

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121520\
 Data File : VV019648.D
 Acq On : 15 Dec 2020 14:43
 Operator : SY/MD
 Sample : L4955-17DL 200X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 16 00:30:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 16 00:27:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	620679	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	574873	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	270427	50.00	ug/L	0.00

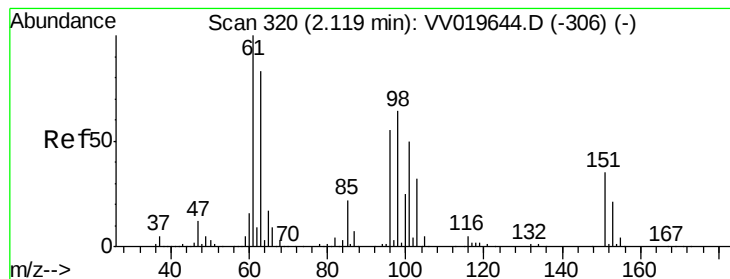
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	244378	54.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.82%
7) Chloroethane-d5	1.57	69	193085	55.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.00%
11) 1,1-Dichloroethene-d2	2.11	63	331374	40.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.24%
21) 2-Butanone-d5	3.90	46	320574	132.52	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	132.52%#
24) Chloroform-d	4.35	84	402844	50.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.44%
26) 1,2-Dichloroethane-d4	5.04	65	284268	54.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.46%
32) Benzene-d6	5.05	84	819312	53.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.88%
36) 1,2-Dichloropropane-d6	6.07	67	260903	54.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.64%
41) Toluene-d8	7.32	98	723363	52.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.80%
43) trans-1,3-Dichloropropene-	7.62	79	126623	46.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.70%
47) 2-Hexanone-d5	8.09	63	230177	122.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.11%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	322786	49.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.38%
64) 1,2-Dichlorobenzene-d4	11.63	152	264954	52.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.82%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	3181	0.883 ug/L #	22
12) 1,1-Dichloroethene	2.11	96	3189	0.862 ug/L #	1
33) Benzene	5.11	78	29323	1.745 ug/L	100
34) Trichloroethene	5.92	95	67071	15.112 ug/L	97
39) cis-1,3-Dichloropropene	6.99	75	7640	1.048 ug/L #	57
45) 1,1,2-Trichloroethane	7.98	97	11022	2.645 ug/L #	1
46) Tetrachloroethene	7.98	164	1118219	364.118 ug/L	98
59) 1,2,3-Trichloropropane	11.25	75	36169	6.627 ug/L	90

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



#10

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

Concen: 0.883 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.01 min

Lab File: VV019648.D

Acq: 15 Dec 2020 14:43

Instrument :

MSVOA_V

ClientSampleId :

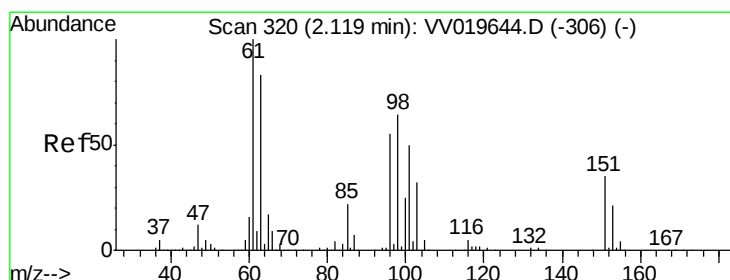
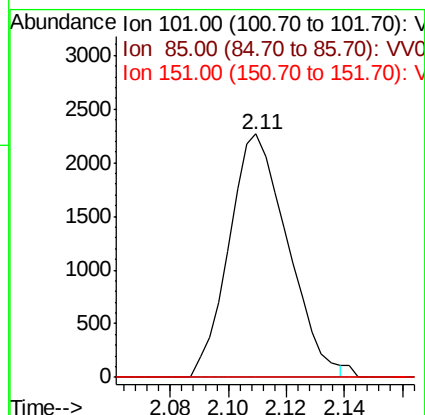
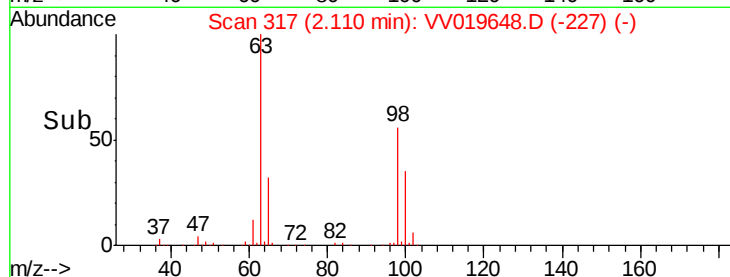
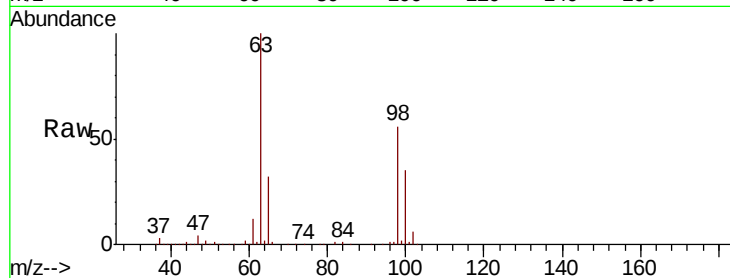
Tot Ion:101 Resp: 3181

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.8 83.8#



#12

1,1-Dichloroethene

Concen: 0.862 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.01 min

Lab File: VV019648.D

Acq: 15 Dec 2020 14:43

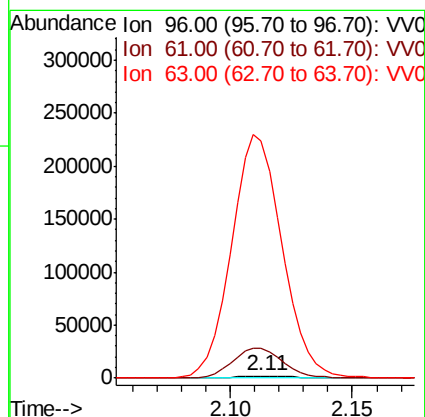
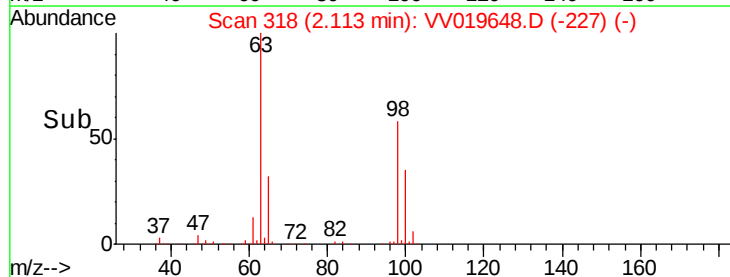
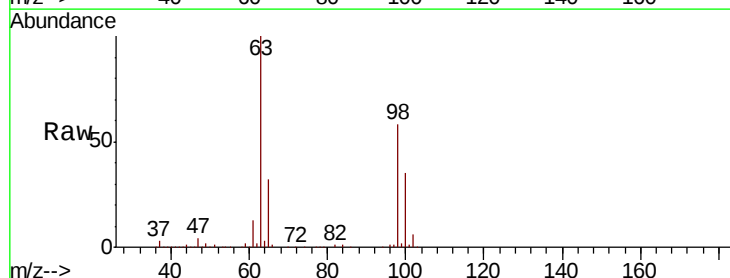
Tgt Ion: 96 Resp: 3189

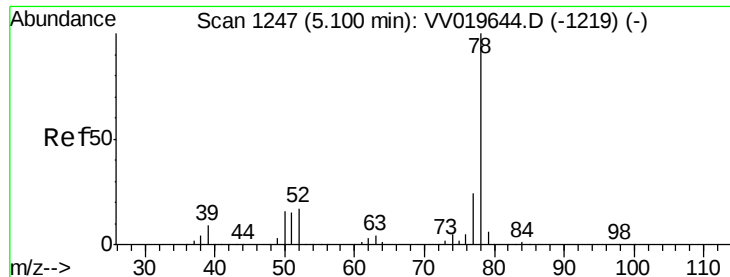
Ion Ratio Lower Upper

96 100

61 1404.3 120.7 224.1#

63 11161.0 64.3 119.5#





#33

Benzene

Concen: 1.745 ug/L

RT: 5.11 min Scan# 1251

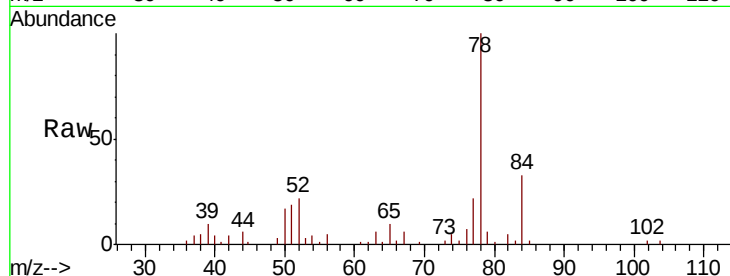
Delta R.T. 0.01 min

Lab File: VV019648.D

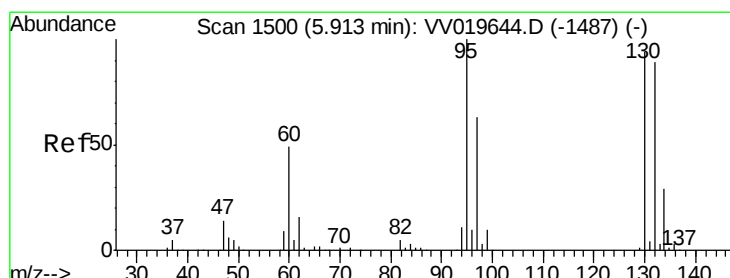
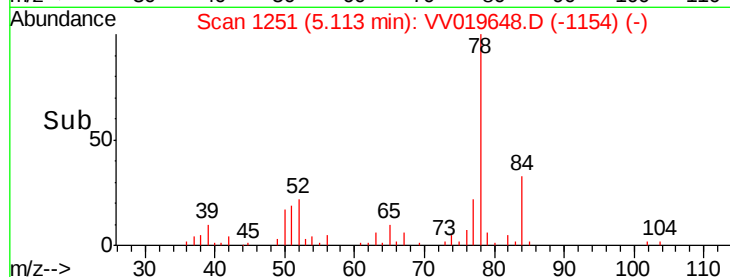
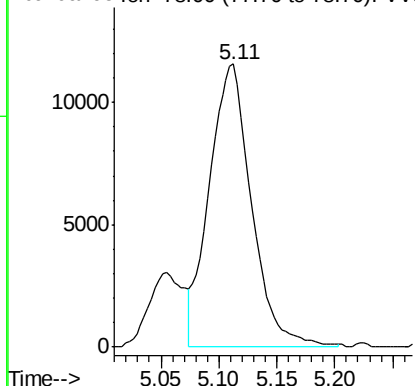
Acq: 15 Dec 2020 14:43

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 29323



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 15.112 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. 0.01 min

Lab File: VV019648.D

Acq: 15 Dec 2020 14:43

Tgt Ion: 95 Resp: 67071

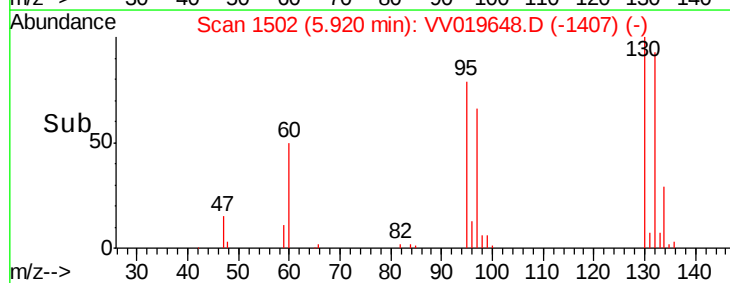
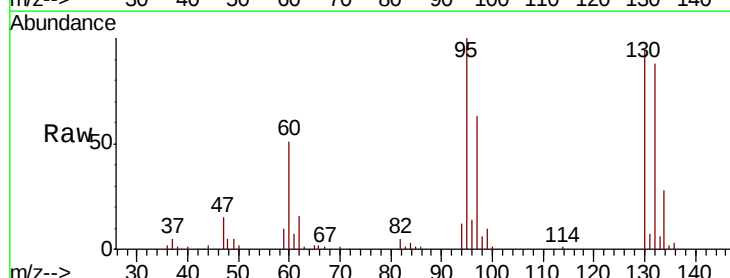
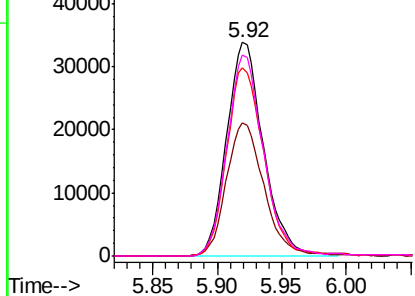
Ion	Ratio	Lower	Upper
95	100		
97	62.6	44.4	82.4
132	87.9	64.3	119.3
130	94.2	67.8	125.8

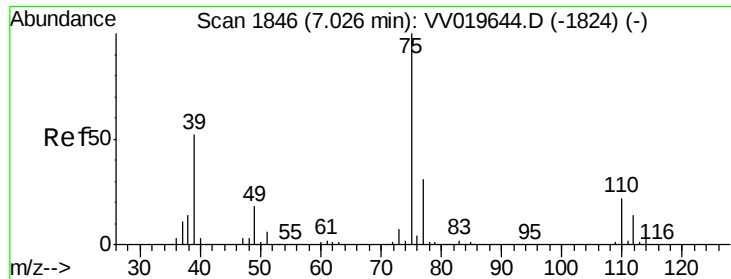
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

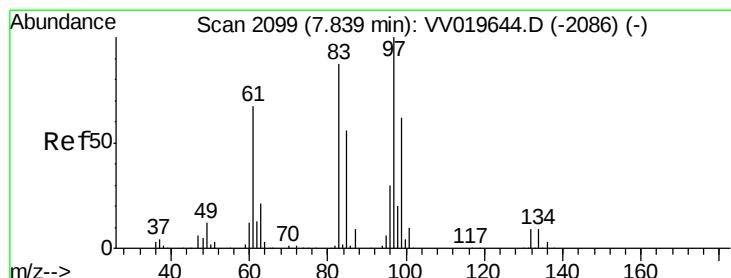
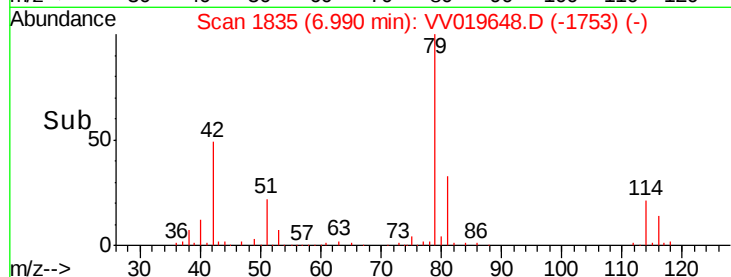
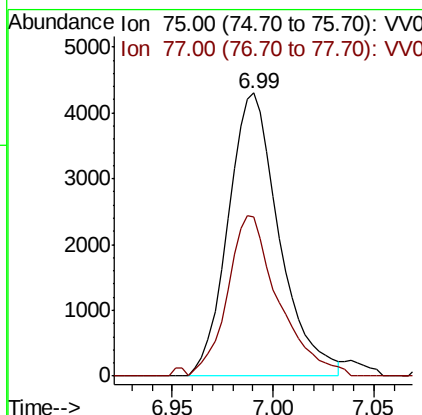
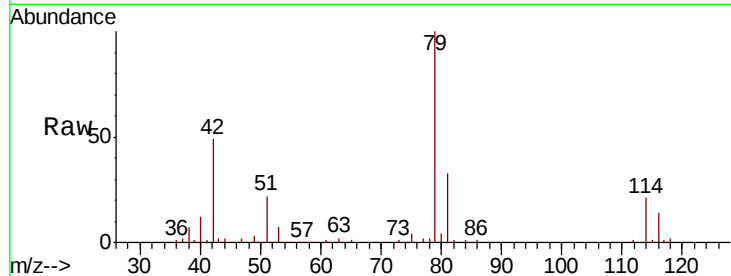




#39
 cis-1,3-Dichloropropene
 Concen: 1.048 ug/L
 RT: 6.99 min Scan# 1835
 Delta R.T. -0.04 min
 Lab File: VV019648.D
 Acq: 15 Dec 2020 14:43

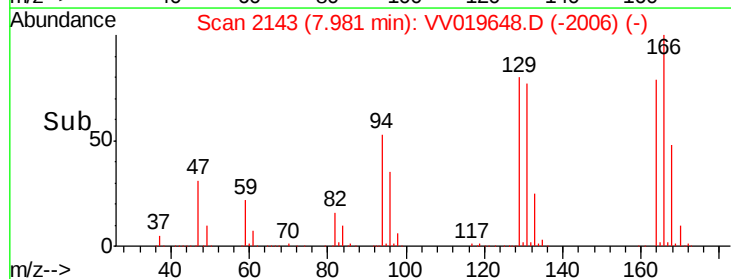
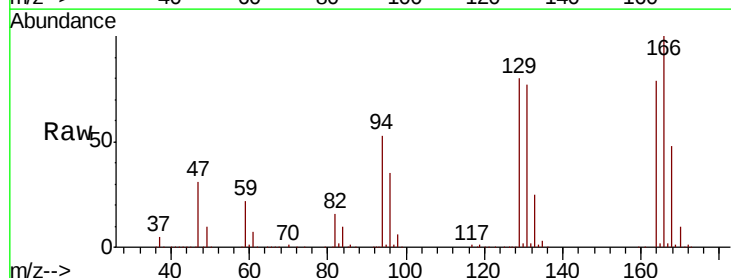
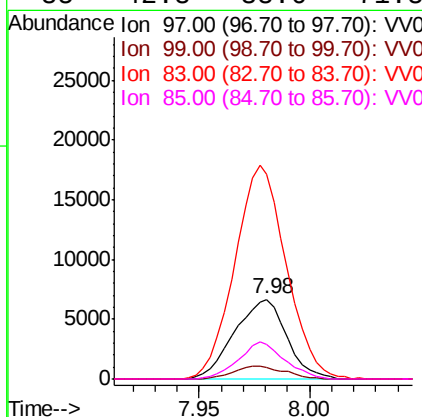
Instrument :
 MSVOA_V
 ClientSampleId :

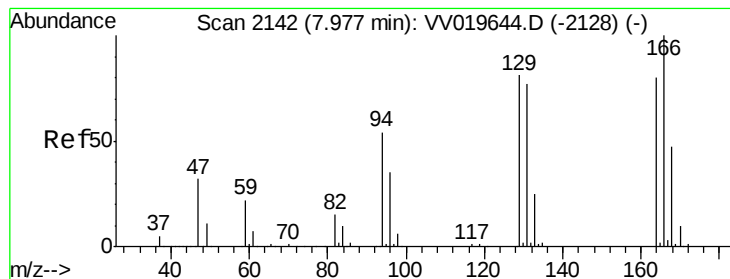
Tot Ion: 75 Resp: 7640
 Ion Ratio Lower Upper
 75 100
 77 56.1 22.4 41.6#



#45
 1,1,2-Trichloroethane
 Concen: 2.645 ug/L
 RT: 7.98 min Scan# 2143
 Delta R.T. 0.14 min
 Lab File: VV019648.D
 Acq: 15 Dec 2020 14:43

Tgt Ion: 97 Resp: 11022
 Ion Ratio Lower Upper
 97 100
 99 13.8 44.1 81.9#
 83 256.5 60.0 111.4#
 85 42.8 38.6 71.8





#46

Tetrachloroethene

Concen: 364.118 ug/L

RT: 7.98 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VV019648.D

Acq: 15 Dec 2020 14:43

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 1118219

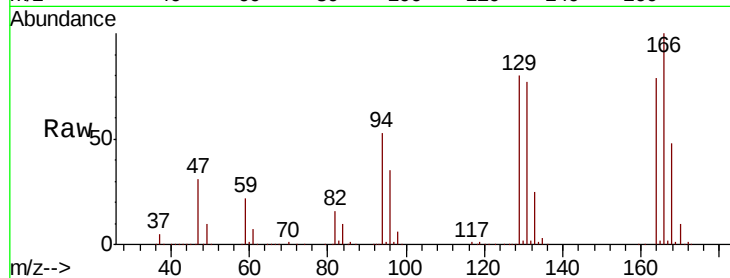
Ion Ratio Lower Upper

164 100

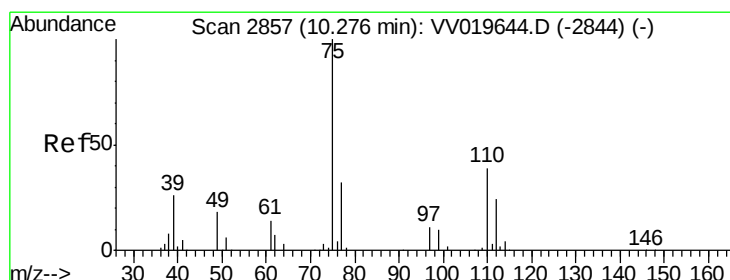
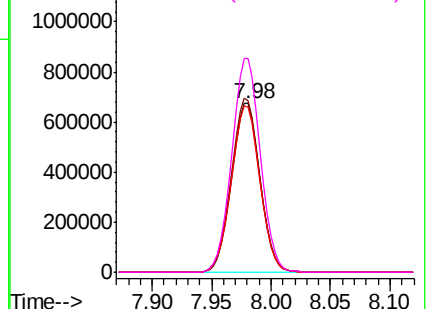
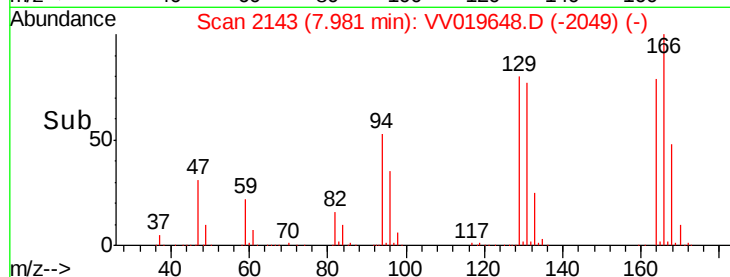
129 101.9 70.6 131.0

131 98.1 68.0 126.4

166 126.8 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: 6.627 ug/L

RT: 11.25 min Scan# 3161

Delta R.T. 0.98 min

Lab File: VV019648.D

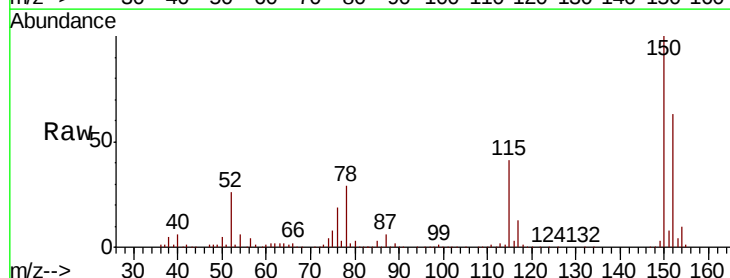
Acq: 15 Dec 2020 14:43

Tgt Ion: 75 Resp: 36169

Ion Ratio Lower Upper

75 100

77 37.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

