

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122320\
 Data File : VV019819.D
 Acq On : 23 Dec 2020 18:10
 Operator : SY/MD
 Sample : L5173-17 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4T0

Quant Time: Dec 23 22:07:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 23 22:04:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	673251	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	638448	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.26	152	306023	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	222155	46.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.04%
7) Chloroethane-d5	1.57	69	183692	48.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.48%
11) 1,1-Dichloroethene-d2	2.11	63	328844	36.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.40%
21) 2-Butanone-d5	3.88	46	346115	131.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	131.90%#
24) Chloroform-d	4.35	84	420411	48.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.64%
26) 1,2-Dichloroethane-d4	5.04	65	297132	52.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.52%
32) Benzene-d6	5.05	84	846239	49.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.07	67	272344	51.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.12%
41) Toluene-d8	7.32	98	731156	47.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.38%
43) trans-1,3-Dichloropropene-	7.62	79	124950	41.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.36%
47) 2-Hexanone-d5	8.09	63	212618	101.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.56%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	330128	45.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.52%
64) 1,2-Dichlorobenzene-d4	11.63	152	267245	46.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.44%

Target Compounds

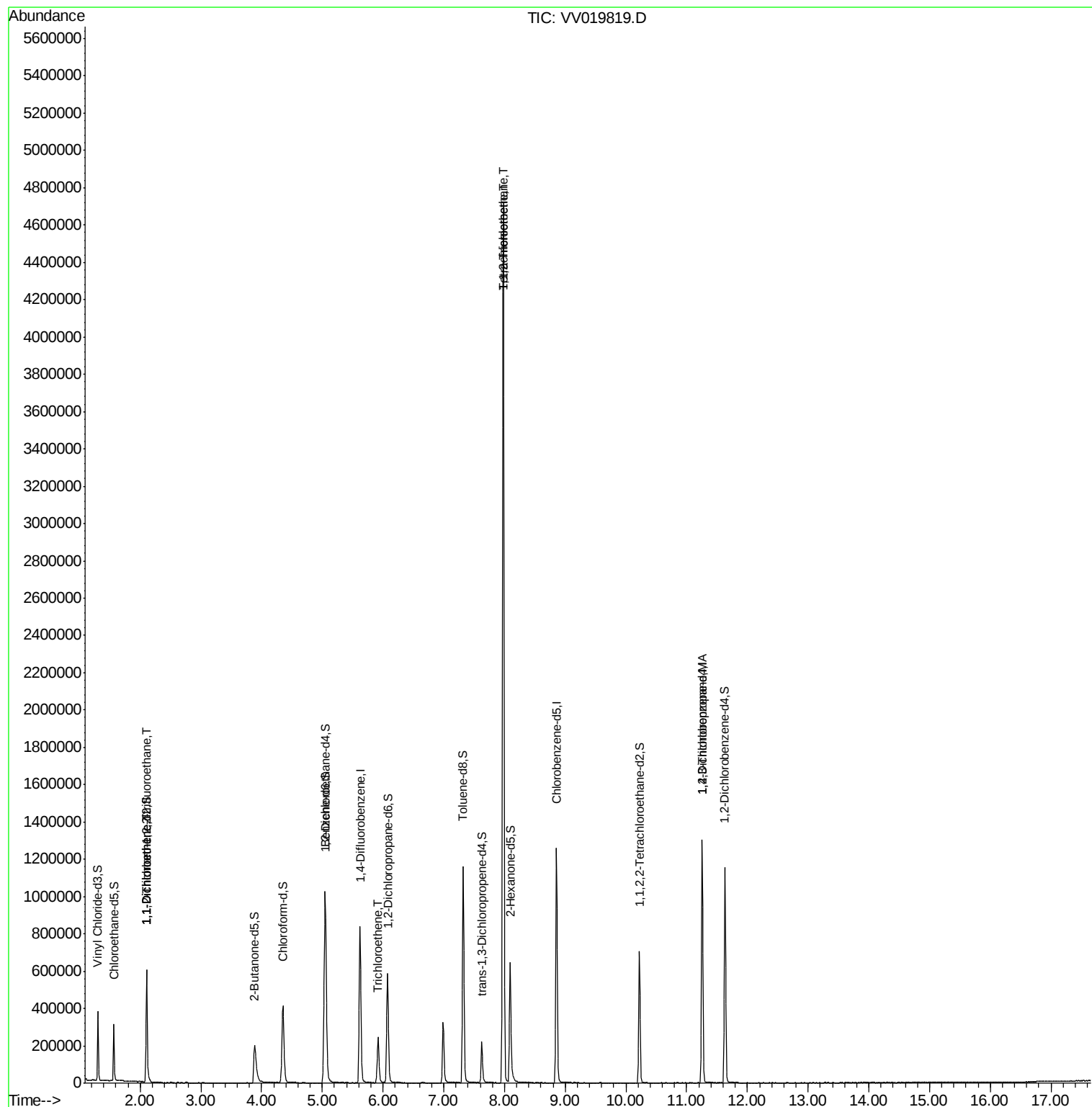
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	2834	0.725 ug/L #	24
12) 1,1-Dichloroethene	2.11	96	3644	0.909 ug/L #	1
34) Trichloroethene	5.92	95	81197	16.473 ug/L	97
45) 1,1,2-Trichloroethane	7.98	97	9930	2.146 ug/L #	3
46) Tetrachloroethene	7.98	164	939440	275.442 ug/L	99
59) 1,2,3-Trichloropropane	11.25	75	42810	7.063 ug/L	98

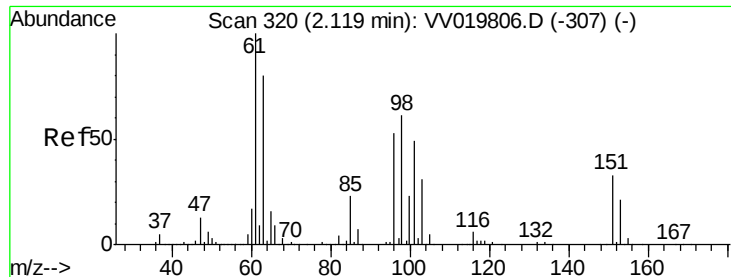
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Dec 23 22:04:07 2020
Response via : Initial Calibration





#10

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

Concen: 0.725 ug/L

RT: 2.11 min Scan# 316

Delta R.T. -0.01 min

Lab File: VV019819.D

Acq: 23 Dec 2020 18:10

Instrument :

MSVOA_V

ClientSampleId :

BG4T0

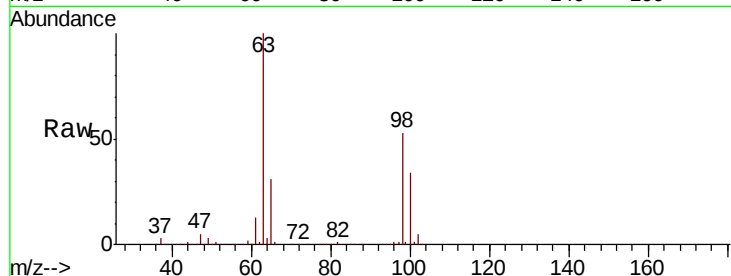
Tot Ion:101 Resp: 2834

Ion Ratio Lower Upper

101 100

85 4.1 35.0 52.4#

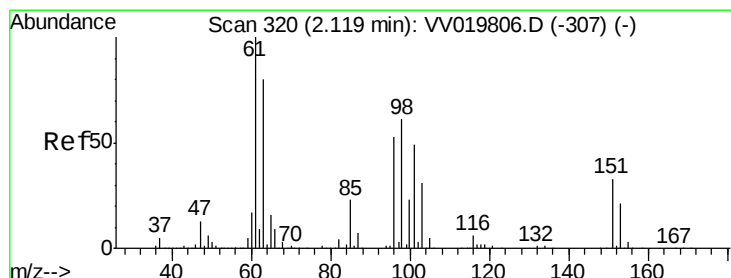
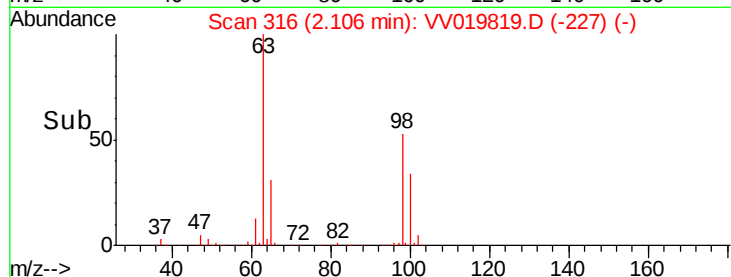
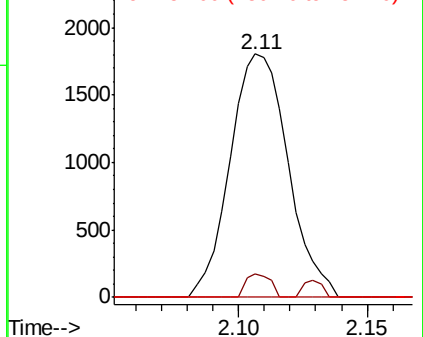
151 0.0 55.8 83.8#



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



#12

1,1-Dichloroethene

Concen: 0.909 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.01 min

Lab File: VV019819.D

Acq: 23 Dec 2020 18:10

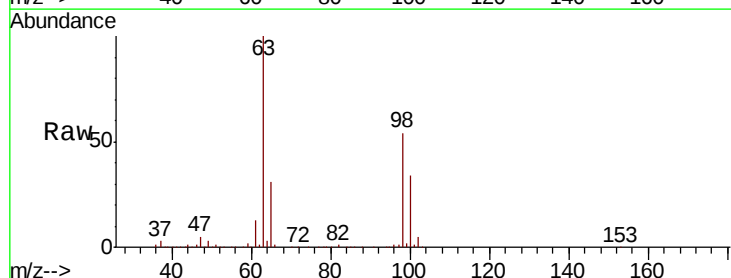
Tgt Ion: 96 Resp: 3644

Ion Ratio Lower Upper

96 100

61 1224.0 120.7 224.1#

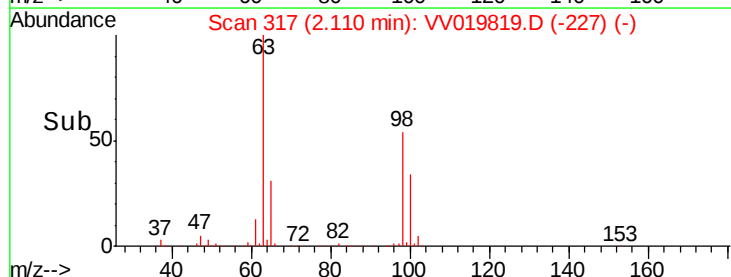
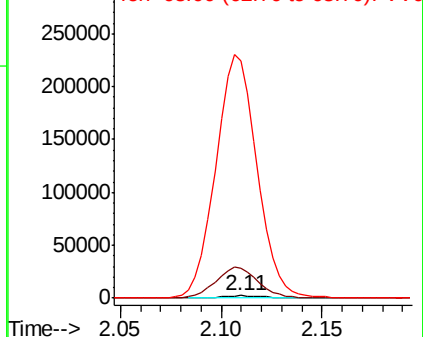
63 9676.0 64.3 119.5#

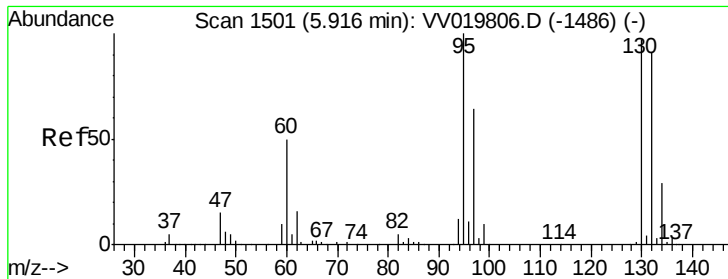


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#34

Trichloroethene

Concen: 16.473 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VV019819.D

Acq: 23 Dec 2020 18:10

Instrument :

MSVOA_V

ClientSampleId :

BG4T0

Tot Ion: 95 Resp: 81197

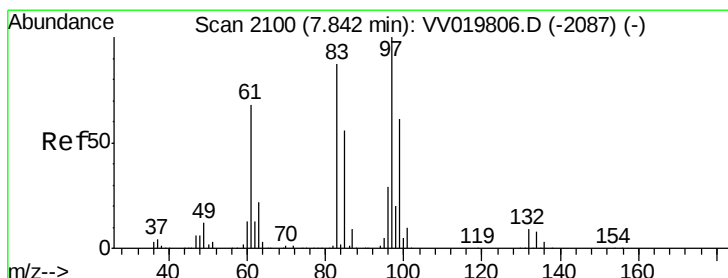
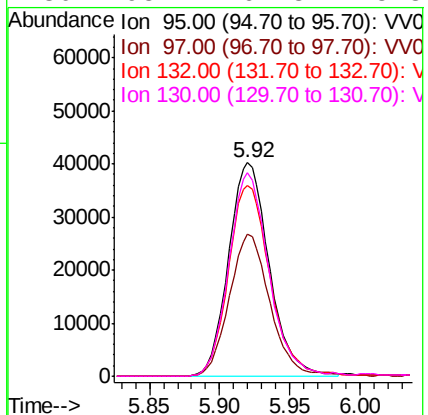
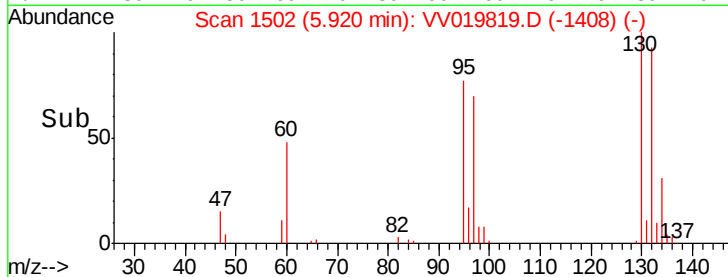
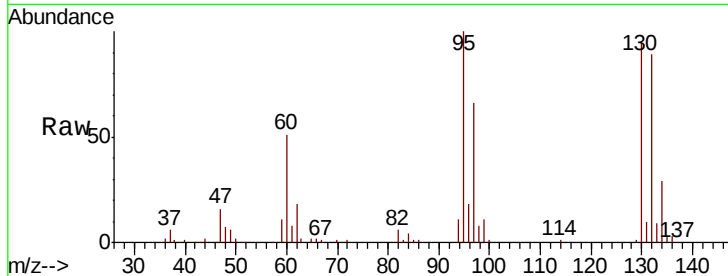
Ion Ratio Lower Upper

95 100

97 66.4 44.4 82.4

132 89.0 64.3 119.3

130 95.2 67.8 125.8



#45

1,1,2-Trichloroethane

Concen: 2.146 ug/L

RT: 7.98 min Scan# 2142

Delta R.T. 0.14 min

Lab File: VV019819.D

Acq: 23 Dec 2020 18:10

Tgt Ion: 97 Resp: 9930

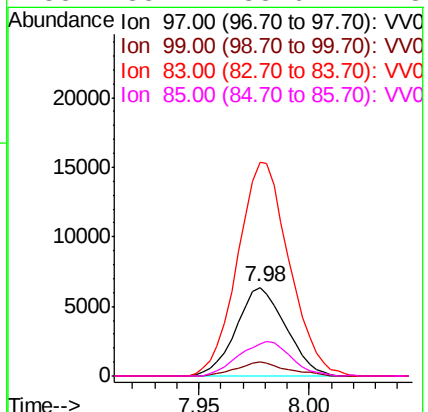
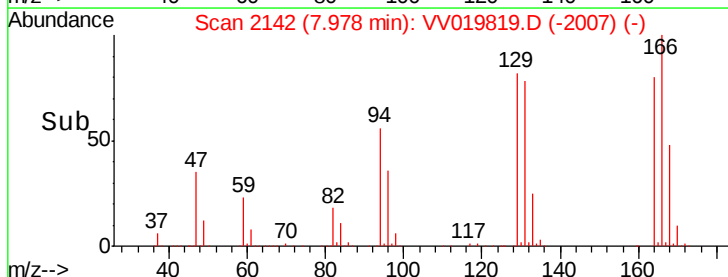
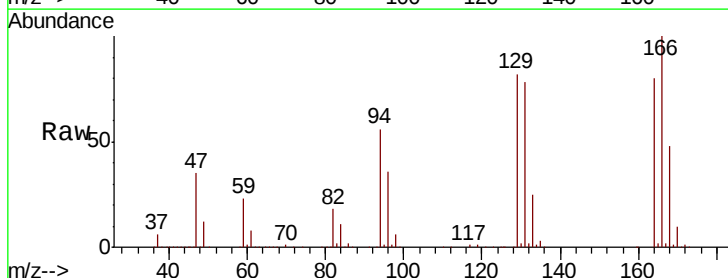
Ion Ratio Lower Upper

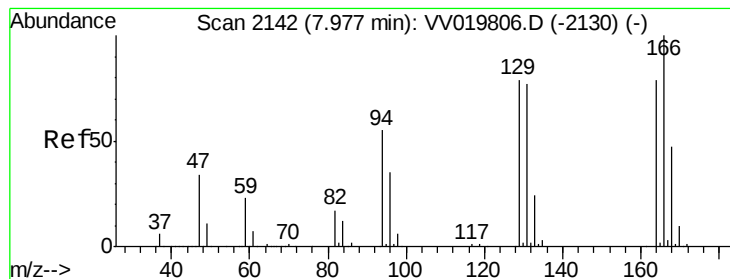
97 100

99 15.9 44.1 81.9#

83 240.0 60.0 111.4#

85 35.4 38.6 71.8#





#46

Tetrachloroethene

Concen: 275.442 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VV019819.D

Acq: 23 Dec 2020 18:10

Instrument :

MSVOA_V

ClientSampleId :

BG4T0

Tot Ion:164 Resp: 939440

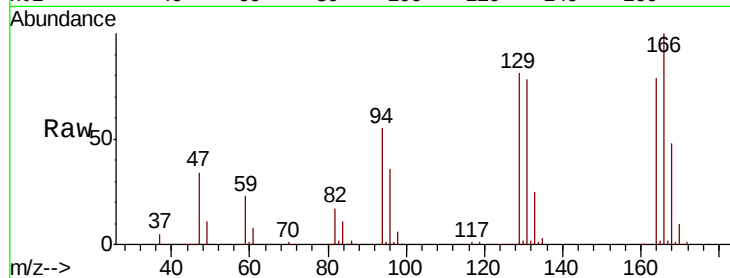
Ion Ratio Lower Upper

164 100

129 102.1 70.6 131.0

131 98.2 68.0 126.4

166 126.0 86.9 161.5

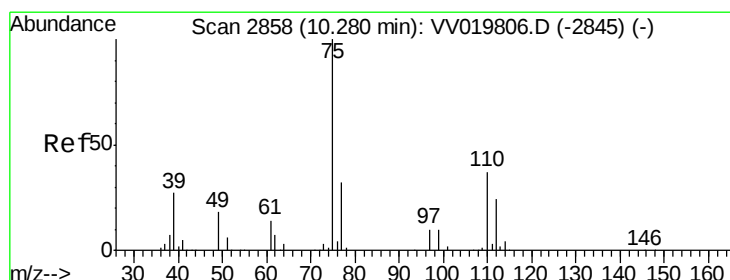
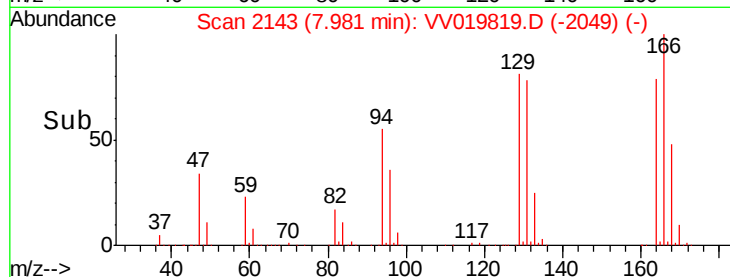
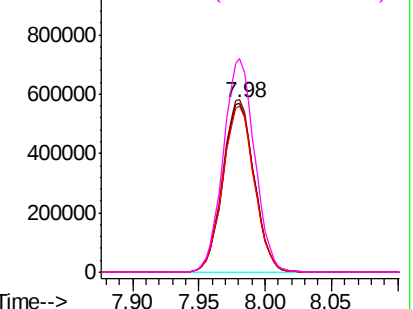


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 7.063 ug/L

RT: 11.25 min Scan# 3161

Delta R.T. 0.97 min

Lab File: VV019819.D

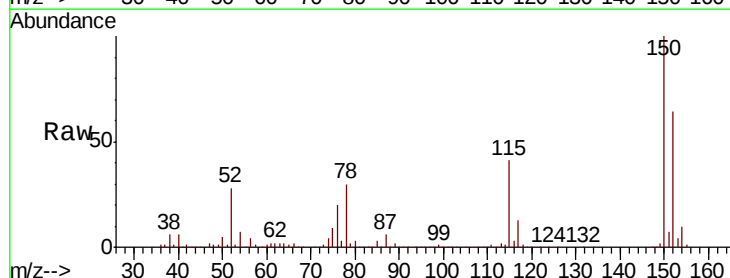
Acq: 23 Dec 2020 18:10

Tgt Ion: 75 Resp: 42810

Ion Ratio Lower Upper

75 100

77 33.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

