

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091820\
 Data File : VV018351.D
 Acq On : 19 Sep 2020 02:24
 Operator : SY/MD
 Sample : L4080-13
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 19 05:20:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 19 05:11:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	268608	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	268708	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	127689	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	92055	42.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.10%
7) Chloroethane-d5	1.58	69	76031	42.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.90%
11) 1,1-Dichloroethene-d2	2.12	63	135911	33.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.70%
21) 2-Butanone-d5	3.91	46	118081	88.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.13%
24) Chloroform-d	4.38	84	168070	44.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.50%
26) 1,2-Dichloroethane-d4	5.06	65	112749	46.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.62%
32) Benzene-d6	5.08	84	338425	43.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.98%
36) 1,2-Dichloropropane-d6	6.09	67	109317	44.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.46%
41) Toluene-d8	7.34	98	298208	42.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.08%
43) trans-1,3-Dichloropropene-	7.64	79	50380	40.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.12%
47) 2-Hexanone-d5	8.11	63	76499	82.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.63%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	134215	43.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.50%
64) 1,2-Dichlorobenzene-d4	11.65	152	125623	47.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

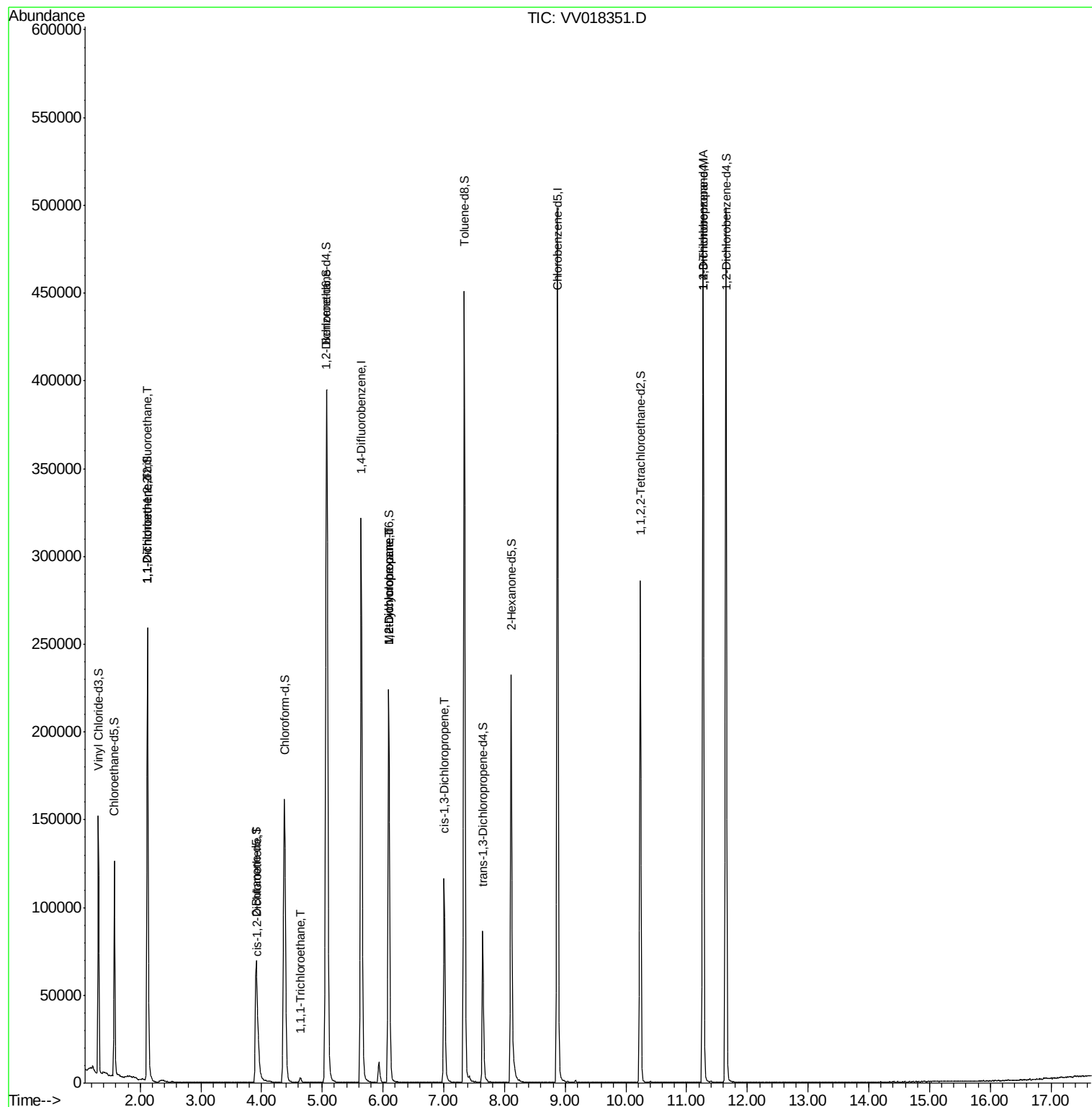
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1352	0.746 ug/L #	19
12) 1,1-Dichloroethene	2.13	96	5101	2.892 ug/L #	1
20) cis-1,2-Dichloroethene	3.94	96	5371	2.764 ug/L	93
30) 1,1,1-Trichloroethane	4.64	97	2268	0.727 ug/L	96
35) Methylcyclohexane	6.09	83	26151	8.299 ug/L #	17
37) 1,2-Dichloropropane	6.10	63	11609	5.702 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2733	0.871 ug/L #	69
59) 1,2,3-Trichloropropane	11.27	75	14335	5.987 ug/L	91

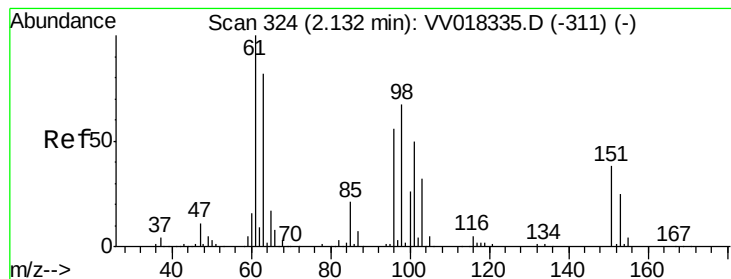
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.746 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018351.D

Acq: 19 Sep 2020 02:24

Instrument :

MSVOA_V

ClientSampleId :

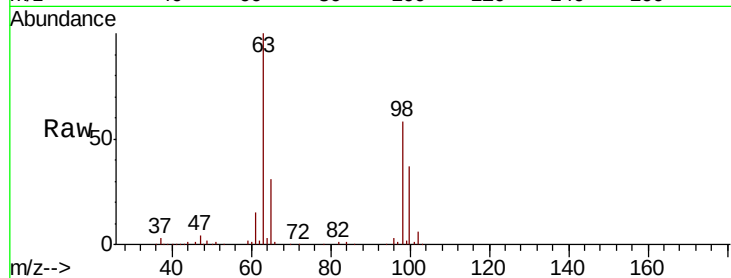
Tot Ion:101 Resp: 1352

Ion Ratio Lower Upper

101 100

85 0.0 33.5 50.3#

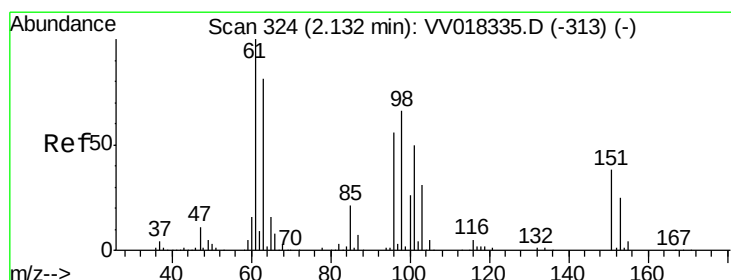
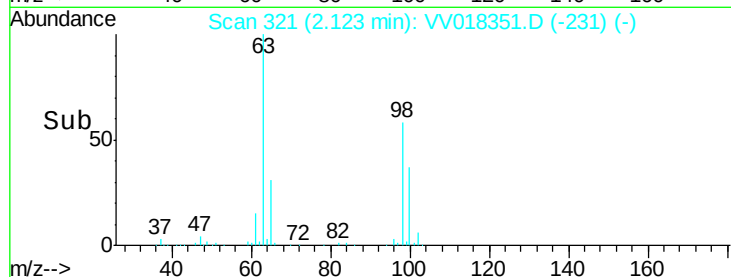
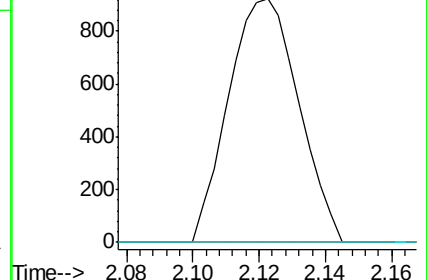
151 0.0 62.2 93.2#



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: 2.892 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018351.D

Acq: 19 Sep 2020 02:24

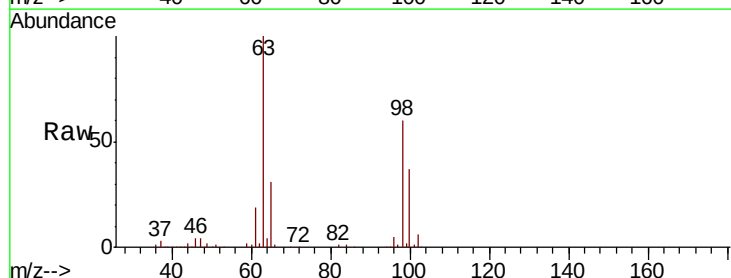
Tgt Ion: 96 Resp: 5101

Ion Ratio Lower Upper

96 100

61 391.7 122.9 228.3#

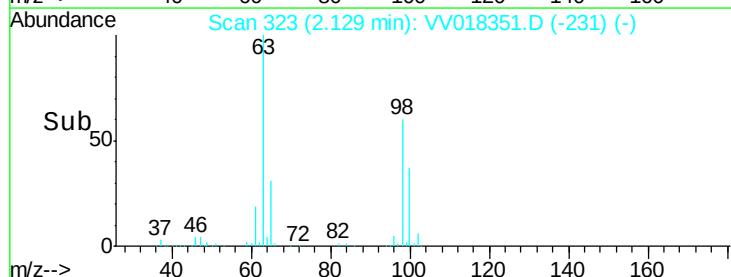
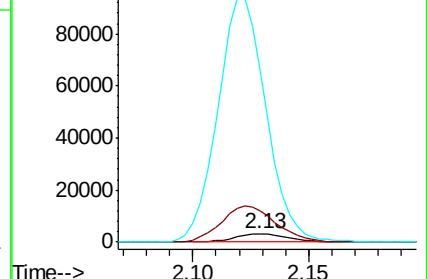
63 2109.7 91.9 170.7#

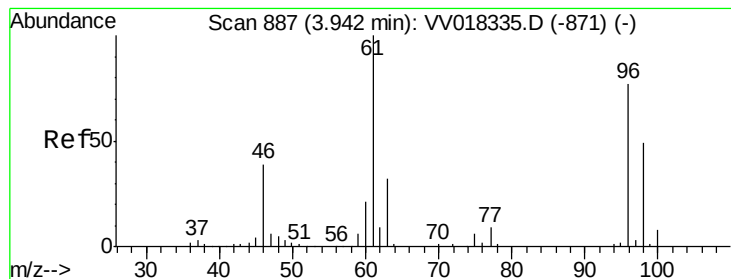


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#20

cis-1,2-Dichloroethene

Concen: 2.764 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV018351.D

Acq: 19 Sep 2020 02:24

Instrument :
MSVOA_V
ClientSampleId :

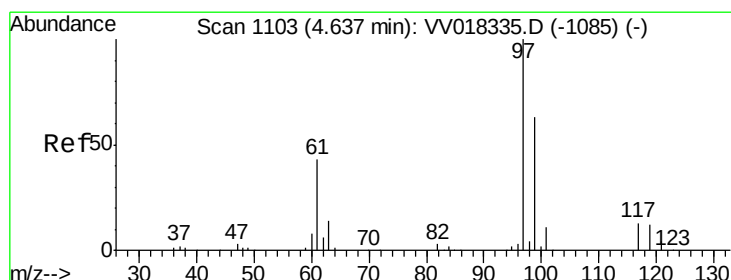
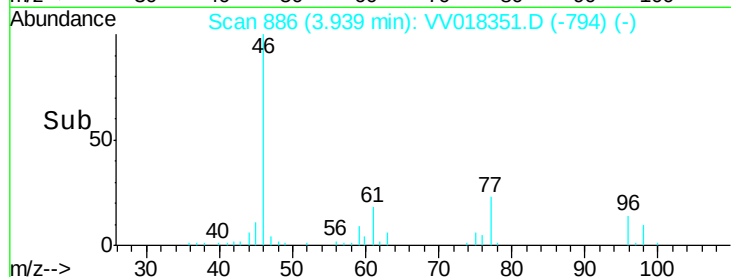
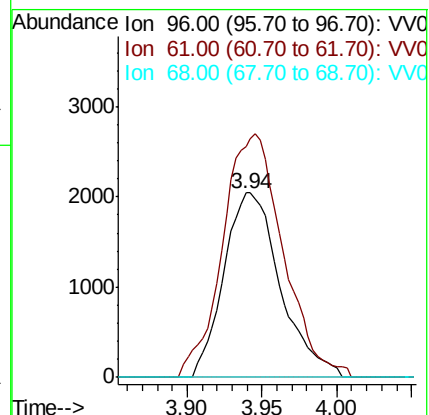
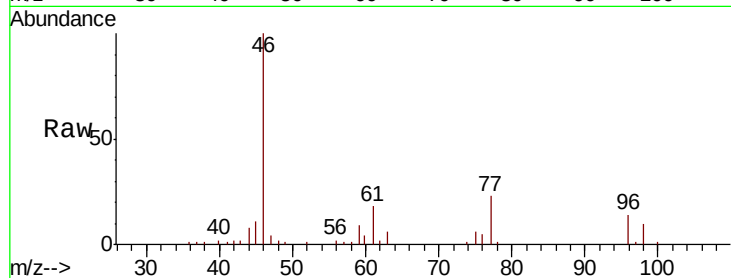
Tot Ion: 96 Resp: 5371

Ion Ratio Lower Upper

96 100

61 125.5 93.6 173.8

68 0.0 0.0 0.0



#30

1,1,1-Trichloroethane

Concen: 0.727 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV018351.D

Acq: 19 Sep 2020 02:24

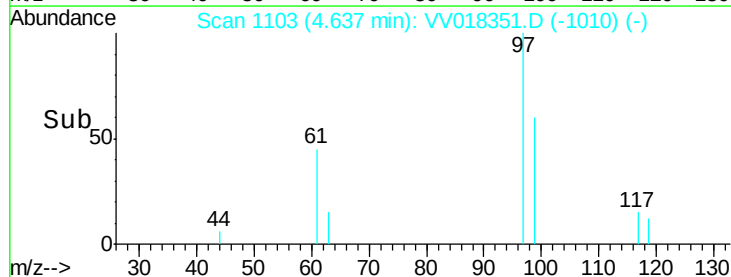
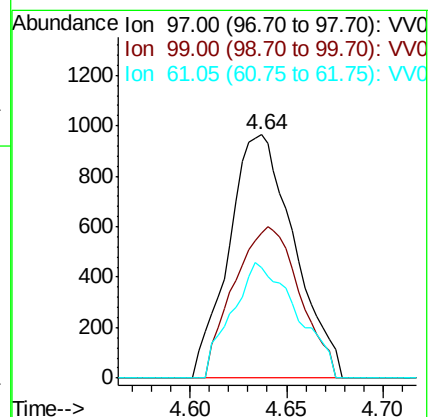
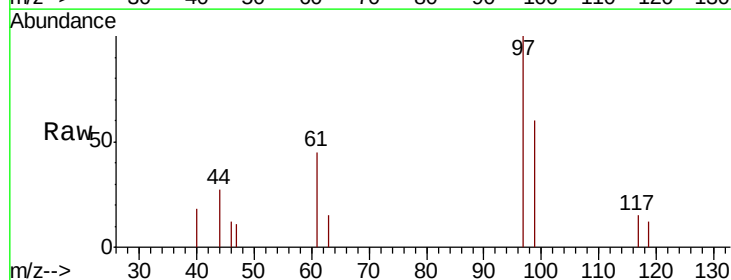
Tgt Ion: 97 Resp: 2268

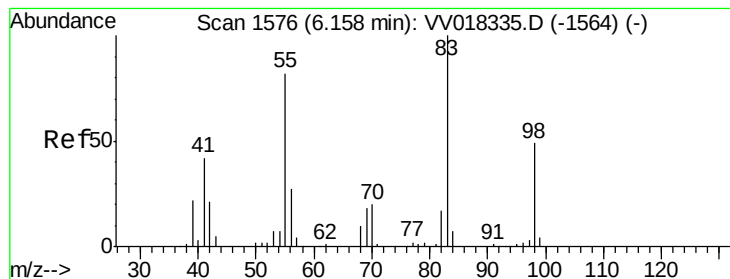
Ion Ratio Lower Upper

97 100

99 62.5 51.6 77.4

61 47.0 34.9 52.3





#35

Methvlcvclohexane

Concen: 8.299 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018351.D

Acq: 19 Sep 2020 02:24

Instrument :

MSVOA_V

ClientSampleId :

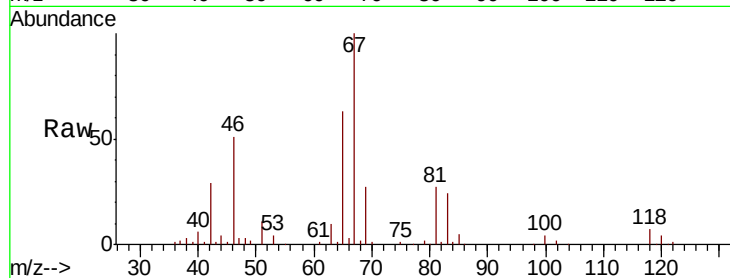
Tot Ion: 83 Resp: 26151

Ion Ratio Lower Upper

83 100

55 0.2 63.4 95.2#

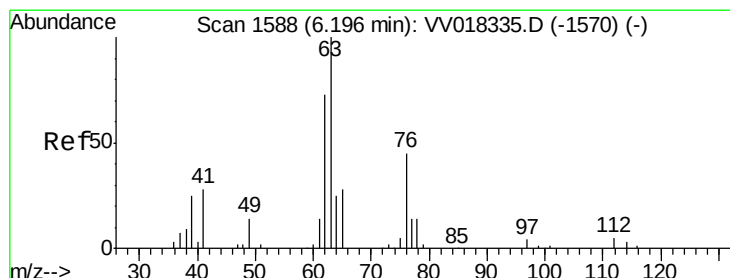
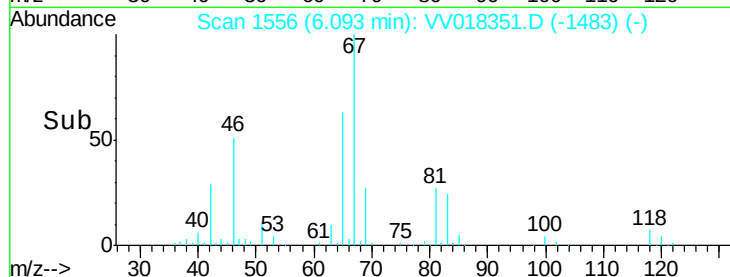
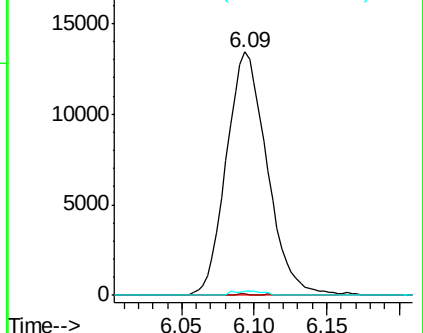
98 0.5 38.8 58.2#



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#37

1,2-Dichloropropane

Concen: 5.702 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV018351.D

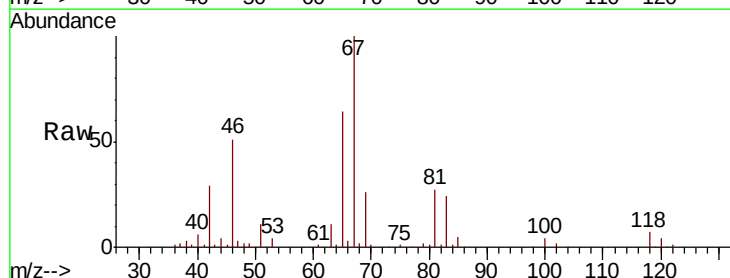
Acq: 19 Sep 2020 02:24

Tgt Ion: 63 Resp: 11609

Ion Ratio Lower Upper

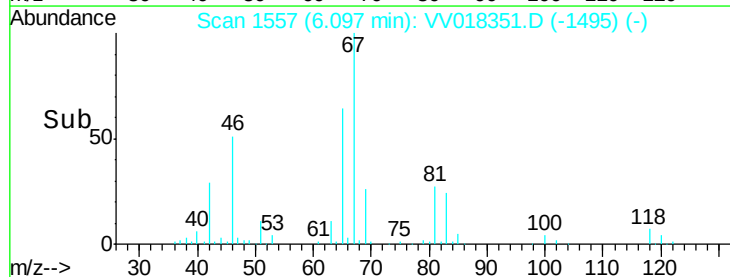
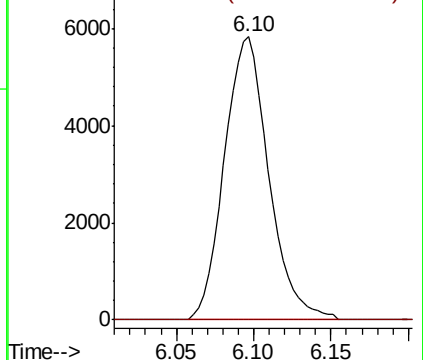
63 100

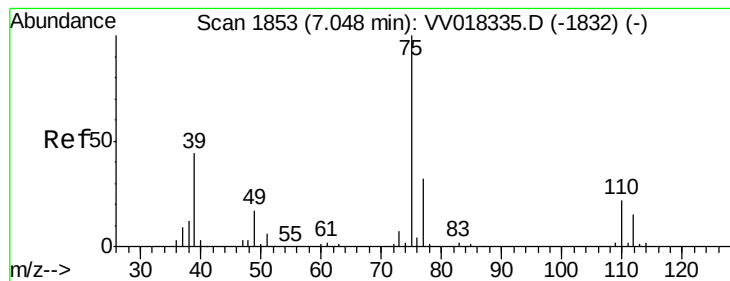
112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



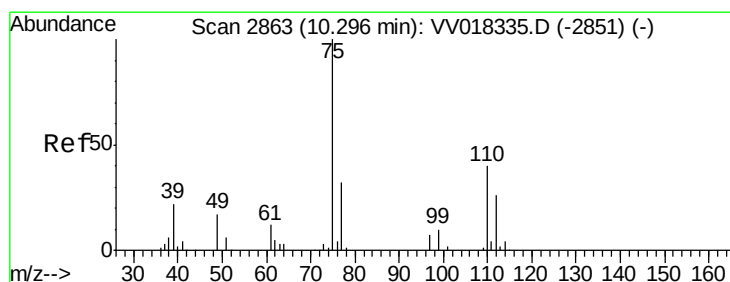
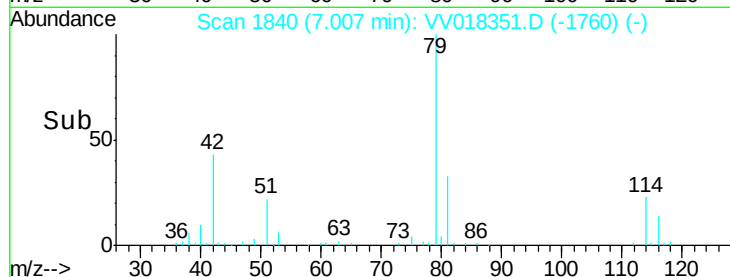
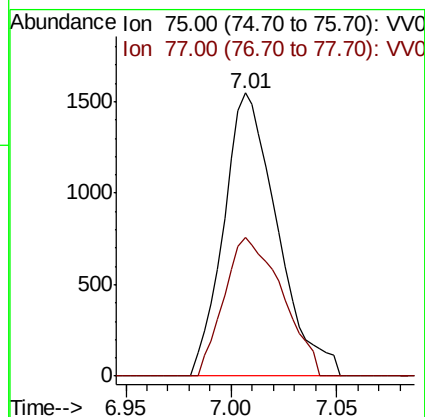
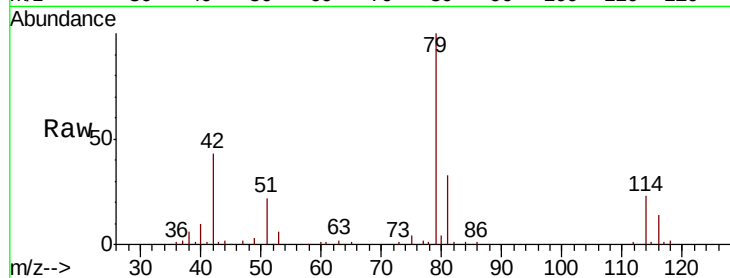


#39

cis-1,3-Dichloropropene
Concen: 0.871 ug/L
RT: 7.01 min Scan# 1840
Delta R.T. -0.04 min
Lab File: VV018351.D
Acq: 19 Sep 2020 02:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 2733
Ion Ratio Lower Upper
75 100
77 48.9 22.3 41.3#



#59

1,2,3-Trichloropropane
Concen: 5.987 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.97 min
Lab File: VV018351.D
Acq: 19 Sep 2020 02:24

Tgt Ion: 75 Resp: 14335
Ion Ratio Lower Upper
75 100
77 37.4 25.8 38.6

