

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102220\
 Data File : VV019078.D
 Acq On : 22 Oct 2020 19:23
 Operator : SY/MD
 Sample : L4471-09
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Z8

Quant Time: Oct 23 06:33:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 13:54:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	292984	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	286431	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	134840	50.00	ug/L	0.00

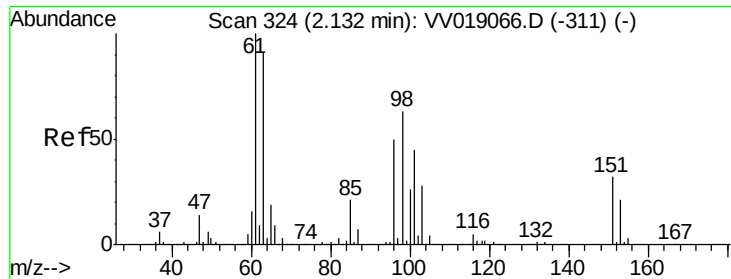
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	122226	45.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.84%
7) Chloroethane-d5	1.58	69	100569	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.88%
11) 1,1-Dichloroethene-d2	2.12	63	187432	37.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.20%
21) 2-Butanone-d5	3.91	46	165544	92.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.48%
24) Chloroform-d	4.38	84	213506	45.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.72%
26) 1,2-Dichloroethane-d4	5.06	65	147866	47.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.50%
32) Benzene-d6	5.07	84	425961	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.24%
36) 1,2-Dichloropropane-d6	6.09	67	138239	48.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.42%
41) Toluene-d8	7.34	98	373155	47.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.26%
43) trans-1,3-Dichloropropene-	7.64	79	66687	45.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.70%
47) 2-Hexanone-d5	8.11	63	121101	98.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.14%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	165791	43.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.78%
64) 1,2-Dichlorobenzene-d4	11.65	152	140514	49.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1757	0.898	ug/L #	20
12) 1,1-Dichloroethene	2.12	96	1647	0.842	ug/L #	1
13) Acetone	2.19	43	4684	3.861	ug/L #	1
27) 1,2-Dichloroethane	5.07	62	2871	0.841	ug/L #	76
34) Trichloroethene	5.94	95	12523	5.652	ug/L	97
38) Bromodichloromethane	6.54	83	2020	0.661	ug/L #	96
45) 1,1,2-Trichloroethane	7.99	97	2420	1.135	ug/L #	1
46) Tetrachloroethene	8.00	164	282904	166.377	ug/L	99
49) Dibromochloromethane	8.27	129	5100	2.188	ug/L	98
59) 1,2,3-Trichloropropane	11.27	75	17523	6.208	ug/L	93
61) Bromoform	9.75	173	4523	2.979	ug/L	98

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



#10

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

Concen: 0.898 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019078.D

Acq: 22 Oct 2020 19:23

Instrument :

MSVOA_V

ClientSampled :

BG3Z8

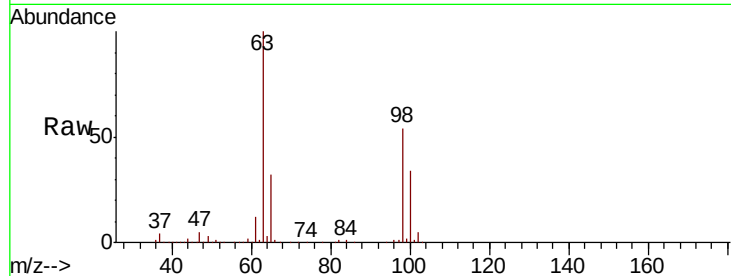
Tot Ion:101 Resp: 1757

Ion Ratio Lower Upper

101 100

85 0.0 36.9 55.3#

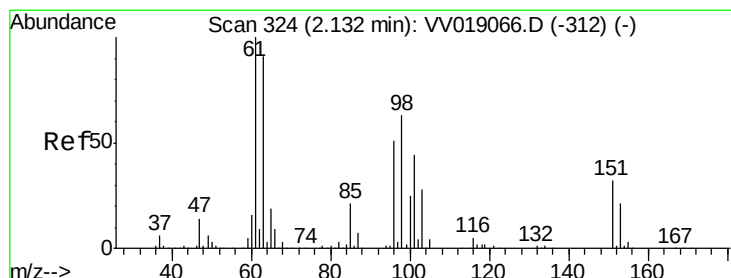
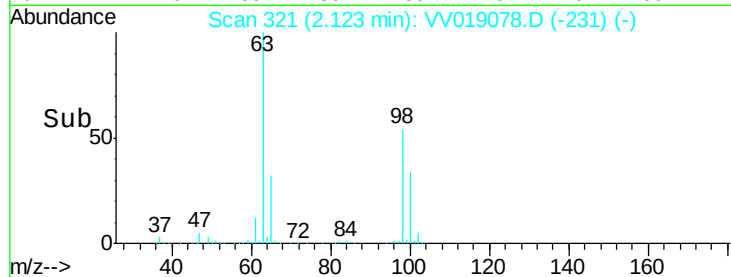
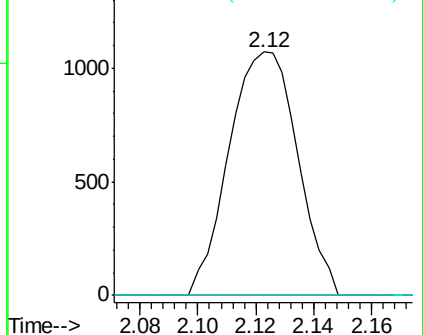
151 0.0 58.2 87.2#



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: 0.842 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019078.D

Acq: 22 Oct 2020 19:23

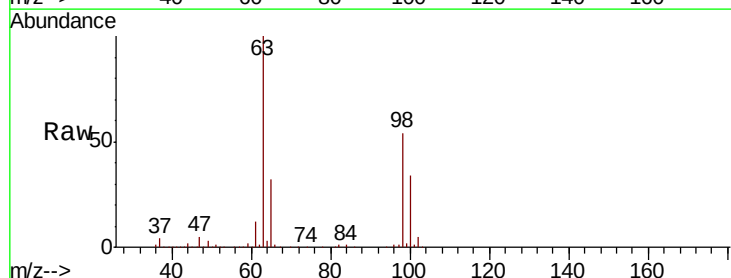
Tgt Ion: 96 Resp: 1647

Ion Ratio Lower Upper

96 100

61 1505.8 138.7 257.7#

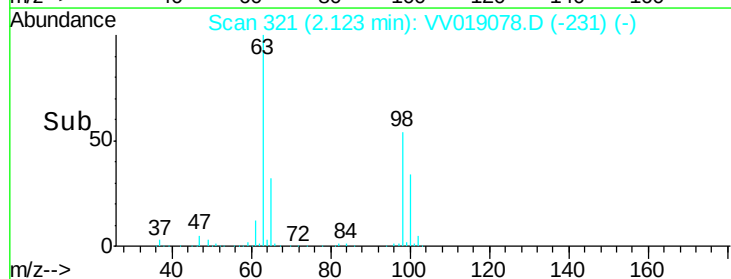
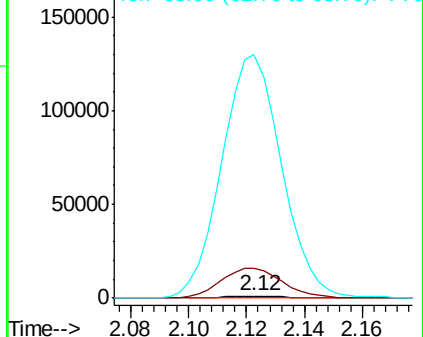
63 12176.9 126.3 234.6#

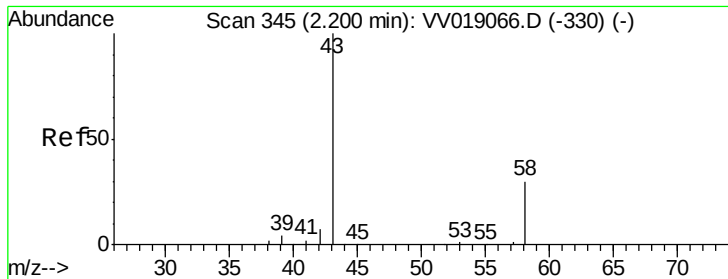


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.861 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.01 min

Lab File: VV019078.D

Acq: 22 Oct 2020 19:23

Instrument :

MSVOA_V

ClientSampled :

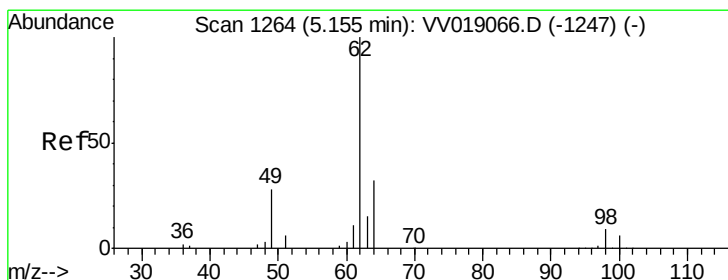
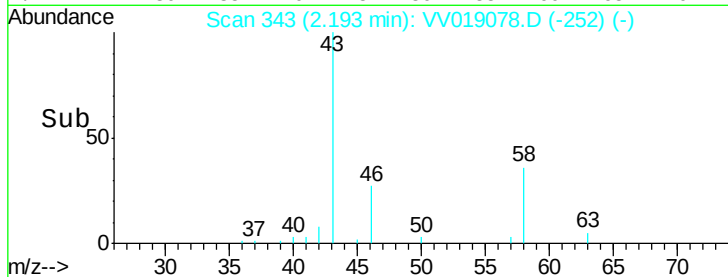
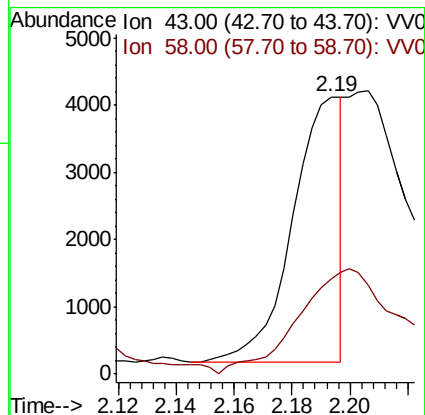
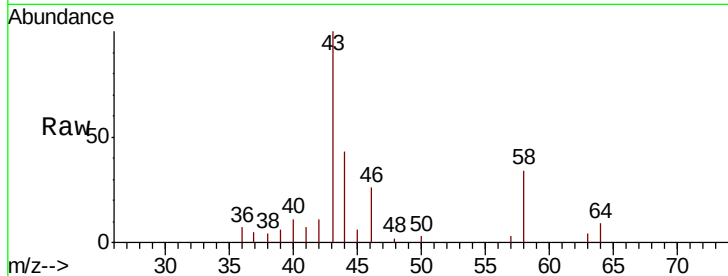
BG3Z8

Tot Ion: 43 Resp: 4684

Ion Ratio Lower Upper

43 100

58 86.9 0.0 60.2#



#27

1,2-Dichloroethane

Concen: 0.841 ug/L

RT: 5.07 min Scan# 1239

Delta R.T. -0.08 min

Lab File: VV019078.D

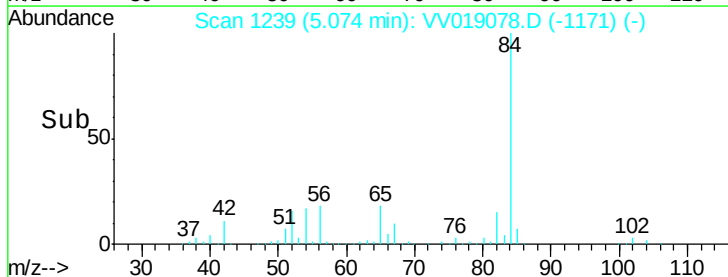
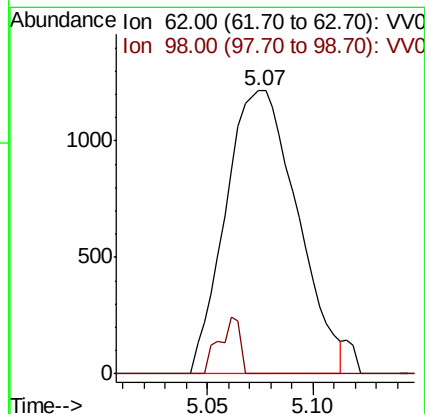
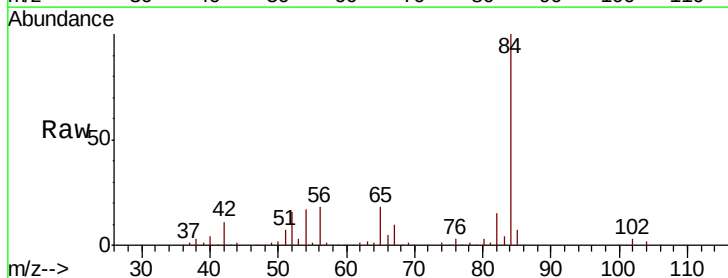
Acq: 22 Oct 2020 19:23

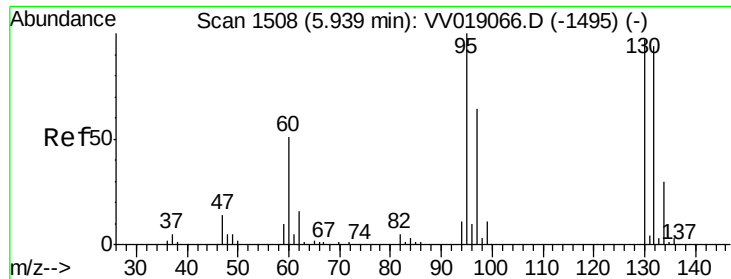
Tgt Ion: 62 Resp: 2871

Ion Ratio Lower Upper

62 100

98 0.0 6.9 10.3#





#34

Trichloroethene

Concen: 5.652 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VV019078.D

Acq: 22 Oct 2020 19:23

Instrument :

MSVOA_V

ClientSampleID :

BG3Z8

Tot Ion: 95 Resp: 12523

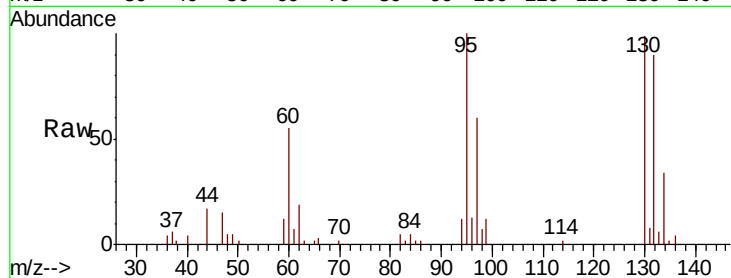
Ion Ratio Lower Upper

95 100

97 60.5 44.6 82.8

132 90.4 66.0 122.6

130 98.7 67.6 125.6

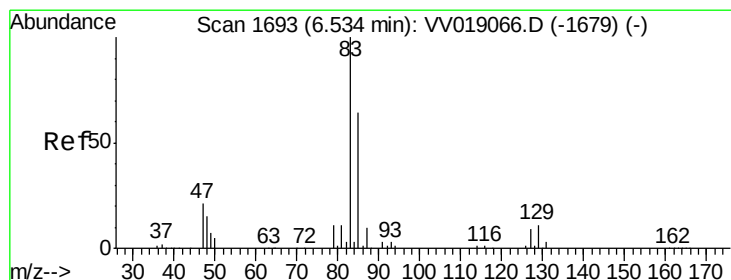
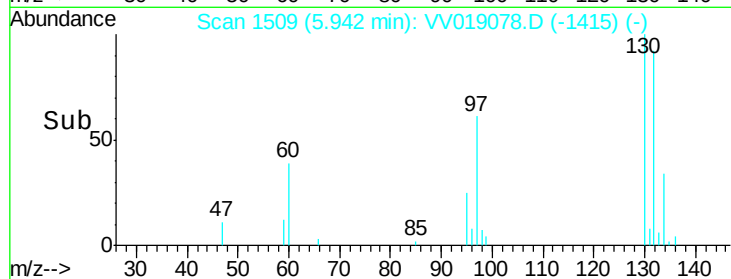
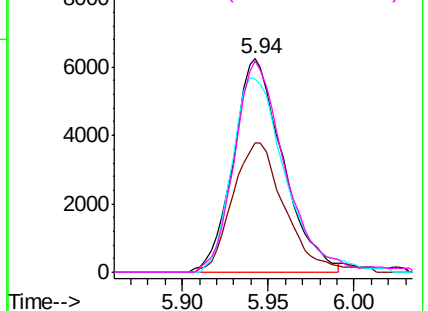


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#38

Bromodichloromethane

Concen: 0.661 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VV019078.D

Acq: 22 Oct 2020 19:23

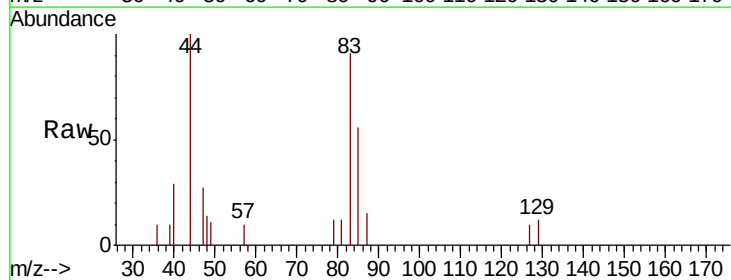
Tgt Ion: 83 Resp: 2020

Ion Ratio Lower Upper

83 100

85 61.0 44.9 83.3

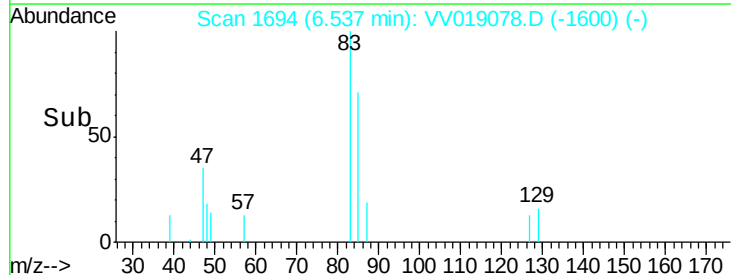
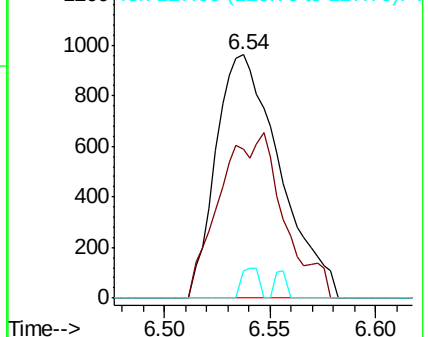
127 11.0 7.0 10.4#

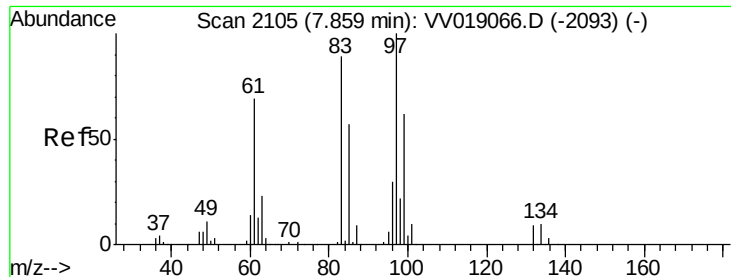


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): VV0

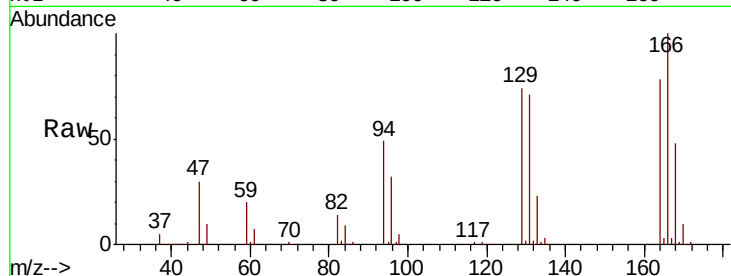




#45
1,1,2-Trichloroethane
Concen: 1.135 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. 0.14 min
Lab File: VV019078.D
Acq: 22 Oct 2020 19:23

Instrument :
MSVOA_V
ClientSampleId :
BG3Z8

Tot Ion:	97	Resp:	2420
Ion	Ratio	Lower	Upper
97	100		
99	20.4	43.5	80.9#
83	267.4	62.2	115.4#
85	32.2	39.9	74.1#



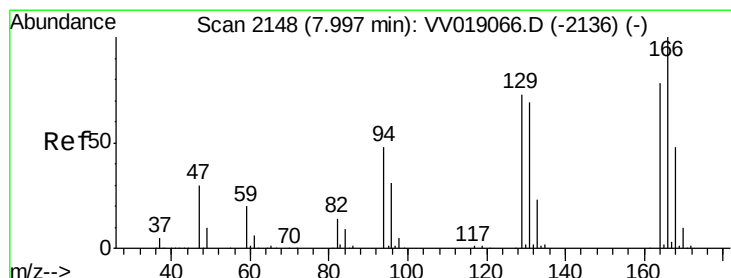
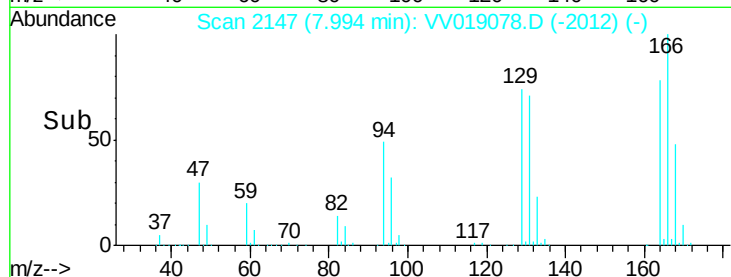
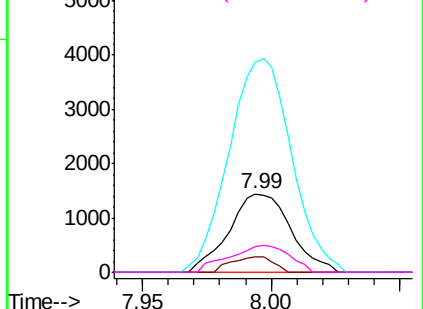
Abundance

Ion 97.00 (96.70 to 97.70): VV019078.D (-2147) (-)

Ion 99.00 (98.70 to 99.70): VV019078.D (-2147) (-)

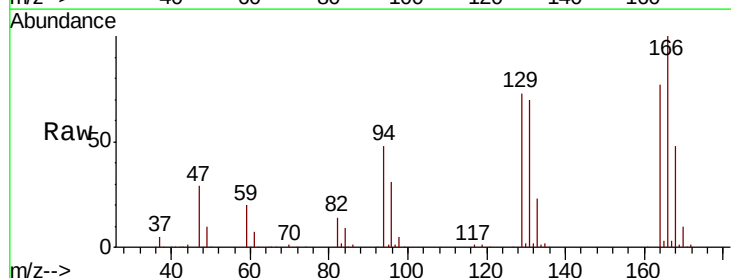
Ion 83.00 (82.70 to 83.70): VV019078.D (-2147) (-)

Ion 85.00 (84.70 to 85.70): VV019078.D (-2147) (-)



#46
Tetrachloroethene
Concen: 166.377 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV019078.D
Acq: 22 Oct 2020 19:23

Tgt Ion:	164	Resp:	282904
Ion	Ratio	Lower	Upper
164	100		
129	94.0	65.5	121.6
131	90.6	62.4	115.8
166	129.1	90.0	167.2



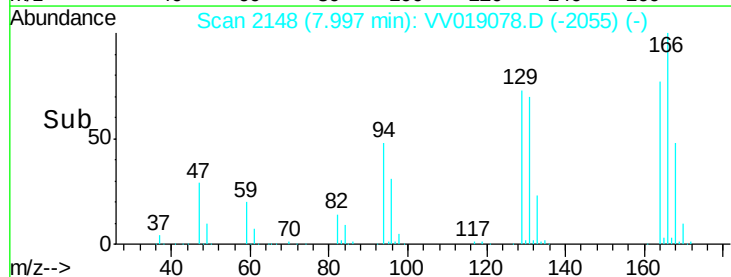
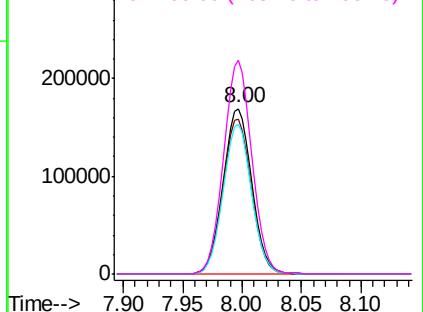
Abundance

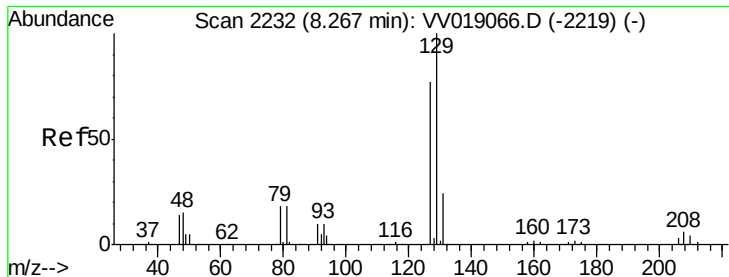
Ion 164.00 (163.70 to 164.70): VV019078.D (-2148) (-)

Ion 129.00 (128.70 to 129.70): VV019078.D (-2148) (-)

Ion 131.00 (130.70 to 131.70): VV019078.D (-2148) (-)

Ion 166.00 (165.70 to 166.70): VV019078.D (-2148) (-)





#49

Dibromochloromethane

Concen: 2.188 ug/L

RT: 8.27 min Scan# 2233

Delta R.T. 0.00 min

Lab File: VV019078.D

Acq: 22 Oct 2020 19:23

Instrument :

MSVOA_V

ClientSampled :

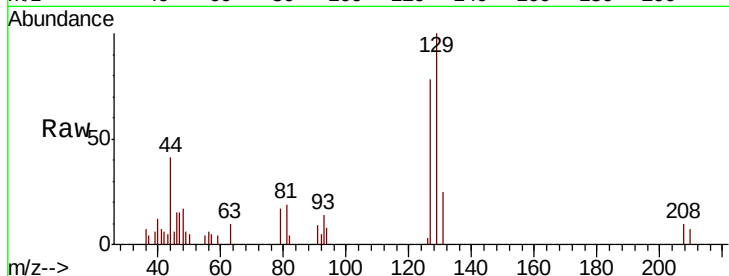
BG3Z8

Tot Ion:129 Resp: 5100

Ion Ratio Lower Upper

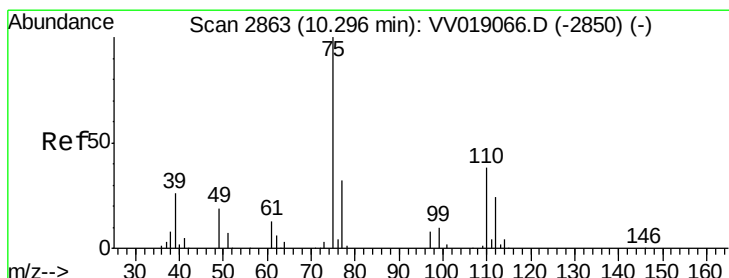
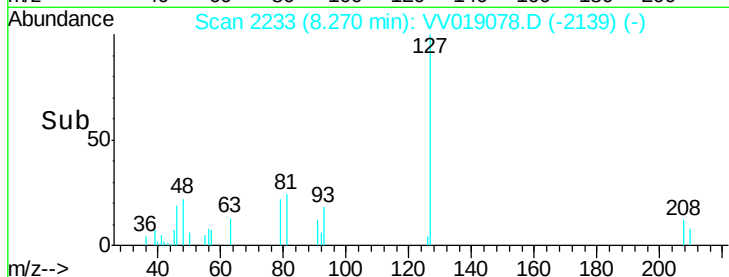
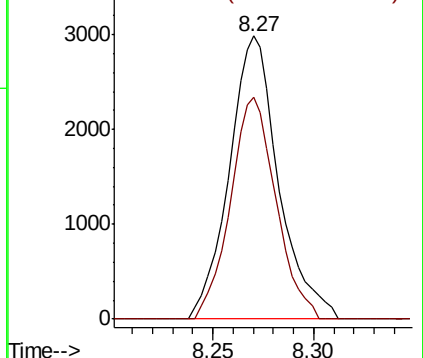
129 100

127 78.5 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 6.208 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV019078.D

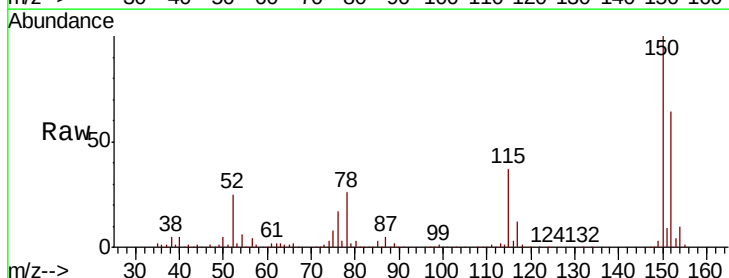
Acq: 22 Oct 2020 19:23

Tgt Ion: 75 Resp: 17523

Ion Ratio Lower Upper

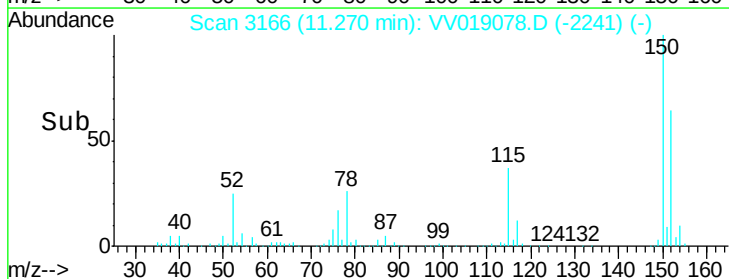
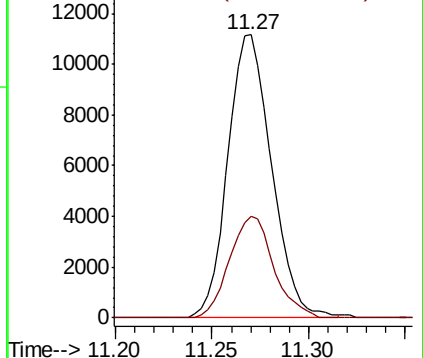
75 100

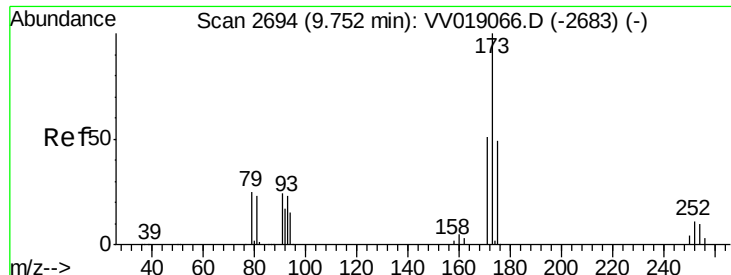
77 36.2 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#61

Bromoform

Concen: 2.979 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019078.D

Acq: 22 Oct 2020 19:23

Instrument :

MSVOA_V

ClientSampleId :

BG3Z8

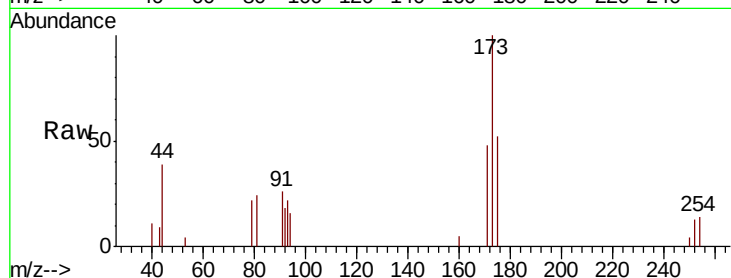
Tot Ion:173 Resp: 4523

Ion Ratio Lower Upper

173 100

175 48.6 38.3 57.5

254 11.9 8.3 12.5



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

