

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072120\
 Data File : VV017575.D
 Acq On : 21 Jul 2020 19:42
 Operator : SY/MD
 Sample : L3336-14
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-9D

Quant Time: Jul 22 03:29:20 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	307846	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	300121	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	159573	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	65820	35.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.08%
7) Chloroethane-d5	1.58	69	50229	38.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.80%
11) 1,1-Dichloroethene-d2	2.12	63	108801	28.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.56%#
21) 2-Butanone-d5	3.91	46	131736	91.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.67%
24) Chloroform-d	4.38	84	184330	42.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.44%
26) 1,2-Dichloroethane-d4	5.06	65	131658	44.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.08%
32) Benzene-d6	5.07	84	337401	42.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.20%
36) 1,2-Dichloropropane-d6	6.09	67	105438	43.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.66%
41) Toluene-d8	7.34	98	304332	40.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.46%
43) trans-1,3-Dichloropropene-	7.64	79	50889	36.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.08%
47) 2-Hexanone-d5	8.11	63	100318	90.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.96%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	153072	44.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.46%
64) 1,2-Dichlorobenzene-d4	11.65	152	146889	44.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.78%

Target Compounds

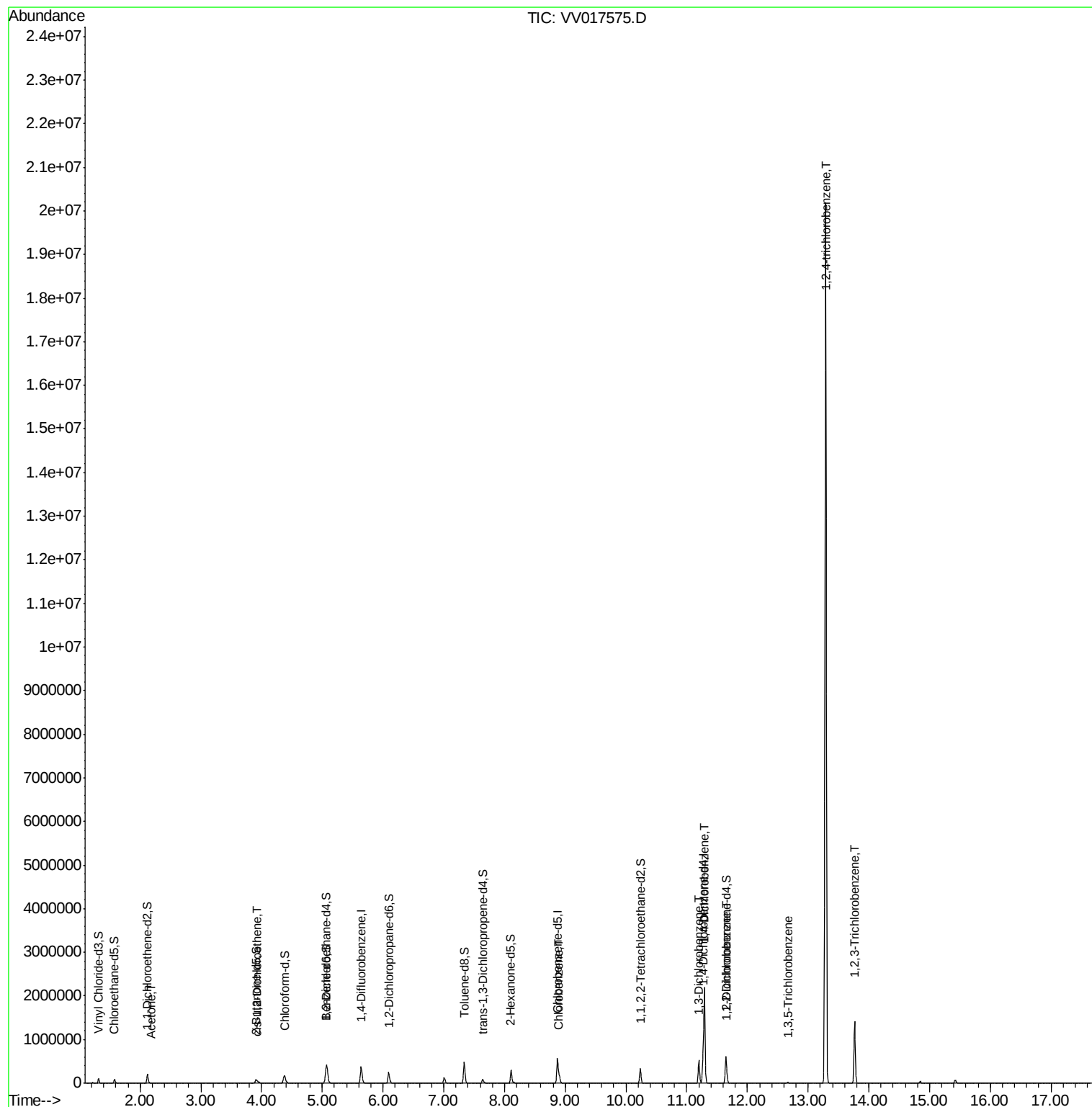
					Ovalue
13) Acetone	2.19	43	1925	1.484	ug/L 76
20) cis-1,2-Dichloroethene	3.93	96	2641	1.119	ug/L 97
51) Chlorobenzene	8.90	112	91063	14.154	ug/L 97
62) 1,3-Dichlorobenzene	11.20	146	208542	38.922	ug/L 99
63) 1,4-Dichlorobenzene	11.29	146	830203	151.808	ug/L 100
65) 1,2-Dichlorobenzene	11.67	146	40079	7.378	ug/L 98
67) 1,3,5-Trichlorobenzene	12.67	180	3889	0.919	ug/L 94
68) 1,2,4-trichlorobenzene	13.29	180	5806944	1547.847	ug/L 98
70) 1,2,3-Trichlorobenzene	13.77	180	412877	110.022	ug/L 98

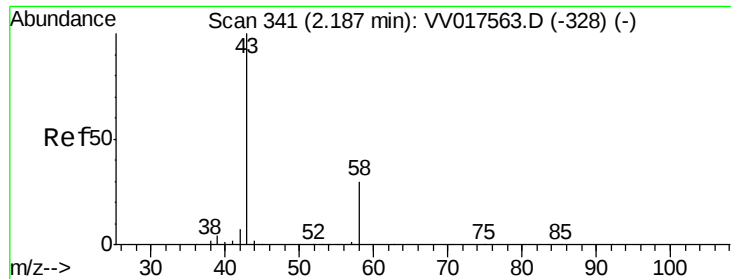
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 22 03:23:09 2020
Response via : Initial Calibration





#13

Acetone

Concen: 1.484 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV017575.D

Acq: 21 Jul 2020 19:42

Instrument :

MSVOA_V

ClientSampleId :

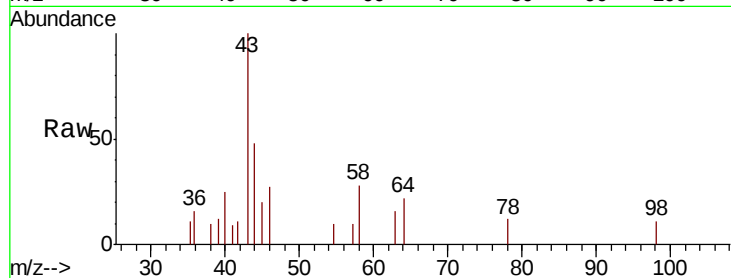
PMW-9D

Tot Ion: 43 Resp: 1925

Ion Ratio Lower Upper

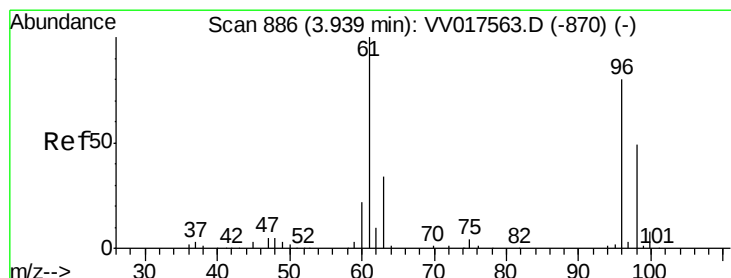
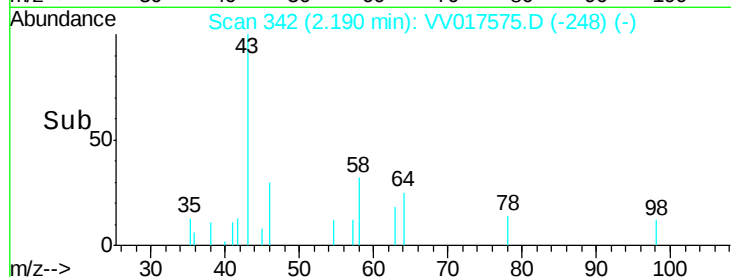
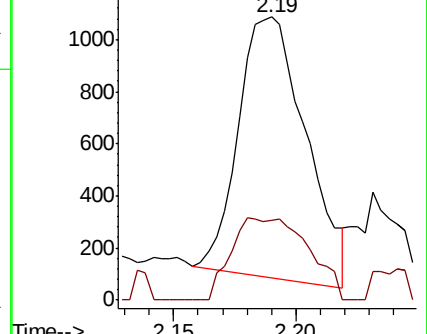
43 100

58 16.3 0.0 58.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 1.119 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.01 min

Lab File: VV017575.D

Acq: 21 Jul 2020 19:42

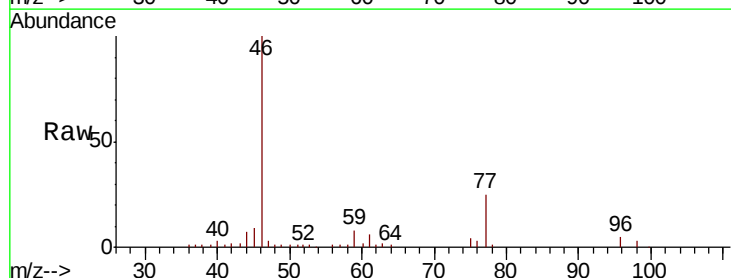
Tgt Ion: 96 Resp: 2641

Ion Ratio Lower Upper

96 100

61 121.8 87.8 163.2

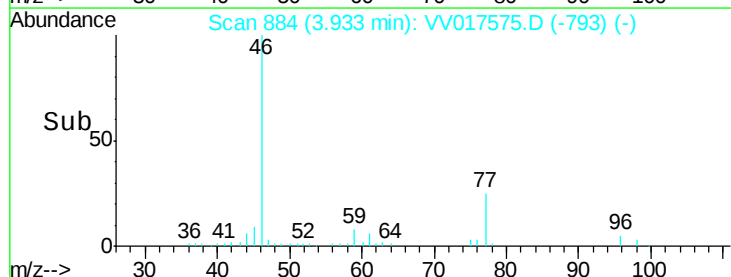
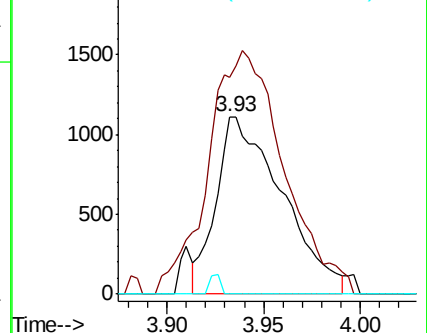
68 0.0 0.0 0.0

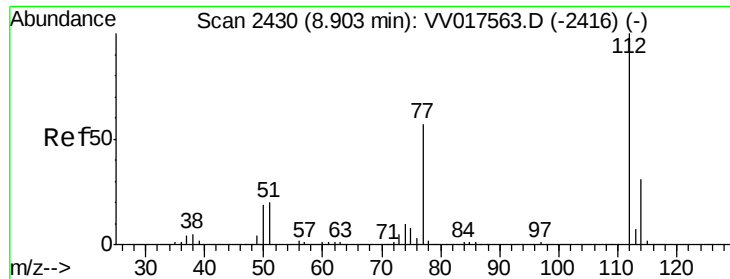


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#51

Chlorobenzene

Concen: 14.154 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017575.D

Acq: 21 Jul 2020 19:42

Instrument :

MSVOA_V

ClientSampleId :

PMW-9D

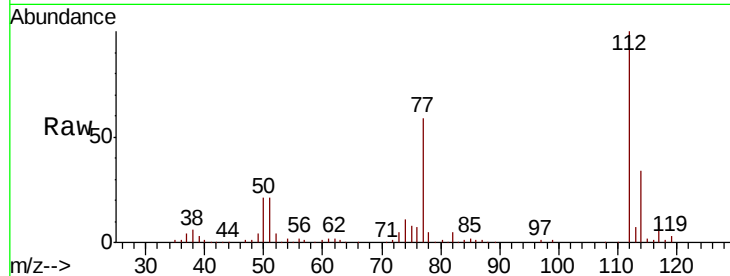
Tot Ion:112 Resp: 91063

Ion Ratio Lower Upper

112 100

114 34.1 21.9 40.7

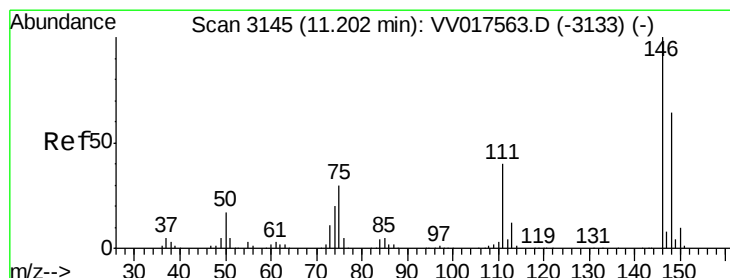
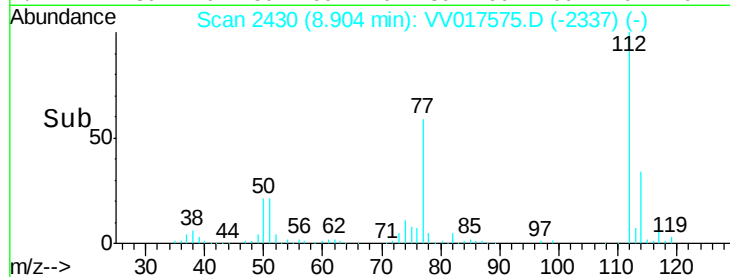
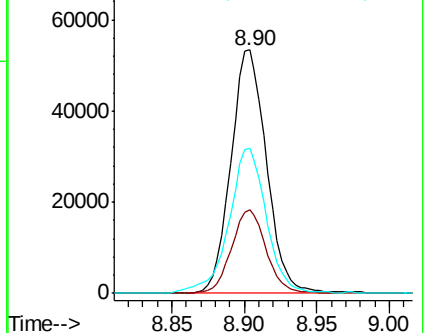
77 59.3 46.1 69.1



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): V



#62

1,3-Dichlorobenzene

Concen: 38.922 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017575.D

Acq: 21 Jul 2020 19:42

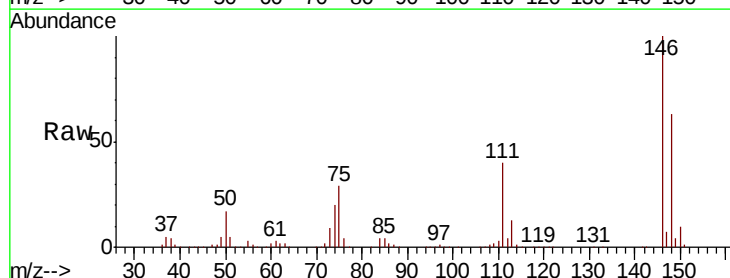
Tgt Ion:146 Resp: 208542

Ion Ratio Lower Upper

146 100

111 39.6 28.2 52.4

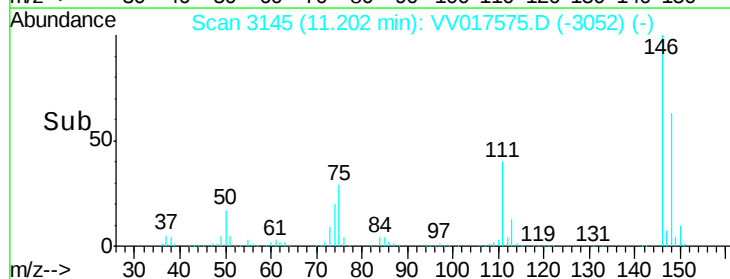
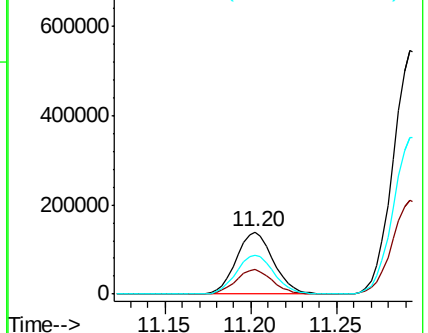
148 63.4 44.7 82.9

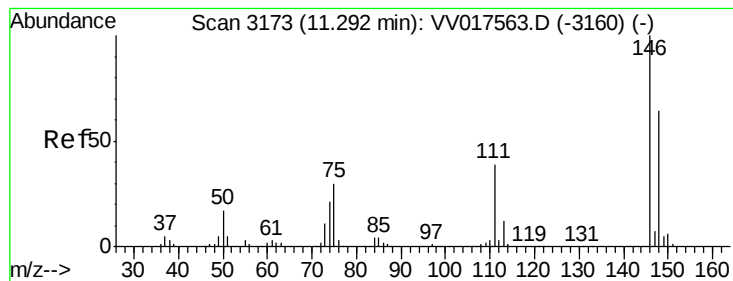


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 151.808 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017575.D

Acq: 21 Jul 2020 19:42

Instrument :

MSVOA_V

ClientSampleId :

PMW-9D

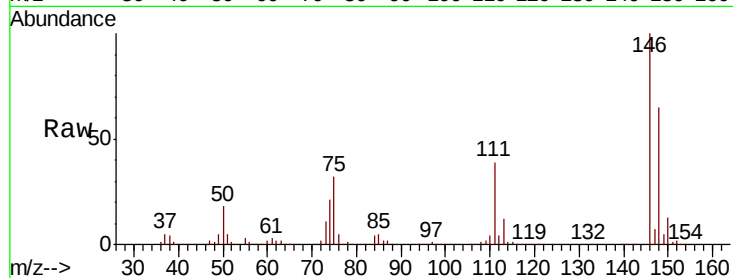
Tot Ion:146 Resp: 830203

Ion Ratio Lower Upper

146 100

111 38.5 27.3 50.7

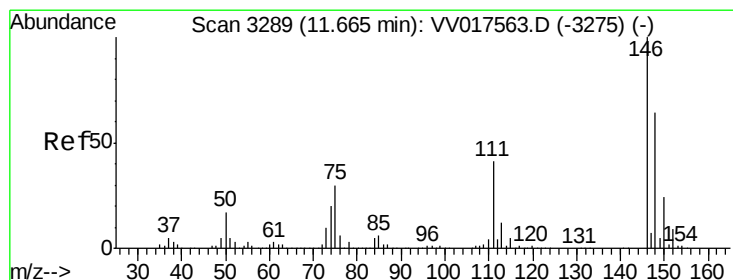
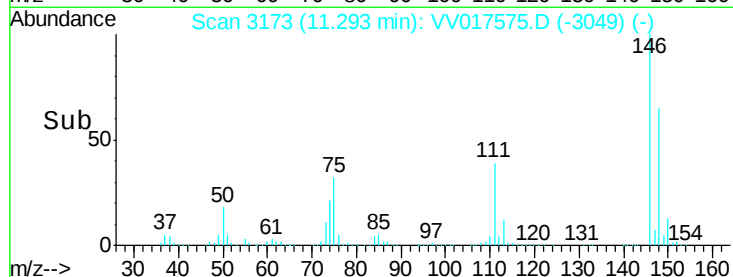
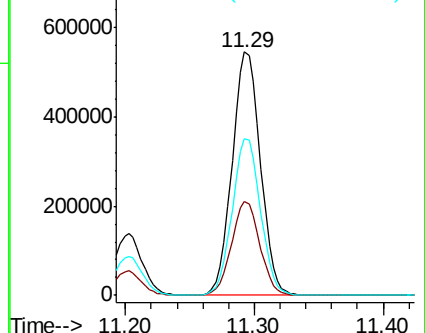
148 64.6 45.1 83.9



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



#65

1,2-Dichlorobenzene

Concen: 7.378 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017575.D

Acq: 21 Jul 2020 19:42

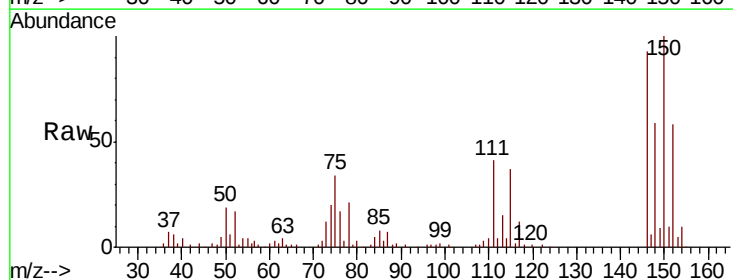
Tgt Ion:146 Resp: 40079

Ion Ratio Lower Upper

146 100

111 43.9 32.9 49.3

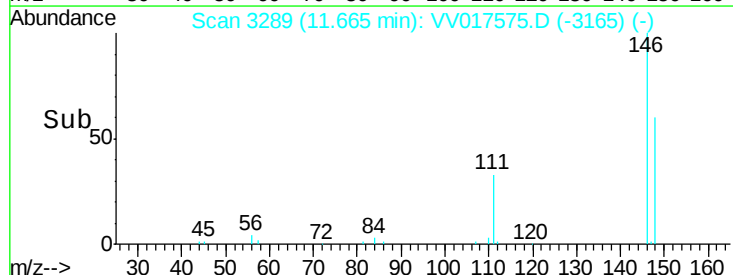
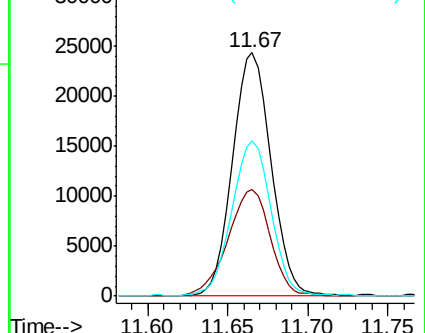
148 63.8 51.0 76.4

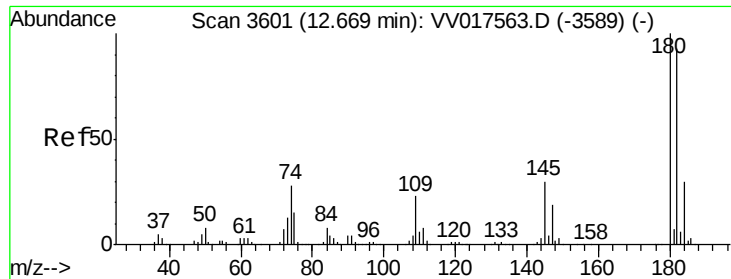


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

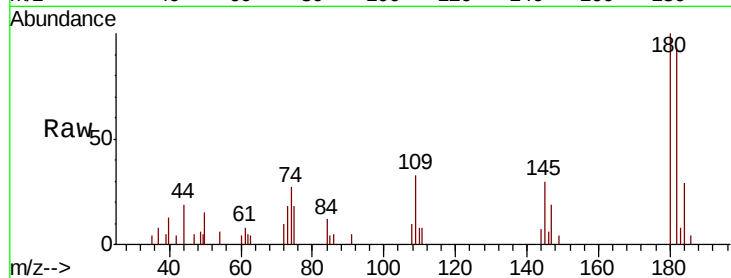




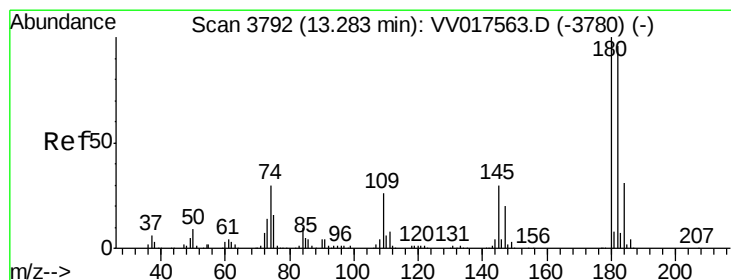
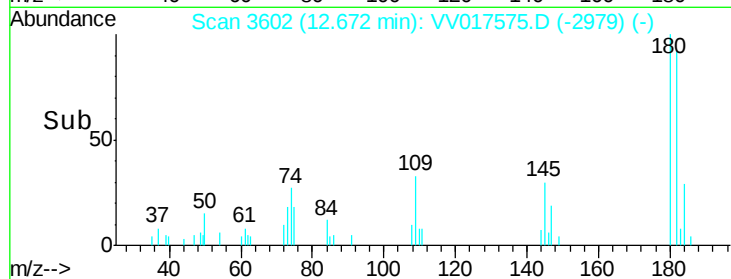
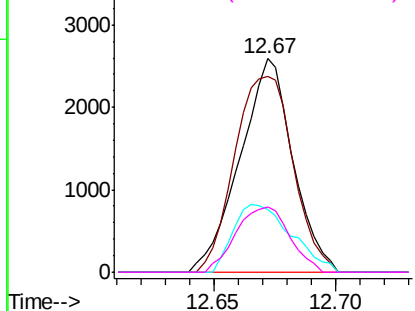
#67
 1,3,5-Trichlorobenzene
 Concen: 0.919 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV017575.D
 Acq: 21 Jul 2020 19:42

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-9D

Tot Ion:180 Resp: 3889
 Ion Ratio Lower Upper
 180 100
 182 101.8 76.7 115.1
 184 34.9 24.5 36.7
 145 30.9 24.2 36.2

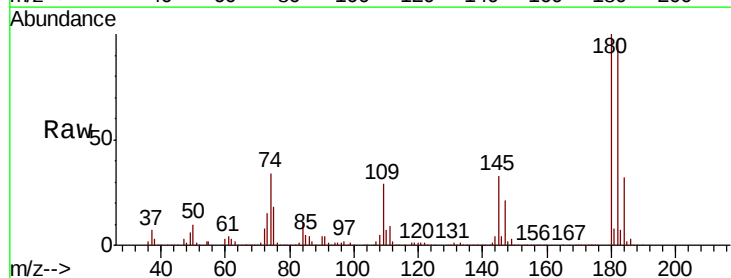


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

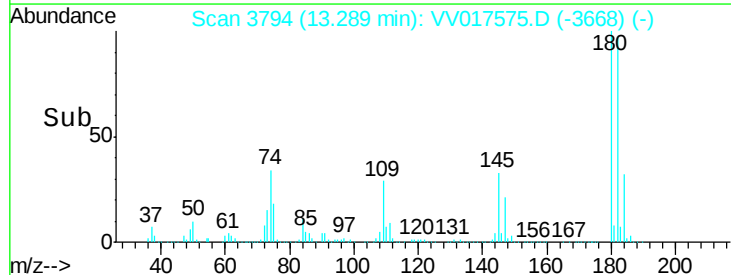
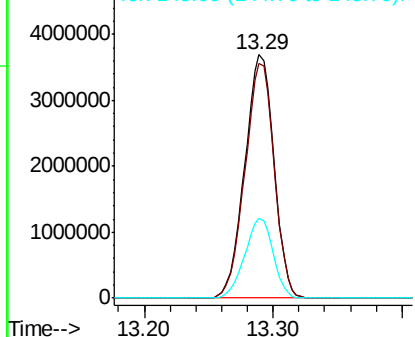


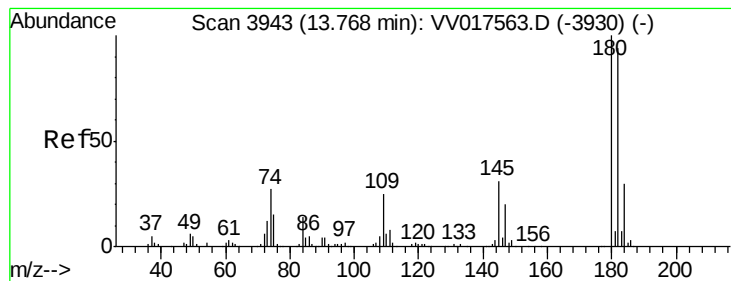
#68
 1,2,4-trichlorobenzene
 Concen: 1547.847 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV017575.D
 Acq: 21 Jul 2020 19:42

Tgt Ion:180 Resp: 5806944
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.2 114.4
 145 31.9 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: 110.022 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV017575.D

Acq: 21 Jul 2020 19:42

Instrument :

MSVOA_V

ClientSampleId :

PMW-9D

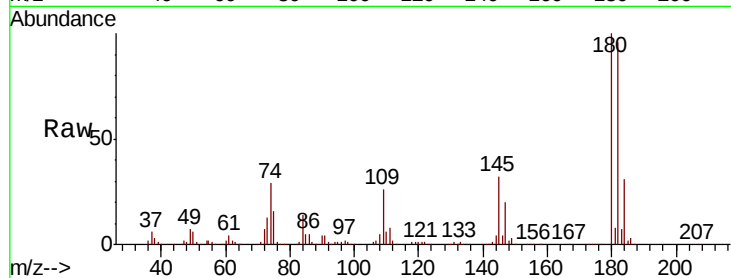
Tot Ion:180 Resp: 412877

Ion Ratio Lower Upper

180 100

182 97.6 75.8 113.8

145 32.6 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

