

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081020\
 Data File : VV017906.D
 Acq On : 10 Aug 2020 19:13
 Operator : SY/MD
 Sample : L3608-13DL 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2M19DL

Quant Time: Aug 11 02:22:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 01:17:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	239970	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	227420	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	120361	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	47415	38.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.52%
7) Chloroethane-d5	1.58	69	43530	41.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.70%
11) 1,1-Dichloroethene-d2	2.12	63	87032	29.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.46%#
21) 2-Butanone-d5	3.91	46	74369	95.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.83%
24) Chloroform-d	4.38	84	140954	43.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.76%
26) 1,2-Dichloroethane-d4	5.06	65	108178	45.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.64%
32) Benzene-d6	5.07	84	233488	44.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.92%
36) 1,2-Dichloropropane-d6	6.09	67	61968	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.08%
41) Toluene-d8	7.34	98	227956	43.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.38%
43) trans-1,3-Dichloropropene-	7.64	79	39005	45.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.98%
47) 2-Hexanone-d5	8.11	63	45620	94.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.59%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	93967	45.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.54%
64) 1,2-Dichlorobenzene-d4	11.65	152	112746	45.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.90%

Target Compounds

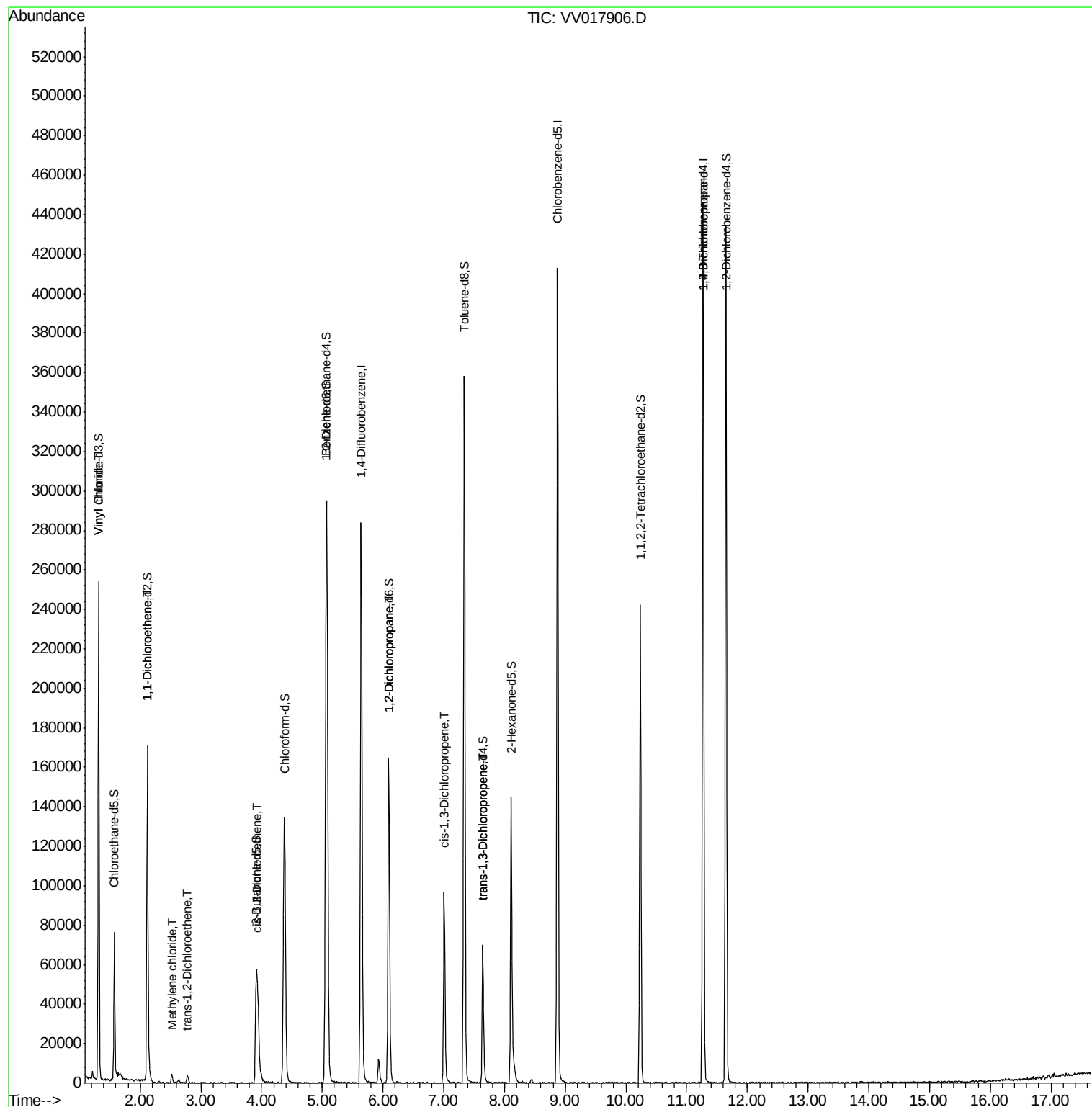
					Ovalue
5) Vinyl chloride	1.32	62	101095	72.102	ug/L 98
12) 1,1-Dichloroethene	2.12	96	1171	0.828	ug/L # 1
16) Methylene chloride	2.52	84	1644	1.106	ug/L 91
17) trans-1,2-Dichloroethene	2.78	96	1714	1.188	ug/L # 75
20) cis-1,2-Dichloroethene	3.94	96	13389	8.591	ug/L 96
37) 1,2-Dichloropropane	6.10	63	9559	8.127	ug/L # 79
39) cis-1,3-Dichloropropene	7.01	75	2757	1.363	ug/L # 73
44) trans-1,3-Dichloropropene	7.65	75	2009	0.945	ug/L 97
59) 1,2,3-Trichloropropane	11.27	75	10555	5.828	ug/L # 76

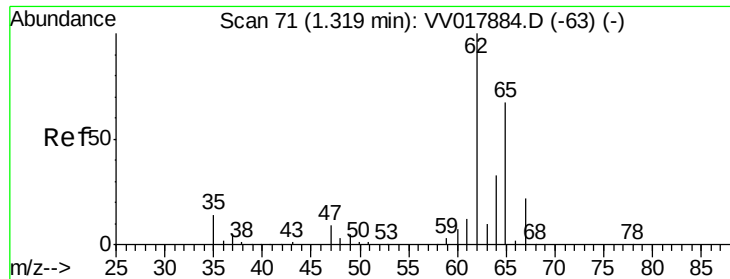
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Aug 11 01:17:50 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 72.102 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017906.D

Acq: 10 Aug 2020 19:13

Instrument :

MSVOA_V

ClientSampled :

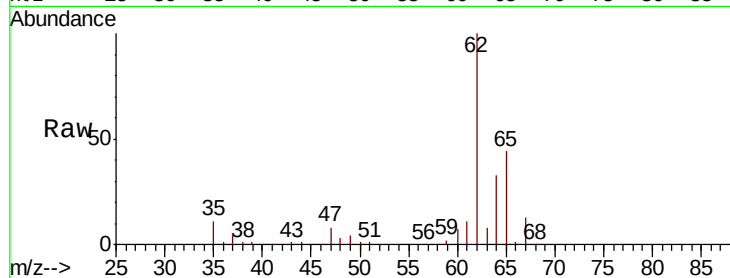
F2M19DL

Tot Ion: 62 Resp: 101095

Ion Ratio Lower Upper

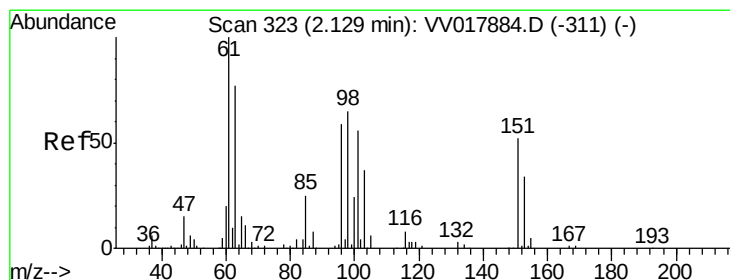
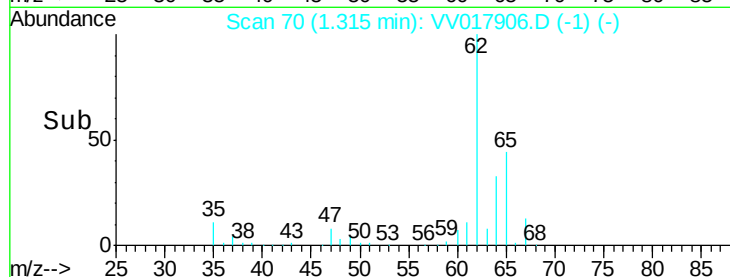
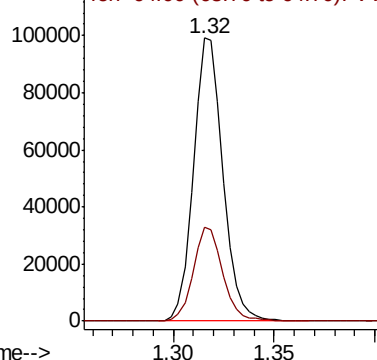
62 100

64 33.2 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#12

1,1-Dichloroethene

Concen: 0.828 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017906.D

Acq: 10 Aug 2020 19:13

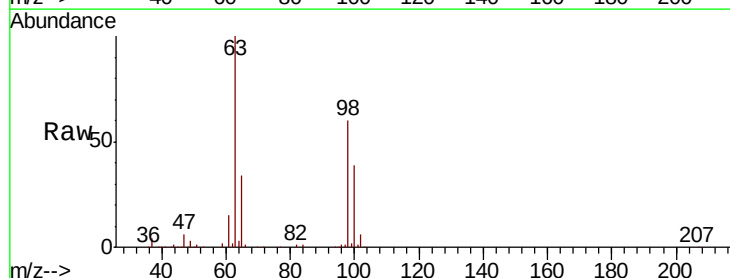
Tgt Ion: 96 Resp: 1171

Ion Ratio Lower Upper

96 100

61 1193.3 121.1 224.9#

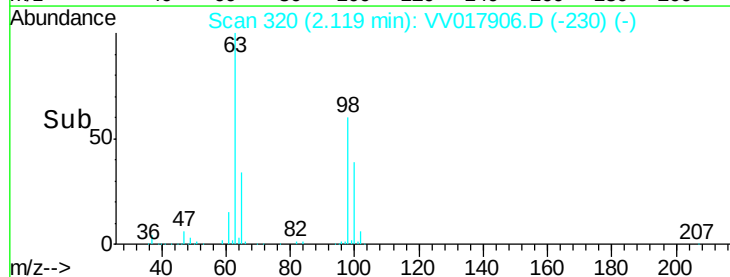
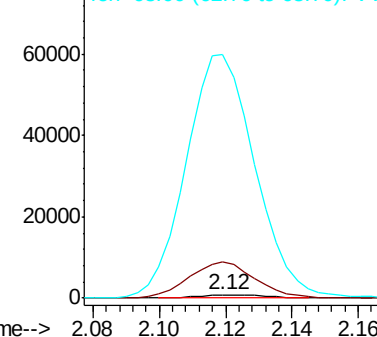
63 8027.9 98.1 182.1#

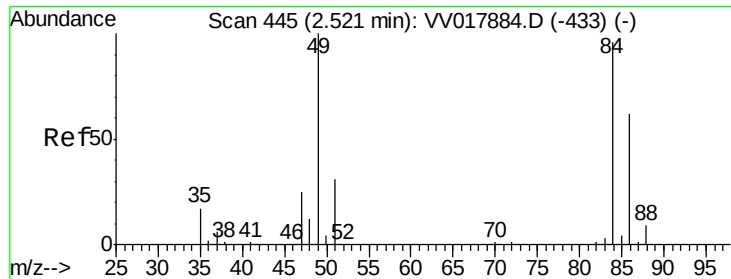


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

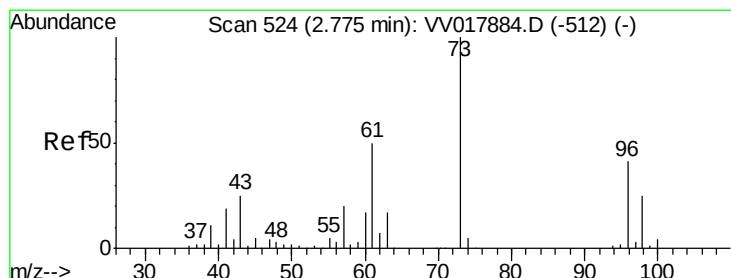
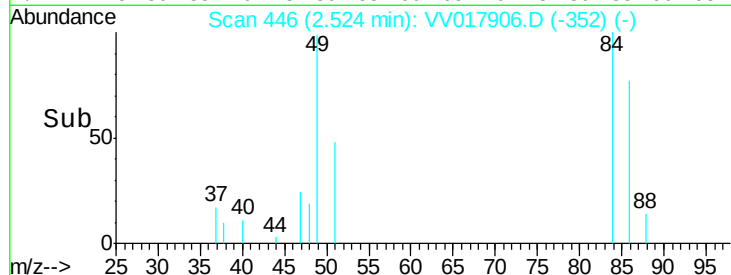
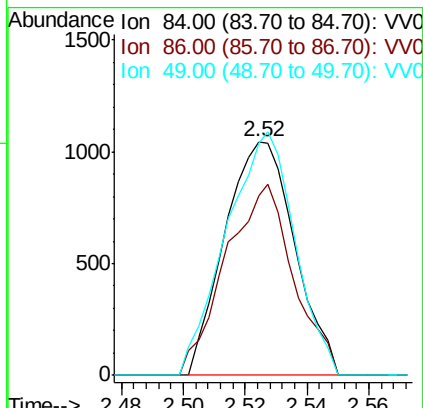
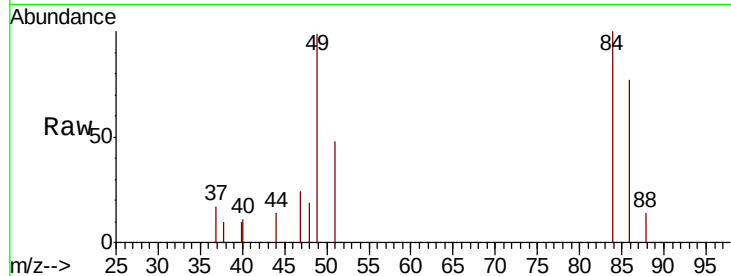




#16
Methylene chloride
Concen: 1.106 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017906.D
Acq: 10 Aug 2020 19:13

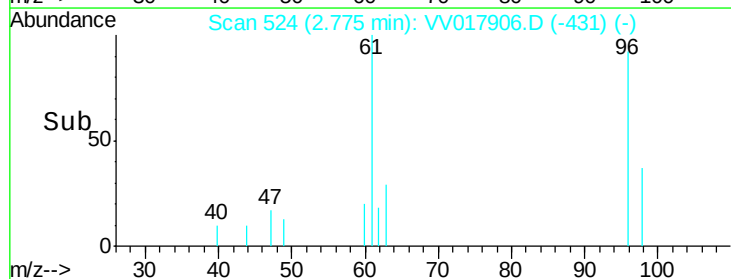
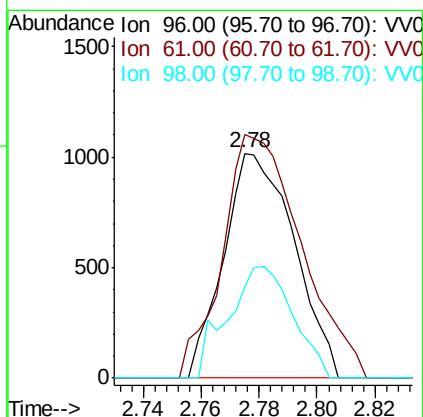
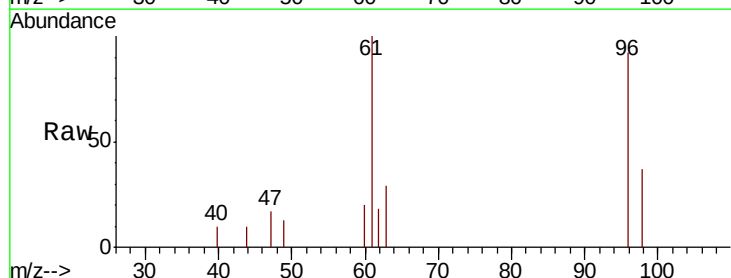
Instrument :
MSVOA_V
ClientSampled :
F2M19DL

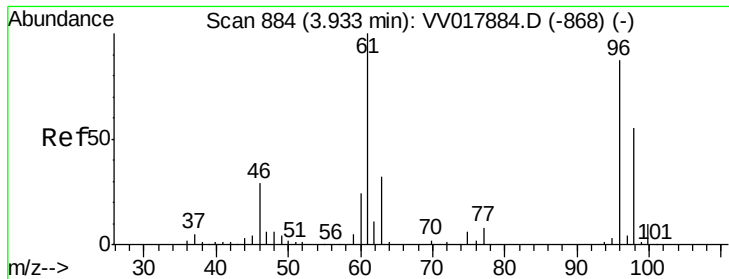
Tot Ion: 84 Resp: 1644
Ion Ratio Lower Upper
84 100
86 77.0 46.2 85.8
49 99.3 73.6 136.6



#17
trans-1,2-Dichloroethene
Concen: 1.188 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV017906.D
Acq: 10 Aug 2020 19:13

Tgt Ion: 96 Resp: 1714
Ion Ratio Lower Upper
96 100
61 108.3 92.4 171.6
98 40.5 47.5 88.1#





#20

cis-1,2-Dichloroethene

Concen: 8.591 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017906.D

Acq: 10 Aug 2020 19:13

Instrument :

MSVOA_V

ClientSampleId :

F2M19DL

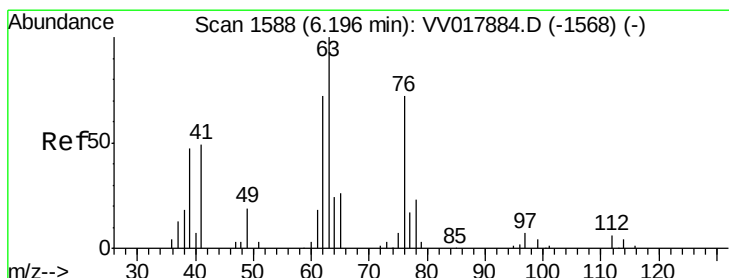
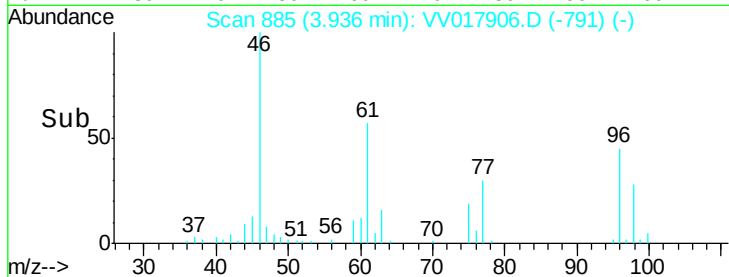
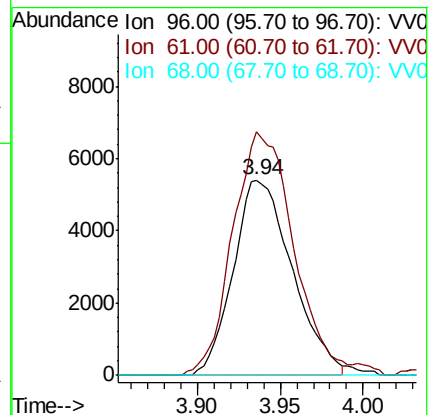
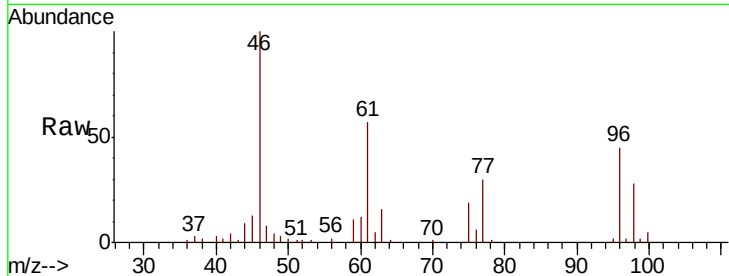
Tot Ion: 96 Resp: 13389

Ion Ratio Lower Upper

96 100

61 124.6 84.4 156.8

68 0.0 0.0 0.0



#37

1,2-Dichloropropane

Concen: 8.127 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV017906.D

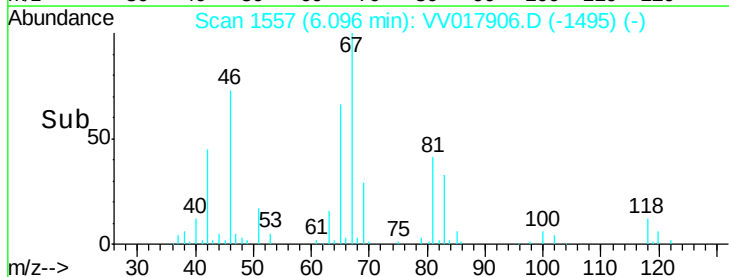
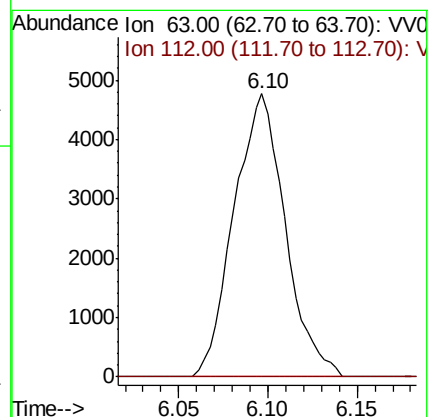
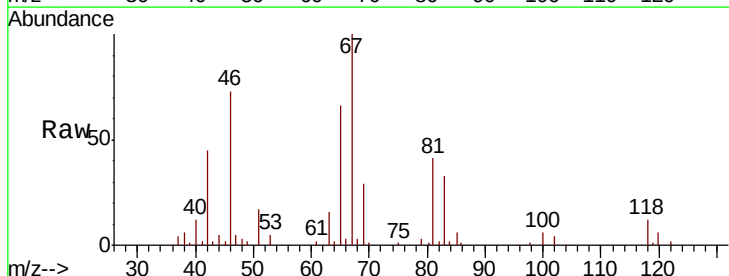
Acq: 10 Aug 2020 19:13

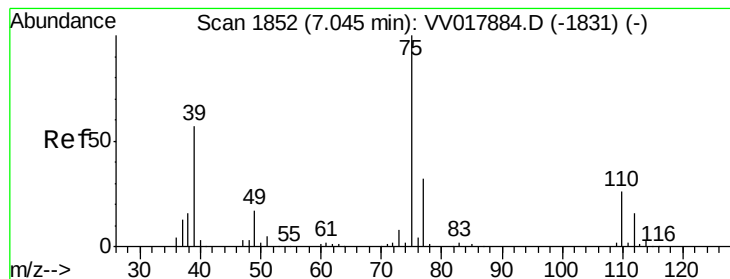
Tgt Ion: 63 Resp: 9559

Ion Ratio Lower Upper

63 100

112 0.0 5.8 8.6#





#39

cis-1,3-Dichloropropene

Concen: 1.363 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV017906.D

Acq: 10 Aug 2020 19:13

Instrument :

MSVOA_V

ClientSampleId :

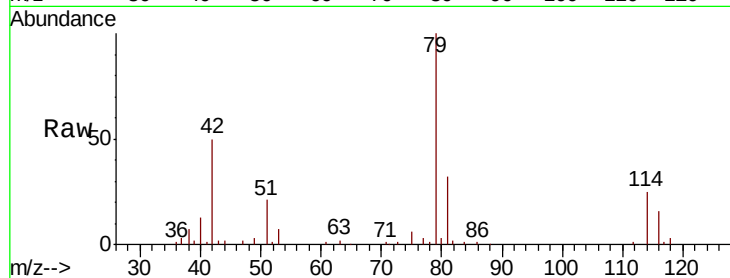
F2M19DL

Tot Ion: 75 Resp: 2757

Ion Ratio Lower Upper

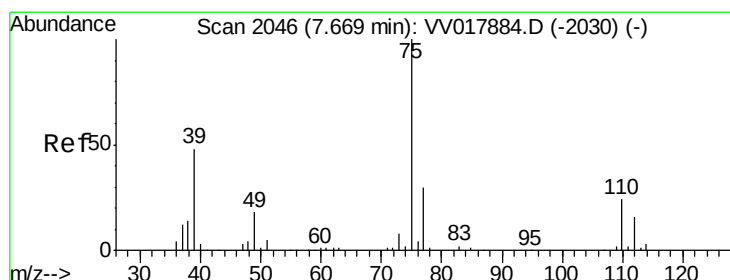
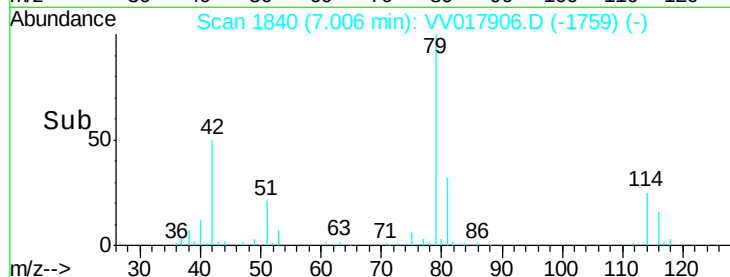
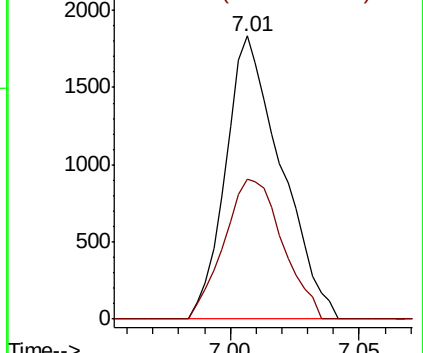
75 100

77 49.5 23.7 44.1#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.945 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.02 min

Lab File: VV017906.D

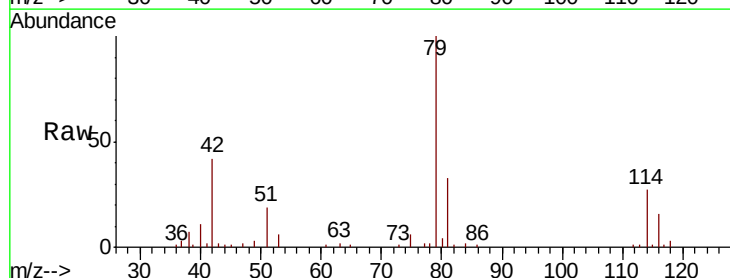
Acq: 10 Aug 2020 19:13

Tgt Ion: 75 Resp: 2009

Ion Ratio Lower Upper

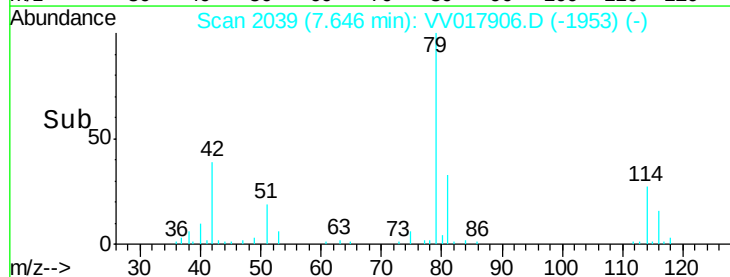
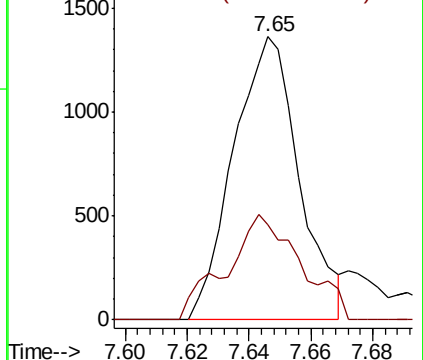
75 100

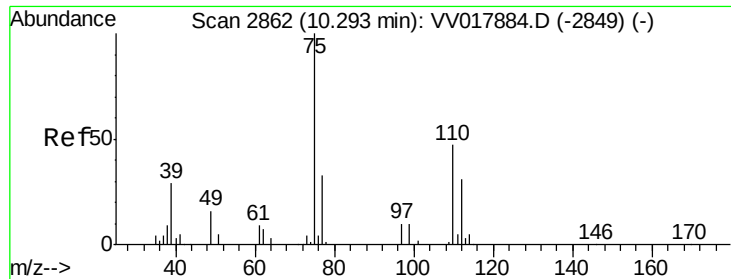
77 33.8 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#59

1,2,3-Trichloropropane

Concen: 5.828 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017906.D

Acq: 10 Aug 2020 19:13

Instrument :

MSVOA_V

ClientSampleId :

F2M19DL

Tot Ion: 75 Resp: 10555

Ion Ratio Lower Upper

75 100

77 46.4 26.4 39.6#

