

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092520\
 Data File : VV018454.D
 Acq On : 25 Sep 2020 14:44
 Operator : SY/MD
 Sample : L4117-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA0

Quant Time: Sep 25 23:45:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 23:36:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	401592	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	383242	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	198692	50.00	ug/L	0.00

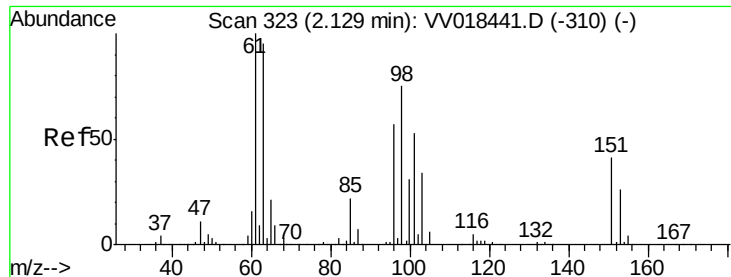
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	142609	43.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.14%
7) Chloroethane-d5	1.58	69	117161	43.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.50%
11) 1,1-Dichloroethene-d2	2.12	63	199524	33.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.46%
21) 2-Butanone-d5	3.91	46	179417	89.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.56%
24) Chloroform-d	4.38	84	243349	42.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.72%
26) 1,2-Dichloroethane-d4	5.06	65	158768	43.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.24%
32) Benzene-d6	5.08	84	516560	47.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.16%
36) 1,2-Dichloropropane-d6	6.09	67	163140	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.60%
41) Toluene-d8	7.34	98	474656	47.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.94%
43) trans-1,3-Dichloropropene-	7.64	79	81092	45.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.56%
47) 2-Hexanone-d5	8.11	63	114978	87.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.07%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	201613	46.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.16%
64) 1,2-Dichlorobenzene-d4	11.65	152	196543	48.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.34%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1819	0.671	ug/L #	19
12) 1,1-Dichloroethene	2.13	96	3062	1.161	ug/L #	1
19) 1,1-Dichloroethane	3.22	63	20783	4.045	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	10113	3.481	ug/L	99
34) Trichloroethene	5.94	95	243481	81.571	ug/L	98
35) Methylcyclohexane	6.09	83	39024	8.683	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	17667	6.085	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	4434	0.991	ug/L #	66
59) 1,2,3-Trichloropropane	11.27	75	22066	6.461	ug/L	92

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



#10

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

Concen: 0.671 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018454.D

Acq: 25 Sep 2020 14:44

Instrument :

MSVOA_V

ClientSampleId :

E0AA0

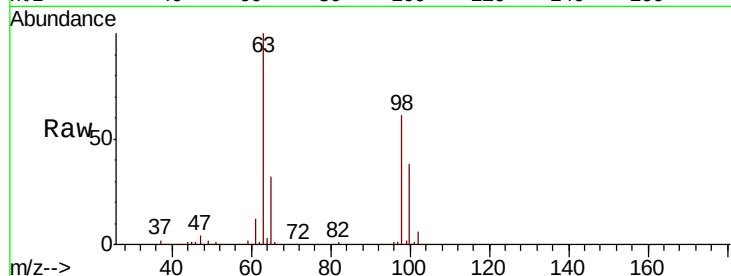
Tot Ion:101 Resp: 1819

Ion Ratio Lower Upper

101 100

85 0.0 33.5 50.3#

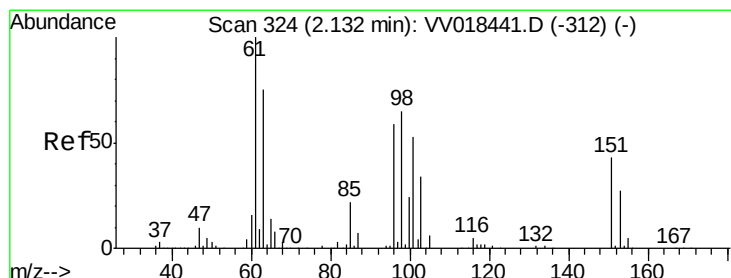
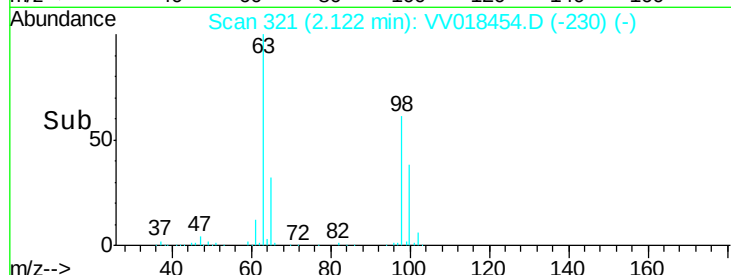
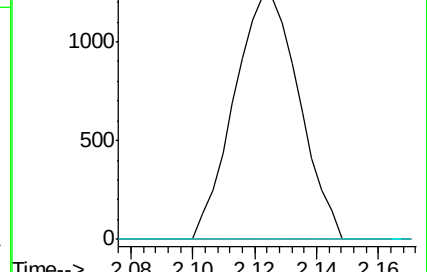
151 0.0 62.2 93.2#



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: 1.161 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018454.D

Acq: 25 Sep 2020 14:44

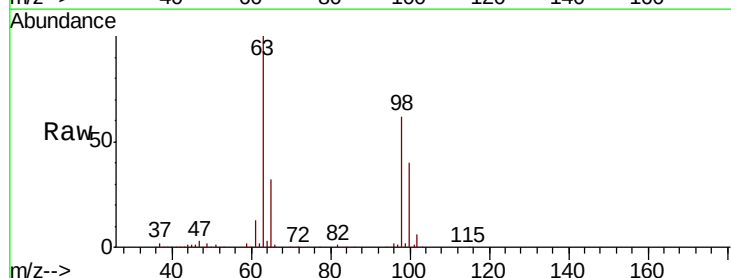
Tgt Ion: 96 Resp: 3062

Ion Ratio Lower Upper

96 100

61 803.9 122.9 228.3#

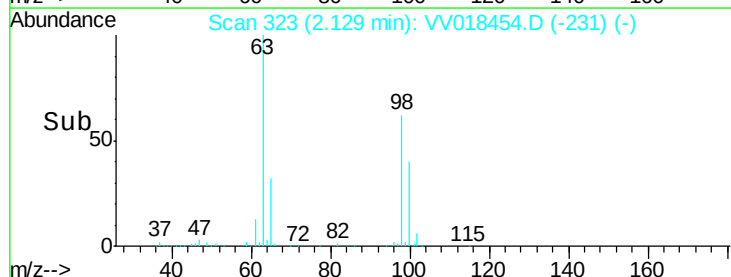
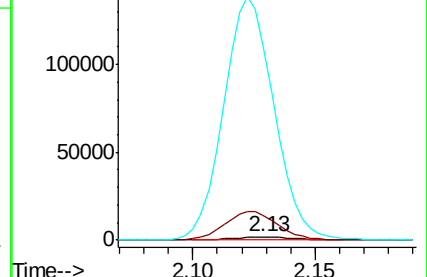
63 6421.8 91.9 170.7#

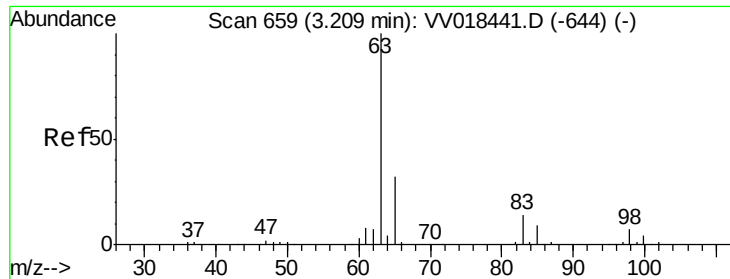


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

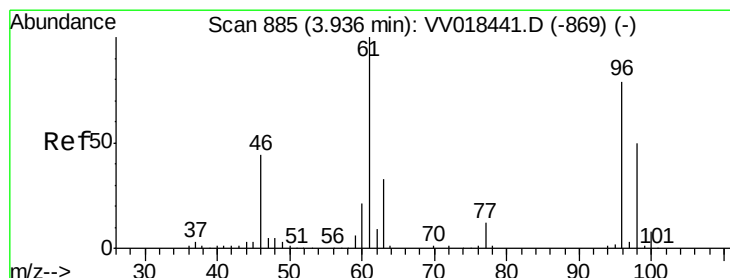
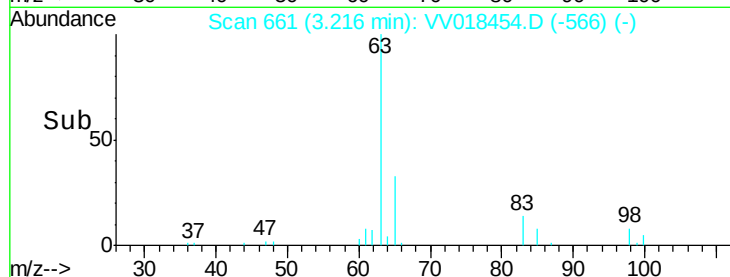
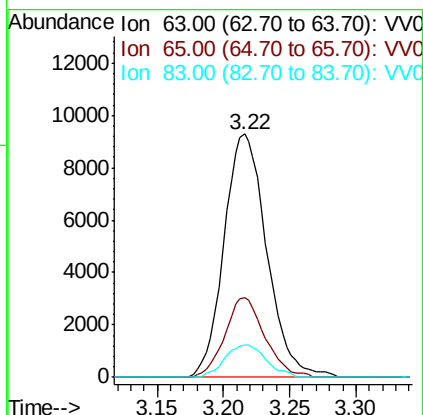
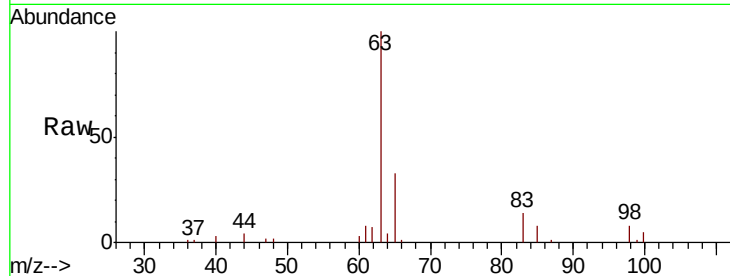




#19
 1,1-Dichloroethane
 Concen: 4.045 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV018454.D
 Acq: 25 Sep 2020 14:44

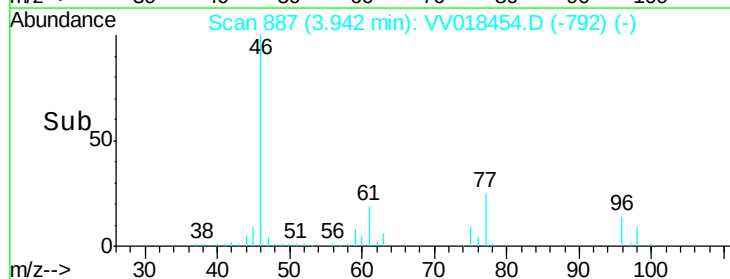
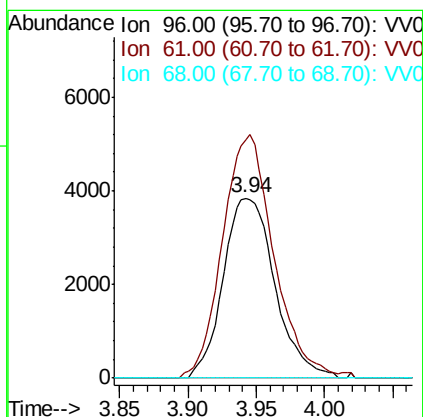
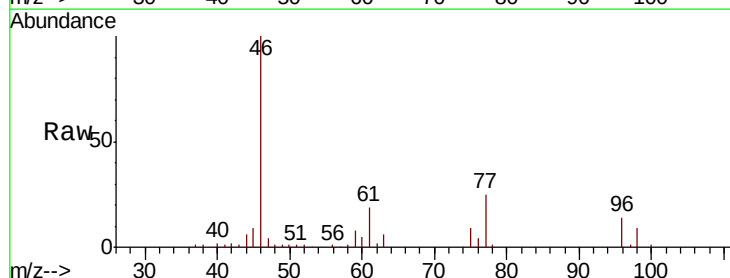
Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA0

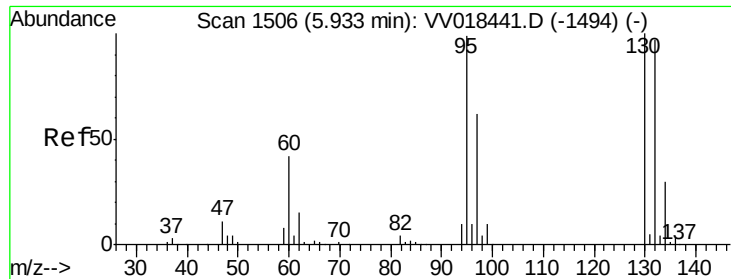
Tot Ion: 63 Resp: 20783
 Ion Ratio Lower Upper
 63 100
 65 32.8 22.5 41.7
 83 13.5 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 3.481 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV018454.D
 Acq: 25 Sep 2020 14:44

Tgt Ion: 96 Resp: 10113
 Ion Ratio Lower Upper
 96 100
 61 133.0 93.6 173.8
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 81.571 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV018454.D

Acq: 25 Sep 2020 14:44

Instrument :

MSVOA_V

ClientSampleId :

E0AA0

Tot Ion: 95 Resp: 243481

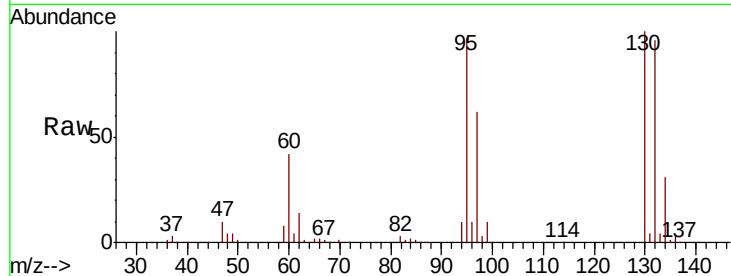
Ion Ratio Lower Upper

95 100

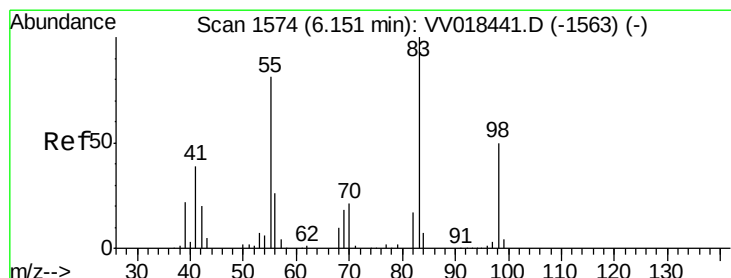
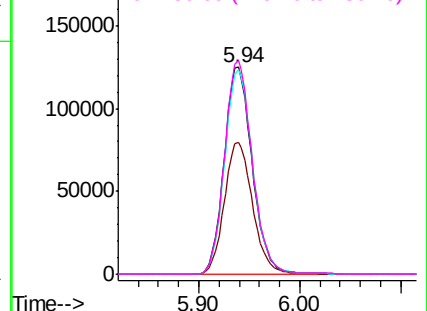
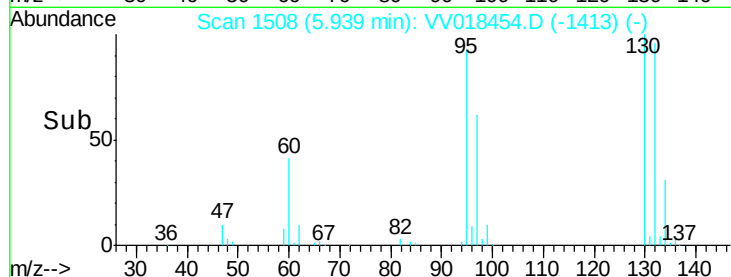
97 63.9 46.3 85.9

132 98.8 68.1 126.5

130 103.1 71.5 132.9



Abundance Ion 95.00 (94.70 to 95.70): VV018454.D (-1413) (-)



#35

Methylcyclohexane

Concen: 8.683 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018454.D

Acq: 25 Sep 2020 14:44

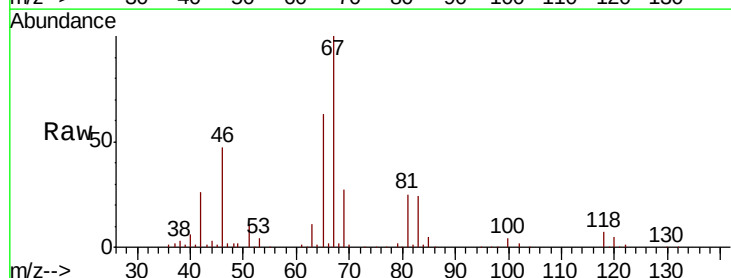
Tgt Ion: 83 Resp: 39024

Ion Ratio Lower Upper

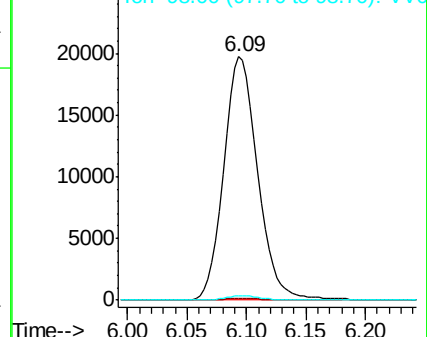
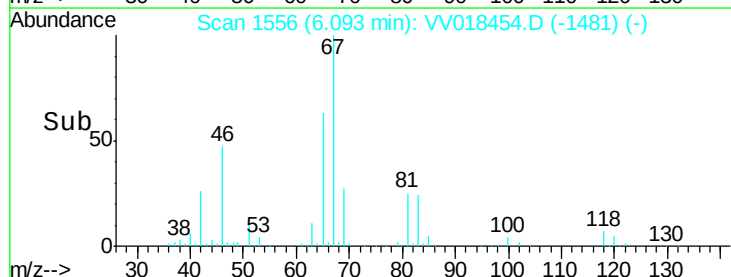
83 100

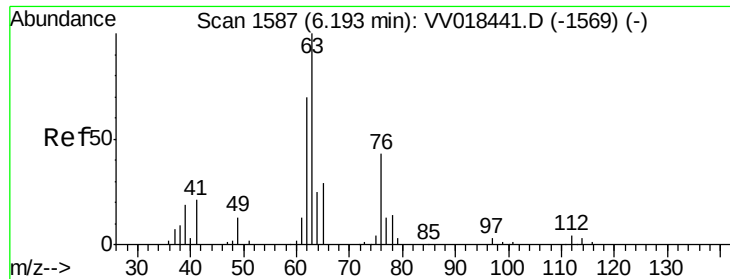
55 0.5 63.4 95.2#

98 1.6 38.8 58.2#



Abundance Ion 83.00 (82.70 to 83.70): VV018454.D (-1481) (-)

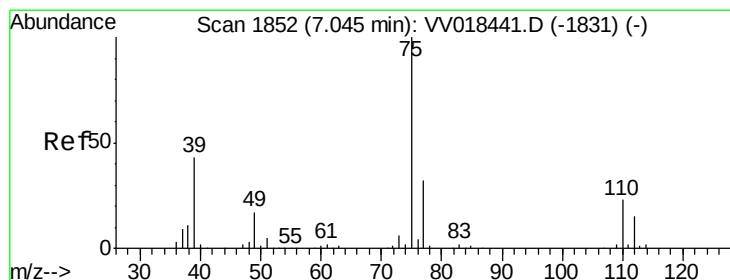
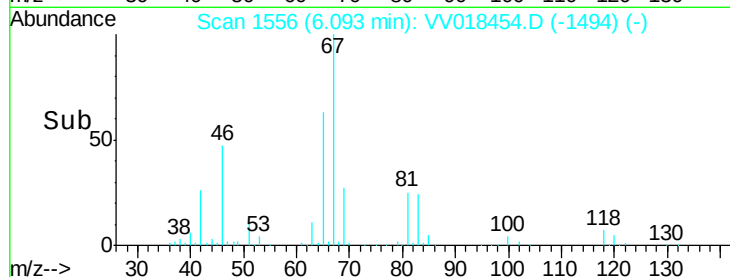
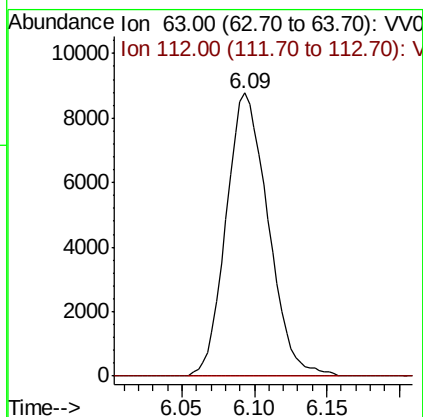
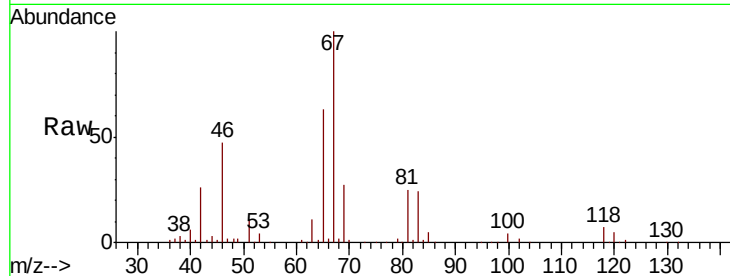




#37
 1,2-Dichloropropane
 Concen: 6.085 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV018454.D
 Acq: 25 Sep 2020 14:44

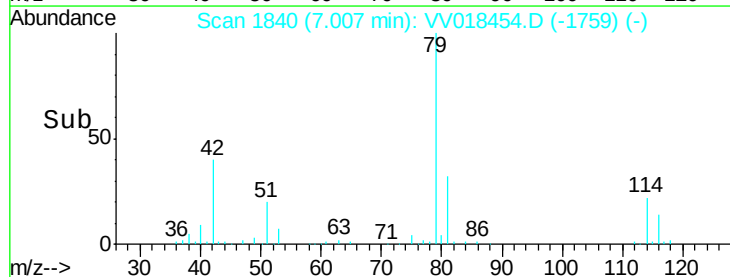
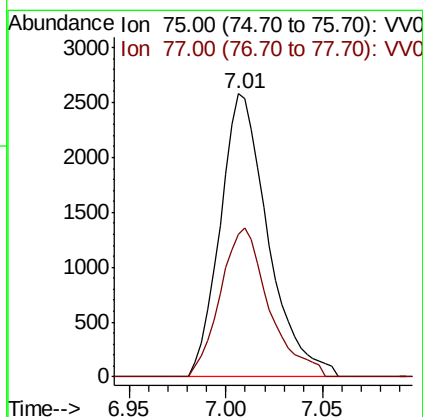
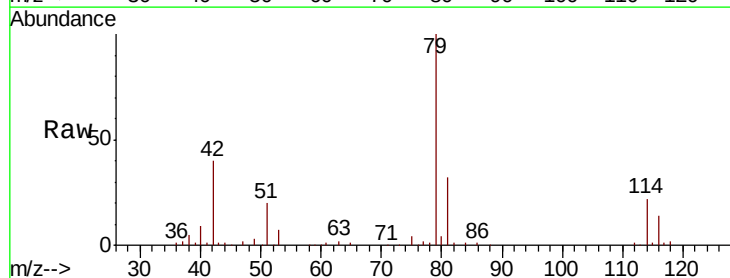
Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA0

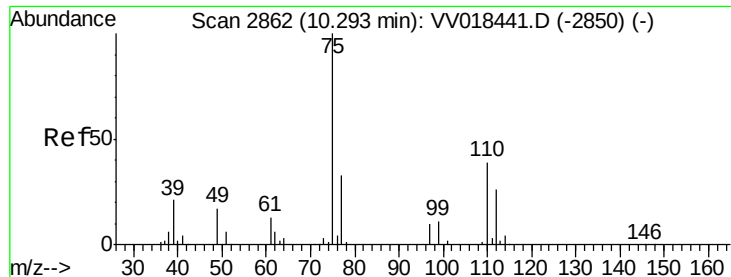
Tot Ion: 63 Resp: 17667
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.991 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018454.D
 Acq: 25 Sep 2020 14:44

Tgt Ion: 75 Resp: 4434
 Ion Ratio Lower Upper
 75 100
 77 50.4 22.3 41.3#





#59

1,2,3-Trichloropropane

Concen: 6.461 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018454.D

Acq: 25 Sep 2020 14:44

Instrument :

MSVOA_V

ClientSampleId :

E0AA0

Tot Ion: 75 Resp: 22066

Ion Ratio Lower Upper

75 100

77 36.9 25.8 38.6

