

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072120\
 Data File : VV017571.D
 Acq On : 21 Jul 2020 18:09
 Operator : SY/MD
 Sample : L3336-14DL 20X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-9DDL

Quant Time: Jul 22 03:28:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 22 03:23:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	327673	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	310605	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	151390	50.00	ug/L	0.00

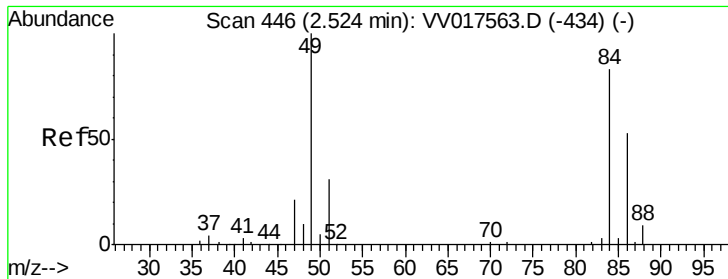
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69053	34.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.06%
7) Chloroethane-d5	1.58	69	54064	39.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.66%
11) 1,1-Dichloroethene-d2	2.12	63	113801	28.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.56%#
21) 2-Butanone-d5	3.91	46	134650	88.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.03%
24) Chloroform-d	4.38	84	183071	39.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.72%
26) 1,2-Dichloroethane-d4	5.06	65	134190	42.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.30%
32) Benzene-d6	5.07	84	341650	41.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.38%
36) 1,2-Dichloropropane-d6	6.09	67	105464	42.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.72%
41) Toluene-d8	7.34	98	313235	40.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.02%
43) trans-1,3-Dichloropropene-	7.64	79	51367	35.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.28%
47) 2-Hexanone-d5	8.11	63	100813	88.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.32%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	153412	43.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.62%
64) 1,2-Dichlorobenzene-d4	11.65	152	140085	44.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.24%

Target Compounds

					Ovalue
16) Methylene chloride	2.52	84	1912	0.773 ug/L	87
51) Chlorobenzene	8.91	112	5413	0.813 ug/L	97
62) 1,3-Dichlorobenzene	11.21	146	10501	2.066 ug/L	95
63) 1,4-Dichlorobenzene	11.29	146	38495	7.420 ug/L	97
67) 1,3,5-Trichlorobenzene	13.29	180	237281	59.128 ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	237281	66.666 ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	15976	4.487 ug/L	98

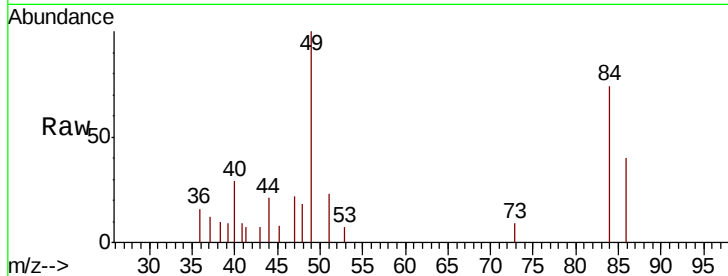
(#) = qualifier out of range (m) = manual integration (+) = signals summed



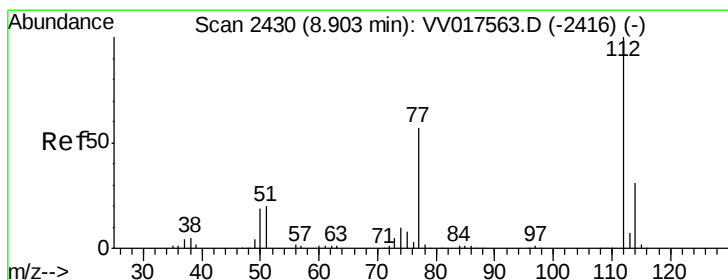
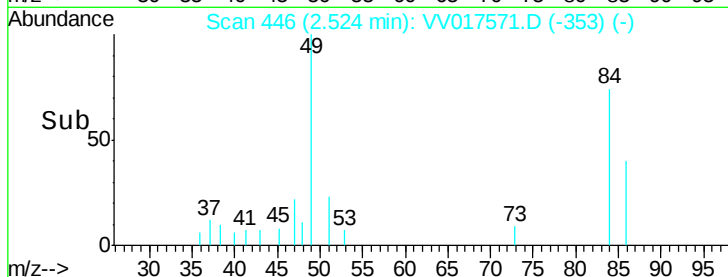
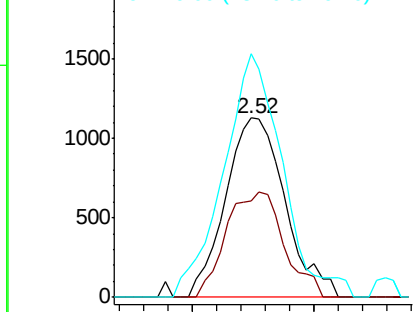
#16
Methvlene chloride
Concen: 0.773 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017571.D
Acq: 21 Jul 2020 18:09

Instrument :
MSVOA_V
ClientSampleId :
PMW-9DDL

Tot Ion: 84 Resp: 1912
Ion Ratio Lower Upper
84 100
86 53.9 44.5 82.7
49 136.0 84.4 156.8

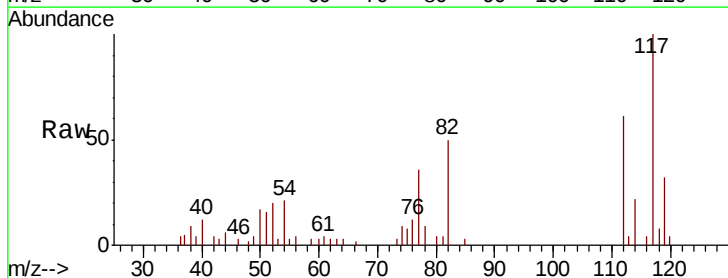


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.00 (48.70 to 49.70): VV0

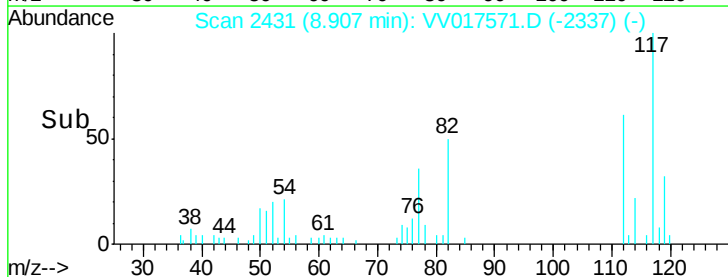
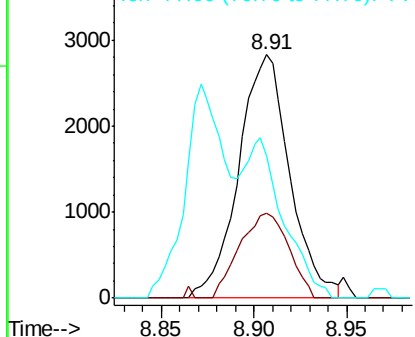


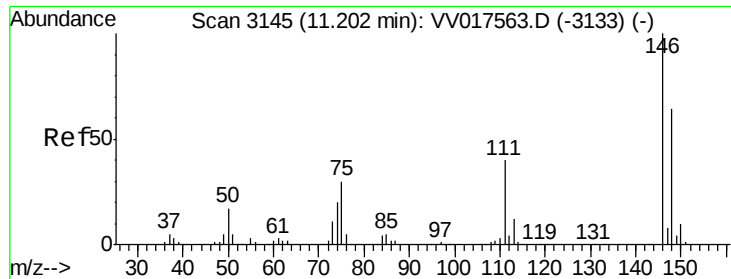
#51
Chlorobenzene
Concen: 0.813 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VV017571.D
Acq: 21 Jul 2020 18:09

Tgt Ion: 112 Resp: 5413
Ion Ratio Lower Upper
112 100
114 35.1 21.9 40.7
77 58.7 46.1 69.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 2.066 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV017571.D

Acq: 21 Jul 2020 18:09

Instrument :

MSVOA_V

ClientSampleId :

PMW-9DDL

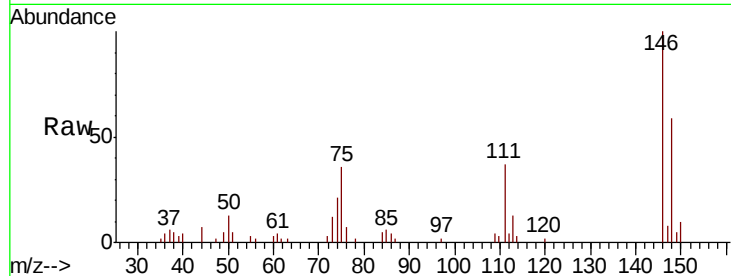
Tot Ion:146 Resp: 10501

Ion Ratio Lower Upper

146 100

111 37.3 28.2 52.4

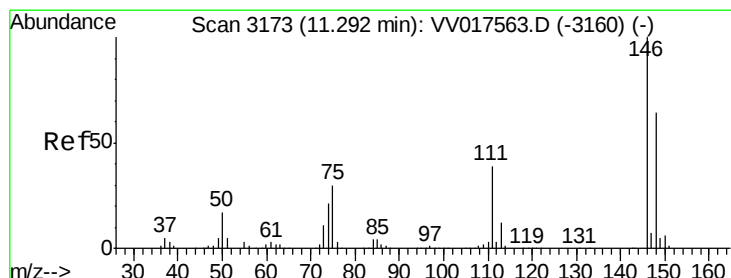
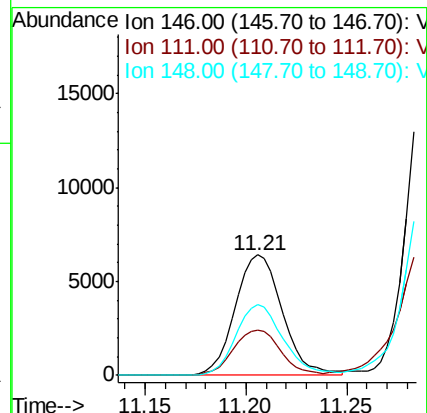
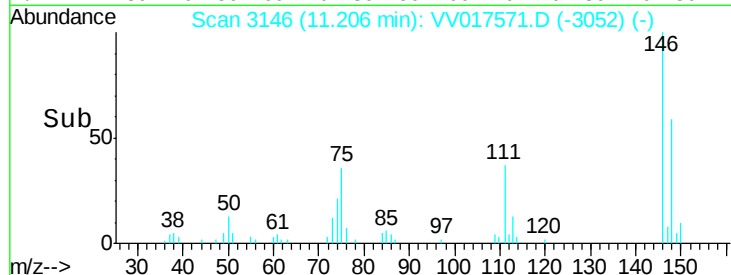
148 59.2 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 7.420 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017571.D

Acq: 21 Jul 2020 18:09

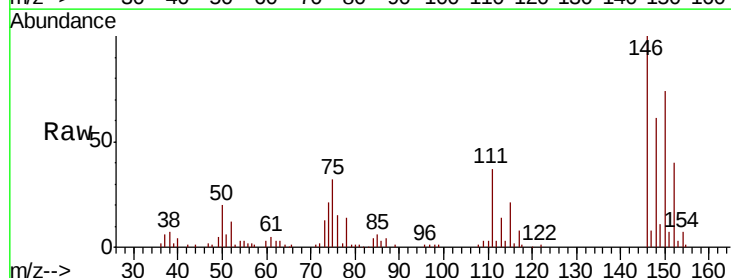
Tgt Ion:146 Resp: 38495

Ion Ratio Lower Upper

146 100

111 37.4 27.3 50.7

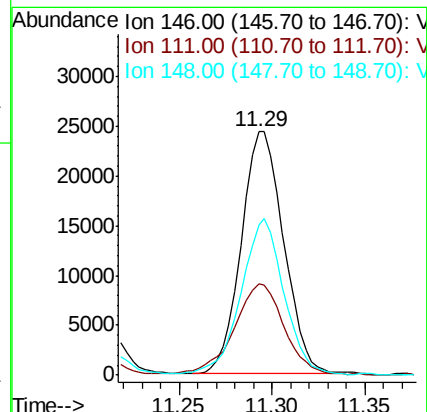
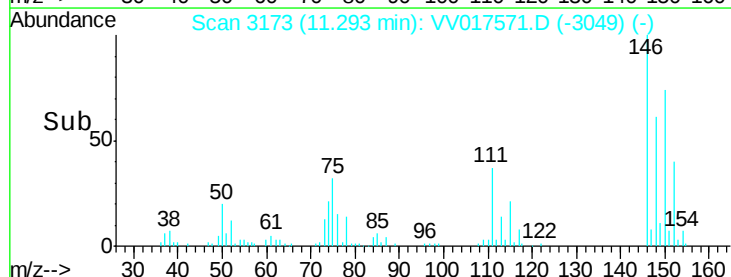
148 61.4 45.1 83.9

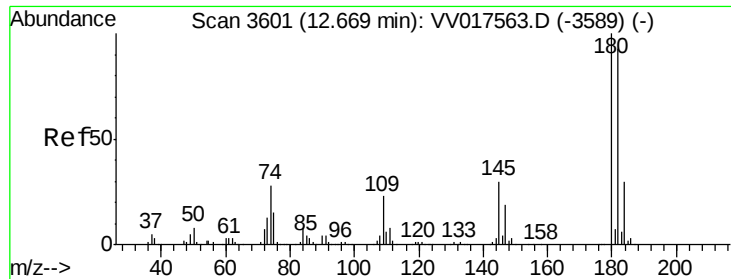


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

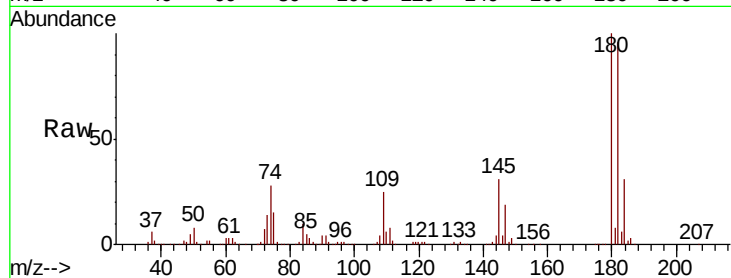




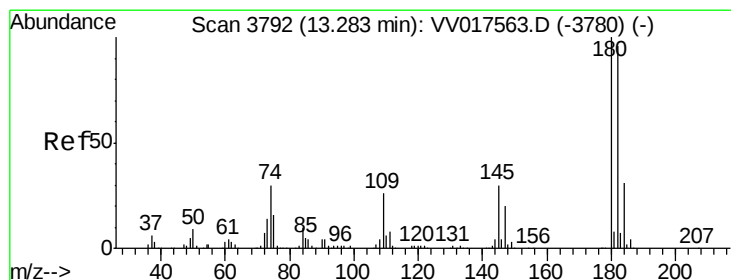
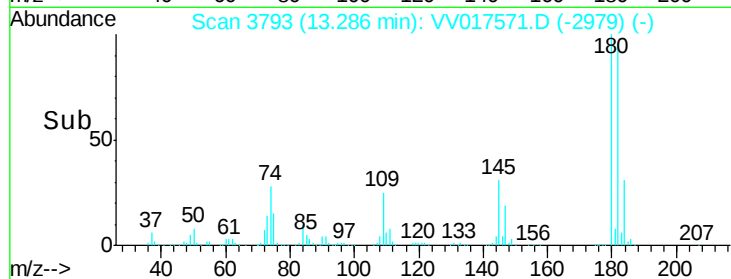
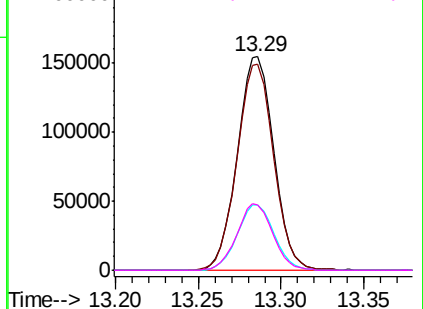
#67
 1,3,5-Trichlorobenzene
 Concen: 59.128 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV017571.D
 Acq: 21 Jul 2020 18:09

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-9DDL

Tot Ion:	180	Resp:	237281
Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.7	115.1
184	30.8	24.5	36.7
145	30.6	24.2	36.2

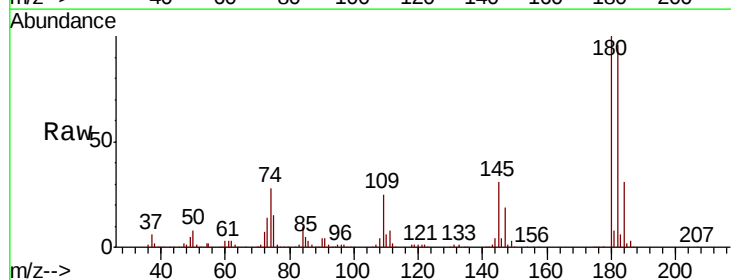


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

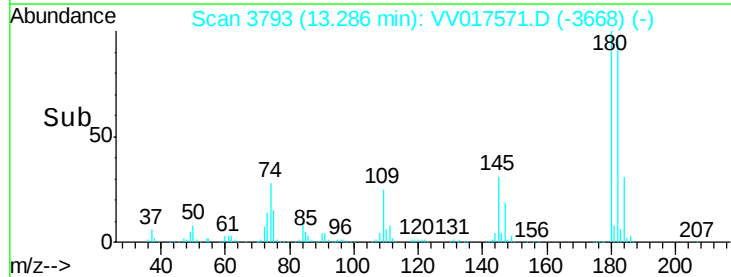
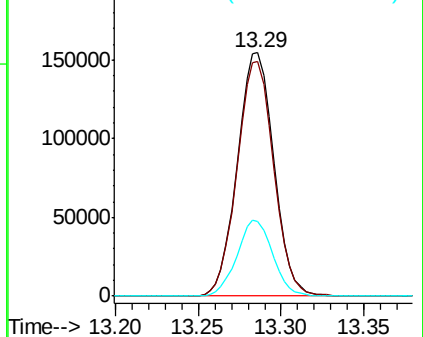


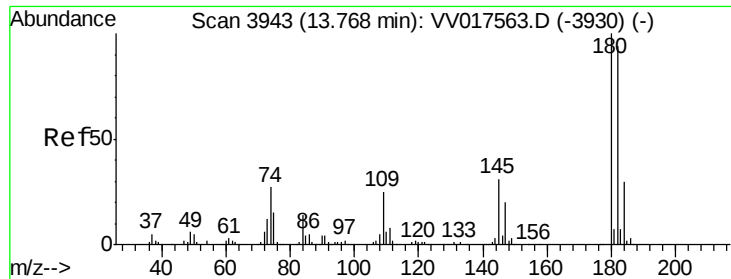
#68
 1,2,4-trichlorobenzene
 Concen: 66.666 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017571.D
 Acq: 21 Jul 2020 18:09

Tgt Ion:	180	Resp:	237281
Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.2	114.4
145	30.6	24.1	36.1



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

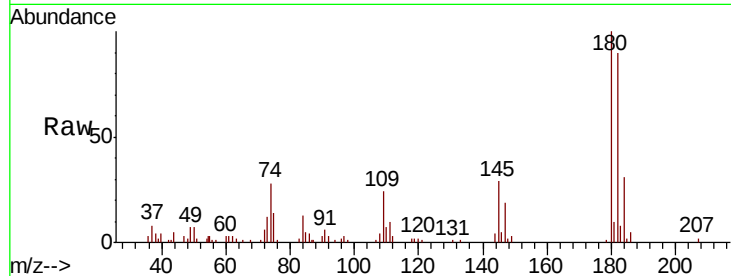




#70
 1,2,3-Trichlorobenzene
 Concen: 4.487 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017571.D
 Acq: 21 Jul 2020 18:09

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-9DDL

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.8	113.8
145	33.2	25.5	38.3



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

