

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080620\
 Data File : VV017813.D
 Acq On : 06 Aug 2020 14:50
 Operator : SY/MD
 Sample : L3590-07
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L52

Quant Time: Aug 07 05:30:50 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	218790	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	213488	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	117384	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	41514	38.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.82%
7) Chloroethane-d5	1.58	69	38817	42.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.22%
11) 1,1-Dichloroethene-d2	2.12	63	78766	30.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.44%
21) 2-Butanone-d5	3.91	46	82267	102.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.54%
24) Chloroform-d	4.38	84	127697	43.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.06	65	102339	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
32) Benzene-d6	5.07	84	214399	42.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.90%
36) 1,2-Dichloropropane-d6	6.09	67	55921	40.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.18%
41) Toluene-d8	7.34	98	214791	43.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.74%
43) trans-1,3-Dichloropropene-	7.64	79	40312	43.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.46%
47) 2-Hexanone-d5	8.11	63	61161	102.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.01%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	89442	42.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.92%
64) 1,2-Dichlorobenzene-d4	11.65	152	114687	49.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.54%

Target Compounds

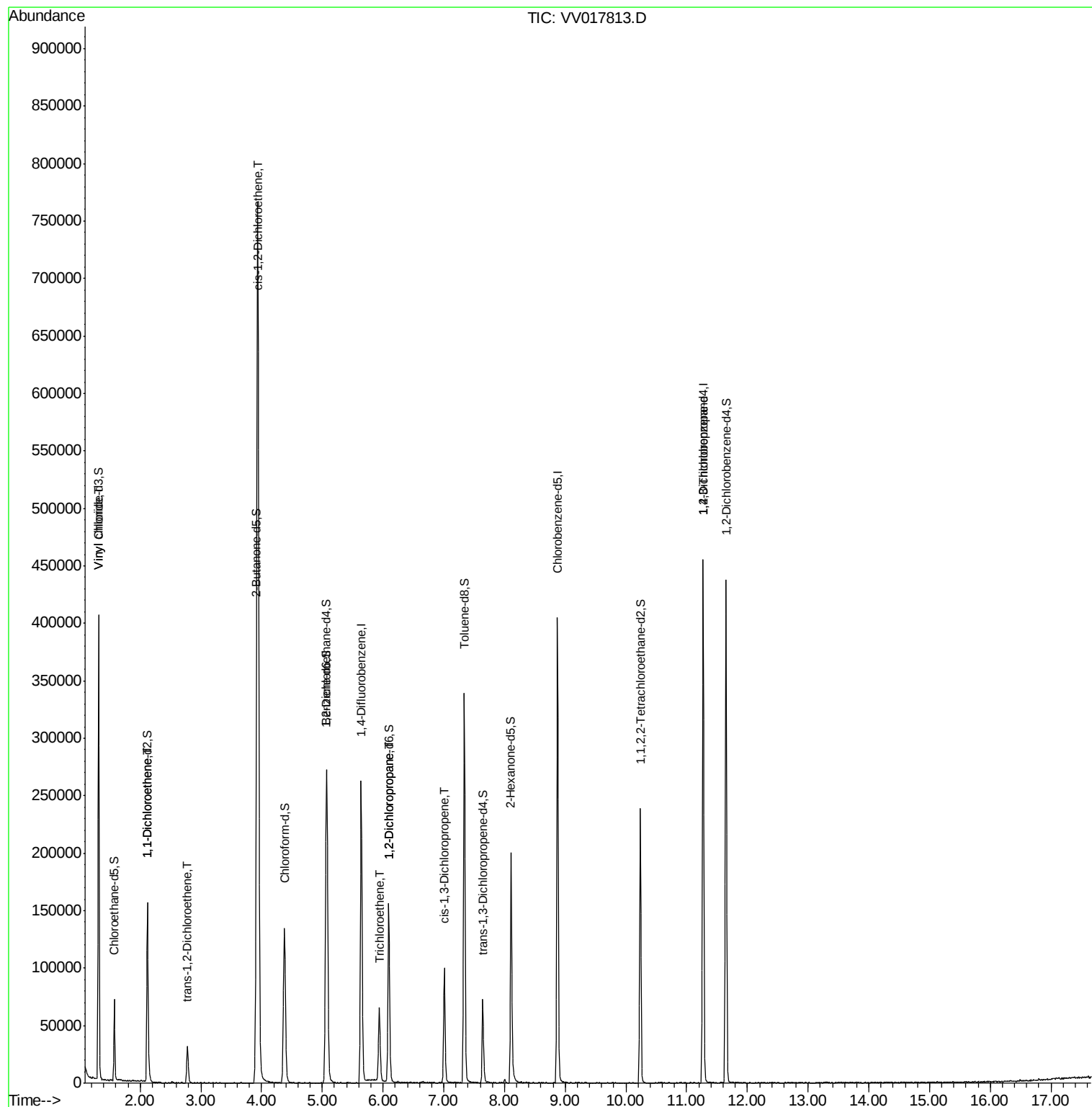
					Ovalue
5) Vinyl chloride	1.32	62	197912	127.512	ug/L 99
12) 1,1-Dichloroethene	2.13	96	1867	1.418	ug/L # 1
17) trans-1,2-Dichloroethene	2.78	96	11841	7.975	ug/L 89
20) cis-1,2-Dichloroethene	3.94	96	419405	264.450	ug/L 95
34) Trichloroethene	5.94	95	18880	11.472	ug/L 96
37) 1,2-Dichloropropane	6.10	63	9273	6.987	ug/L # 83
39) cis-1,3-Dichloropropene	7.00	75	3058	1.255	ug/L # 82
59) 1,2,3-Trichloropropane	11.27	75	10388	5.379	ug/L # 72

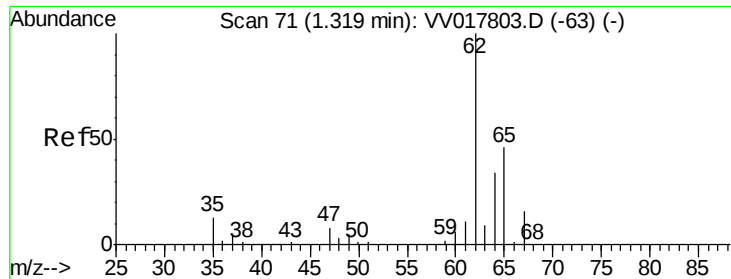
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 07 05:27:52 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 127.512 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017813.D

Acq: 06 Aug 2020 14:50

Instrument :

MSVOA_V

ClientSampled :

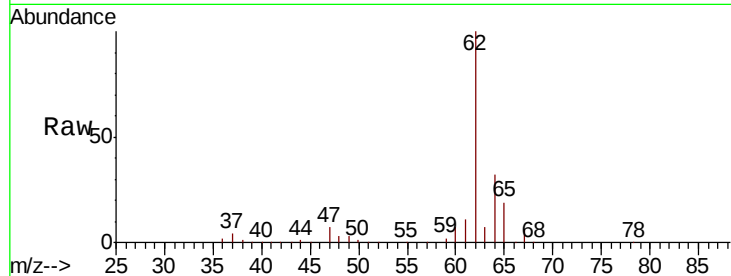
F2L52

Tot Ion: 62 Resp: 197912

Ion Ratio Lower Upper

62 100

64 32.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

200000

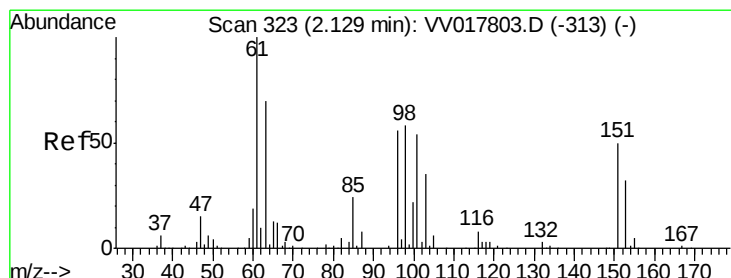
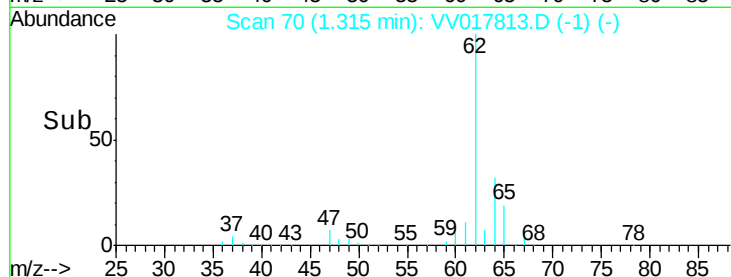
150000

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 1.418 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017813.D

Acq: 06 Aug 2020 14:50

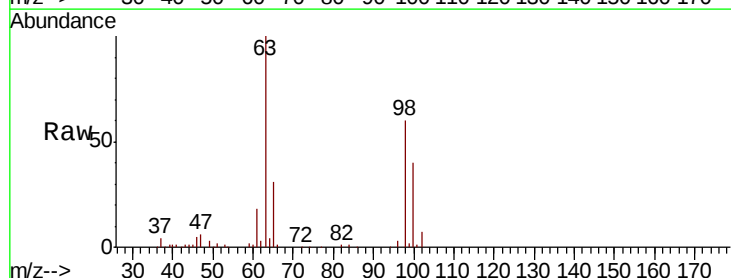
Tgt Ion: 96 Resp: 1867

Ion Ratio Lower Upper

96 100

61 549.9 131.0 243.2#

63 2972.8 88.5 164.3#



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

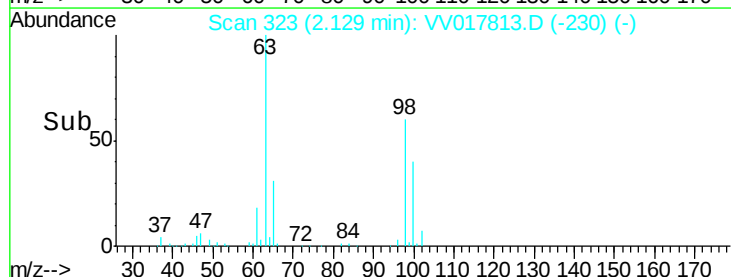
60000

40000

20000

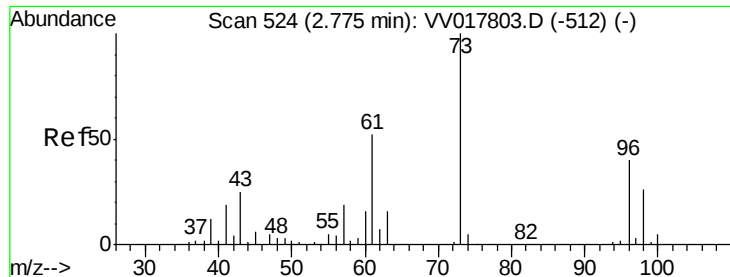
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Time-->



2.13

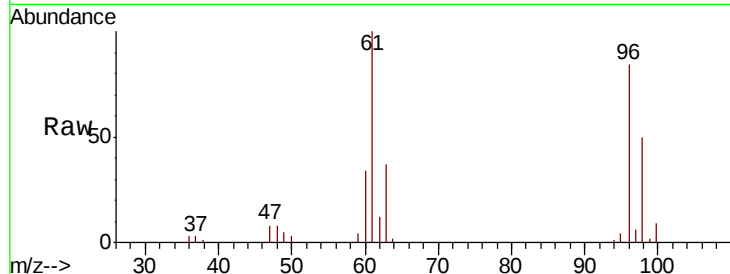
2.08 2.10 2.12 2.14 2.16



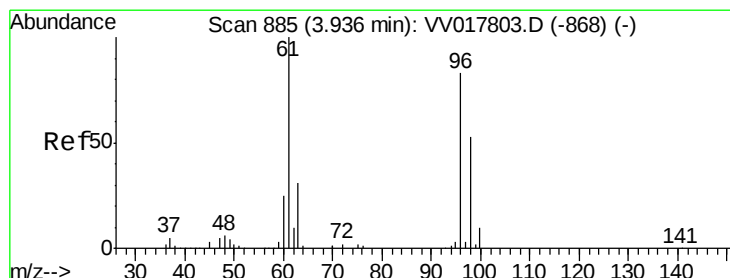
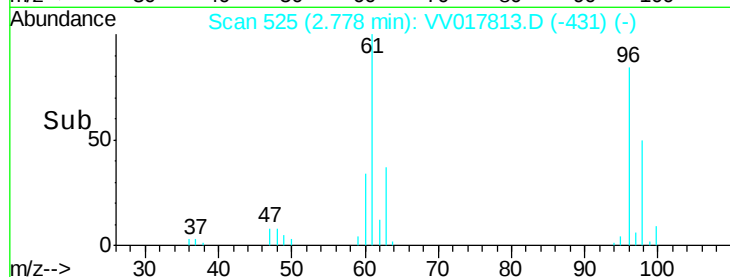
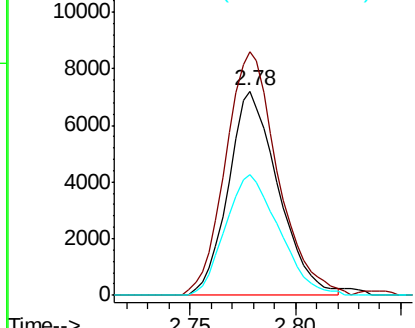
#17
trans-1,2-Dichloroethene
Concen: 7.975 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV017813.D
Acq: 06 Aug 2020 14:50

Instrument :
MSVOA_V
ClientSampleId :
F2L52

Tot Ion: 96 Resp: 11841
Ion Ratio Lower Upper
96 100
61 119.1 96.2 178.8
98 59.3 43.2 80.2

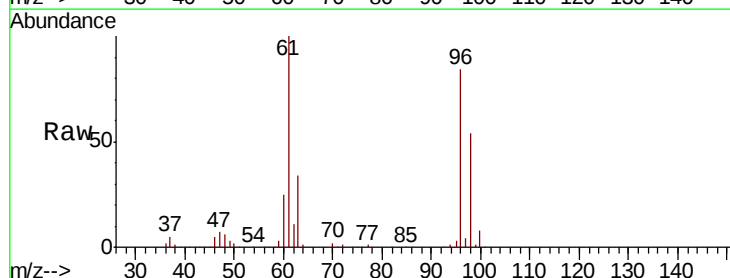


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

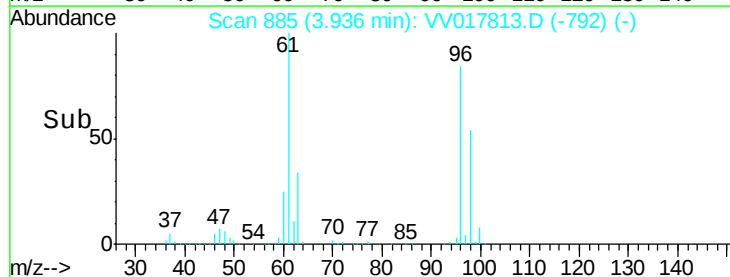
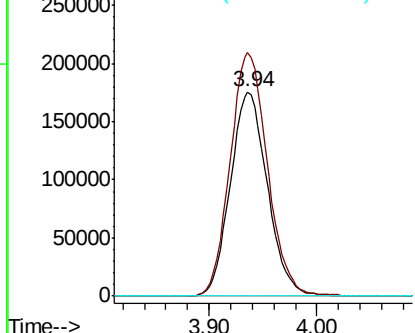


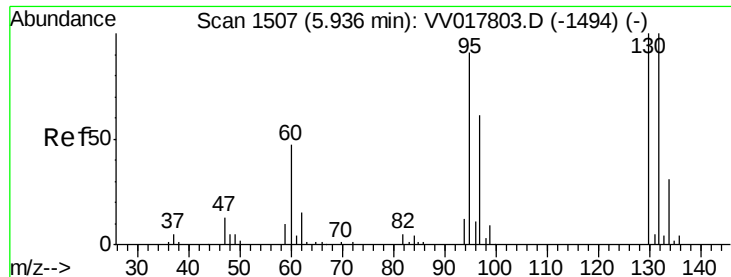
#20
cis-1,2-Dichloroethene
Concen: 264.450 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV017813.D
Acq: 06 Aug 2020 14:50

Tgt Ion: 96 Resp: 419405
Ion Ratio Lower Upper
96 100
61 119.2 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: 11.472 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV017813.D

Acq: 06 Aug 2020 14:50

Instrument :

MSVOA_V

ClientSampled :

F2L52

Tot Ion: 95 Resp: 18880

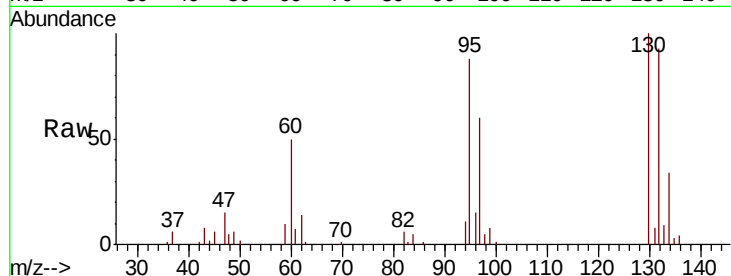
Ion Ratio Lower Upper

95 100

97 67.9 45.3 84.1

132 105.6 71.4 132.6

130 113.2 75.3 139.9

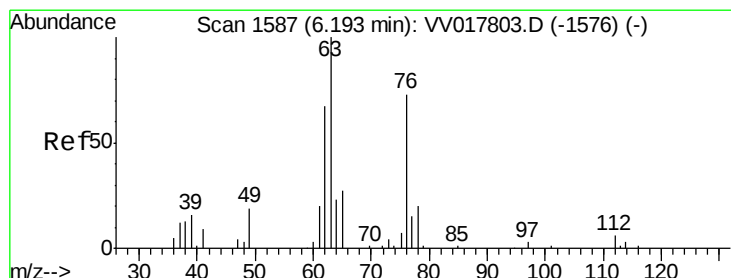
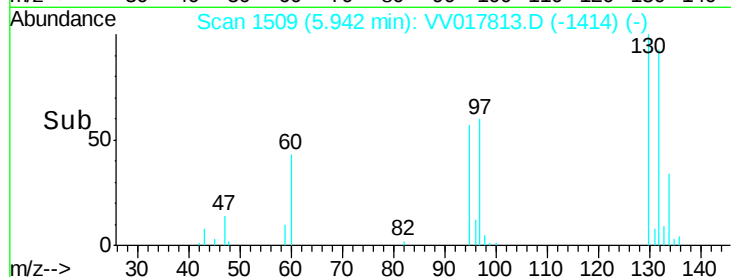
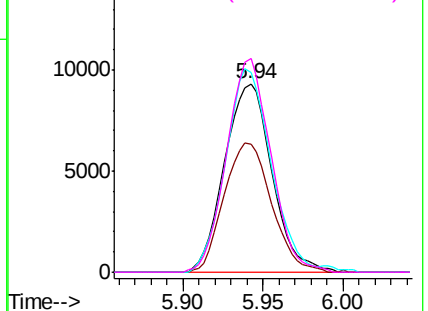


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 6.987 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV017813.D

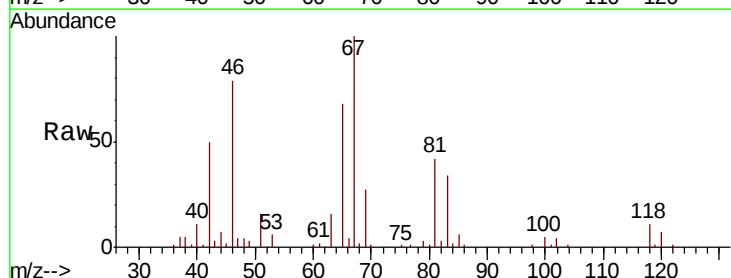
Acq: 06 Aug 2020 14:50

Tgt Ion: 63 Resp: 9273

Ion Ratio Lower Upper

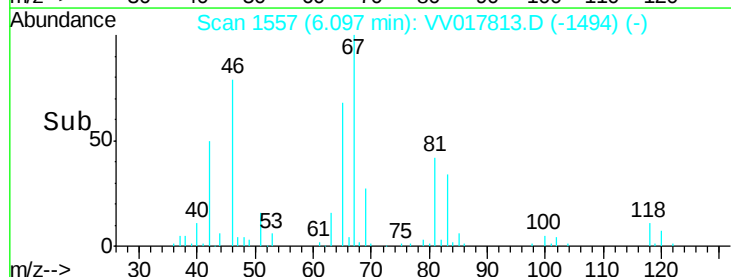
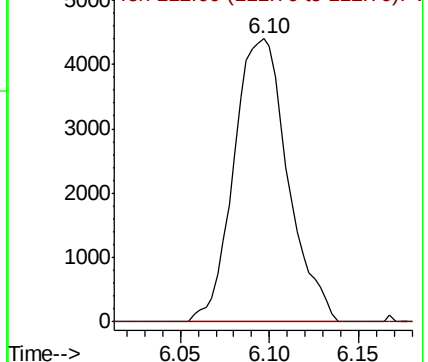
63 100

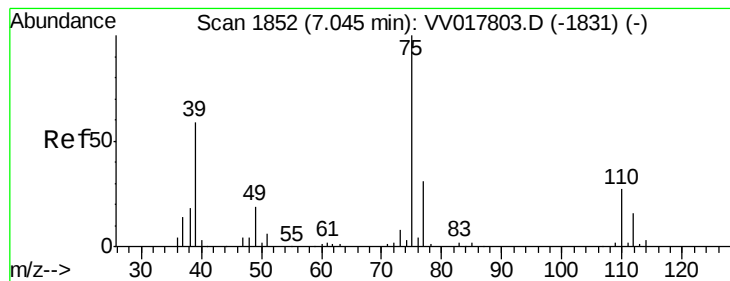
112 0.0 4.6 6.8#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



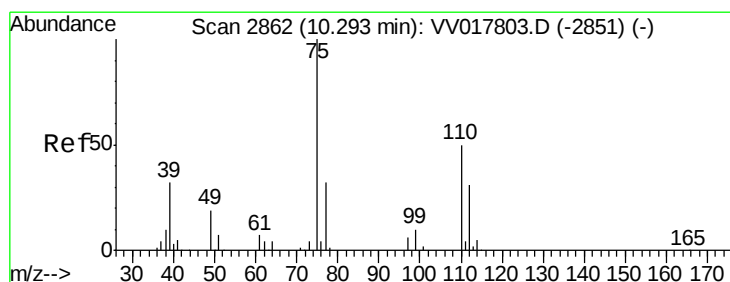
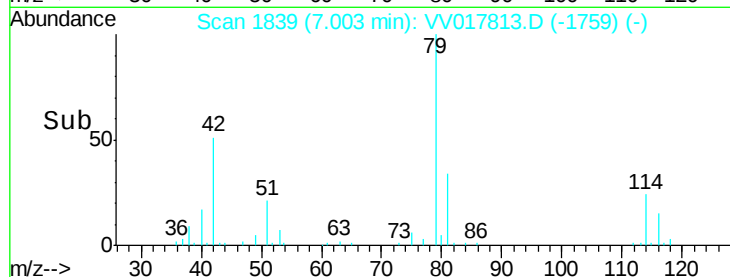
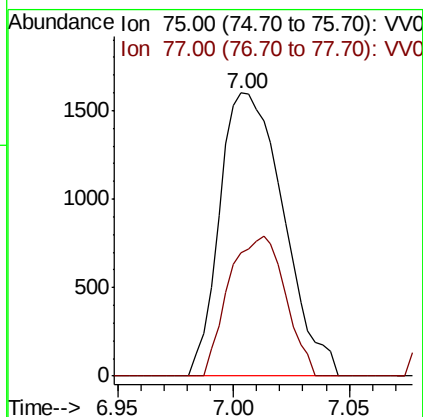
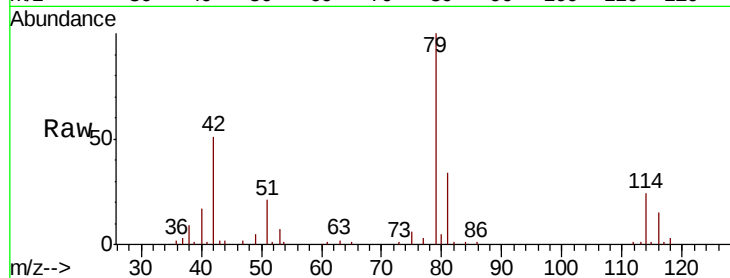


#39

cis-1,3-Dichloropropene
 Concen: 1.255 ug/L
 RT: 7.00 min Scan# 1839
 Delta R.T. -0.04 min
 Lab File: VV017813.D
 Acq: 06 Aug 2020 14:50

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L52

Tot Ion: 75 Resp: 3058
 Ion Ratio Lower Upper
 75 100
 77 43.5 23.2 43.0#



#59

1,2,3-Trichloropropane
 Concen: 5.379 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.98 min
 Lab File: VV017813.D
 Acq: 06 Aug 2020 14:50

Tgt Ion: 75 Resp: 10388
 Ion Ratio Lower Upper
 75 100
 77 46.8 25.1 37.7#

