

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121420\
 Data File : VV019615.D
 Acq On : 14 Dec 2020 19:29
 Operator : SY/MD
 Sample : L4928-10
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4M4

Quant Time: Dec 15 07:24:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 15 07:21:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	607394	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	567456	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	261095	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	220522	50.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.26%
7) Chloroethane-d5	1.57	69	187779	54.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.32%
11) 1,1-Dichloroethene-d2	2.11	63	327171	40.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.94%
21) 2-Butanone-d5	3.89	46	260462	110.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.02%
24) Chloroform-d	4.35	84	409745	52.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.04	65	286007	55.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.50%
32) Benzene-d6	5.05	84	829415	54.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.60%
36) 1,2-Dichloropropane-d6	6.07	67	261479	55.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.30%
41) Toluene-d8	7.32	98	732069	53.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.44%
43) trans-1,3-Dichloropropene-	7.62	79	127160	47.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.32%
47) 2-Hexanone-d5	8.09	63	191112	102.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.71%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	338354	52.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.52%
64) 1,2-Dichlorobenzene-d4	11.63	152	268508	55.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.04%

Target Compounds

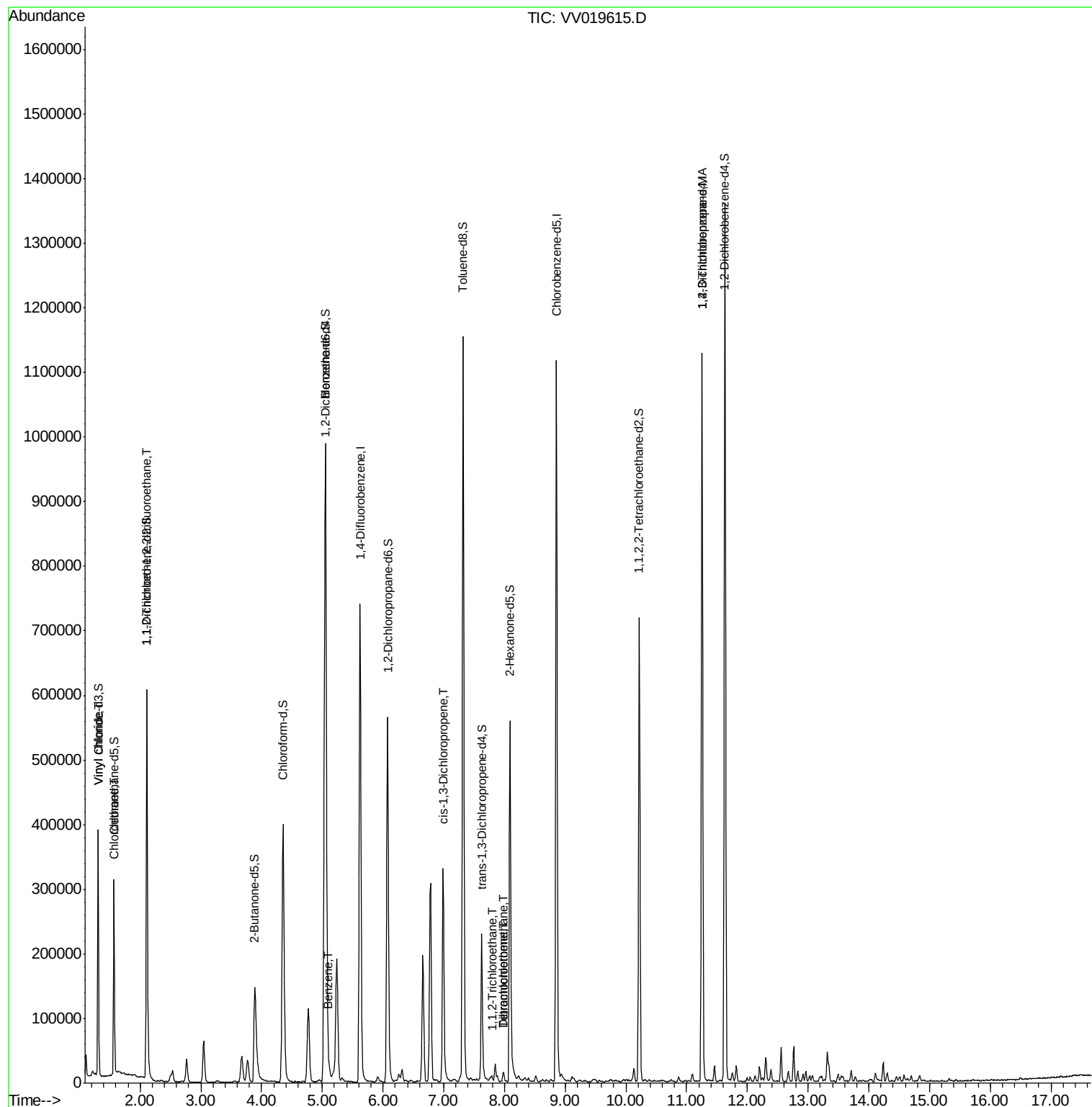
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.31	62	4913	0.940	ug/L #	14
8) Chloroethane	1.56	64	4087	1.297	ug/L #	62
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	2920	0.828	ug/L #	22
33) Benzene	5.11	78	16497	0.995	ug/L	100
39) cis-1,3-Dichloropropene	6.99	75	8454	1.175	ug/L #	76
45) 1,1,2-Trichloroethane	7.79	97	3031	0.737	ug/L #	19
46) Tetrachloroethene	7.98	164	3047	1.005	ug/L	87
49) Dibromochloromethane	7.98	129	3460	0.768	ug/L #	11
59) 1,2,3-Trichloropropane	11.25	75	35358	6.564	ug/L	89

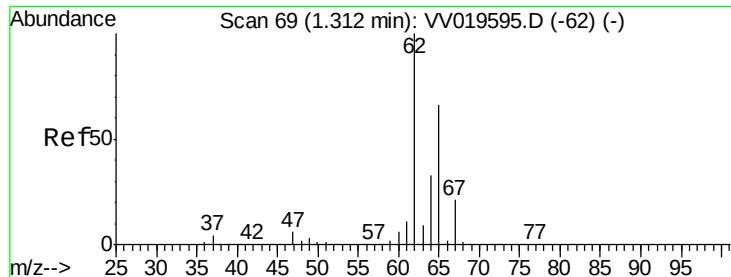
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Dec 15 07:21:43 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.940 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019615.D

Acq: 14 Dec 2020 19:29

Instrument :

MSVOA_V

ClientSampled :

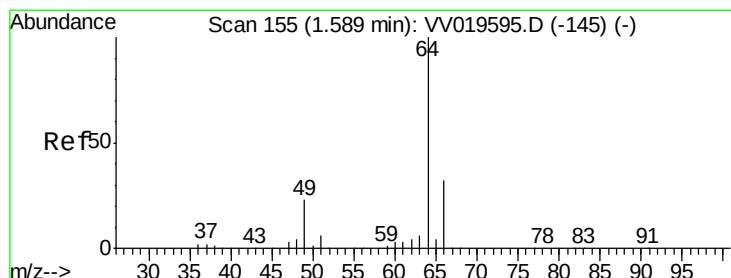
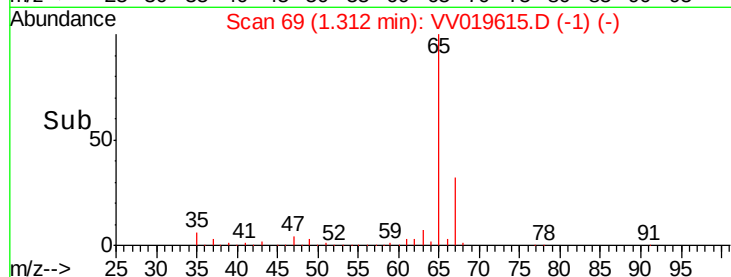
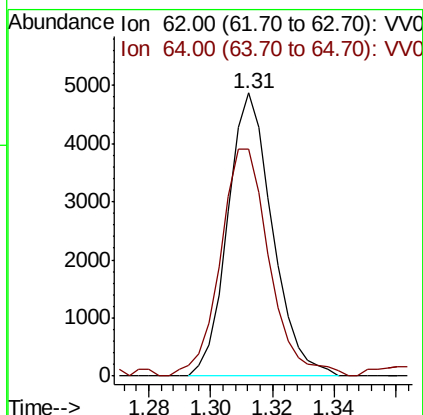
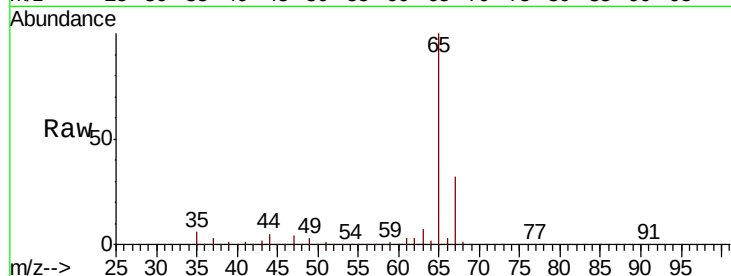
BG4M4

Tot Ion: 62 Resp: 4913

Ion Ratio Lower Upper

62 100

64 80.1 22.5 41.7#



#8

Chloroethane

Concen: 1.297 ug/L

RT: 1.56 min Scan# 145

Delta R.T. -0.03 min

Lab File: VV019615.D

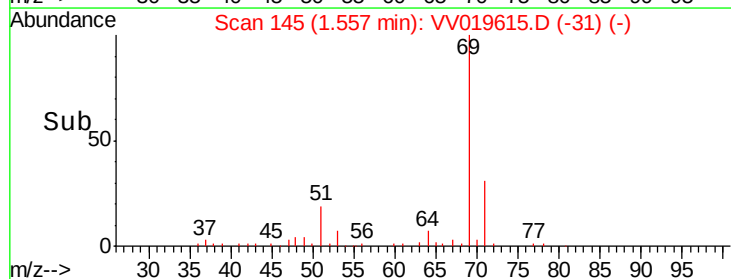
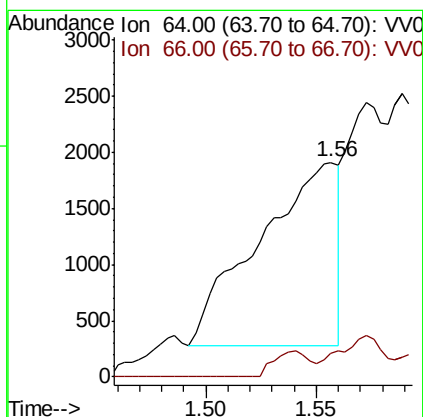
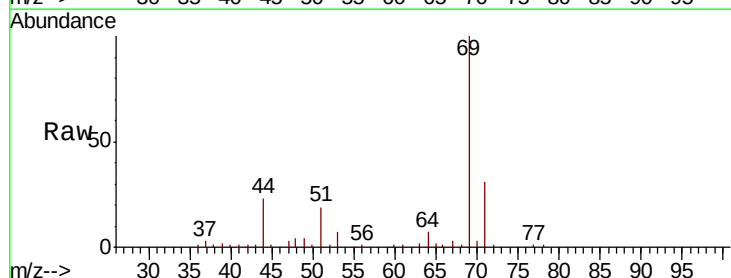
Acq: 14 Dec 2020 19:29

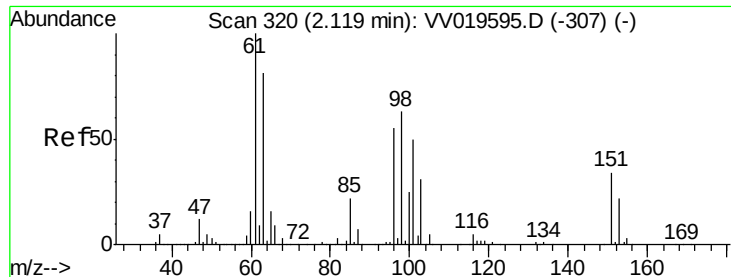
Tgt Ion: 64 Resp: 4087

Ion Ratio Lower Upper

64 100

66 10.9 22.5 41.7#





#10

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

Concen: 0.828 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.01 min

Lab File: VV019615.D

Acq: 14 Dec 2020 19:29

Instrument :

MSVOA_V

ClientSampled :

BG4M4

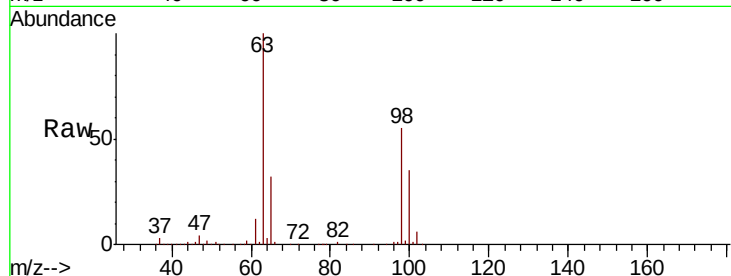
Tot Ion:101 Resp: 2920

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

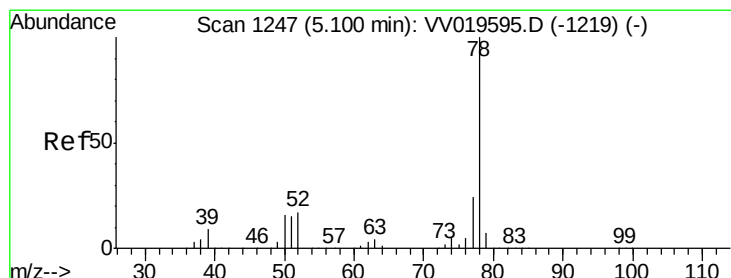
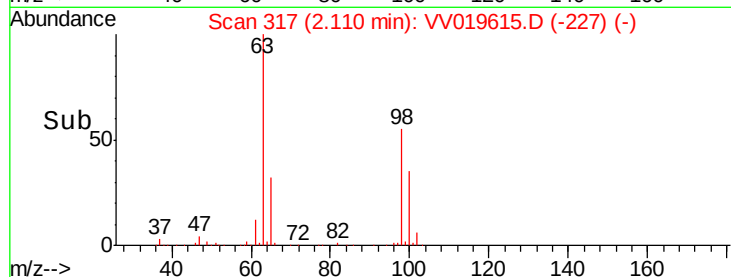
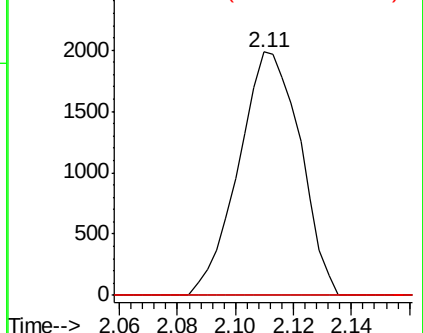
151 0.0 55.8 83.8#



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



#33

Benzene

Concen: 0.995 ug/L

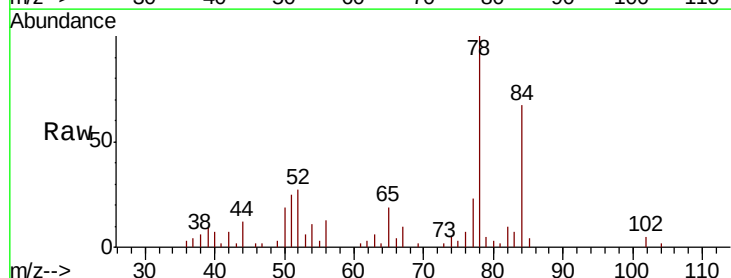
RT: 5.11 min Scan# 1250

Delta R.T. 0.01 min

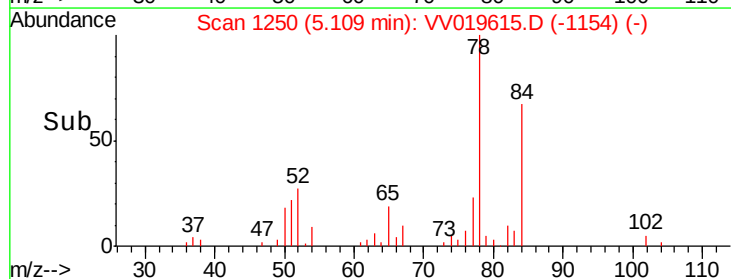
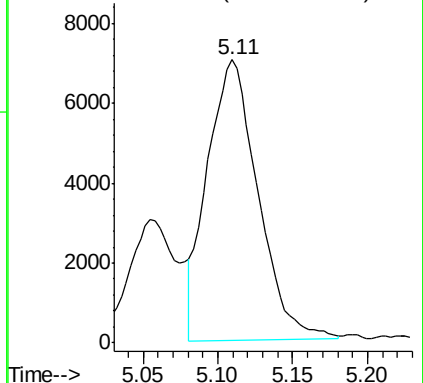
Lab File: VV019615.D

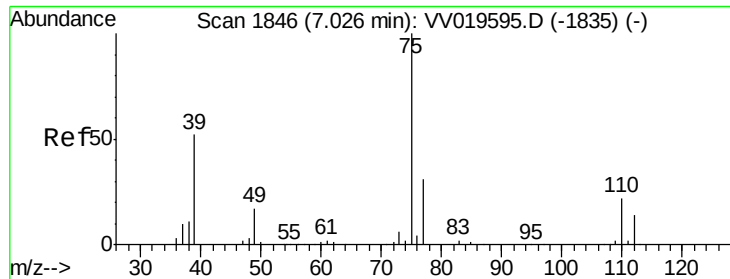
Acq: 14 Dec 2020 19:29

Tgt Ion: 78 Resp: 16497



Abundance Ion 78.00 (77.70 to 78.70): VV0





#39

cis-1,3-Dichloropropene

Concen: 1.175 ug/L

RT: 6.99 min Scan# 1834

Delta R.T. -0.04 min

Lab File: VV019615.D

Acq: 14 Dec 2020 19:29

Instrument :

MSVOA_V

ClientSampled :

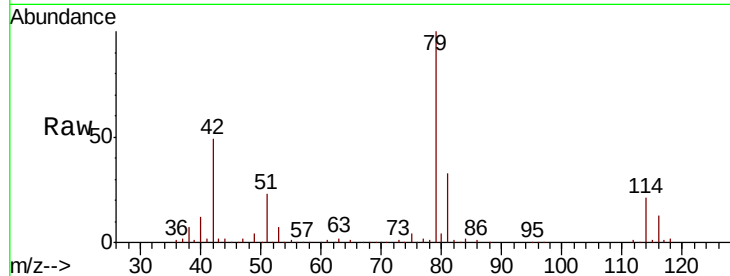
BG4M4

Tot Ion: 75 Resp: 8454

Ion Ratio Lower Upper

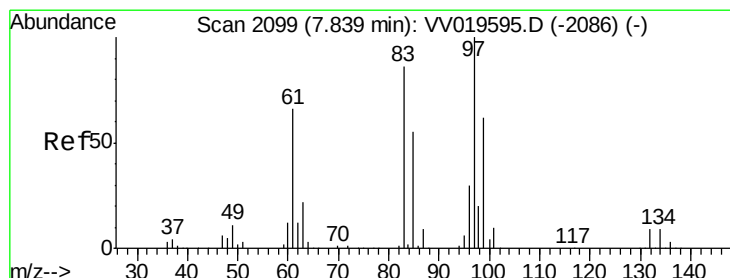
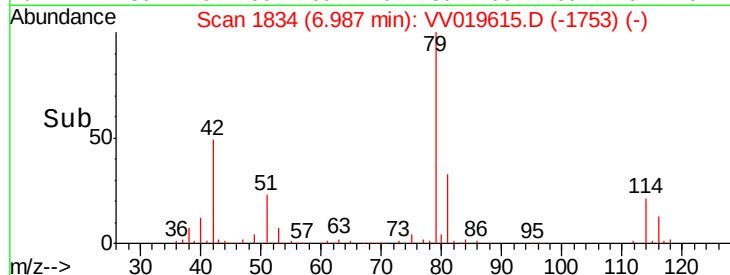
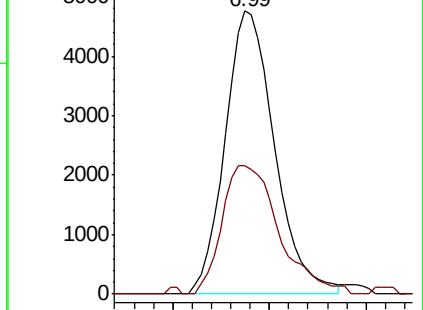
75 100

77 45.3 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VV019595.D (-1835) (-)

Ion 77.00 (76.70 to 77.70): VV019595.D (-1835) (-)



#45

1,1,2-Trichloroethane

Concen: 0.737 ug/L

RT: 7.79 min Scan# 2084

Delta R.T. -0.05 min

Lab File: VV019615.D

Acq: 14 Dec 2020 19:29

Tgt Ion: 97 Resp: 3031

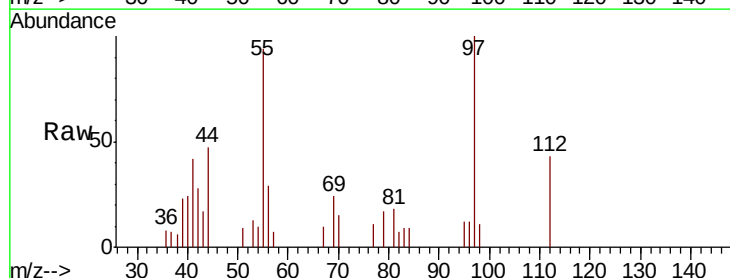
Ion Ratio Lower Upper

97 100

99 0.0 44.1 81.9#

83 8.9 60.0 111.4#

85 0.0 38.6 71.8#

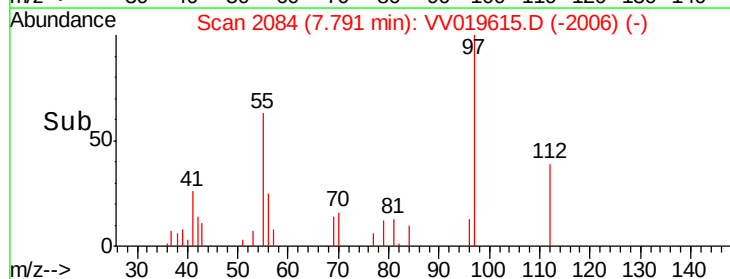
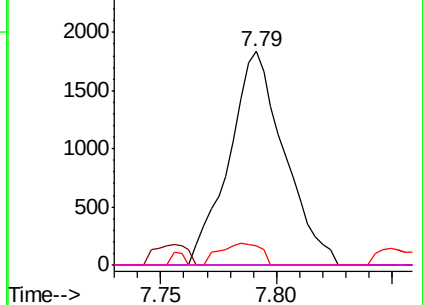


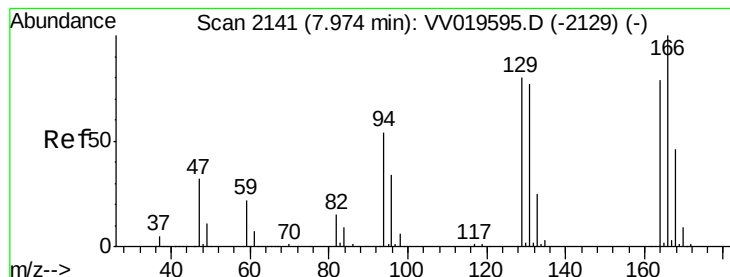
Abundance Ion 97.00 (96.70 to 97.70): VV019595.D (-2086) (-)

Ion 99.00 (98.70 to 99.70): VV019595.D (-2086) (-)

Ion 83.00 (82.70 to 83.70): VV019595.D (-2086) (-)

Ion 85.00 (84.70 to 85.70): VV019595.D (-2086) (-)





#46

Tetrachloroethene

Concen: 1.005 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. 0.01 min

Lab File: VV019615.D

Acq: 14 Dec 2020 19:29

Instrument :

MSVOA_V

ClientSampleId :

BG4M4

Tot Ion:164 Resp: 3047

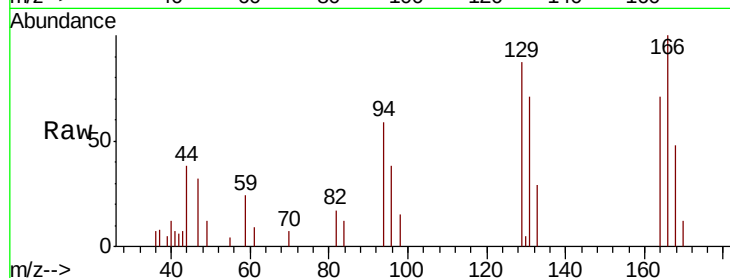
Ion Ratio Lower Upper

164 100

129 122.4 70.6 131.0

131 100.0 68.0 126.4

166 141.4 86.9 161.5

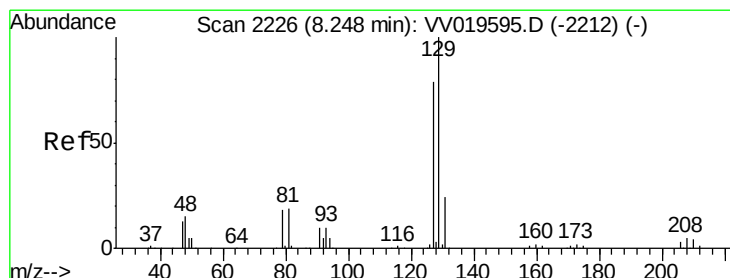
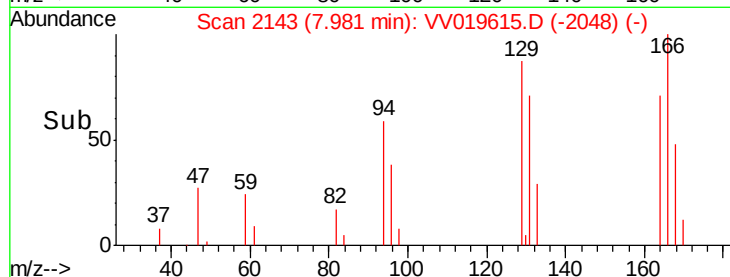
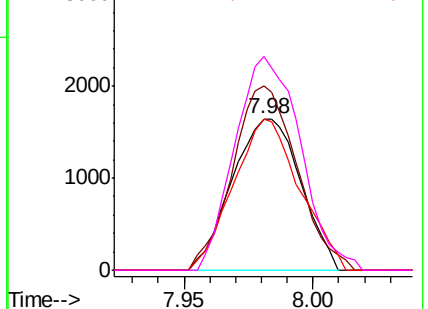


Abundance Ion 164.00 (163.70 to 164.70): V

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: 0.768 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. -0.27 min

Lab File: VV019615.D

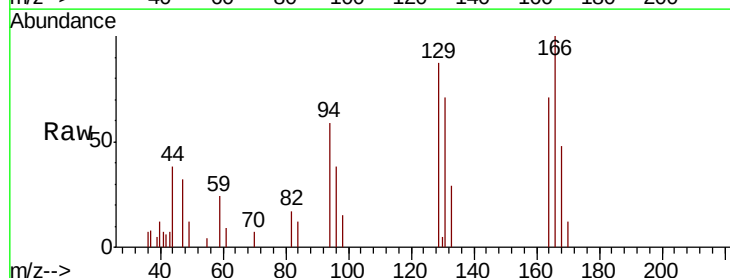
Acq: 14 Dec 2020 19:29

Tgt Ion:129 Resp: 3460

Ion Ratio Lower Upper

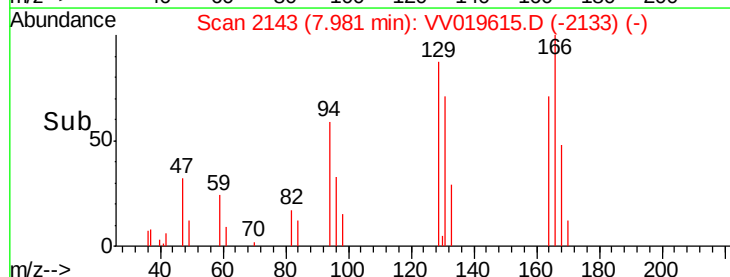
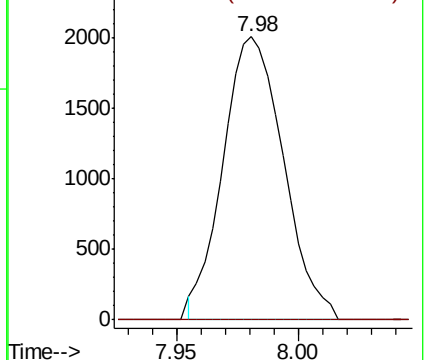
129 100

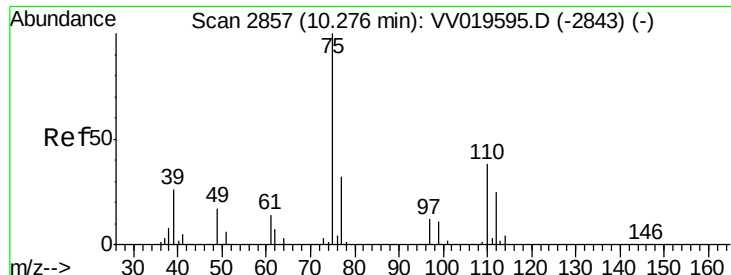
127 0.0 54.2 100.6#



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: 6.564 ug/L

RT: 11.25 min Scan# 3160

Delta R.T. 0.97 min

Lab File: VV019615.D

Acq: 14 Dec 2020 19:29

Instrument :

MSVOA_V

ClientSampleId :

BG4M4

Tot Ion: 75 Resp: 35358

Ion Ratio Lower Upper

75 100

77 38.6 25.8 38.8

