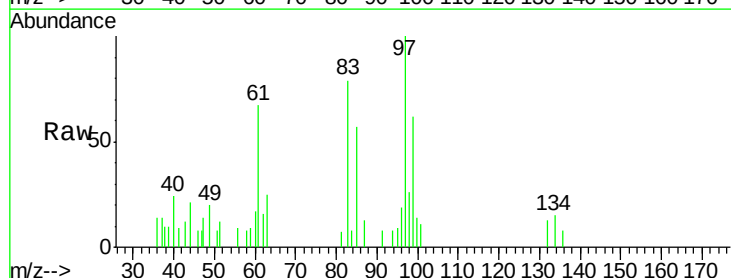
Ion Ratio Lower Upper

97 100

99 62.2 43.6 81.0

83 87.7 57.4 106.6

85 57.4 38.8 72.0

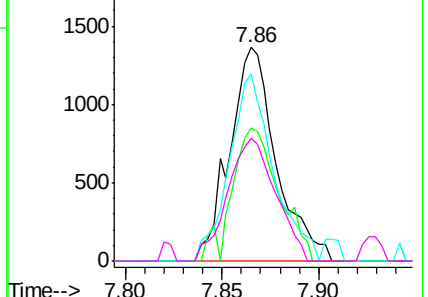


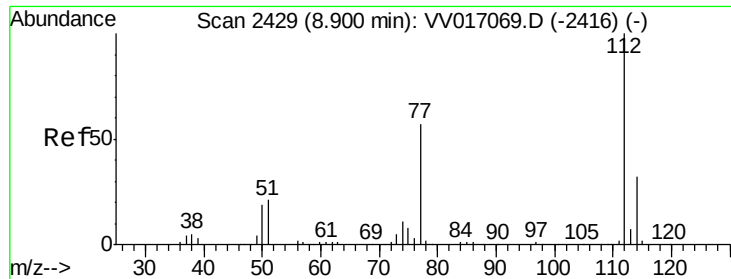
Abundance Ion 96.95 (96.65 to 97.65): VV017069.D (-2092) (-)

Ion 99.05 (98.75 to 99.75): VV017069.D (-2092) (-)

Ion 82.95 (82.65 to 83.65): VV017069.D (-2092) (-)

Ion 85.00 (84.70 to 85.70): VV017069.D (-2092) (-)





#53

Chlorobenzene

Concen: 3.960 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017083.D

Acq: 24 Jun 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

BFXL0

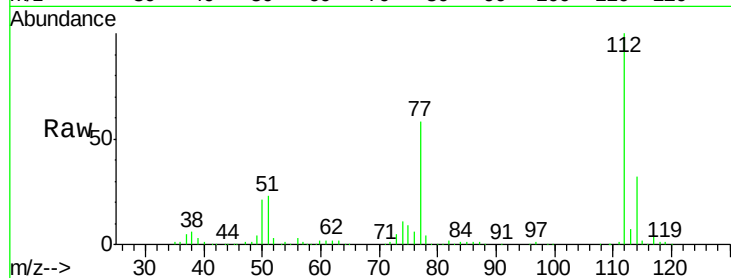
Tot Ion:112 Resp: 120025

Ion Ratio Lower Upper

112 100

114 31.7 22.0 41.0

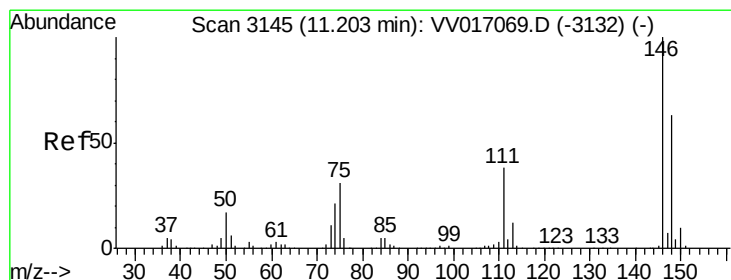
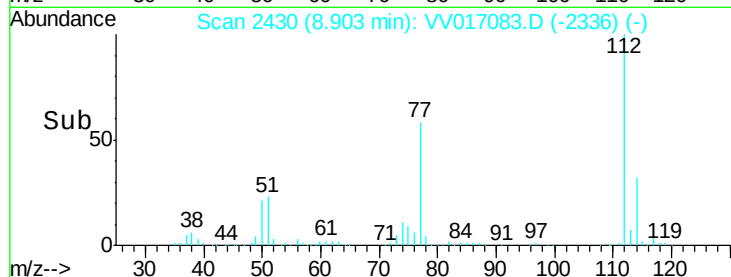
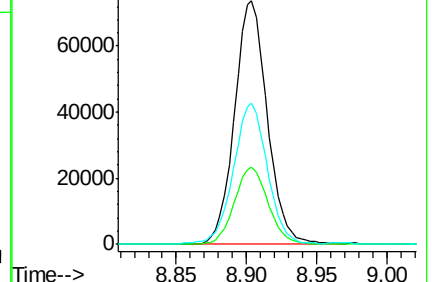
77 57.9 46.0 69.0



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#63

1,3-Dichlorobenzene

Concen: 0.207 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV017083.D

Acq: 24 Jun 2020 19:53

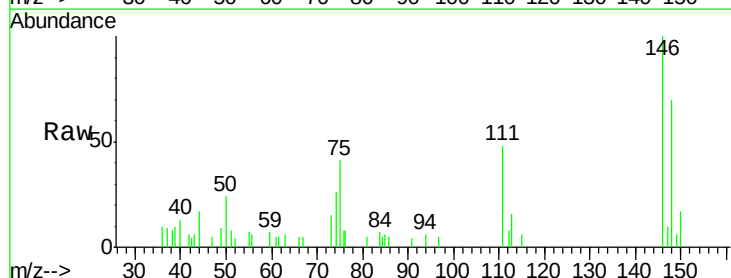
Tgt Ion:146 Resp: 4595

Ion Ratio Lower Upper

146 100

111 48.5 29.2 54.2

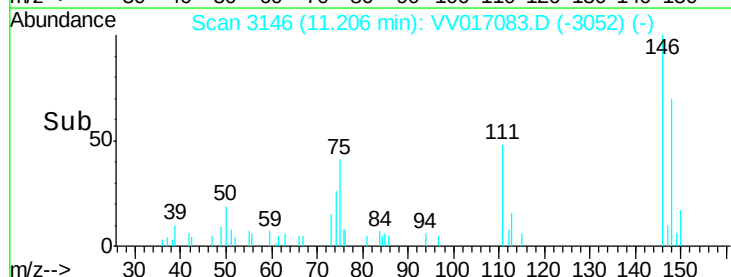
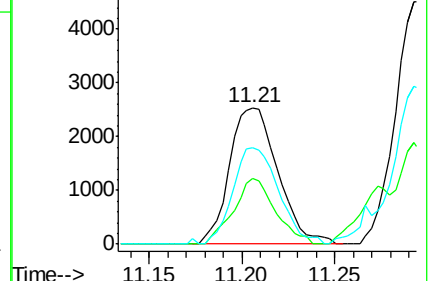
148 70.2 44.9 83.5

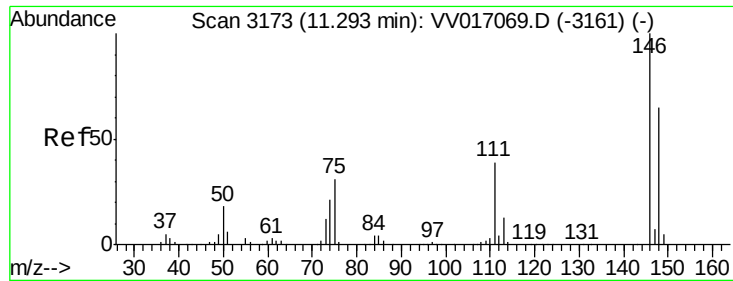


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

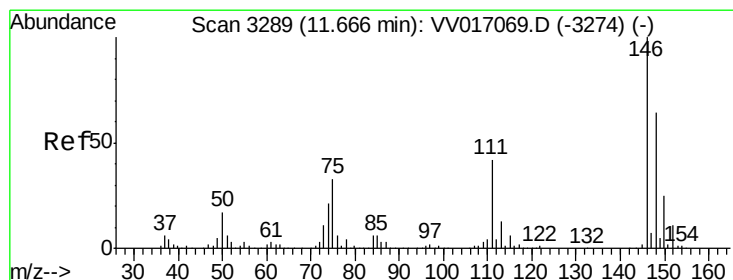
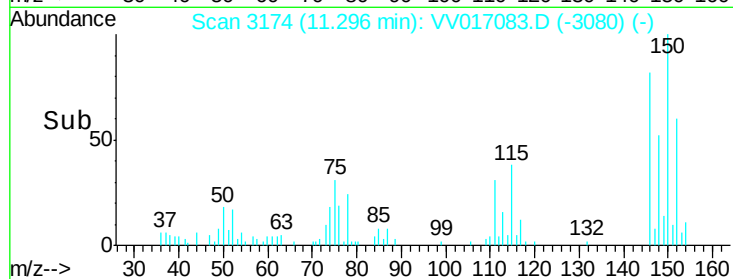
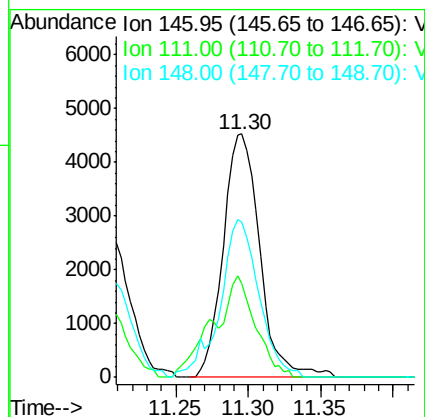
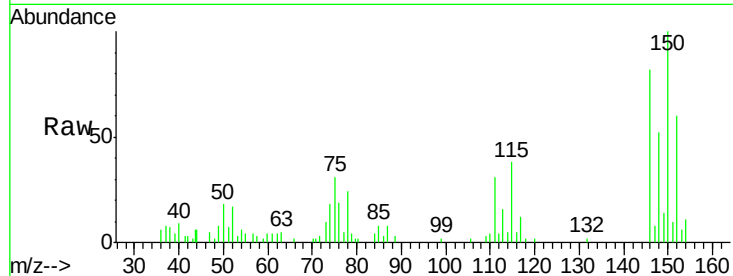




#64
 1,4-Dichlorobenzene
 Concen: 0.351 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV017083.D
 Acq: 24 Jun 2020 19:53

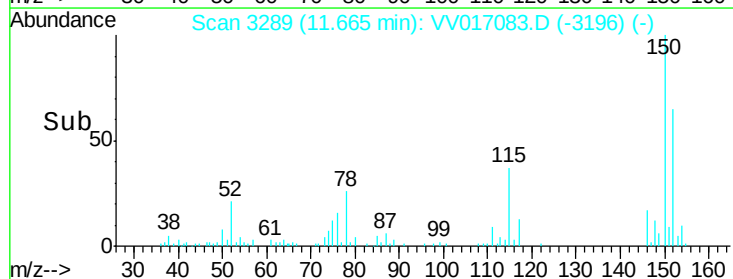
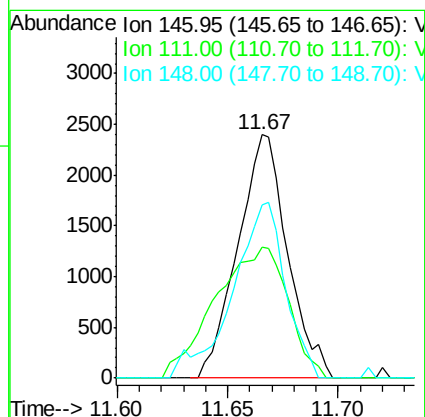
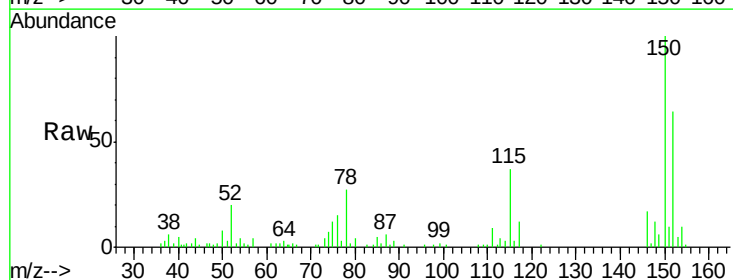
Instrument :
 MSVOA_V
 ClientSampled :
 BFXL0

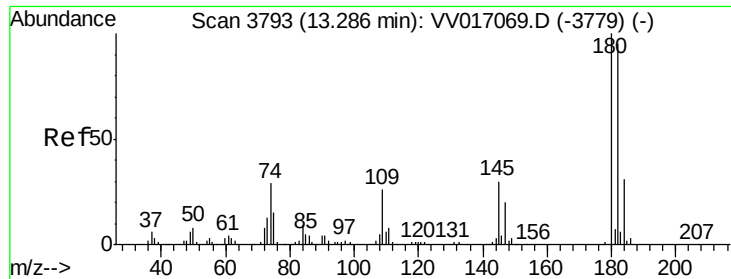
Tot Ion:146 Resp: 7903
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.4 50.8
 148 63.6 44.3 82.3



#66
 1,2-Dichlorobenzene
 Concen: 0.186 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017083.D
 Acq: 24 Jun 2020 19:53

Tgt Ion:146 Resp: 3753
 Ion Ratio Lower Upper
 146 100
 111 54.0 34.4 51.6#
 148 71.2 49.9 74.9

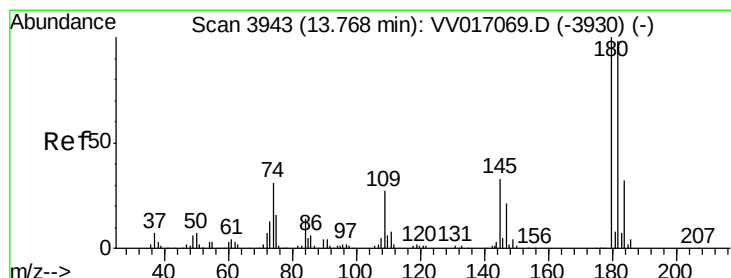
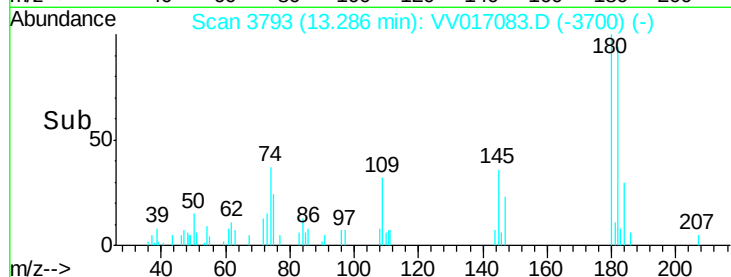
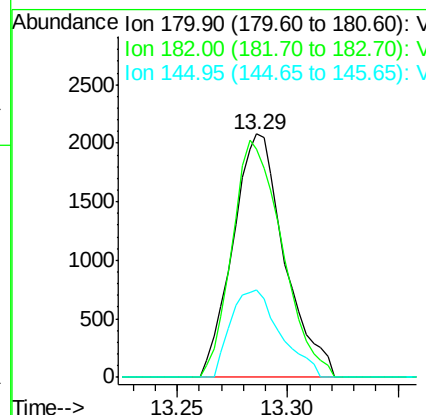
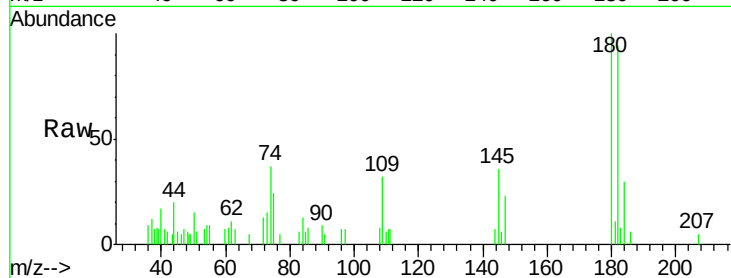




#69
 1,2,4-trichlorobenzene
 Concen: 0.231 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV017083.D
 Acq: 24 Jun 2020 19:53

Instrument :
 MSVOA_V
 ClientSampled :
 BFXL0

Tot Ion:180 Resp: 3387
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.6 114.8
 145 34.4 25.0 37.6



#71
 1,2,3-Trichlorobenzene
 Concen: 0.512 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV017083.D
 Acq: 24 Jun 2020 19:53

Tgt Ion:180 Resp: 6120
 Ion Ratio Lower Upper
 180 100
 182 99.4 77.4 116.0
 145 35.0 25.9 38.9

