

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080620\
 Data File : VV017811.D
 Acq On : 06 Aug 2020 14:03
 Operator : SY/MD
 Sample : L3590-05
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L46

Quant Time: Aug 07 05:30:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 07 05:27:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	223579	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	212363	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	117249	50.00	ug/L	0.00

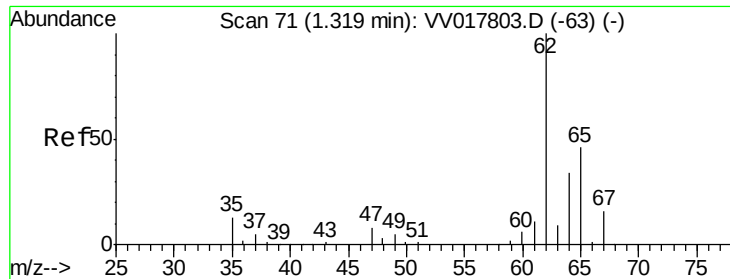
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	41123	37.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.44%
7) Chloroethane-d5	1.58	69	39388	42.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.62%
11) 1,1-Dichloroethene-d2	2.12	63	82873	31.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.26%
21) 2-Butanone-d5	3.91	46	73249	89.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.35%
24) Chloroform-d	4.38	84	134638	45.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.38%
26) 1,2-Dichloroethane-d4	5.06	65	103640	47.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.24%
32) Benzene-d6	5.08	84	221559	44.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.10	67	59643	42.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.96%
41) Toluene-d8	7.34	98	225774	45.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.66%
43) trans-1,3-Dichloropropene-	7.64	79	41299	45.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.06%
47) 2-Hexanone-d5	8.11	63	58194	97.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.57%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	90558	43.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.44%
64) 1,2-Dichlorobenzene-d4	11.65	152	113679	49.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.78%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	7435	4.688	ug/L	86
8) Chloroethane	1.32	64	3312	3.450	ug/L	87
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	942	0.654	ug/L #	17
20) cis-1,2-Dichloroethene	3.94	96	90745	55.993	ug/L	96
34) Trichloroethene	5.94	95	22124	13.515	ug/L	97
35) Methylcyclohexane	6.09	83	19612	8.167	ug/L #	19
37) 1,2-Dichloropropane	6.10	63	9398	7.119	ug/L #	83
39) cis-1,3-Dichloropropene	7.01	75	3261	1.345	ug/L	98
44) trans-1,3-Dichloropropene	7.64	75	2389	0.960	ug/L	87
46) Tetrachloroethene	8.00	164	26432	18.224	ug/L	97
59) 1,2,3-Trichloropropane	11.27	75	10542	5.487	ug/L #	78

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



#5

Vinyl chloride

Concen: 4.688 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017811.D

Acq: 06 Aug 2020 14:03

Instrument :

MSVOA_V

ClientSampled :

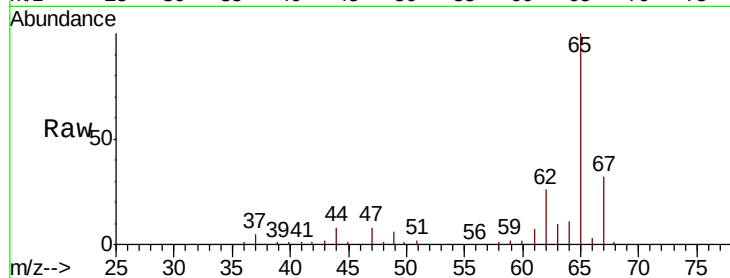
F2L46

Tot Ion: 62 Resp: 7435

Ion Ratio Lower Upper

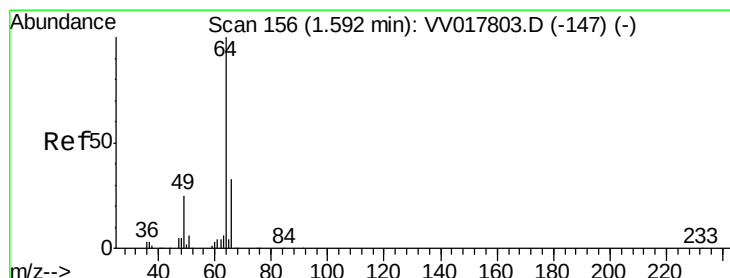
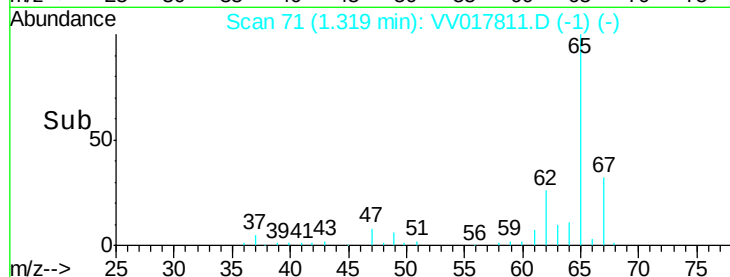
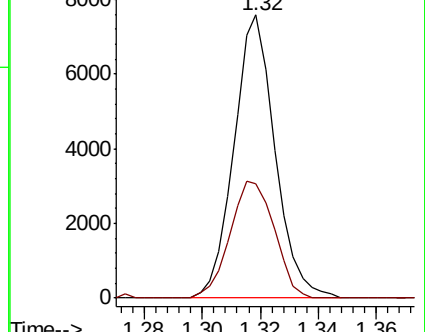
62 100

64 40.3 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 3.450 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.28 min

Lab File: VV017811.D

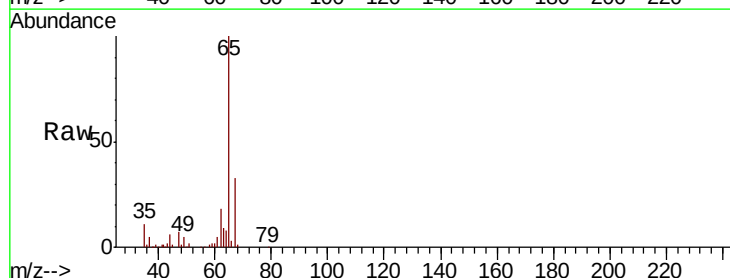
Acq: 06 Aug 2020 14:03

Tgt Ion: 64 Resp: 3312

Ion Ratio Lower Upper

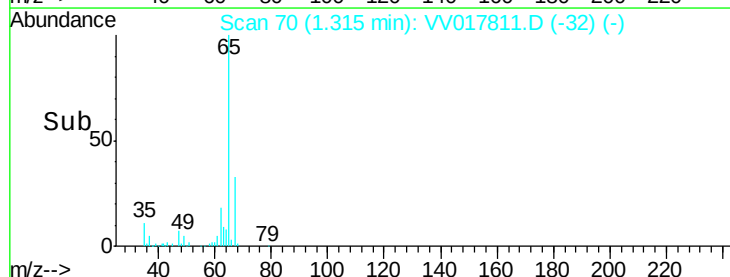
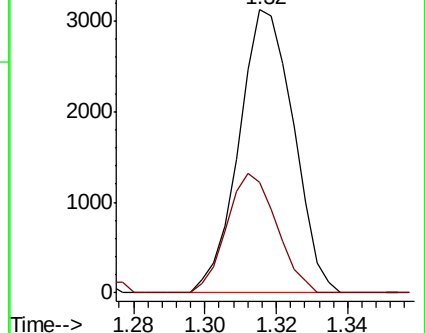
64 100

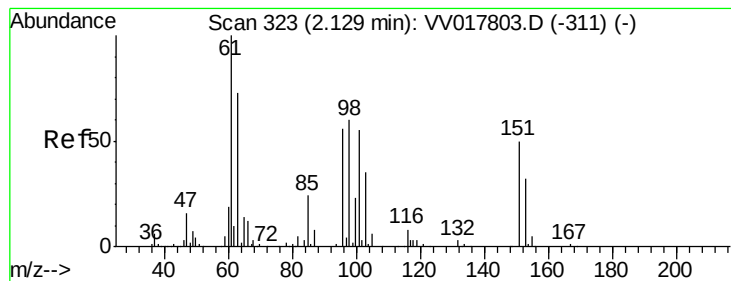
66 38.9 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#10

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

Concen: 0.654 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017811.D

Acq: 06 Aug 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

F2L46

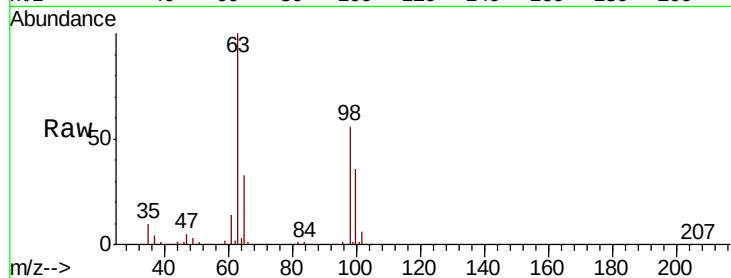
Tot Ion:101 Resp: 942

Ion Ratio Lower Upper

101 100

85 4.4 37.2 55.8#

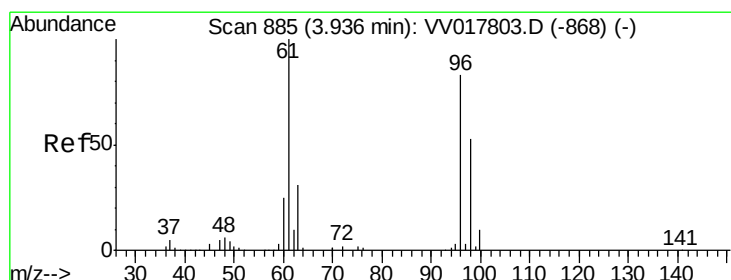
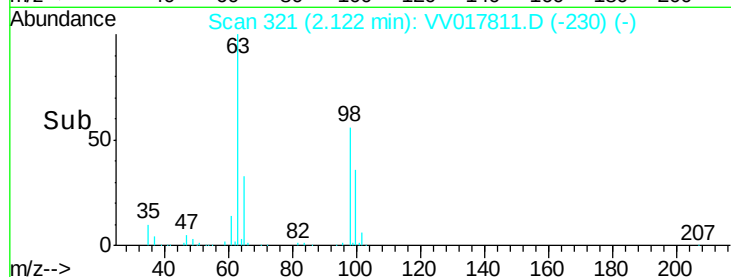
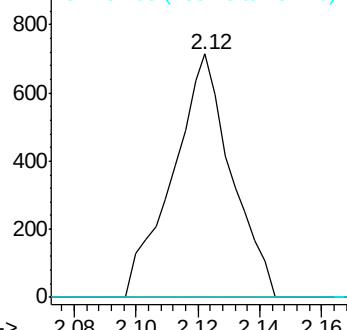
151 0.0 68.2 102.2#



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



#20

cis-1,2-Dichloroethene

Concen: 55.993 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017811.D

Acq: 06 Aug 2020 14:03

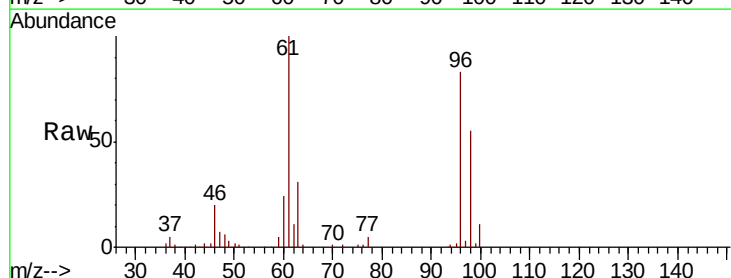
Tgt Ion: 96 Resp: 90745

Ion Ratio Lower Upper

96 100

61 119.8 87.3 162.1

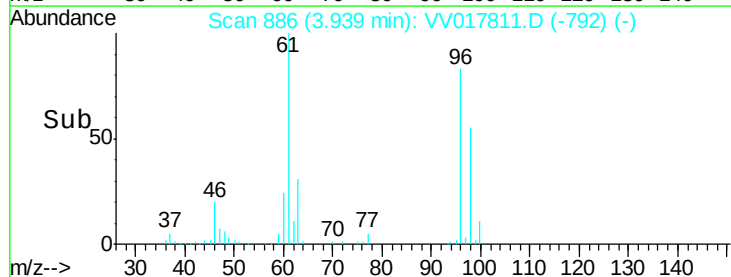
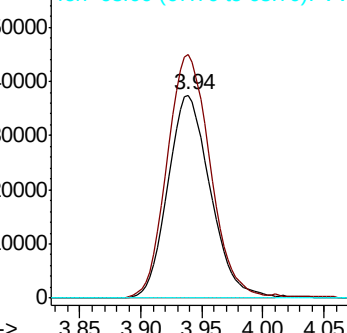
68 0.0 0.0 0.0

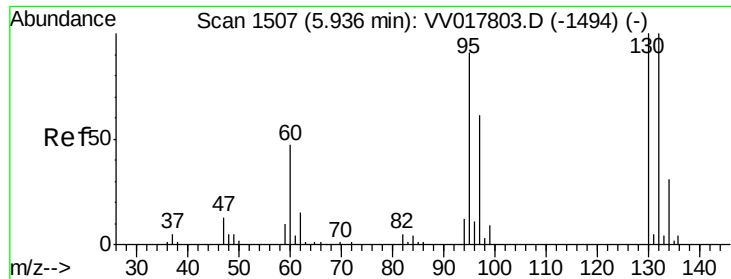


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#34

Trichloroethene

Concen: 13.515 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017811.D

Acq: 06 Aug 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

F2L46

Tot Ion: 95 Resp: 22124

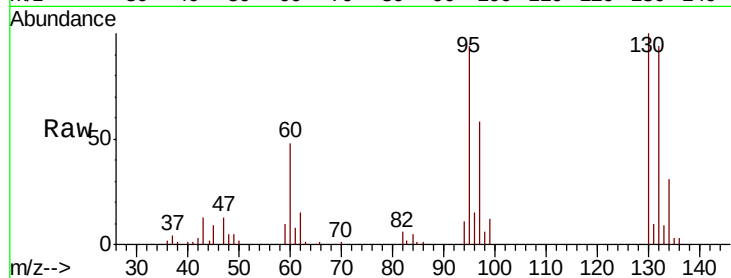
Ion Ratio Lower Upper

95 100

97 61.4 45.3 84.1

132 99.4 71.4 132.6

130 105.9 75.3 139.9

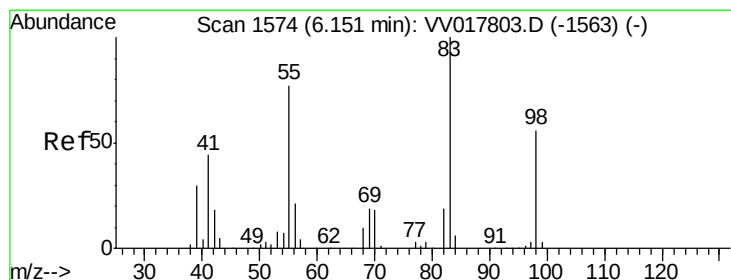
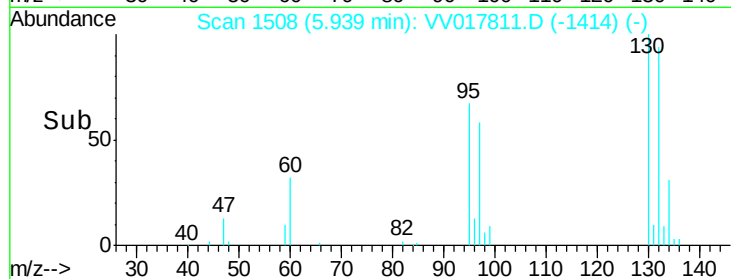
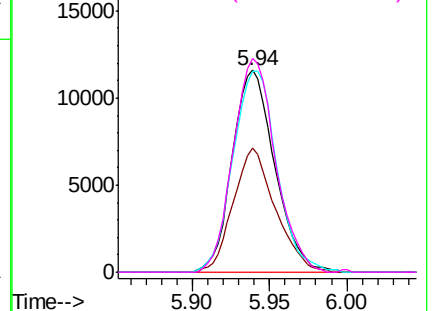


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 8.167 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV017811.D

Acq: 06 Aug 2020 14:03

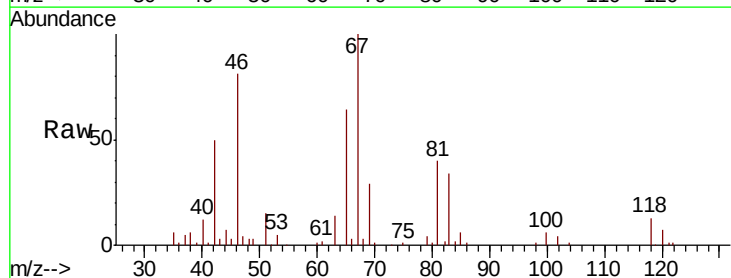
Tgt Ion: 83 Resp: 19612

Ion Ratio Lower Upper

83 100

55 0.0 59.4 89.2#

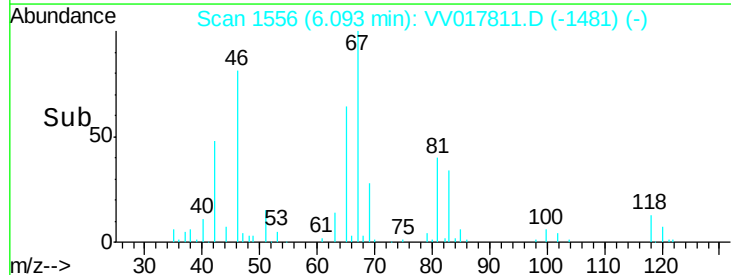
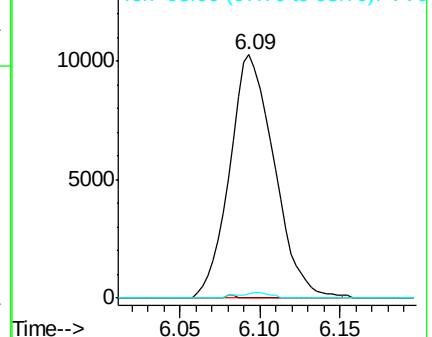
98 1.2 41.2 61.8#

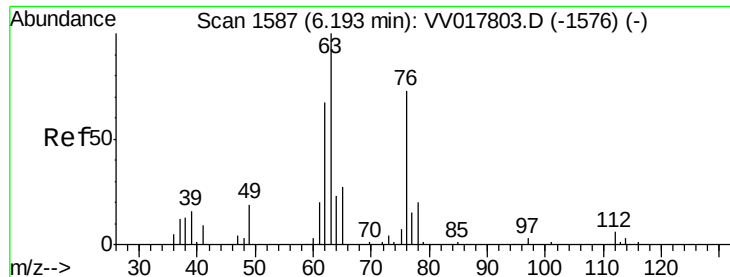


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

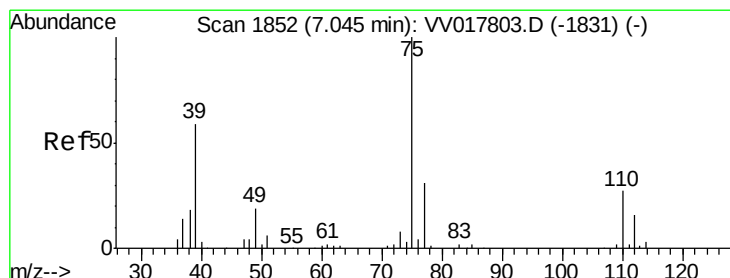
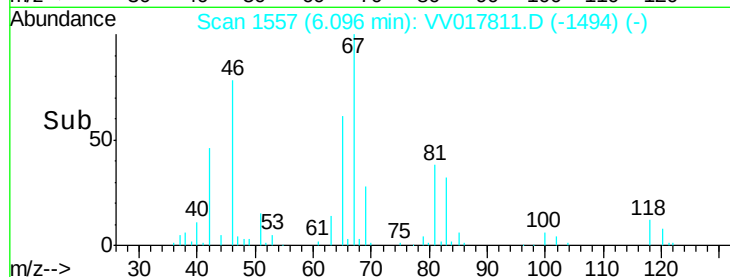
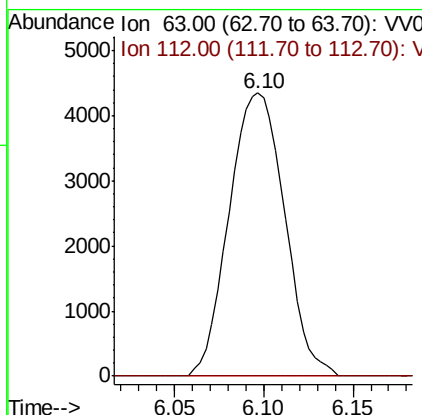
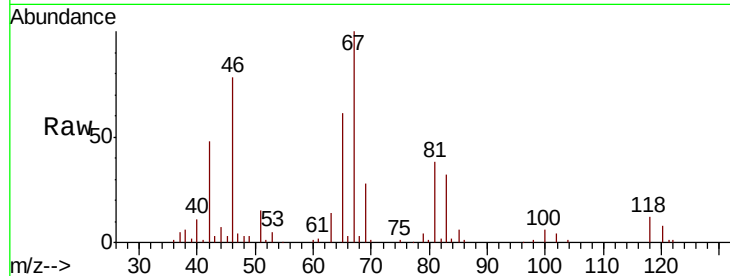




#37
 1,2-Dichloropropane
 Concen: 7.119 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV017811.D
 Acq: 06 Aug 2020 14:03

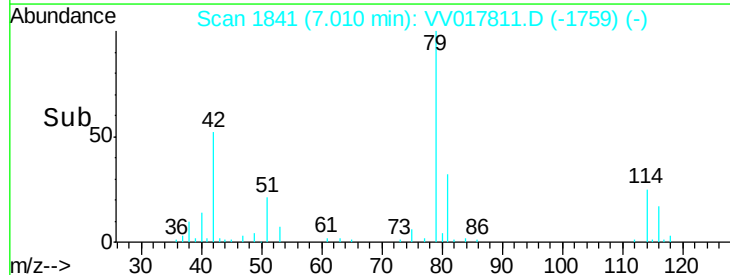
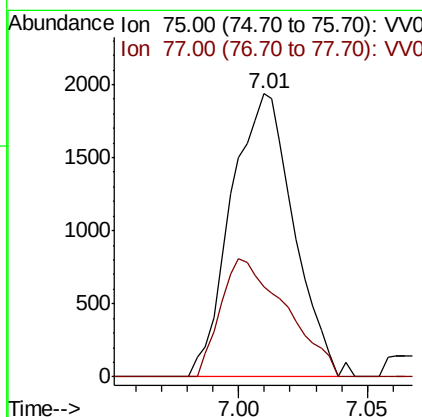
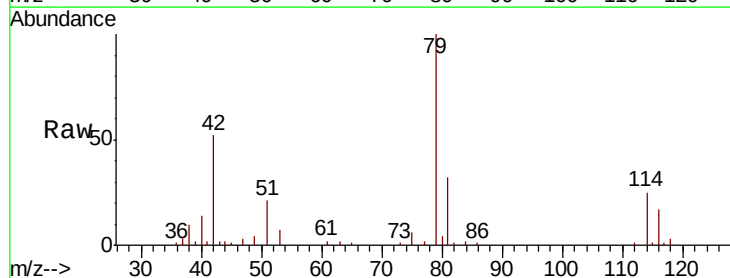
Instrument :
 MSVOA_V
 ClientSampleId :
 F2L46

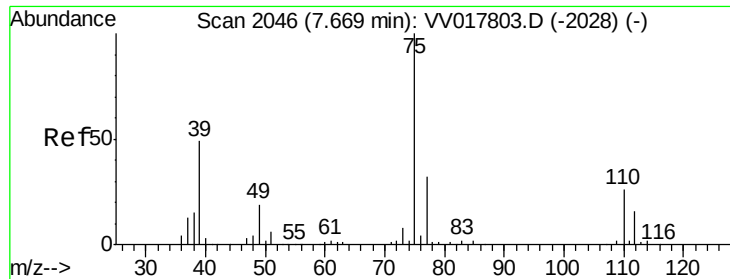
Tot Ion: 63 Resp: 9398
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.6 6.8#



#39
 cis-1,3-Dichloropropene
 Concen: 1.345 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017811.D
 Acq: 06 Aug 2020 14:03

Tgt Ion: 75 Resp: 3261
 Ion Ratio Lower Upper
 75 100
 77 31.8 23.2 43.0





#44

trans-1,3-Dichloropropene

Concen: 0.960 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017811.D

Acq: 06 Aug 2020 14:03

Instrument :

MSVOA_V

ClientSampled :

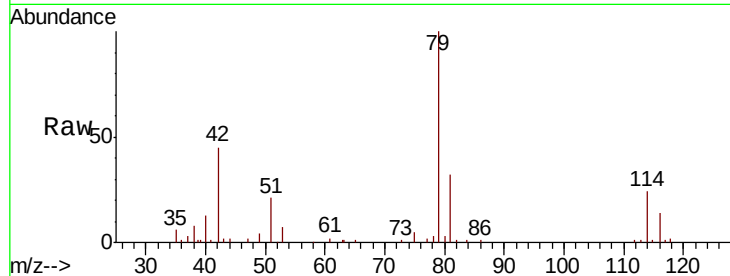
F2L46

Tot Ion: 75 Resp: 2389

Ion Ratio Lower Upper

75 100

77 38.6 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV017803.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV017803.D (-2028) (-)

7.64

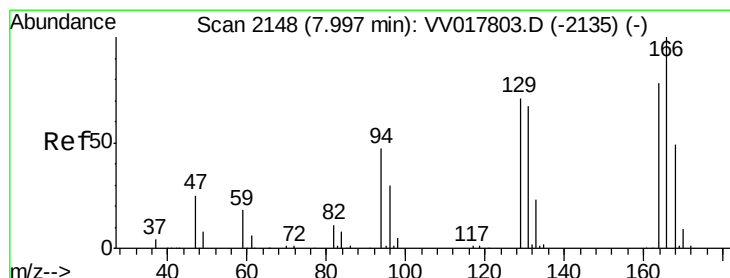
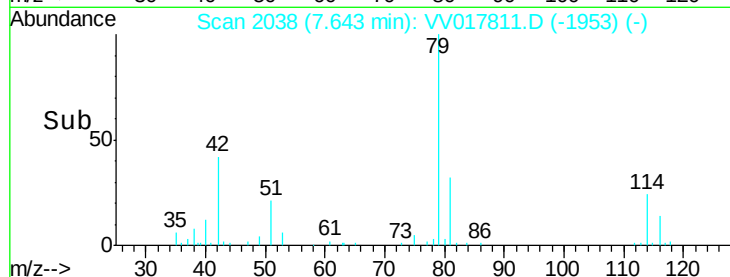
1500

1000

500

0

Time-->



#46

Tetrachloroethene

Concen: 18.224 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV017811.D

Acq: 06 Aug 2020 14:03

Tgt Ion: 164 Resp: 26432

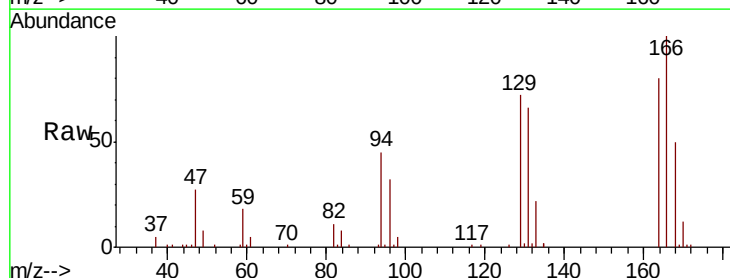
Ion Ratio Lower Upper

164 100

129 90.7 63.9 118.7

131 82.8 62.6 116.3

166 125.3 88.3 164.1



Abundance Ion 164.00 (163.70 to 164.70): VV017803.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV017803.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV017803.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV017803.D (-2135) (-)

30000

25000

20000

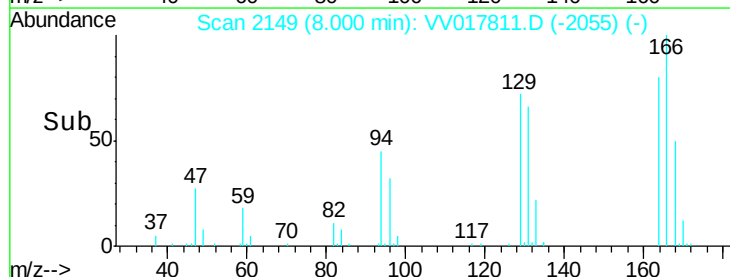
15000

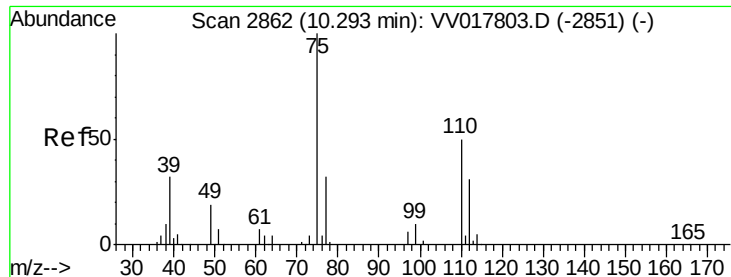
10000

5000

0

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.487 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017811.D

Acq: 06 Aug 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

F2L46

Tot Ion: 75 Resp: 10542

Ion Ratio Lower Upper

75 100

77 43.4 25.1 37.7#

