

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072220\
 Data File : VV017592.D
 Acq On : 22 Jul 2020 16:46
 Operator : SY/MD
 Sample : L3386-02 50X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0F83

Quant Time: Jul 23 05:27:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 23 05:23:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	308066	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	301239	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	159533	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85521	45.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.98%
7) Chloroethane-d5	1.58	69	60869	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.12	63	132201	34.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.88%
21) 2-Butanone-d5	3.90	46	137204	95.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.41%
24) Chloroform-d	4.37	84	206925	47.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.84%
26) 1,2-Dichloroethane-d4	5.05	65	150530	50.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.76%
32) Benzene-d6	5.07	84	384244	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.54%
36) 1,2-Dichloropropane-d6	6.09	67	115930	48.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.02%
41) Toluene-d8	7.33	98	359657	47.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.74%
43) trans-1,3-Dichloropropene-	7.64	79	63749	45.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.20%
47) 2-Hexanone-d5	8.10	63	103191	93.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.21%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	158474	46.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.26%
64) 1,2-Dichlorobenzene-d4	11.37	152	142	0.04	ug/L	-0.28
Spiked Amount	50.000	Range	80 - 120	Recovery	=	0.08%#

Target Compounds

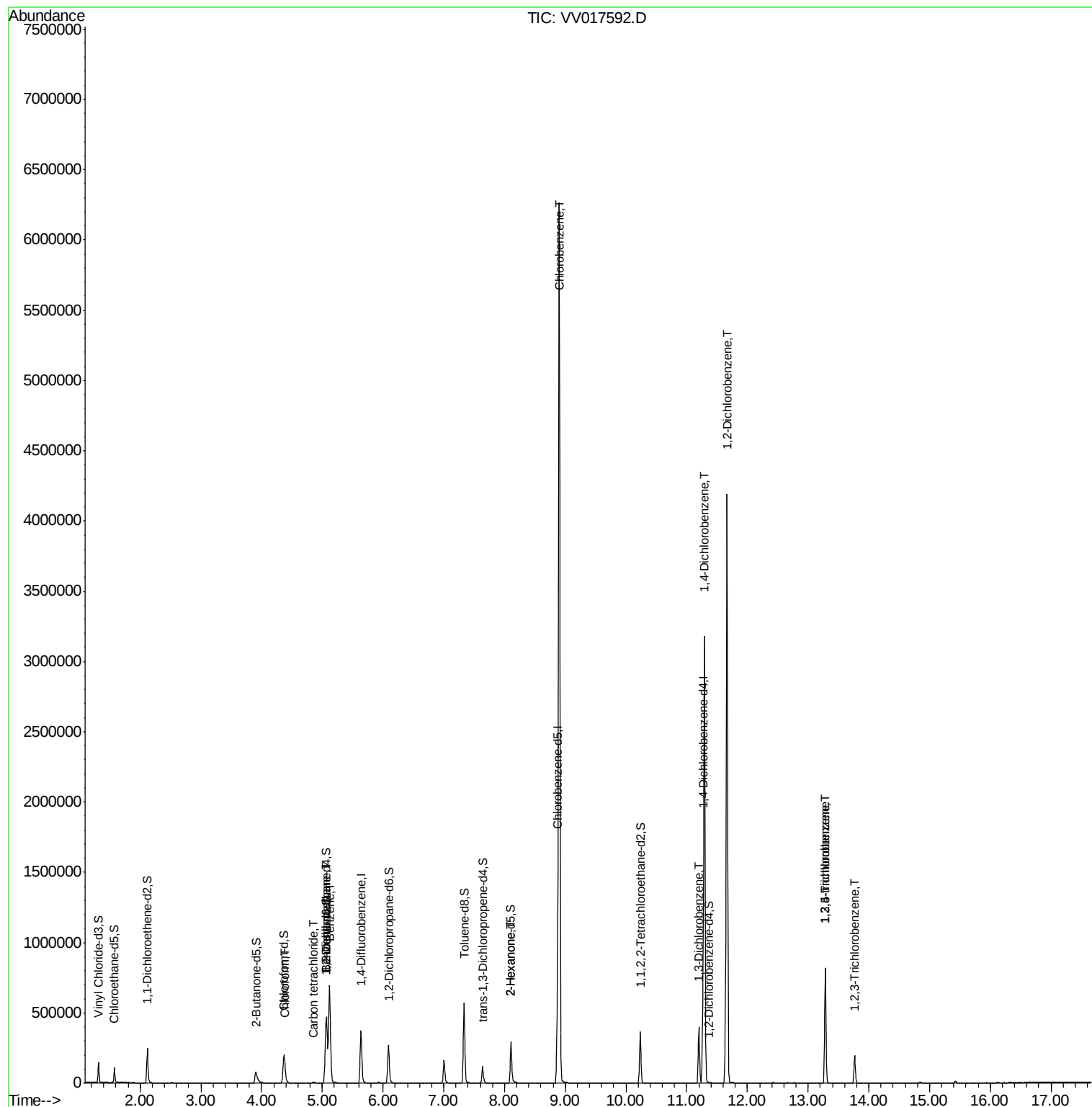
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	4.39	83	8839	2.068	ug/L	98
27) 1,2-Dichloroethane	5.07	62	3036	0.837	ug/L	98
31) Carbon tetrachloride	4.85	117	3944	1.050	ug/L	97
33) Benzene	5.12	78	664160	74.999	ug/L	100
48) 2-Hexanone	8.10	43	13450	5.391	ug/L #	66
51) Chlorobenzene	8.90	112	3122840	483.582	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	158536	29.597	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	1200453	219.565	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1573326	289.716	ug/L	99
67) 1,3,5-Trichlorobenzene	13.28	180	236418	55.906	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	236418	63.033	ug/L	99
70) 1,2,3-Trichlorobenzene	13.76	180	56767	15.131	ug/L	96

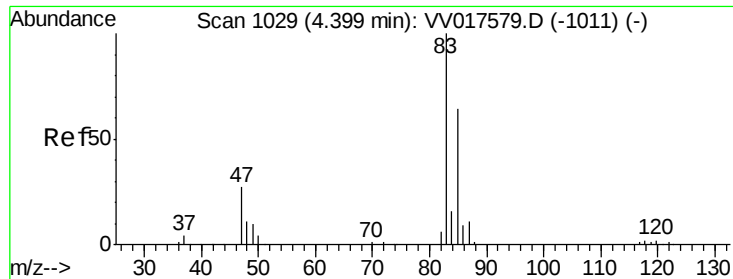
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Jul 23 05:23:23 2020
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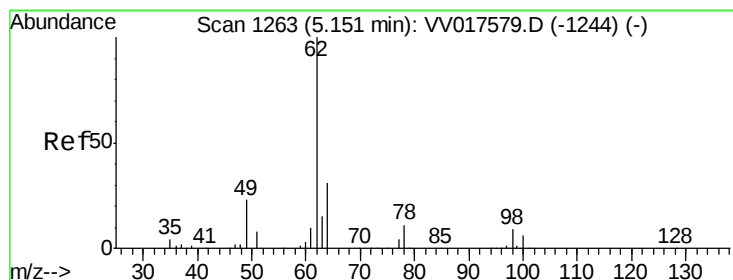
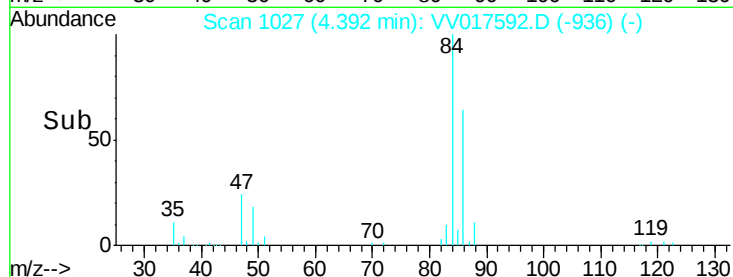
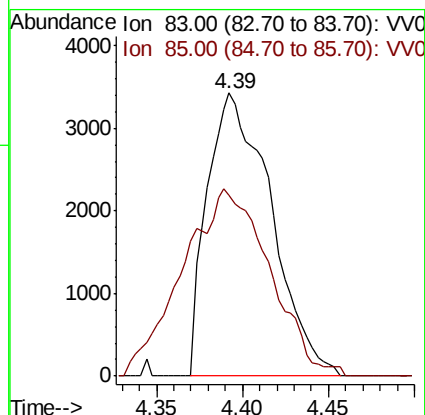
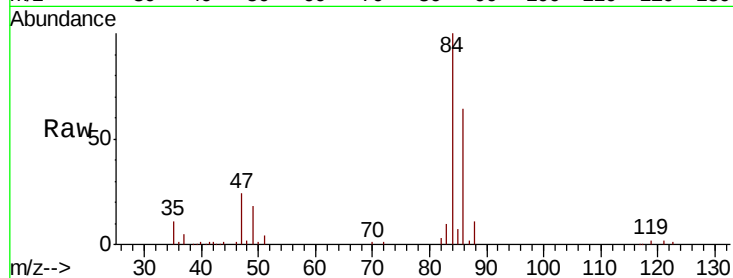




#25
Chloroform
Concen: 2.068 ug/L
RT: 4.39 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VV017592.D
Acq: 22 Jul 2020 16:46

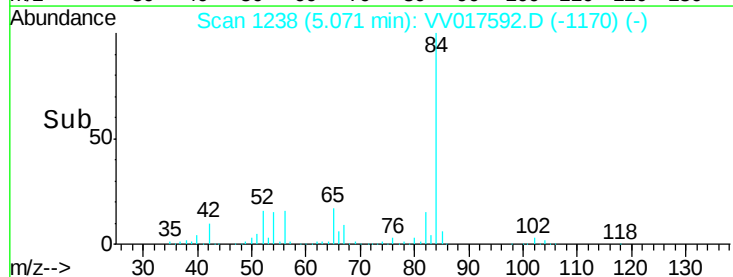
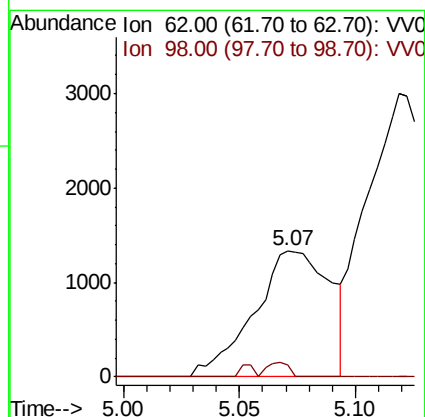
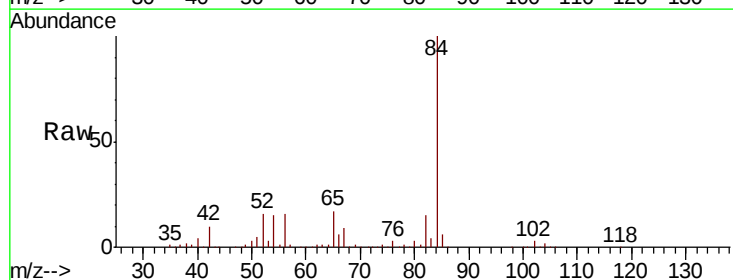
Instrument :
MSVOA_V
ClientSampleId :
C0F83

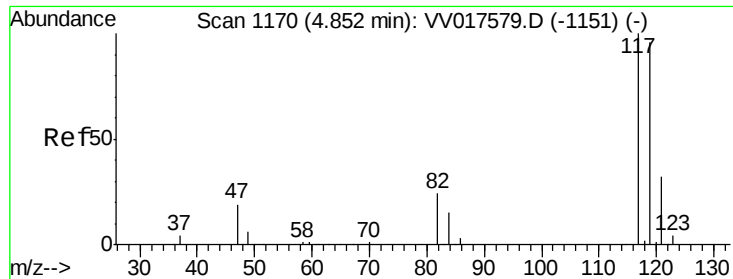
Tot Ion: 83 Resp: 8839
Ion Ratio Lower Upper
83 100
85 64.0 45.6 84.8



#27
1,2-Dichloroethane
Concen: 0.837 ug/L
RT: 5.07 min Scan# 1238
Delta R.T. -0.08 min
Lab File: VV017592.D
Acq: 22 Jul 2020 16:46

Tgt Ion: 62 Resp: 3036
Ion Ratio Lower Upper
62 100
98 9.4 7.1 10.7





#31

Carbon tetrachloride

Concen: 1.050 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV017592.D

Acq: 22 Jul 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

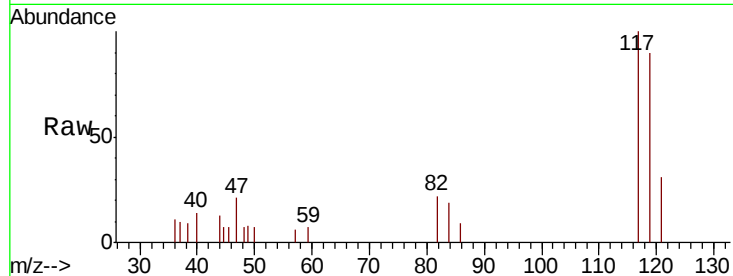
C0F83

Tot Ion:117 Resp: 3944

Ion Ratio Lower Upper

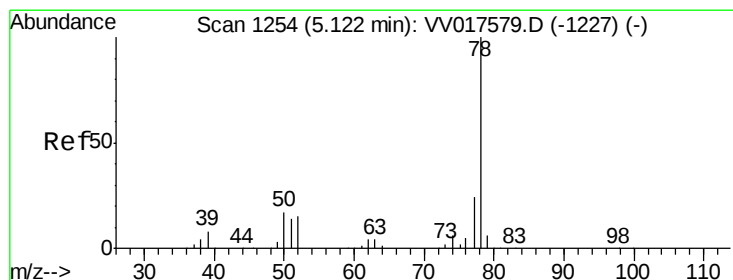
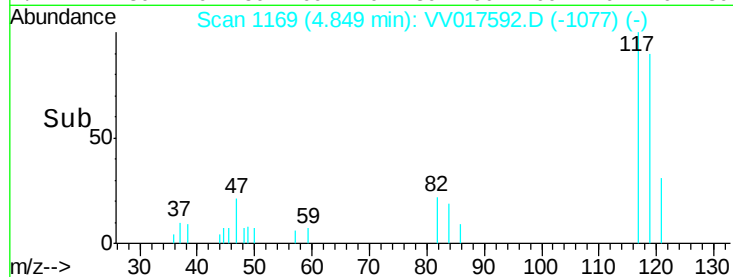
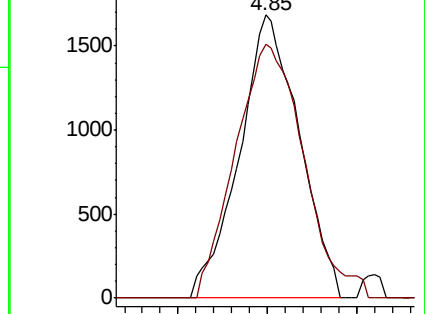
117 100

119 100.7 78.2 117.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 74.999 ug/L

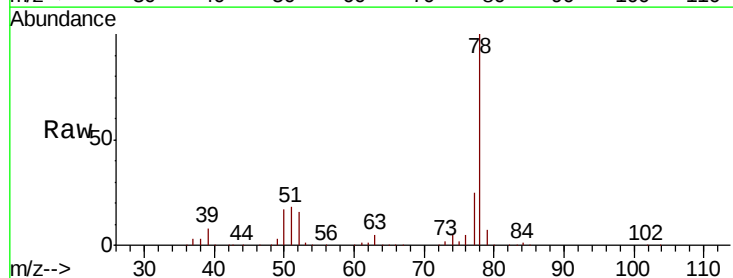
RT: 5.12 min Scan# 1253

Delta R.T. -0.00 min

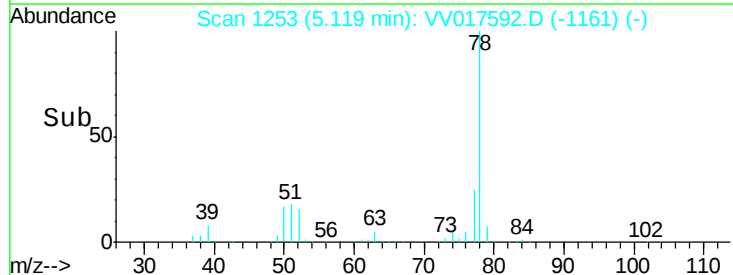
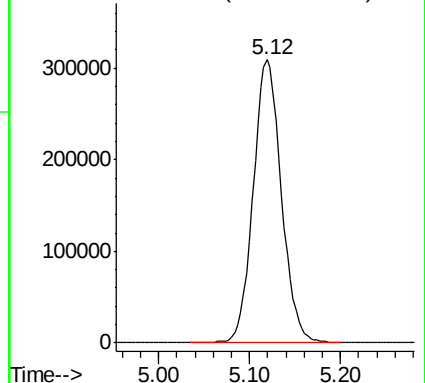
Lab File: VV017592.D

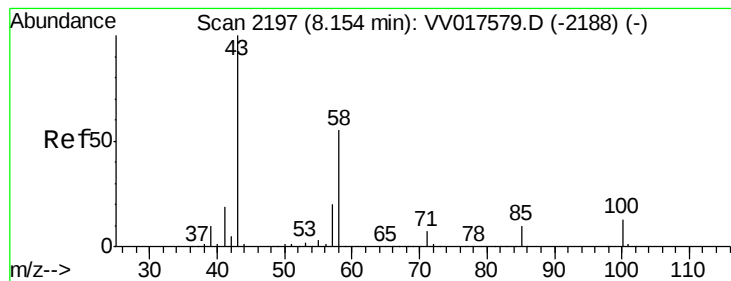
Acq: 22 Jul 2020 16:46

Tgt Ion: 78 Resp: 664160



Abundance Ion 78.00 (77.70 to 78.70): VV0





#48

2-Hexanone

Concen: 5.391 ug/L

RT: 8.10 min Scan# 2181

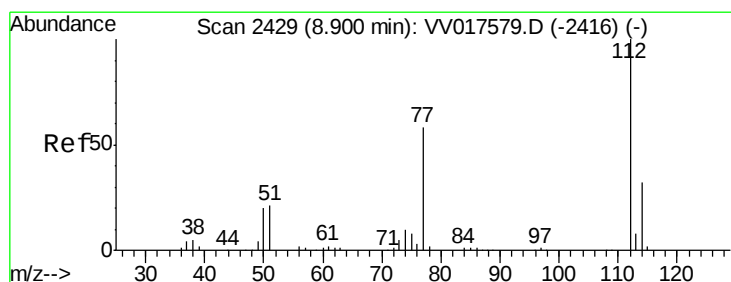
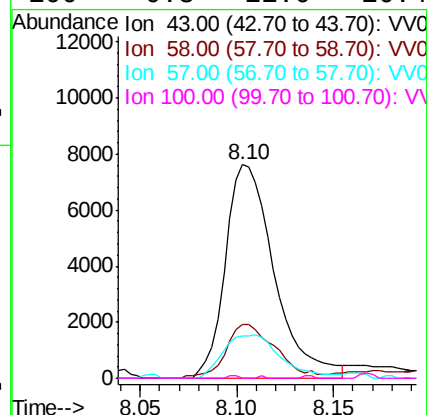
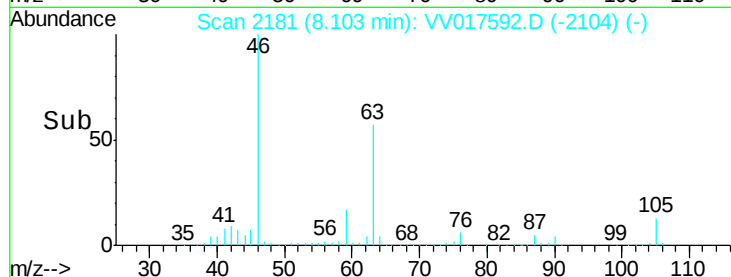
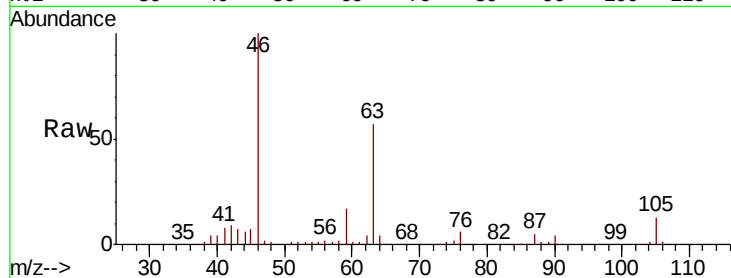
Delta R.T. -0.05 min

Lab File: VV017592.D

Acq: 22 Jul 2020 16:46

Instrument :
MSVOA_V
ClientSampleId :
C0F83

Tot Ion:	43	Resp:	13450
Ion	Ratio	Lower	Upper
43	100		
58	22.9	44.3	66.5#
57	23.9	16.9	25.3
100	0.3	11.0	16.4#



#51

Chlorobenzene

Concen: 483.582 ug/L

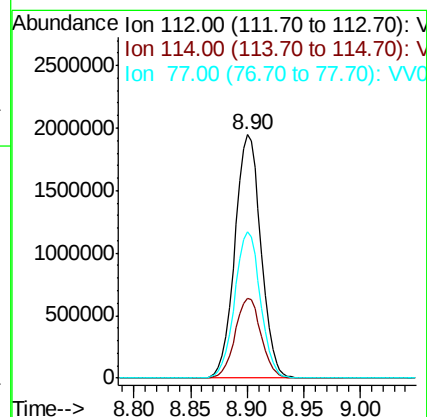
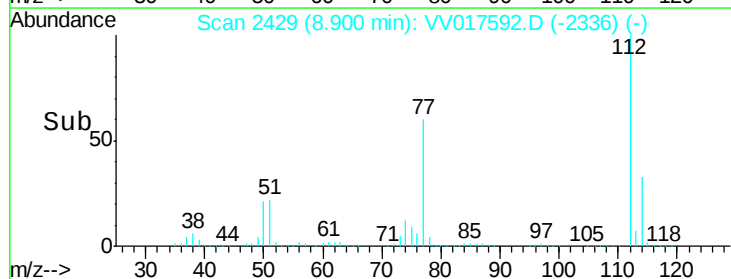
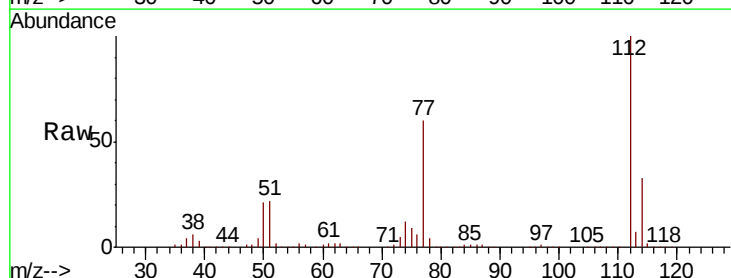
RT: 8.90 min Scan# 2429

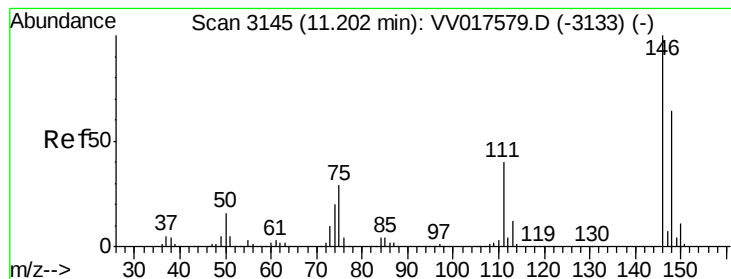
Delta R.T. -0.00 min

Lab File: VV017592.D

Acq: 22 Jul 2020 16:46

Tgt Ion:	112	Resp:	3122840
Ion	Ratio	Lower	Upper
112	100		
114	32.6	21.9	40.7
77	60.1	46.1	69.1





#62

1,3-Dichlorobenzene

Concen: 29.597 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017592.D

Acq: 22 Jul 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

C0F83

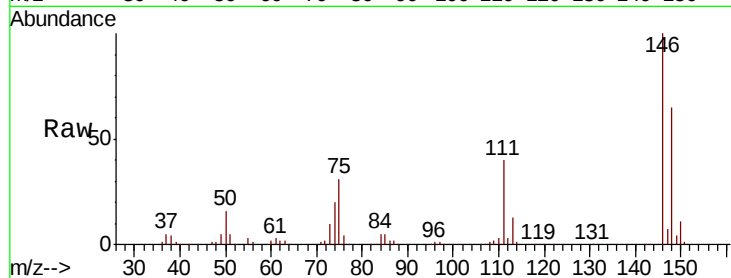
Tot Ion:146 Resp: 158536

Ion Ratio Lower Upper

146 100

111 39.7 28.2 52.4

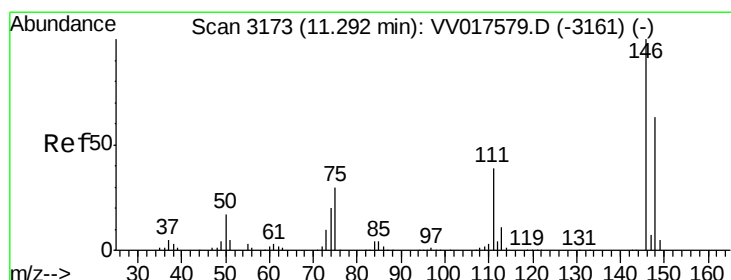
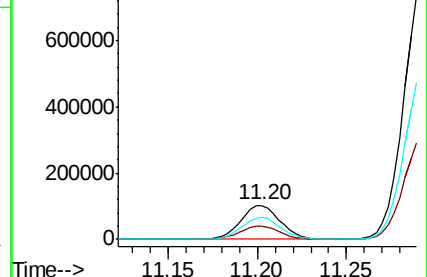
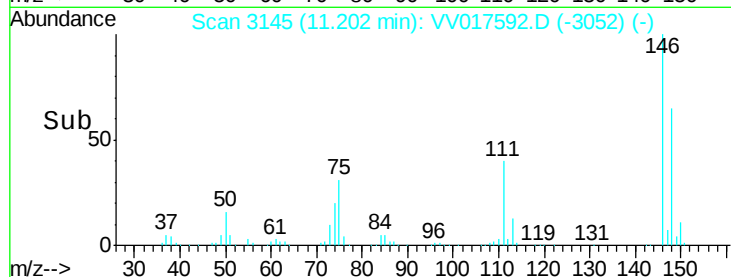
148 65.4 44.7 82.9



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: 219.565 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017592.D

Acq: 22 Jul 2020 16:46

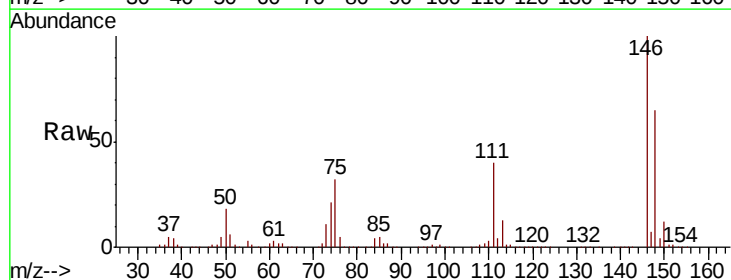
Tgt Ion:146 Resp: 1200453

Ion Ratio Lower Upper

146 100

111 39.5 27.3 50.7

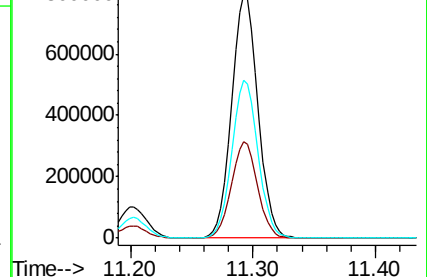
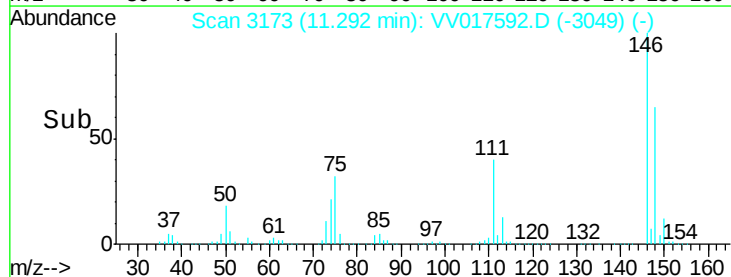
148 64.8 45.1 83.9

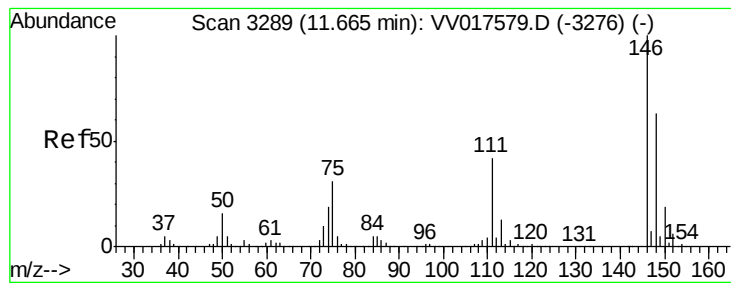


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 289.716 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017592.D

Acq: 22 Jul 2020 16:46

Instrument :

MSVOA_V

ClientSampled :

C0F83

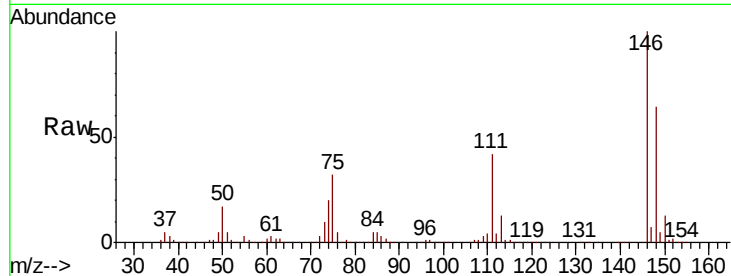
Tot Ion:146 Resp: 1573326

Ion Ratio Lower Upper

146 100

111 42.0 32.9 49.3

148 63.7 51.0 76.4

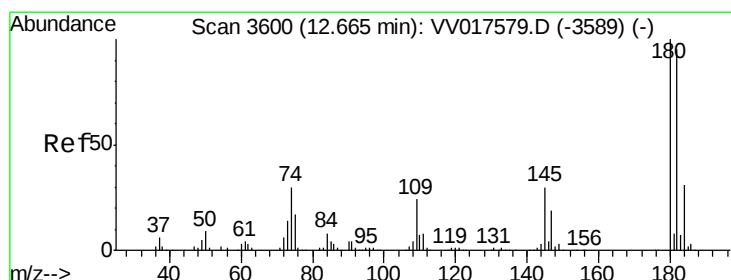
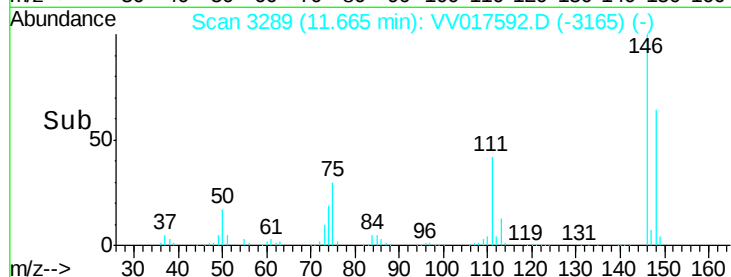
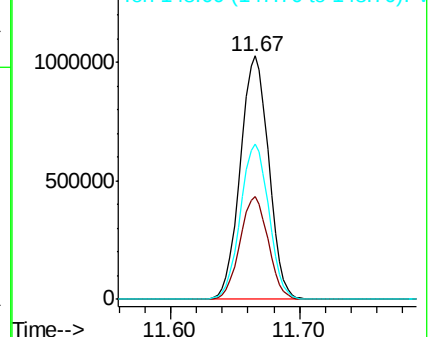


Abundance

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: 55.906 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.62 min

Lab File: VV017592.D

Acq: 22 Jul 2020 16:46

Tgt Ion:180 Resp: 236418

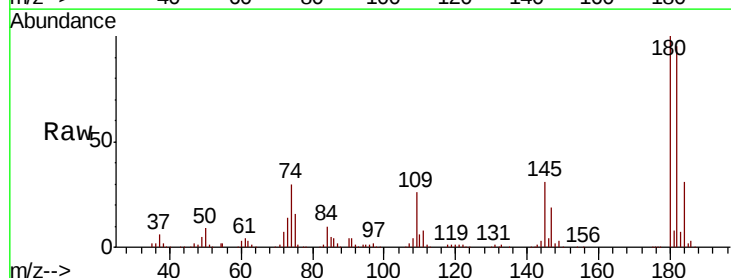
Ion Ratio Lower Upper

180 100

182 94.3 76.7 115.1

184 30.5 24.5 36.7

145 30.9 24.2 36.2



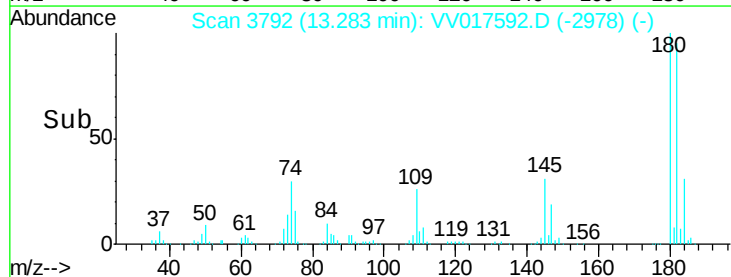
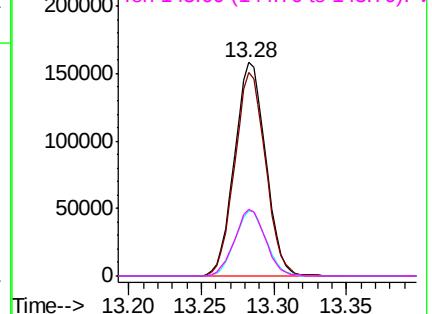
Abundance

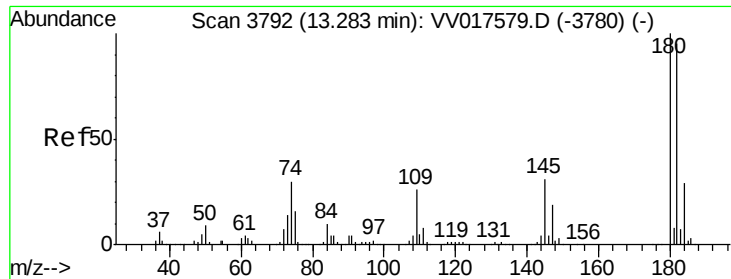
Ion 180.00 (179.70 to 180.70): V

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

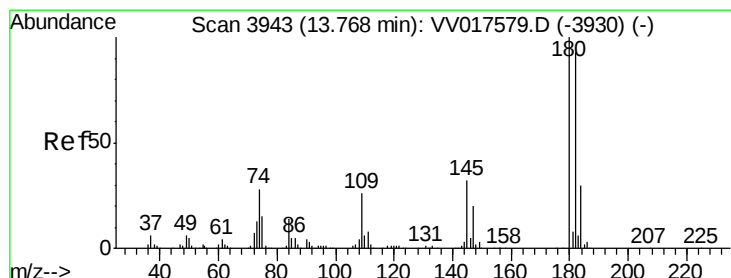
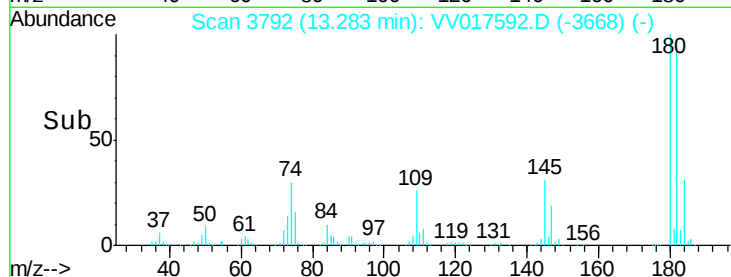
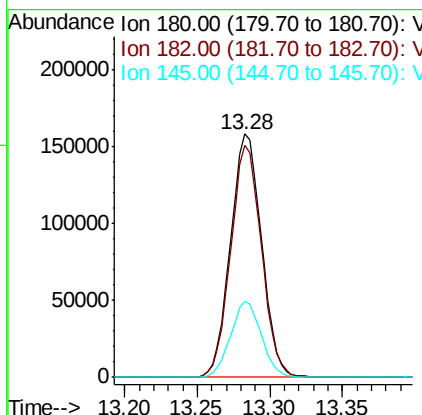
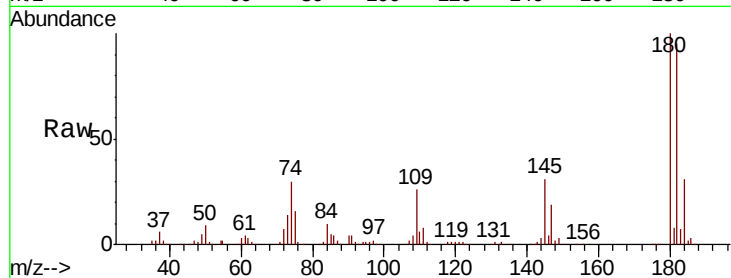




#68
 1,2,4-trichlorobenzene
 Concen: 63.033 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017592.D
 Acq: 22 Jul 2020 16:46

Instrument :
 MSVOA_V
 ClientSampled :
 C0F83

Tot Ion	180	Resp	236418
Ion Ratio	Lower	Upper	
180	100		
182	94.3	76.2	114.4
145	30.9	24.1	36.1



#70
 1,2,3-Trichlorobenzene
 Concen: 15.131 ug/L
 RT: 13.76 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VV017592.D
 Acq: 22 Jul 2020 16:46

Tgt Ion	180	Resp	56767
Ion Ratio	Lower	Upper	
180	100		
182	99.5	75.8	113.8
145	33.8	25.5	38.3

