

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091620\
 Data File : VV018254.D
 Acq On : 16 Sep 2020 22:57
 Operator : SY/MD
 Sample : L4042-08
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 17 05:35:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 17 05:33:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	286761	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	281547	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	135045	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95540	40.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.76%
7) Chloroethane-d5	1.58	69	79715	41.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.38%
11) 1,1-Dichloroethene-d2	2.12	63	165659	38.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.28%
21) 2-Butanone-d5	3.92	46	124924	87.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.33%
24) Chloroform-d	4.38	84	173089	42.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.38%
26) 1,2-Dichloroethane-d4	5.06	65	115254	44.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.68%
32) Benzene-d6	5.08	84	345419	42.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.72%
36) 1,2-Dichloropropane-d6	6.09	67	113235	44.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.44%
41) Toluene-d8	7.34	98	308895	42.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.10%
43) trans-1,3-Dichloropropene-	7.64	79	53571	41.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.32%
47) 2-Hexanone-d5	8.11	63	89222	91.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.98%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	147441	45.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.74%
64) 1,2-Dichlorobenzene-d4	11.65	152	133819	48.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.50%

Target Compounds

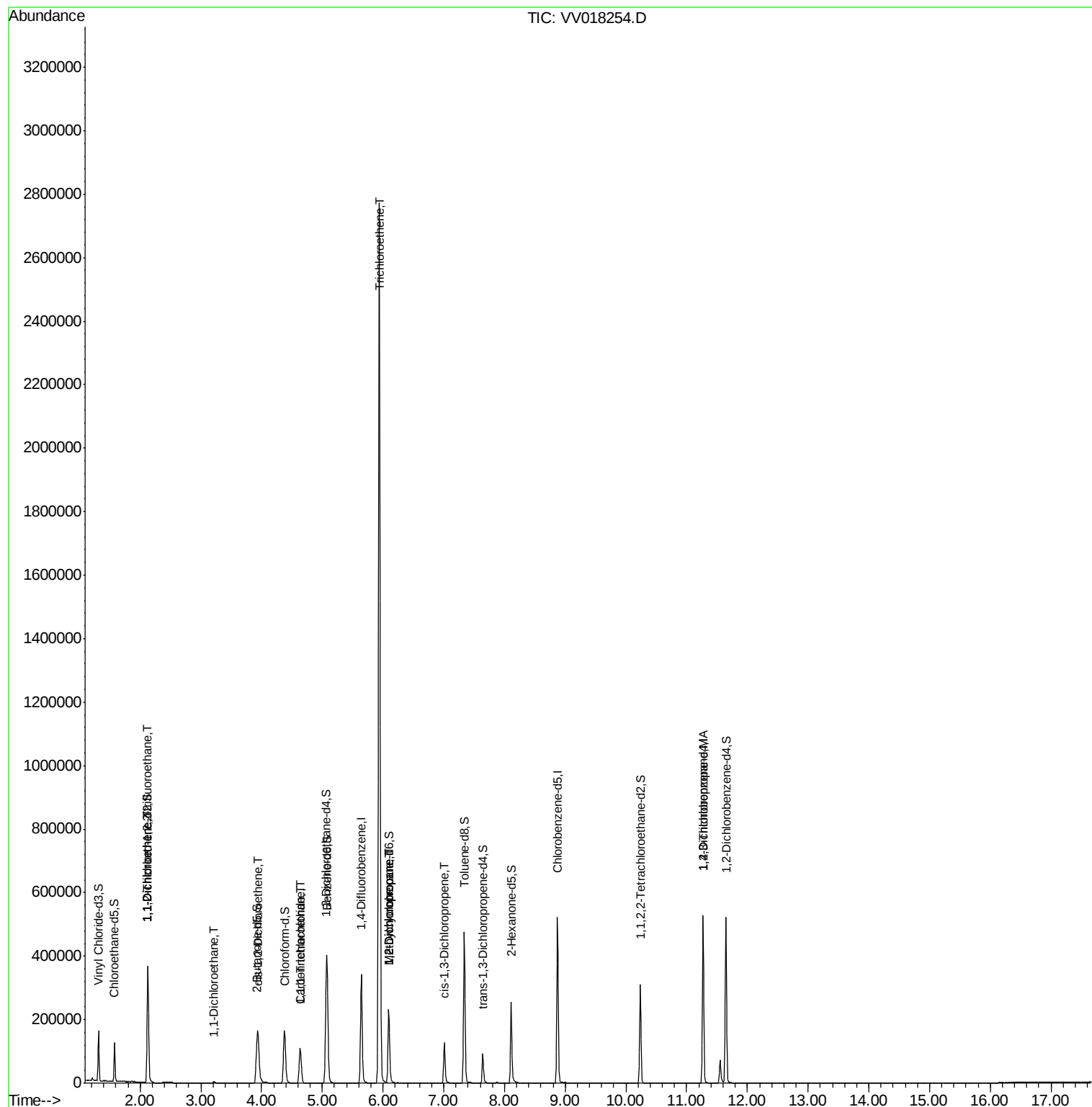
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1554	0.803	ug/L #	21
12) 1,1-Dichloroethene	2.13	96	53936	28.646	ug/L #	70
19) 1,1-Dichloroethane	3.22	63	4731	1.290	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	65039	31.355	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	90696	27.757	ug/L	99
31) Carbon tetrachloride	4.64	117	11477	3.995	ug/L	98
34) Trichloroethene	5.94	95	966361	440.688	ug/L	99
35) Methylcyclohexane	6.09	83	27224	8.246	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	12331	5.781	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	3196	0.972	ug/L #	54
59) 1,2,3-Trichloropropane	11.27	75	15527	6.189	ug/L	94

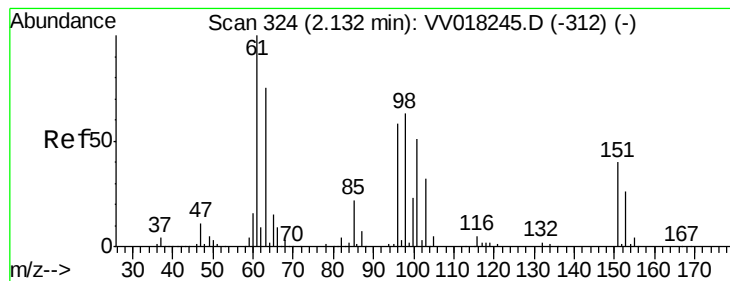
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.803 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018254.D

Acq: 16 Sep 2020 22:57

Instrument :

MSVOA_V

ClientSampled :

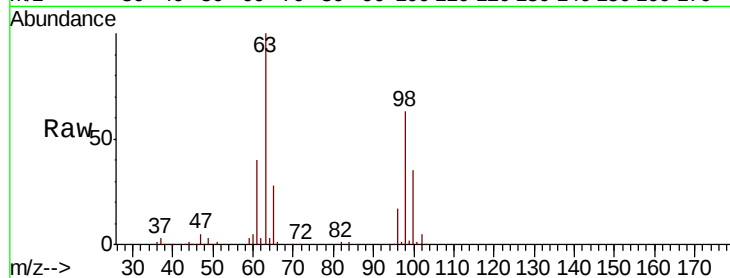
Tot Ion:101 Resp: 1554

Ion Ratio Lower Upper

101 100

85 4.6 33.5 50.3#

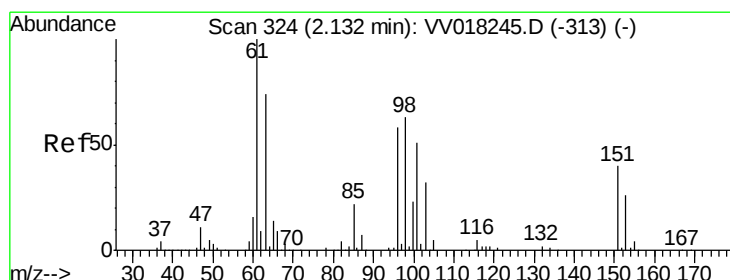
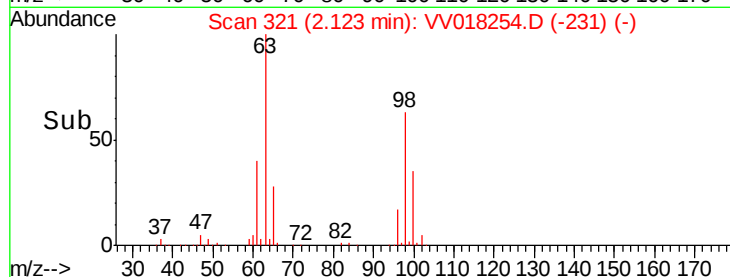
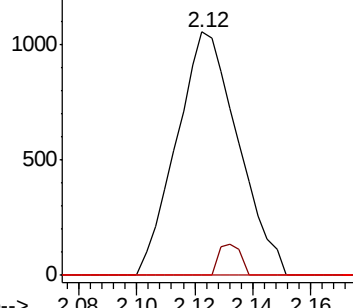
151 0.0 62.2 93.2#



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: 28.646 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018254.D

Acq: 16 Sep 2020 22:57

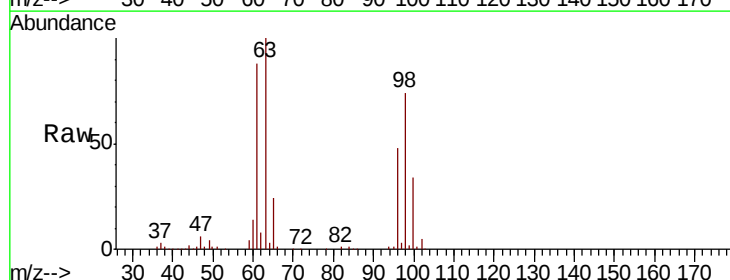
Tgt Ion: 96 Resp: 53936

Ion Ratio Lower Upper

96 100

61 181.3 122.9 228.3

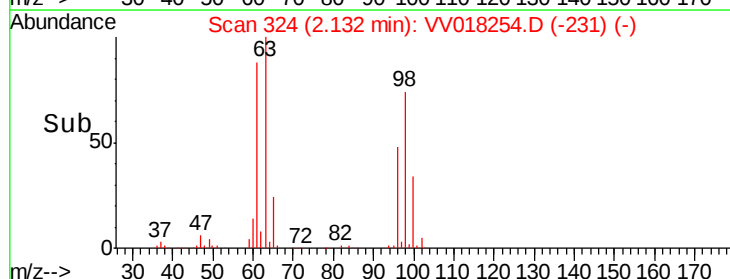
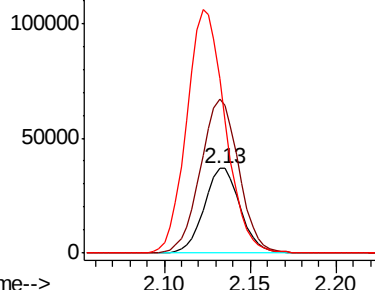
63 206.6 91.9 170.7#

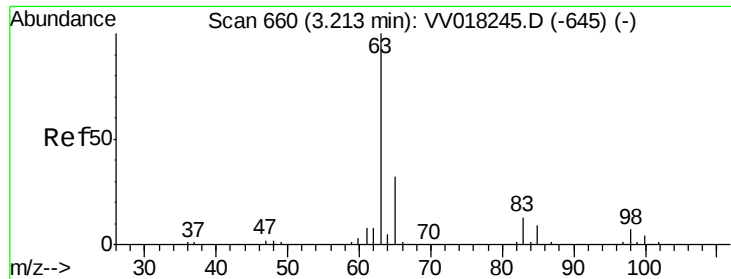


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

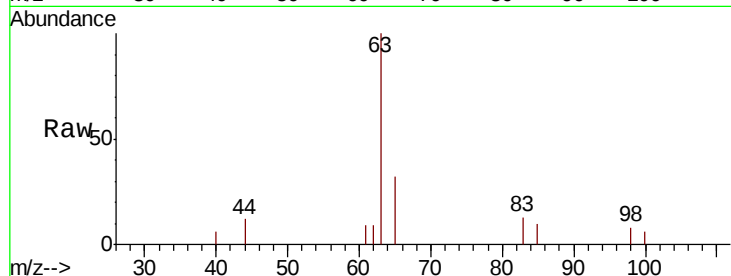




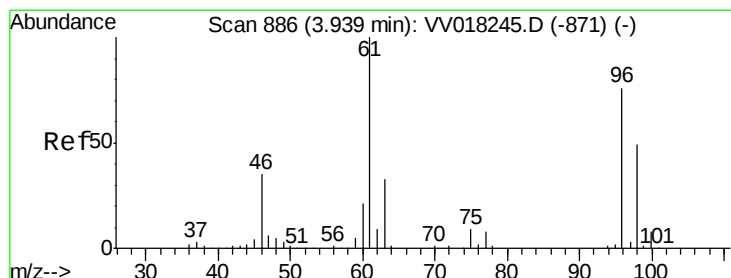
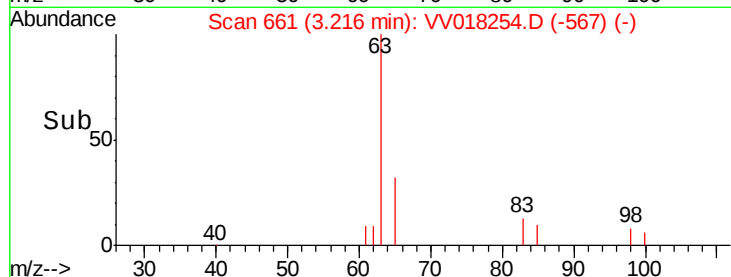
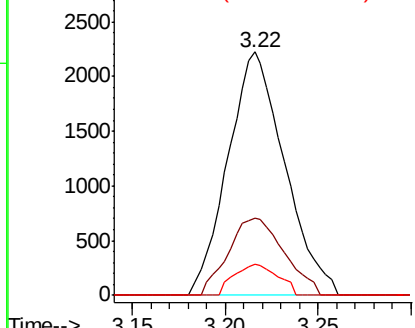
#19
 1,1-Dichloroethane
 Concen: 1.290 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: VV018254.D
 Acq: 16 Sep 2020 22:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 4731
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.5 41.7
 83 13.0 9.3 17.3

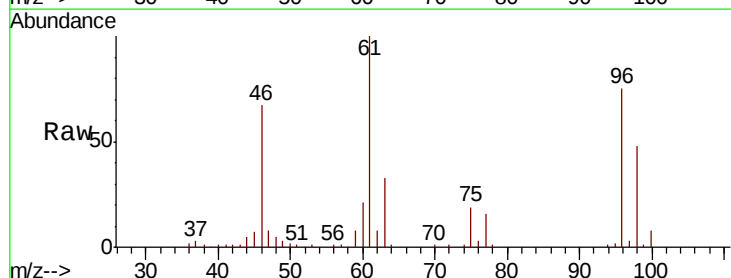


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

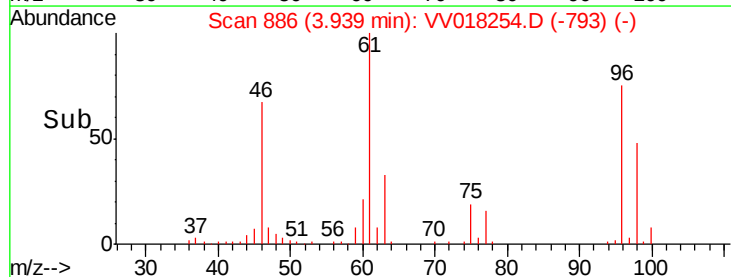
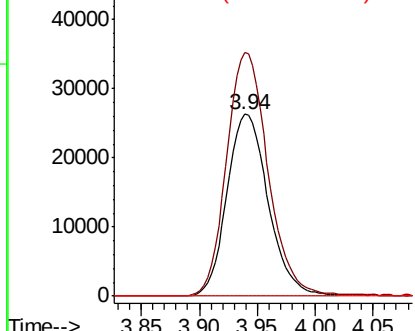


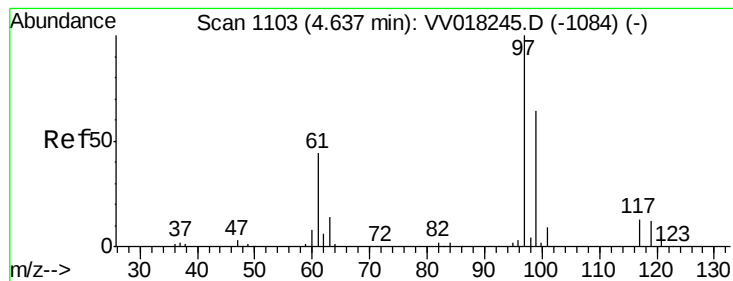
#20
 cis-1,2-Dichloroethene
 Concen: 31.355 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV018254.D
 Acq: 16 Sep 2020 22:57

Tgt Ion: 96 Resp: 65039
 Ion Ratio Lower Upper
 96 100
 61 133.9 93.6 173.8
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#30

1,1,1-Trichloroethane

Concen: 27.757 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV018254.D

Acq: 16 Sep 2020 22:57

Instrument :
MSVOA_V
ClientSampled :

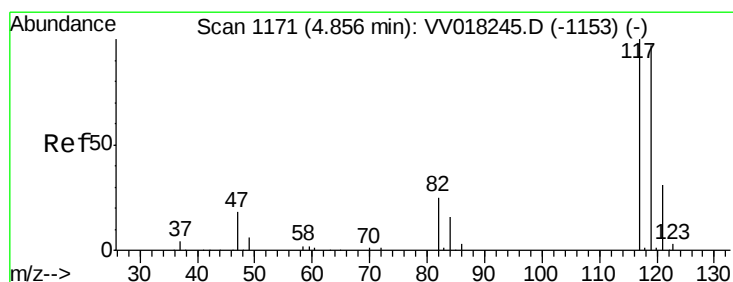
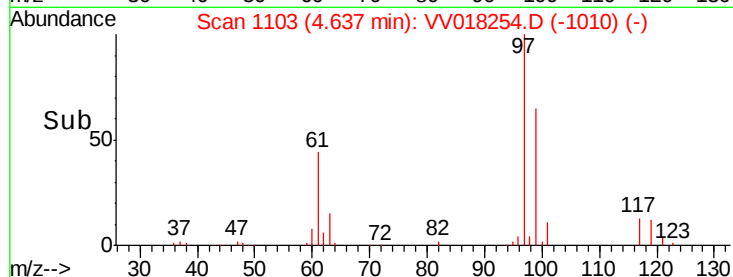
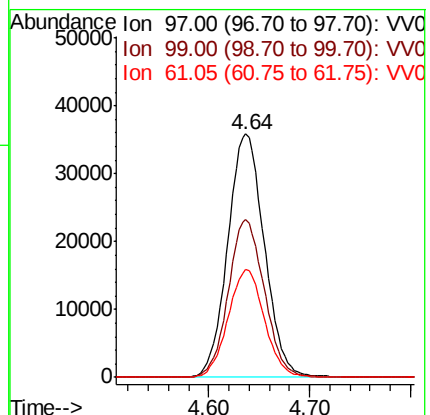
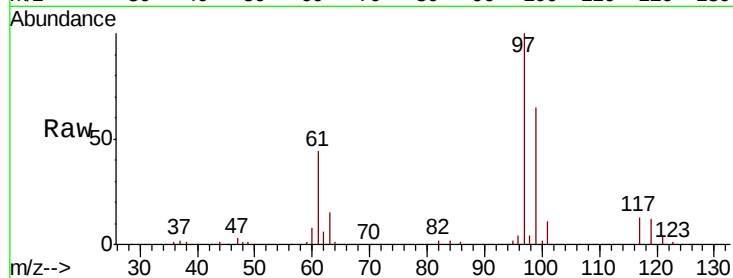
Tot Ion: 97 Resp: 90696

Ion Ratio Lower Upper

97 100

99 63.7 51.6 77.4

61 43.8 34.9 52.3



#31

Carbon tetrachloride

Concen: 3.995 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. -0.22 min

Lab File: VV018254.D

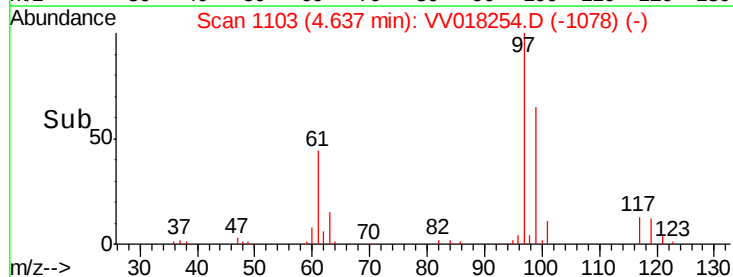
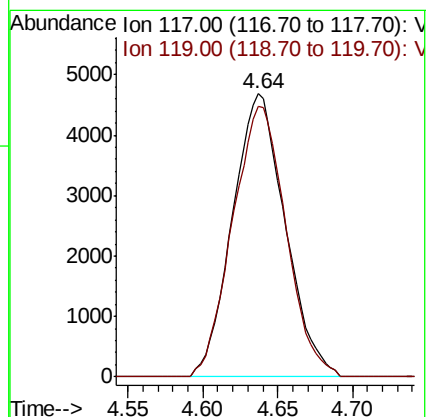
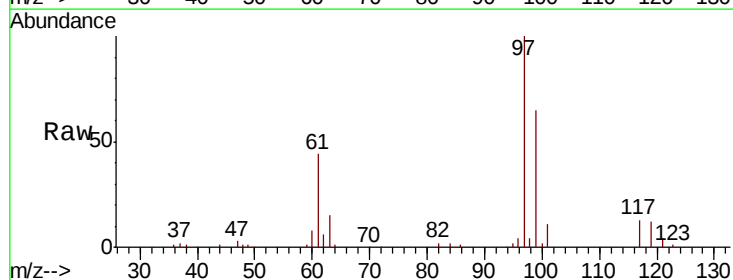
Acq: 16 Sep 2020 22:57

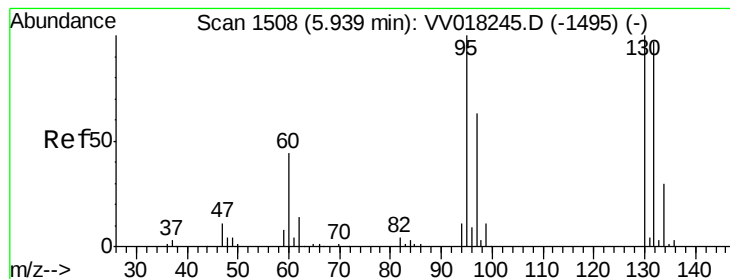
Tgt Ion: 117 Resp: 11477

Ion Ratio Lower Upper

117 100

119 96.8 75.7 113.5





#34

Trichloroethene

Concen: 440.688 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV018254.D

Acq: 16 Sep 2020 22:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 966361

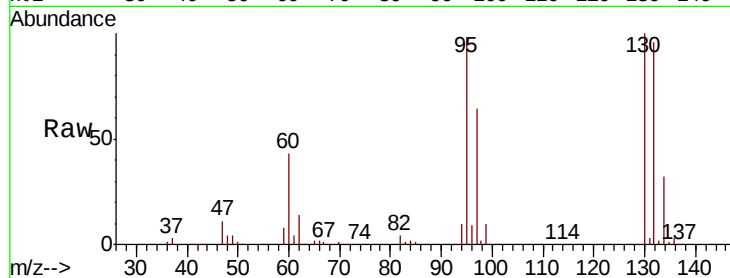
Ion Ratio Lower Upper

95 100

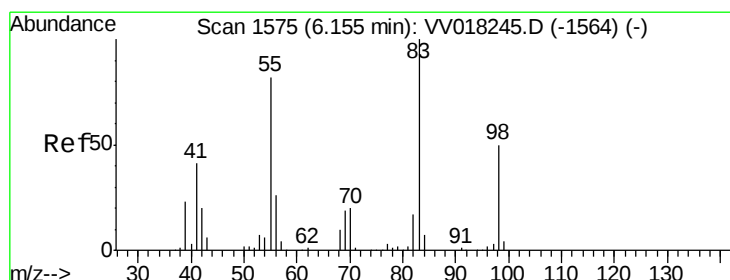
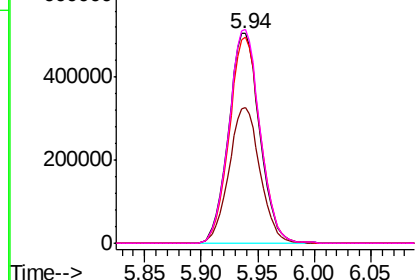
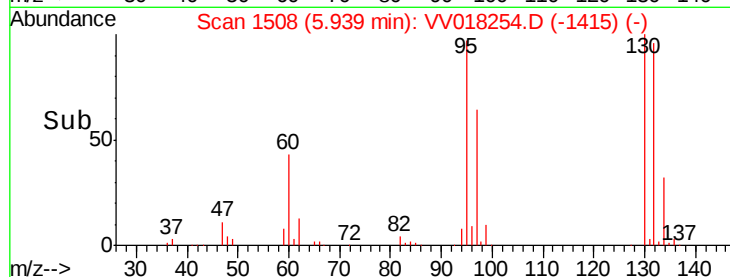
97 64.8 46.3 85.9

132 98.1 68.1 126.5

130 101.9 71.5 132.9



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): VV0
Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 8.246 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018254.D

Acq: 16 Sep 2020 22:57

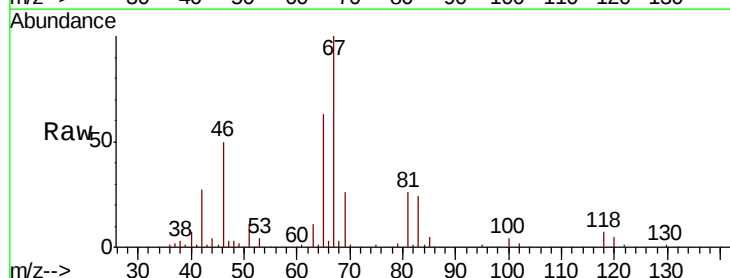
Tgt Ion: 83 Resp: 27224

Ion Ratio Lower Upper

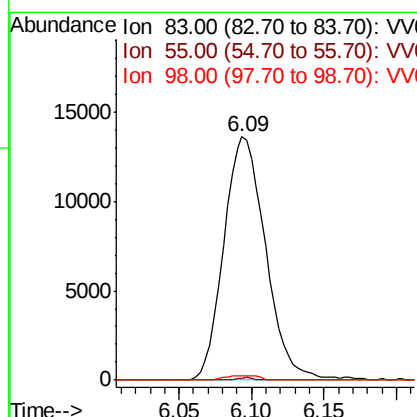
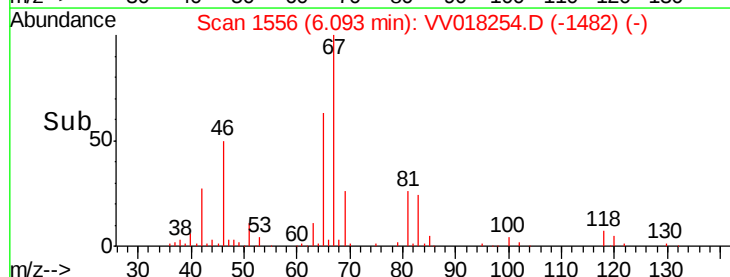
83 100

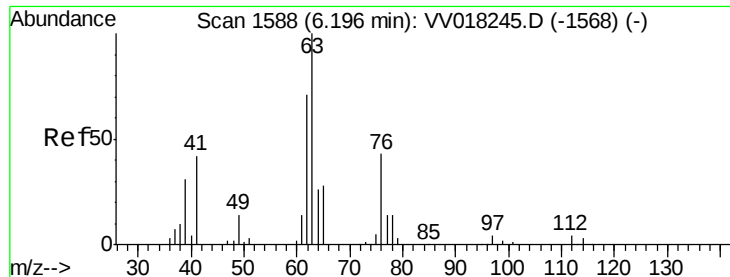
55 0.4 63.4 95.2#

98 1.4 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

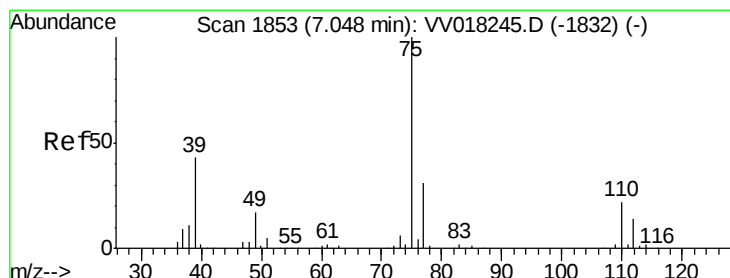
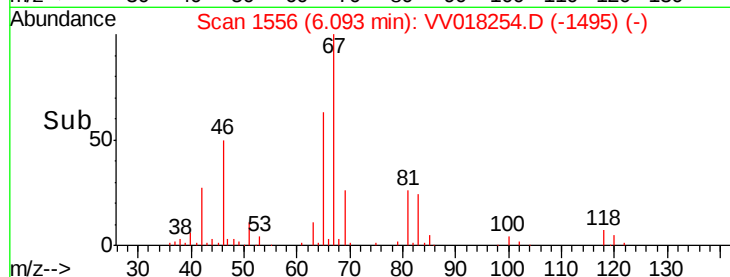
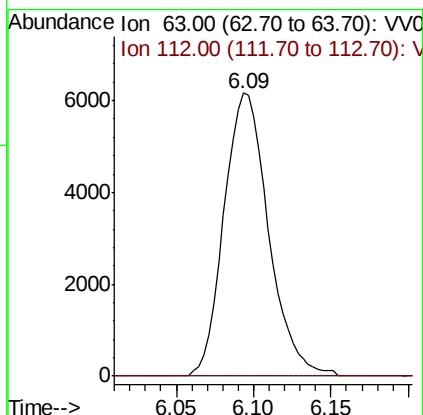
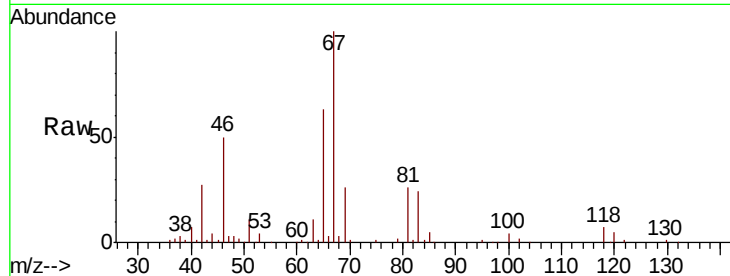




#37
 1,2-Dichloropropane
 Concen: 5.781 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV018254.D
 Acq: 16 Sep 2020 22:57

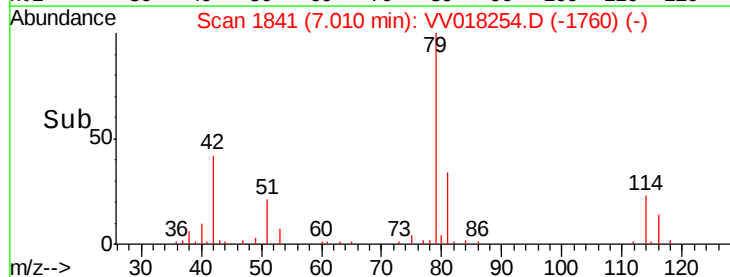
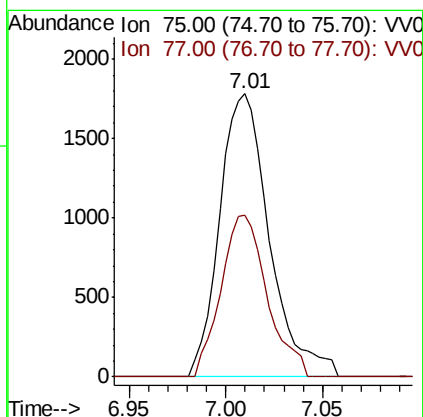
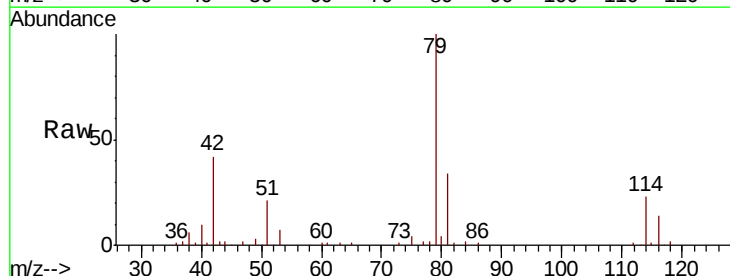
Instrument :
 MSVOA_V
 ClientSampled :

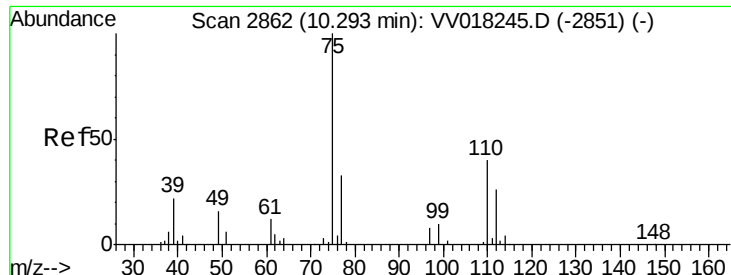
Tot Ion: 63 Resp: 12331
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.972 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV018254.D
 Acq: 16 Sep 2020 22:57

Tgt Ion: 75 Resp: 3196
 Ion Ratio Lower Upper
 75 100
 77 57.2 22.3 41.3#





#59

1,2,3-Trichloropropane

Concen: 6.189 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018254.D

Acq: 16 Sep 2020 22:57

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 75 Resp: 15527

Ion Ratio Lower Upper

75 100

77 35.6 25.8 38.6

