

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102220\
 Data File : VV019077.D
 Acq On : 22 Oct 2020 18:59
 Operator : SY/MD
 Sample : L4471-11
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG418

Quant Time: Oct 23 06:33:28 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	301202	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	301527	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	141909	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	123118	45.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.00%
7) Chloroethane-d5	1.58	69	104218	47.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.64%
11) 1,1-Dichloroethene-d2	2.12	63	191689	37.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.80%
21) 2-Butanone-d5	3.91	46	161167	87.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.58%
24) Chloroform-d	4.38	84	211846	44.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.54%
26) 1,2-Dichloroethane-d4	5.06	65	151298	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.04%
32) Benzene-d6	5.07	84	430417	46.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.34%
36) 1,2-Dichloropropane-d6	6.09	67	136674	45.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.48%
41) Toluene-d8	7.34	98	385425	46.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.46%
43) trans-1,3-Dichloropropene-	7.64	79	68104	44.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.96%
47) 2-Hexanone-d5	8.11	63	117461	90.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.42%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	168792	42.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.90%
64) 1,2-Dichlorobenzene-d4	11.65	152	148662	49.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.90%

Target Compounds

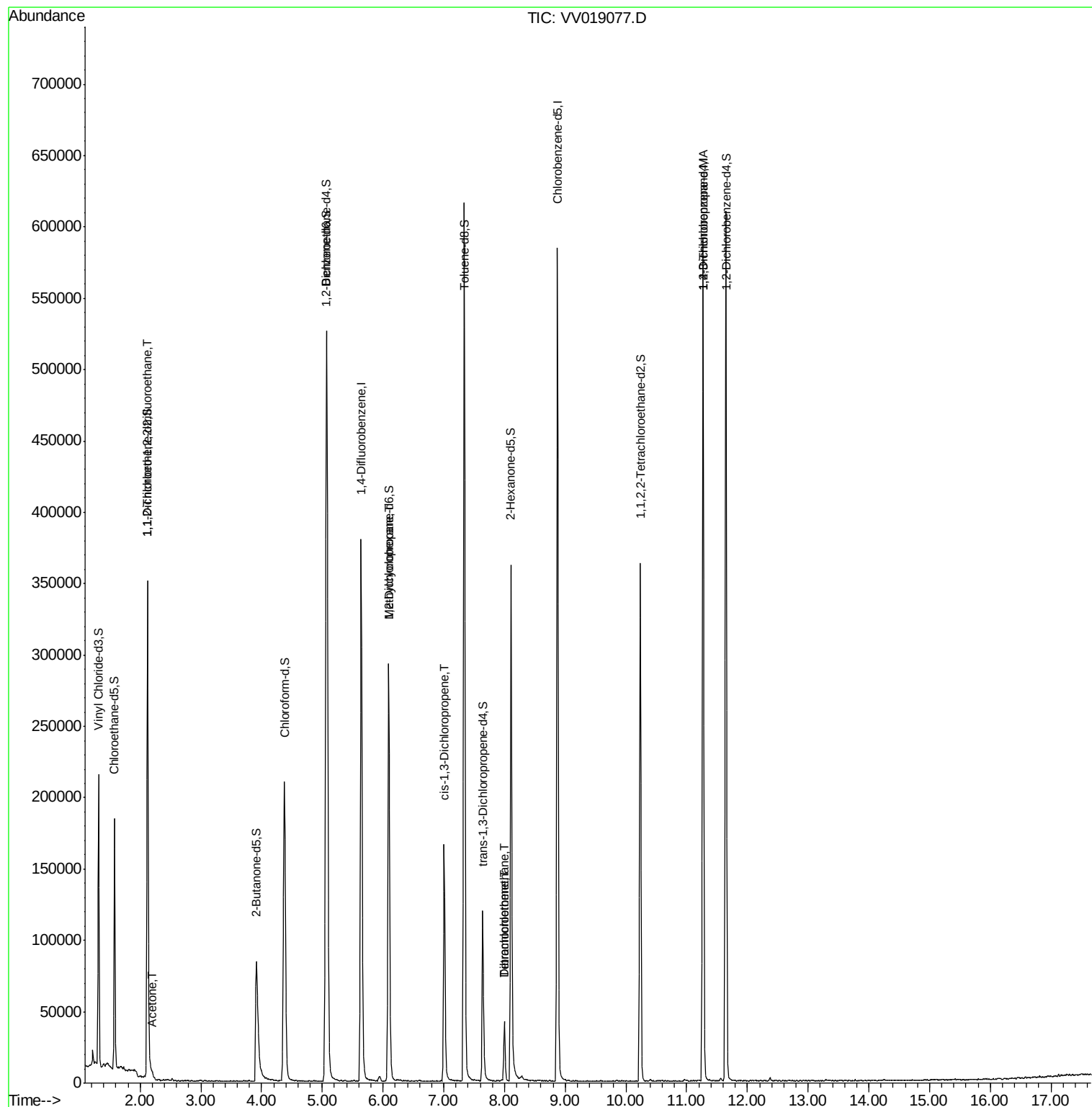
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1812	0.901	ug/L #	20
13) Acetone	2.20	43	5394	4.325	ug/L	89
35) Methylcyclohexane	6.09	83	33112	10.375	ug/L #	16
39) cis-1,3-Dichloropropene	7.01	75	4327	1.152	ug/L #	64
46) Tetrachloroethene	8.00	164	9437	5.272	ug/L	96
49) Dibromochloromethane	8.00	129	8537	3.480	ug/L #	11
59) 1,2,3-Trichloropropane	11.27	75	17273	5.813	ug/L	91

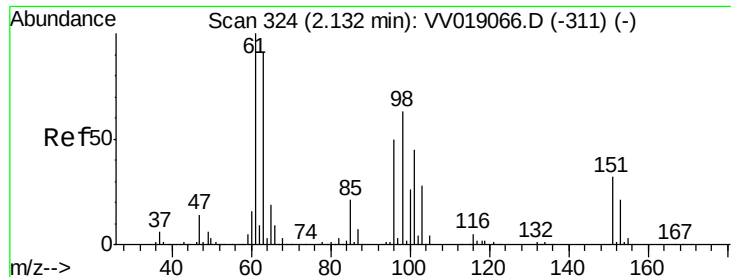
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.901 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019077.D

Acq: 22 Oct 2020 18:59

Instrument :

MSVOA_V

ClientSampled :

BG418

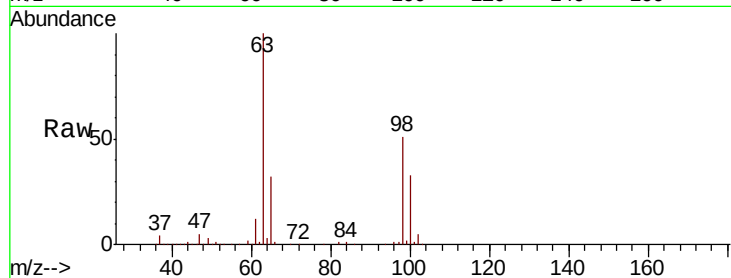
Tot Ion:101 Resp: 1812

Ion Ratio Lower Upper

101 100

85 0.0 36.9 55.3#

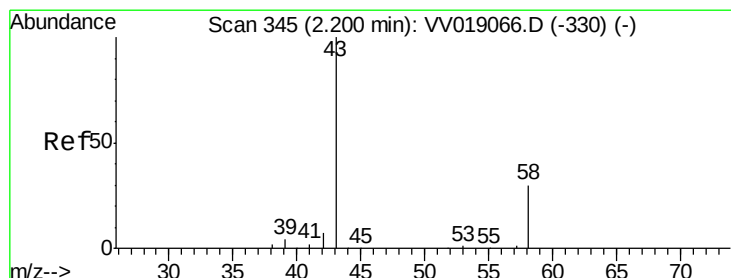
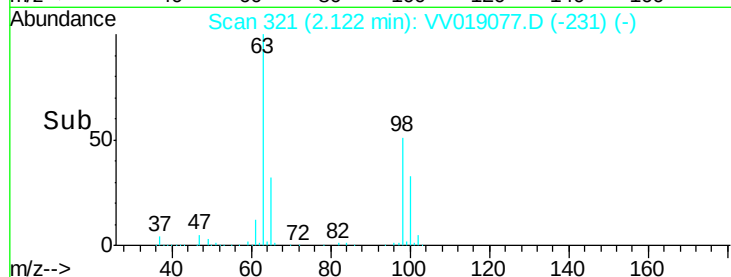
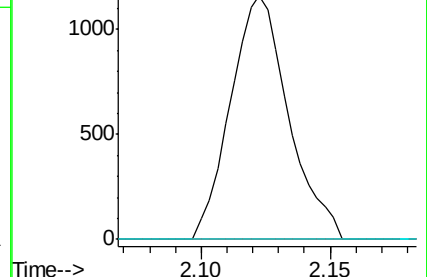
151 0.0 58.2 87.2#



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



#13

Acetone

Concen: 4.325 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV019077.D

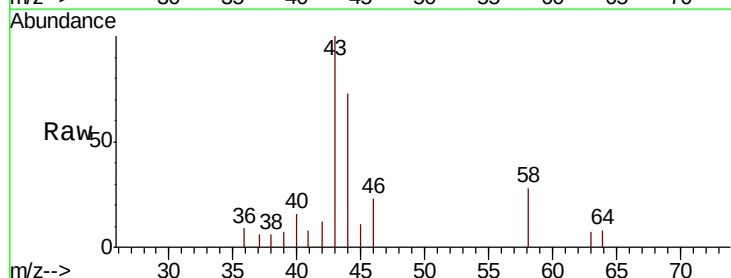
Acq: 22 Oct 2020 18:59

Tgt Ion: 43 Resp: 5394

Ion Ratio Lower Upper

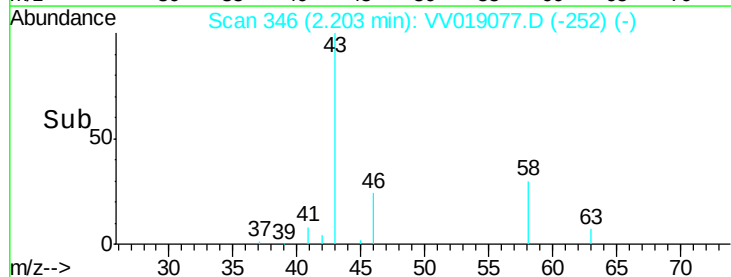
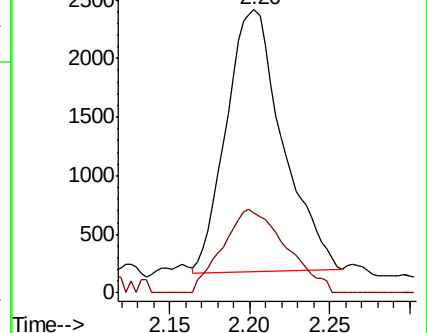
43 100

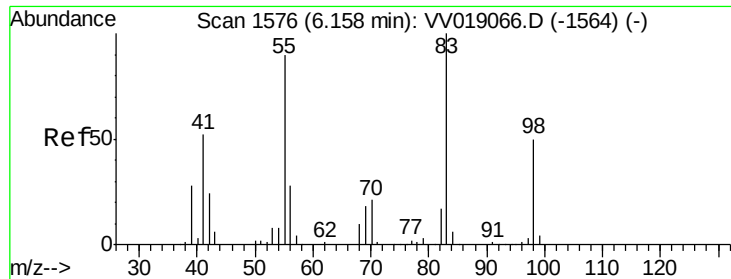
58 36.2 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

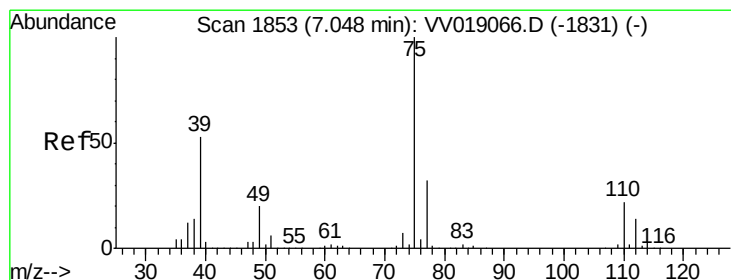
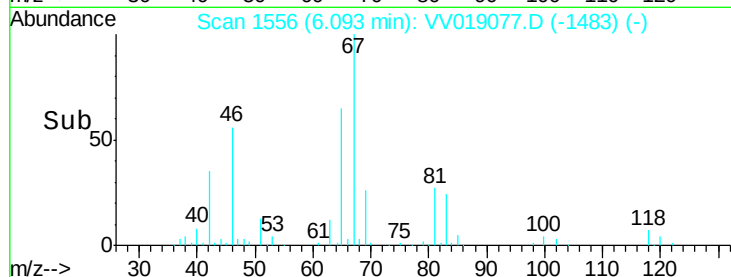
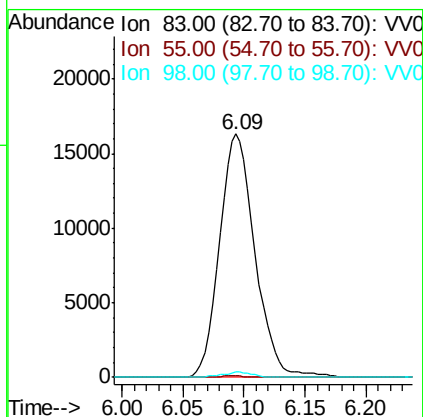
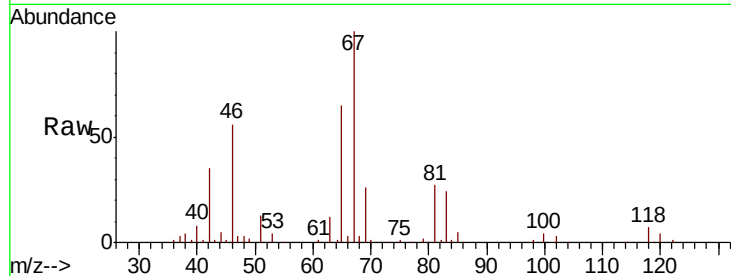




#35
Methylvlcyclohexane
Concen: 10.375 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV019077.D
Acq: 22 Oct 2020 18:59

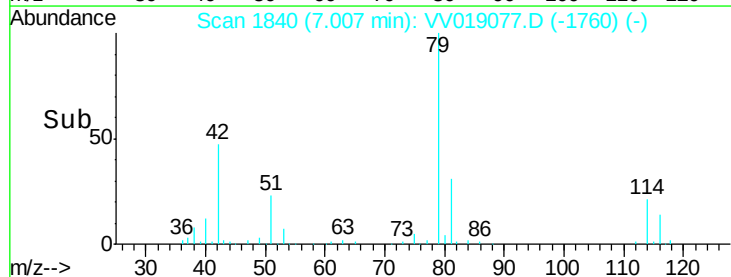
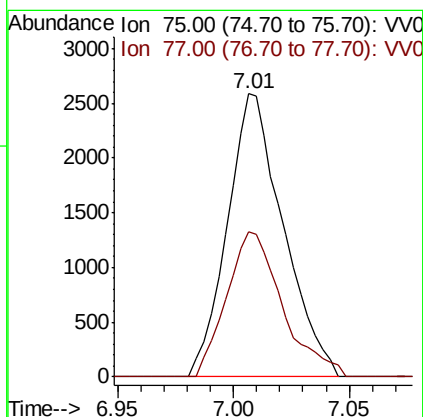
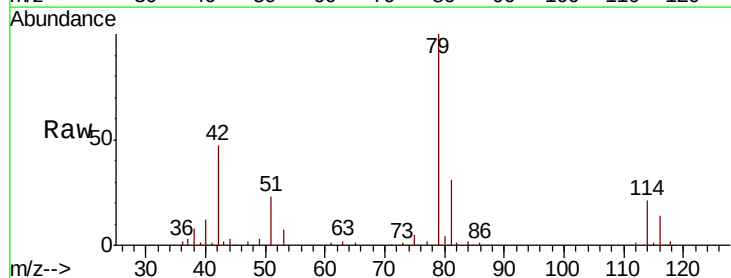
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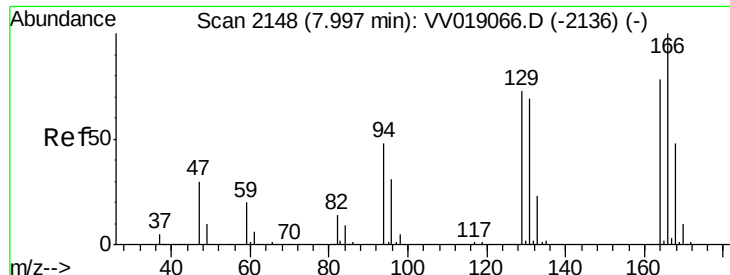
Tot Ion: 83 Resp: 33112
Ion Ratio Lower Upper
83 100
55 0.4 68.1 102.1#
98 1.8 37.9 56.9#



#39
cis-1,3-Dichloropropene
Concen: 1.152 ug/L
RT: 7.01 min Scan# 1840
Delta R.T. -0.04 min
Lab File: VV019077.D
Acq: 22 Oct 2020 18:59

Tgt Ion: 75 Resp: 4327
Ion Ratio Lower Upper
75 100
77 51.3 22.1 41.1#





#46

Tetrachloroethene

Concen: 5.272 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV019077.D

Acq: 22 Oct 2020 18:59

Instrument :

MSVOA_V

ClientSampled :

BG418

Tot Ion:164 Resp: 9437

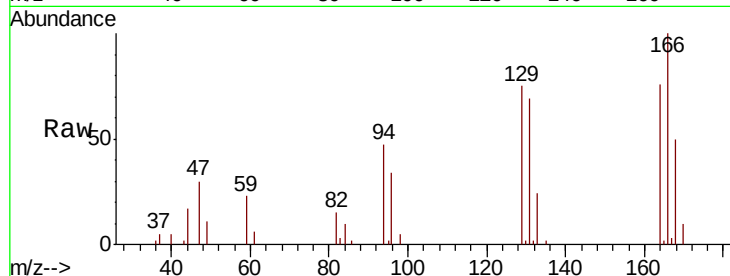
Ion Ratio Lower Upper

164 100

129 98.5 65.5 121.6

131 91.5 62.4 115.8

166 132.1 90.0 167.2

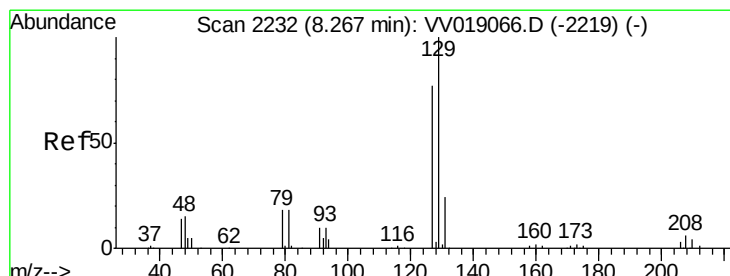
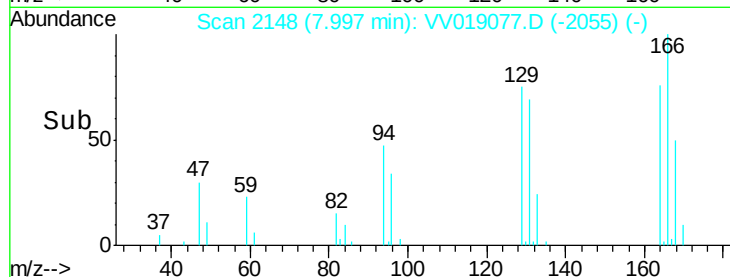
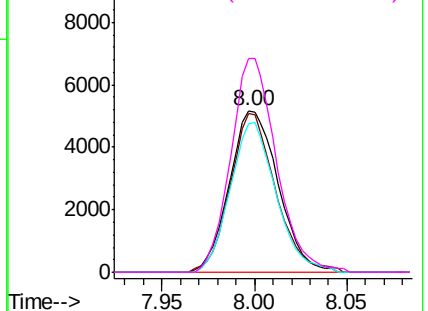


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

Dibromochloromethane

Concen: 3.480 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV019077.D

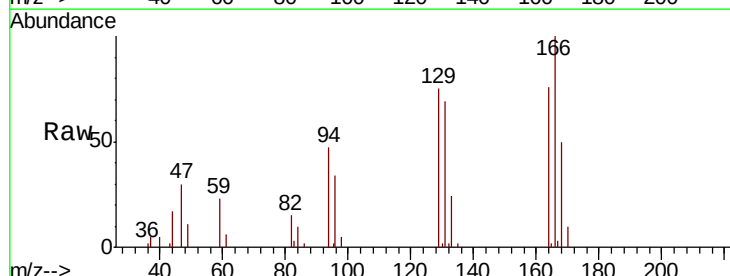
Acq: 22 Oct 2020 18:59

Tgt Ion:129 Resp: 8537

Ion Ratio Lower Upper

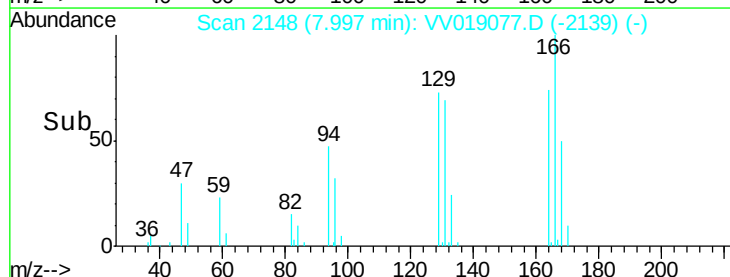
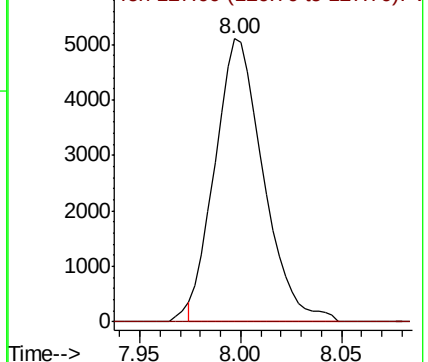
129 100

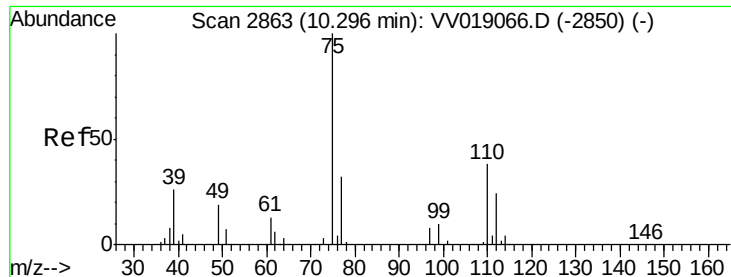
127 0.0 53.7 99.7#



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: 5.813 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV019077.D

Acq: 22 Oct 2020 18:59

Instrument :

MSVOA_V

ClientSampleId :

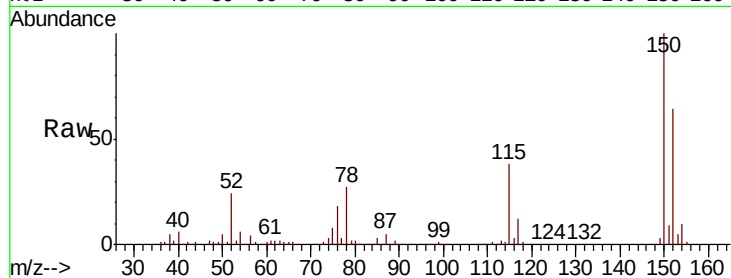
BG418

Tot Ion: 75 Resp: 17273

Ion Ratio Lower Upper

75 100

77 37.3 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

