

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072120\
 Data File : VV017569.D
 Acq On : 21 Jul 2020 17:22
 Operator : SY/MD
 Sample : L3336-08DL 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-6DL

Quant Time: Jul 22 03:28:02 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	325060	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	315035	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	155733	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70771	35.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.36%
7) Chloroethane-d5	1.58	69	49964	36.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.28%
11) 1,1-Dichloroethene-d2	2.12	63	112610	28.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.42%#
21) 2-Butanone-d5	3.90	46	135931	89.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.58%
24) Chloroform-d	4.38	84	187313	41.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.22%
26) 1,2-Dichloroethane-d4	5.05	65	132789	42.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.08%
32) Benzene-d6	5.07	84	345334	41.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.10%
36) 1,2-Dichloropropane-d6	6.09	67	107723	42.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.32%
41) Toluene-d8	7.34	98	313948	39.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.08%#
43) trans-1,3-Dichloropropene-	7.64	79	53411	36.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.06%
47) 2-Hexanone-d5	8.11	63	100155	86.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.51%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	149621	41.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	138947	43.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.06%

Target Compounds

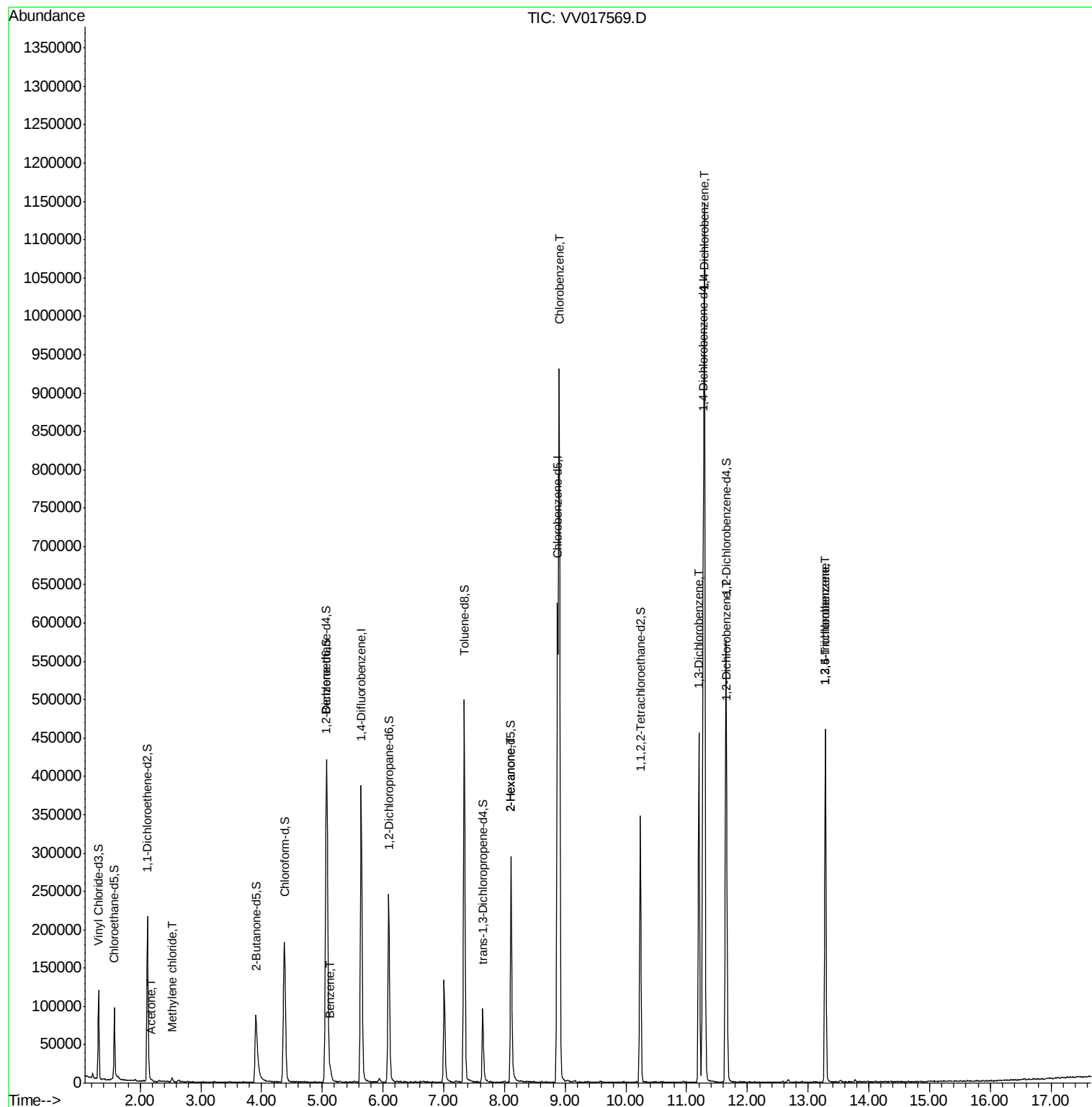
					Ovalue
13) Acetone	2.19	43	1993	1.455 ug/L	90
16) Methylene chloride	2.53	84	2256	0.919 ug/L	90
33) Benzene	5.13	78	14216	1.535 ug/L	100
48) 2-Hexanone	8.11	43	11948	4.579 ug/L #	71
51) Chlorobenzene	8.90	112	464372	68.760 ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	178615	34.159 ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	422053	79.078 ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	48137	9.080 ug/L	94
67) 1,3,5-Trichlorobenzene	13.29	180	135449	32.811 ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	135449	36.994 ug/L	99

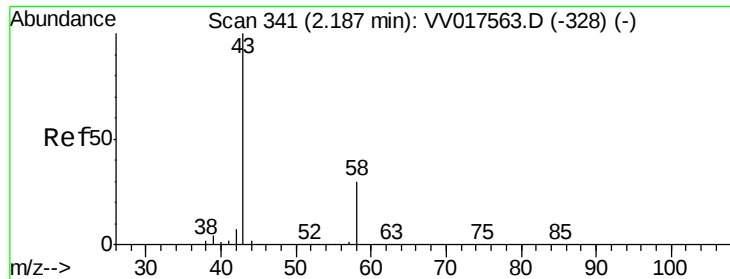
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Jul 22 03:23:09 2020
Response via : Initial Calibration





#13

Acetone

Concen: 1.455 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV017569.D

Acq: 21 Jul 2020 17:22

Instrument :

MSVOA_V

ClientSampleId :

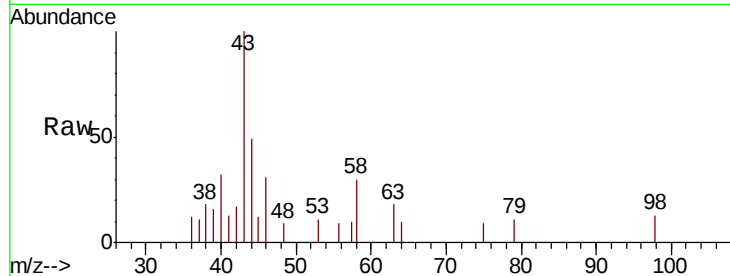
PMW-6DL

Tot Ion: 43 Resp: 1993

Ion Ratio Lower Upper

43 100

58 34.4 0.0 58.0



Abundance Ion 43.00 (42.70 to 43.70): VV017569.D (-248) (-)

Ion 58.00 (57.70 to 58.70): VV017569.D (-248) (-)

2.19

1200

1000

800

600

400

200

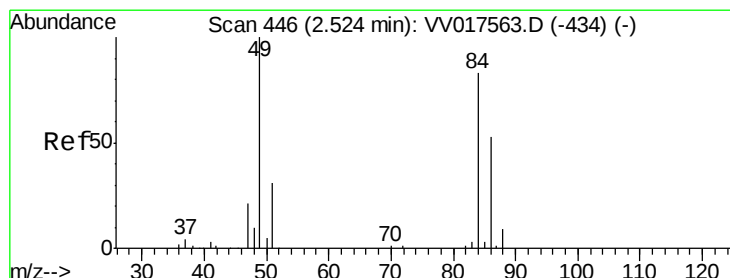
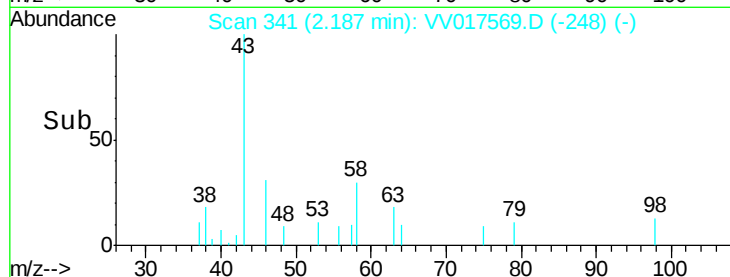
0

Time-->

2.15

2.20

2.25



#16

Methylene chloride

Concen: 0.919 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.01 min

Lab File: VV017569.D

Acq: 21 Jul 2020 17:22

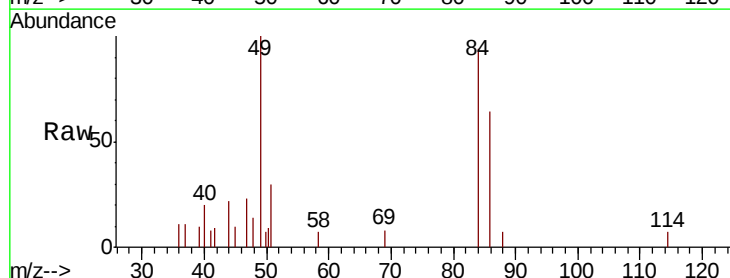
Tgt Ion: 84 Resp: 2256

Ion Ratio Lower Upper

84 100

86 68.5 44.5 82.7

49 107.0 84.4 156.8



Abundance Ion 84.00 (83.70 to 84.70): VV017569.D (-353) (-)

Ion 86.00 (85.70 to 86.70): VV017569.D (-353) (-)

Ion 49.00 (48.70 to 49.70): VV017569.D (-353) (-)

2000

1500

1000

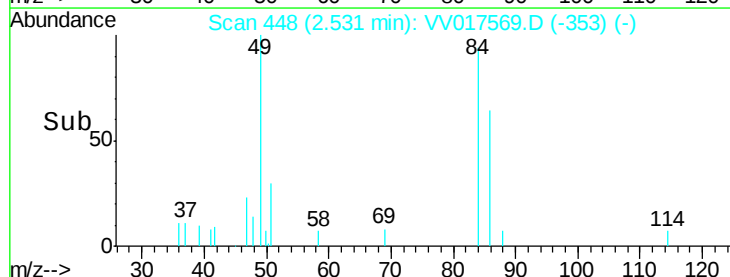
500

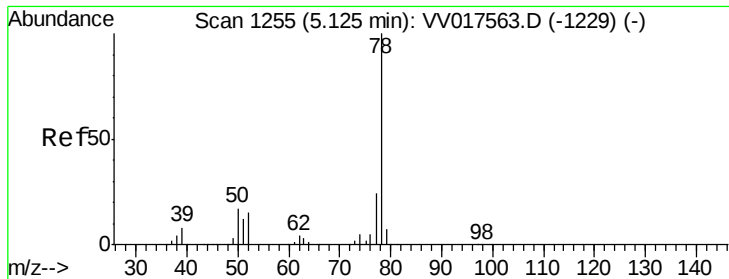
0

Time-->

2.50

2.55





#33

Benzene

Concen: 1.535 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV017569.D

Acq: 21 Jul 2020 17:22

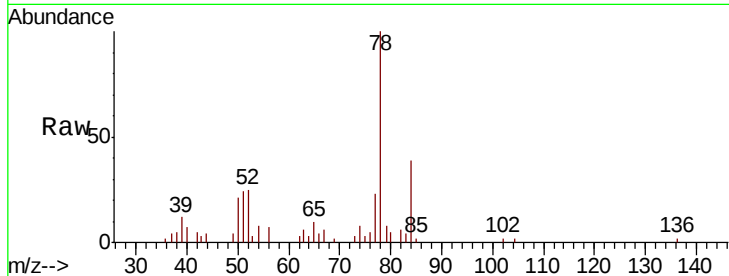
Instrument :

MSVOA_V

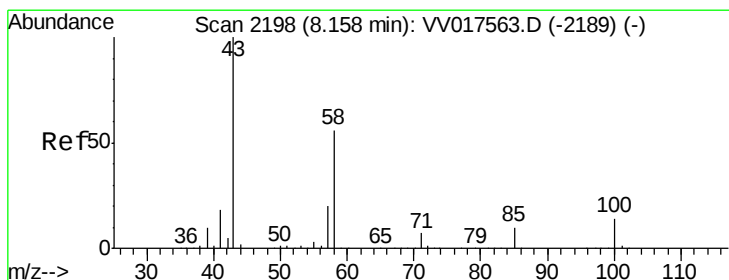
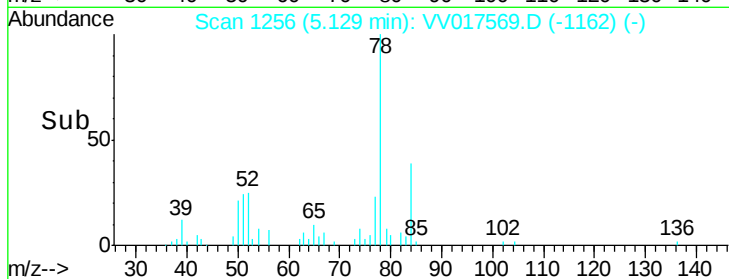
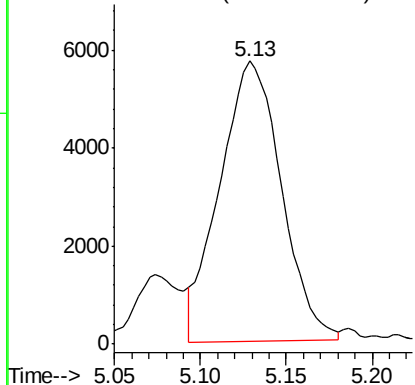
ClientSampleId :

PMW-6DL

Tgt Ion: 78 Resp: 14216



Abundance Ion 78.00 (77.70 to 78.70): VV0



#48

2-Hexanone

Concen: 4.579 ug/L

RT: 8.11 min Scan# 2183

Delta R.T. -0.05 min

Lab File: VV017569.D

Acq: 21 Jul 2020 17:22

Tgt Ion: 43 Resp: 11948

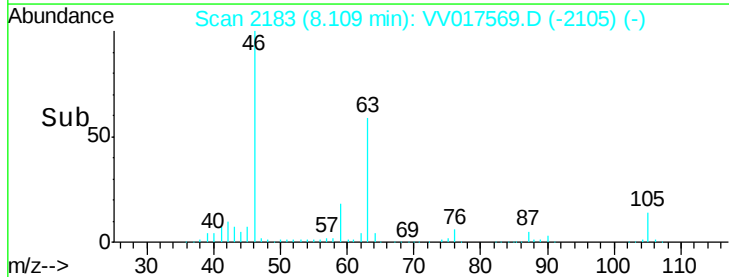
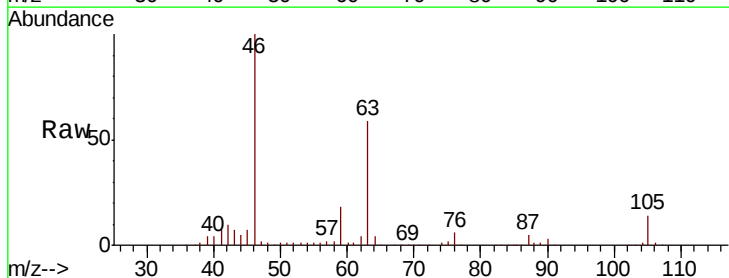
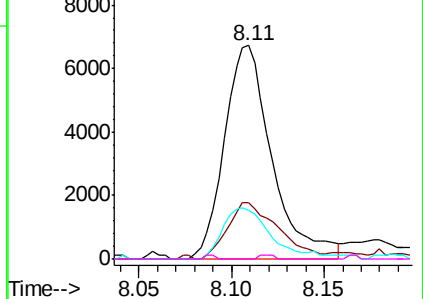
Ion	Ratio	Lower	Upper
43	100		
58	28.3	44.3	66.5#
57	23.2	16.9	25.3
100	0.5	11.0	16.4#

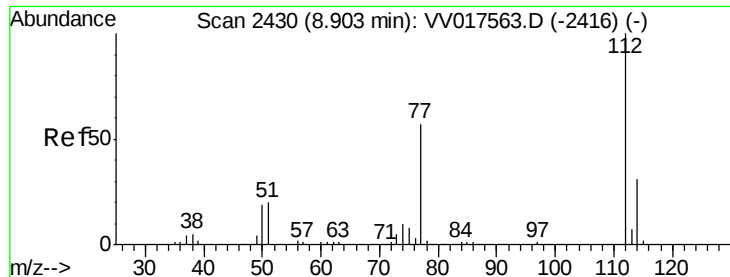
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#51

Chlorobenzene

Concen: 68.760 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV017569.D

Acq: 21 Jul 2020 17:22

Instrument :

MSVOA_V

ClientSampleId :

PMW-6DL

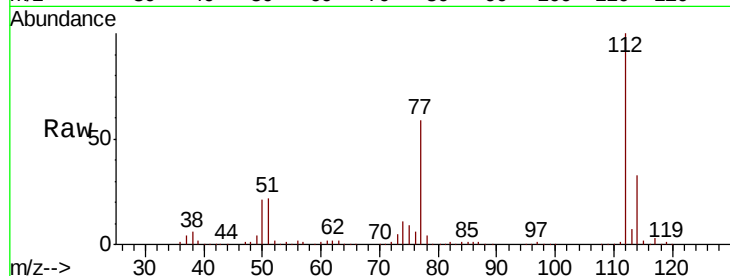
Tot Ion:112 Resp: 464372

Ion Ratio Lower Upper

112 100

114 32.5 21.9 40.7

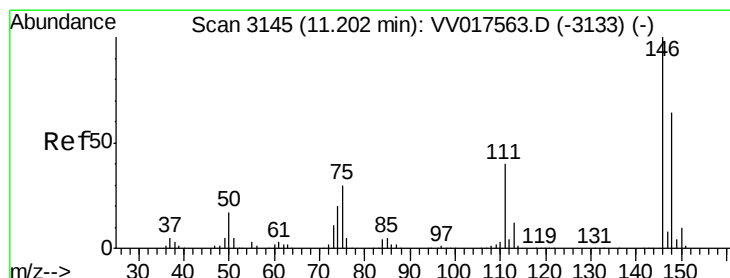
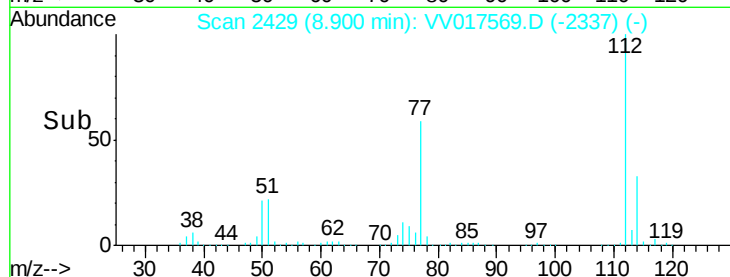
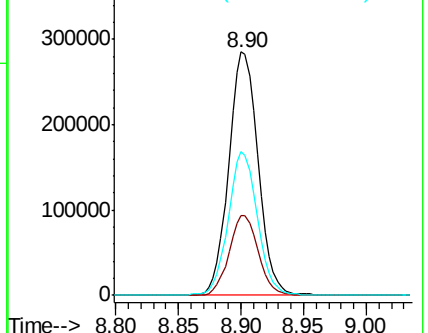
77 59.1 46.1 69.1



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: 34.159 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017569.D

Acq: 21 Jul 2020 17:22

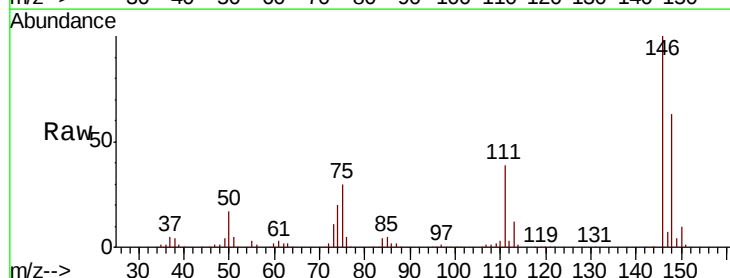
Tgt Ion:146 Resp: 178615

Ion Ratio Lower Upper

146 100

111 38.8 28.2 52.4

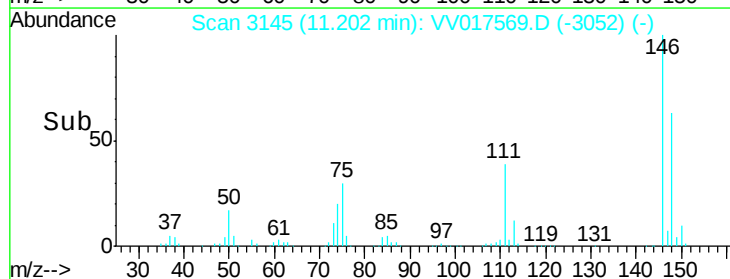
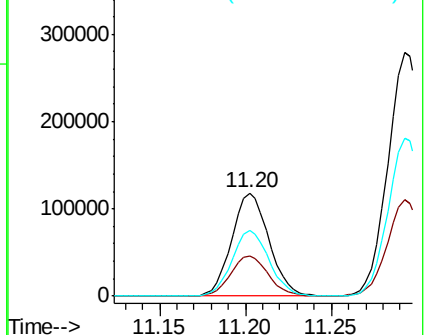
148 63.3 44.7 82.9

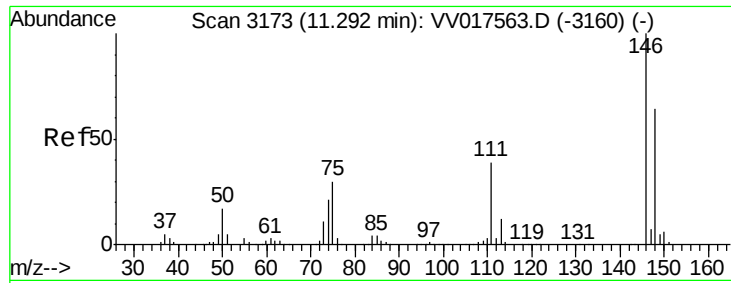


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

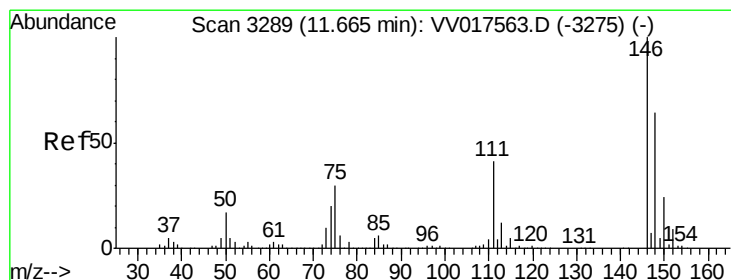
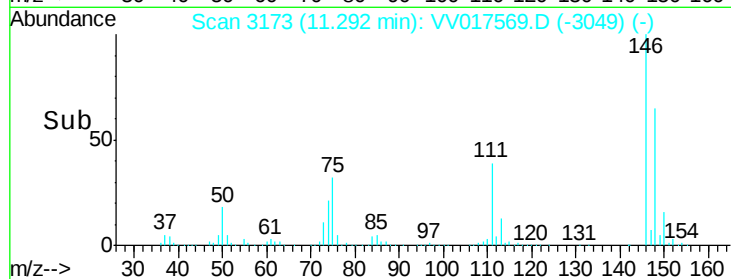
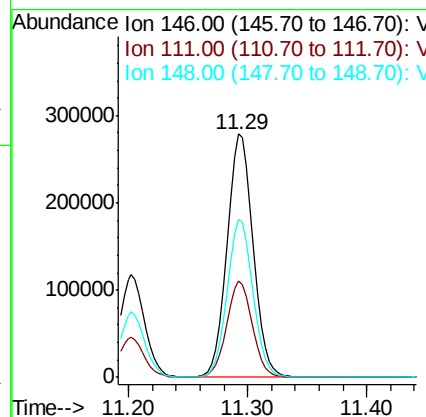
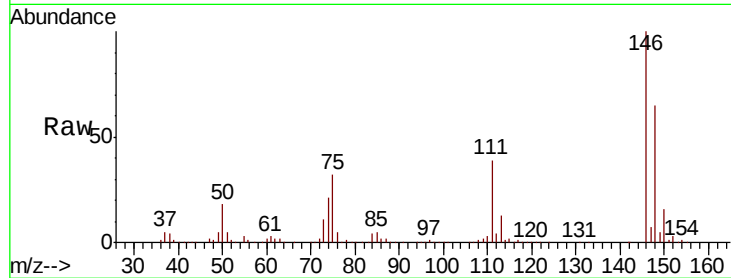




#63
 1,4-Dichlorobenzene
 Concen: 79.078 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017569.D
 Acq: 21 Jul 2020 17:22

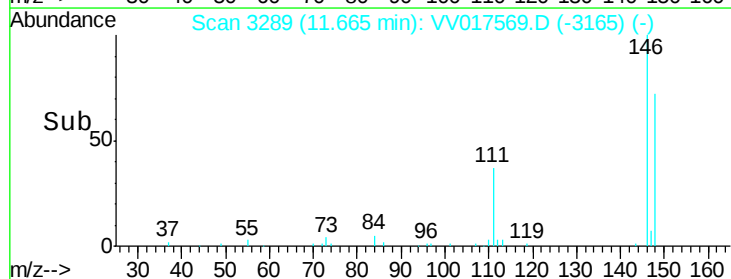
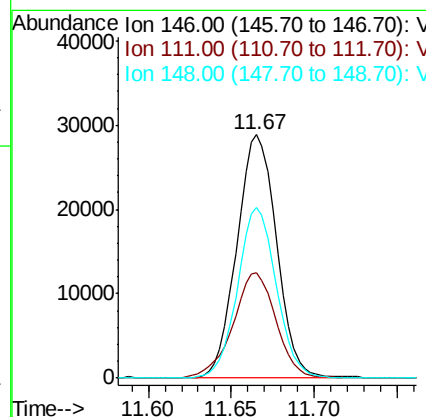
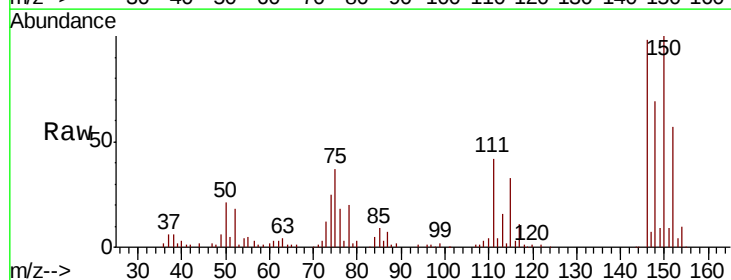
Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-6DL

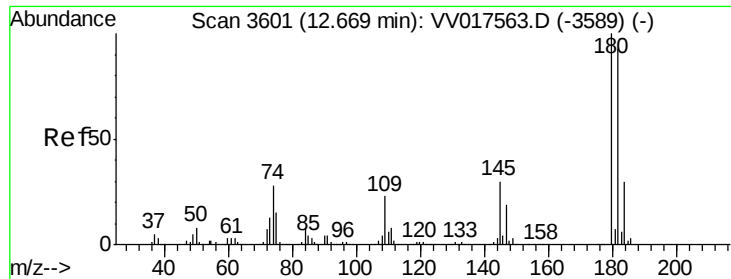
Tot Ion:146 Resp: 422053
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.3 50.7
 148 64.9 45.1 83.9



#65
 1,2-Dichlorobenzene
 Concen: 9.080 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017569.D
 Acq: 21 Jul 2020 17:22

Tgt Ion:146 Resp: 48137
 Ion Ratio Lower Upper
 146 100
 111 43.1 32.9 49.3
 148 70.1 51.0 76.4

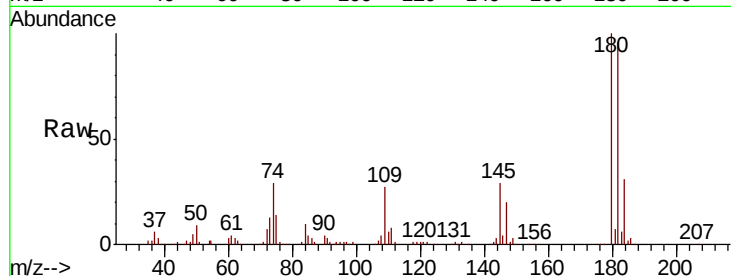




#67
 1,3,5-Trichlorobenzene
 Concen: 32.811 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV017569.D
 Acq: 21 Jul 2020 17:22

Instrument :
 MSVOA_V
 ClientSampled :
 PMW-6DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.7	115.1
184	30.9	24.5	36.7
145	30.0	24.2	36.2

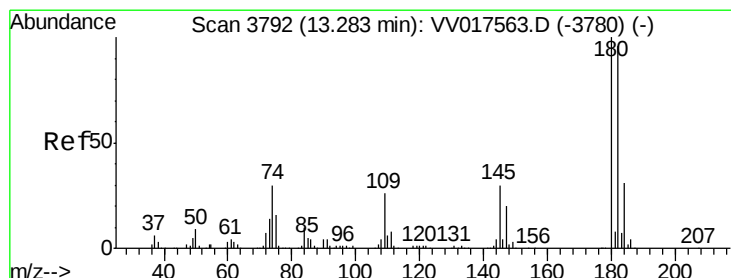
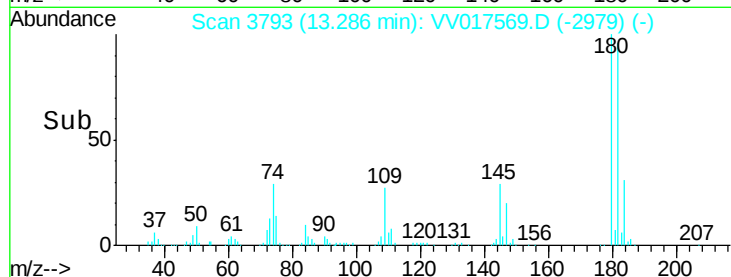
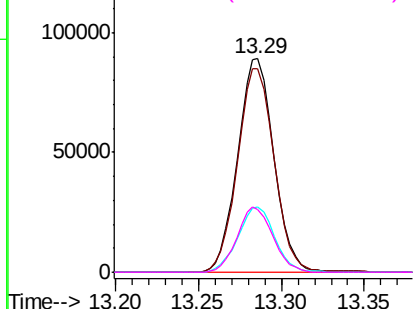


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

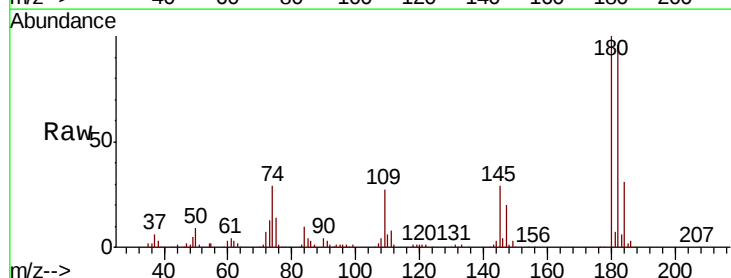
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 36.994 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017569.D
 Acq: 21 Jul 2020 17:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.2	114.4
145	30.0	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

