

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051820\
 Data File : VV016106.D
 Acq On : 18 May 2020 16:59
 Operator : SY/MD
 Sample : L2655-03DL 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0F21DL

Quant Time: May 19 06:16:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM051820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 19 04:04:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	316187	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	312350	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	151444	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	104748	45.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.88%
7) Chloroethane-d5	1.58	69	95967	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.88%
11) 1,1-Dichloroethene-d2	2.13	63	154583	35.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.70%
21) 2-Butanone-d5	3.93	46	144084	104.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.77%
24) Chloroform-d	4.38	84	192204	44.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.06%
26) 1,2-Dichloroethane-d4	5.06	65	150376	50.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.22%
32) Benzene-d6	5.08	84	413409	48.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.54%
36) 1,2-Dichloropropane-d6	6.10	67	130631	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.42%
41) Toluene-d8	7.34	98	379604	47.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.98%
43) trans-1,3-Dichloropropene-	7.64	79	62351	45.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.76%
47) 2-Hexanone-d5	8.12	63	94775	107.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.43%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	163644	47.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.98%
64) 1,2-Dichlorobenzene-d4	11.65	152	148162	49.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.94%

Target Compounds

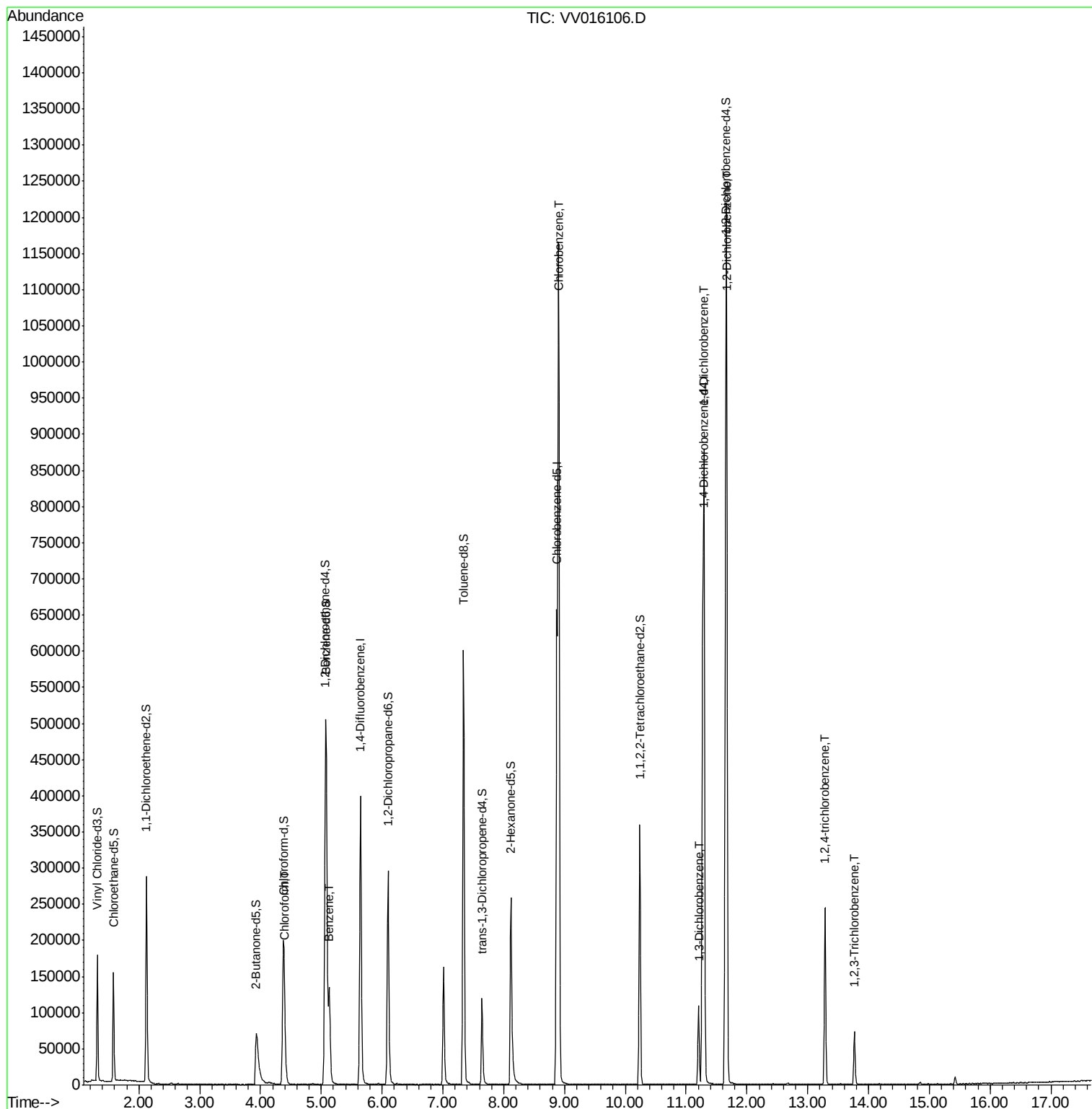
					Ovalue
25) Chloroform	4.41	83	21825	4.954	ug/L 100
33) Benzene	5.13	78	129331	14.534	ug/L 100
51) Chlorobenzene	8.90	112	554164	88.916	ug/L 99
62) 1,3-Dichlorobenzene	11.21	146	39617	8.422	ug/L 98
63) 1,4-Dichlorobenzene	11.30	146	303060	63.007	ug/L 98
65) 1,2-Dichlorobenzene	11.67	146	393915	82.958	ug/L 99
68) 1,2,4-trichlorobenzene	13.29	180	65785	22.554	ug/L 98
70) 1,2,3-Trichlorobenzene	13.77	180	19753	6.683	ug/L 98

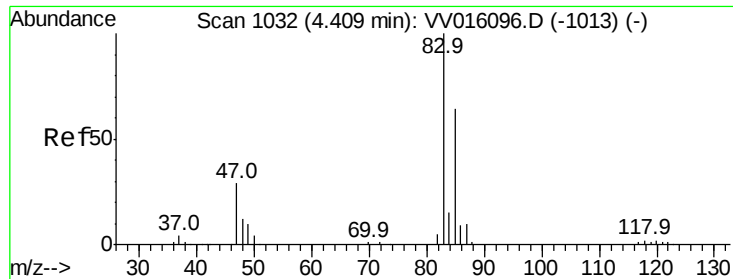
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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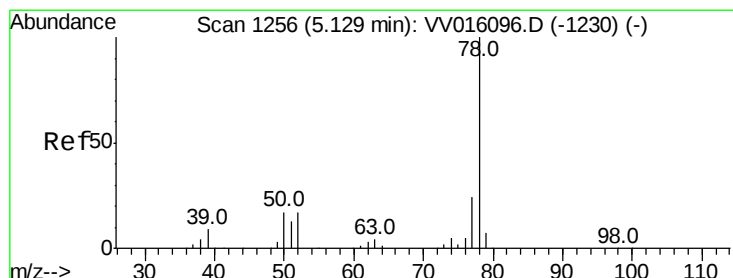
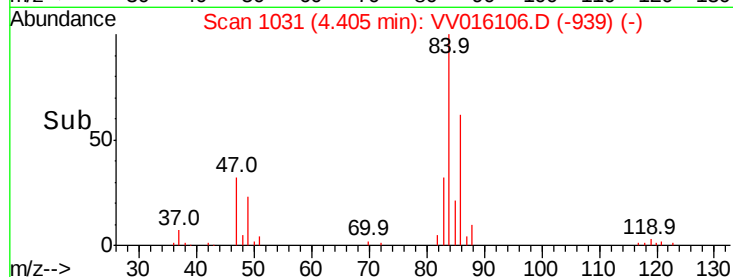
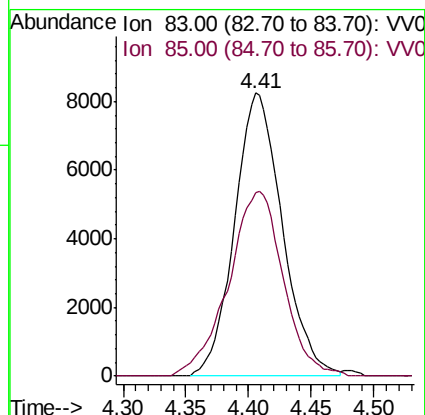
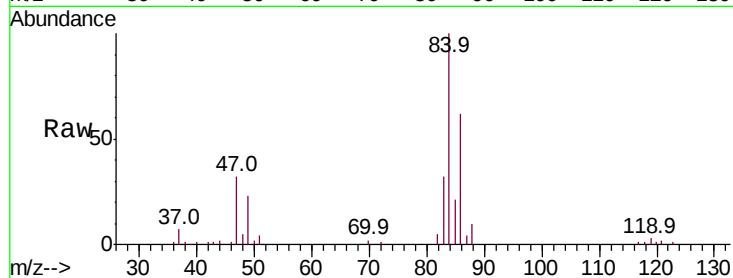




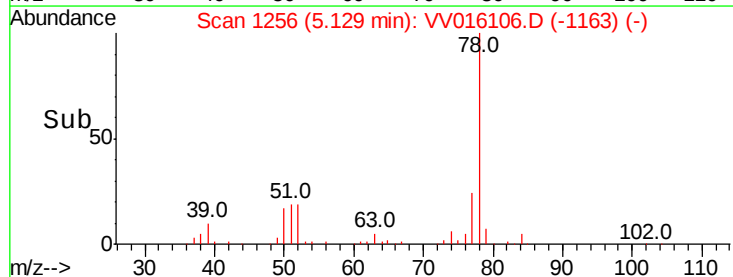
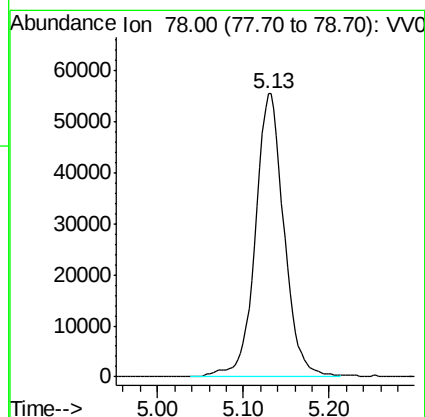
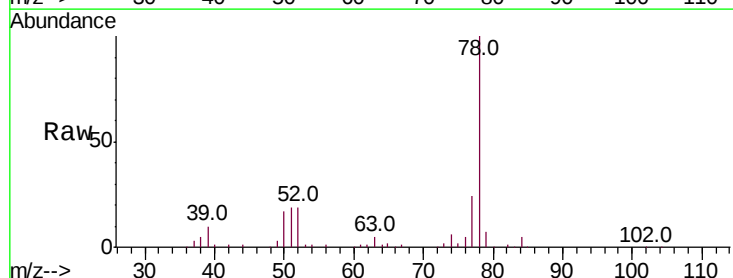
#25
Chloroform
Concen: 4.954 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV016106.D
Acq: 18 May 2020 16:59

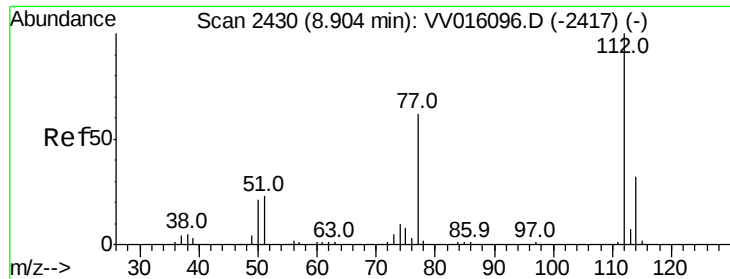
Instrument :
MSVOA_V
ClientSampleId :
C0F21DL

Tot Ion: 83 Resp: 21825
Ion Ratio Lower Upper
83 100
85 64.6 45.1 83.9



#33
Benzene
Concen: 14.534 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VV016106.D
Acq: 18 May 2020 16:59
Tgt Ion: 78 Resp: 129331





#51

Chlorobenzene

Concen: 88.916 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV016106.D

Acq: 18 May 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

C0F21DL

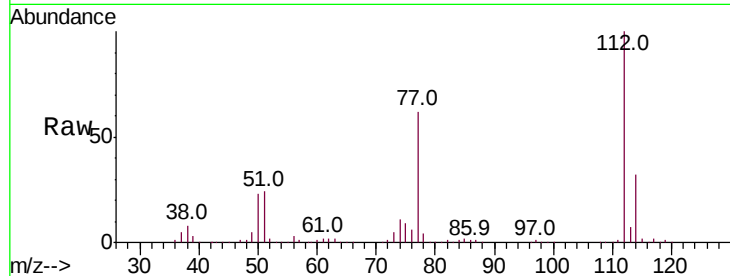
Tot Ion:112 Resp: 554164

Ion Ratio Lower Upper

112 100

114 31.9 22.5 41.9

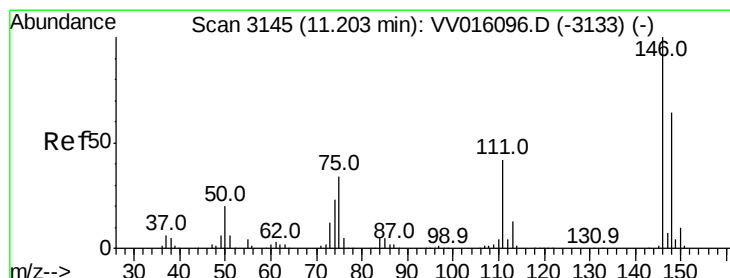
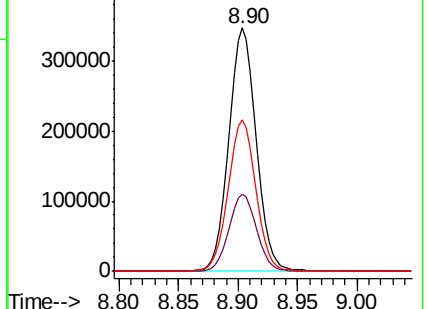
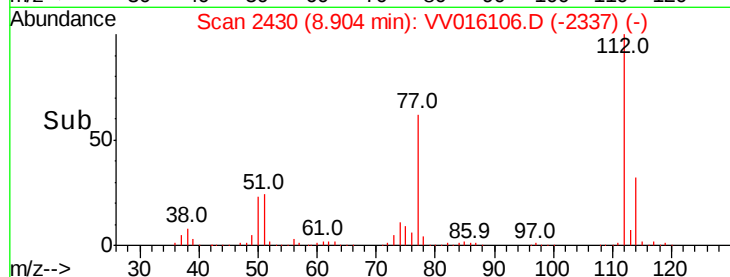
77 62.0 50.4 75.6



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: 8.422 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV016106.D

Acq: 18 May 2020 16:59

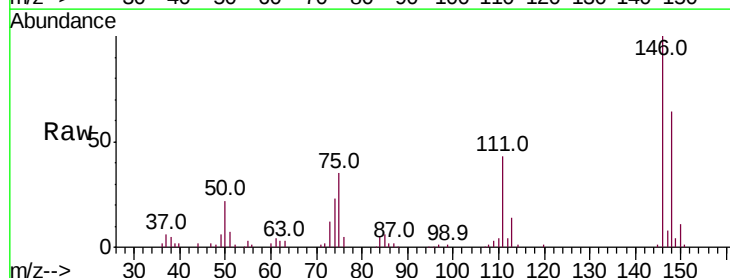
Tgt Ion:146 Resp: 39617

Ion Ratio Lower Upper

146 100

111 43.1 29.1 54.1

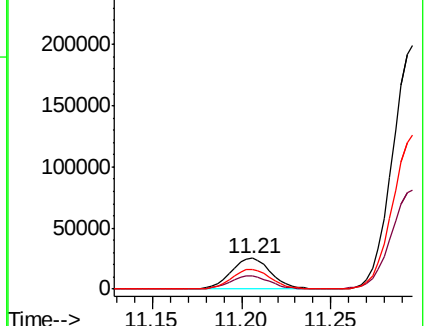
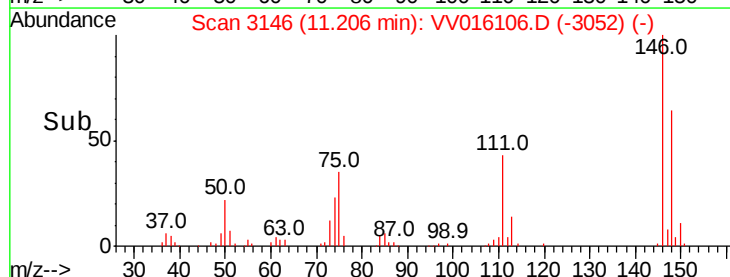
148 64.5 44.5 82.7

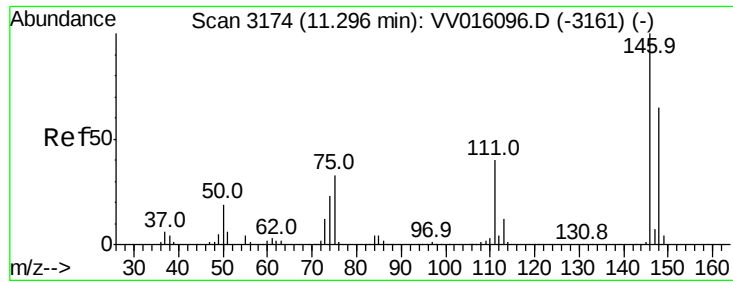


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 63.007 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016106.D

Acq: 18 May 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

C0F21DL

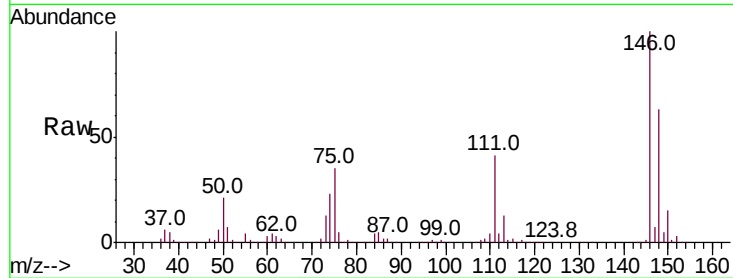
Tot Ion:146 Resp: 303060

Ion Ratio Lower Upper

146 100

111 40.7 28.1 52.3

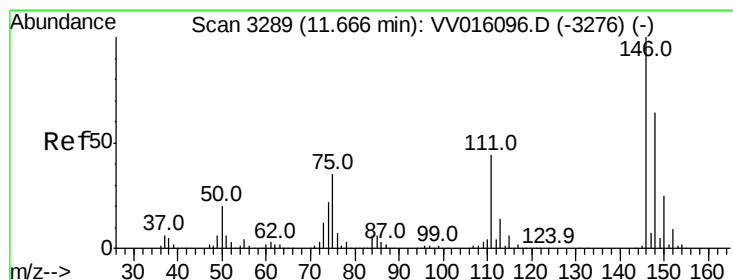
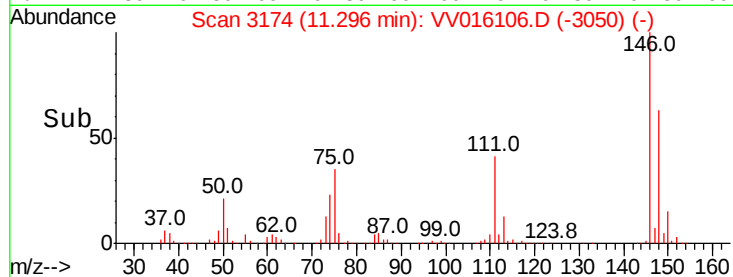
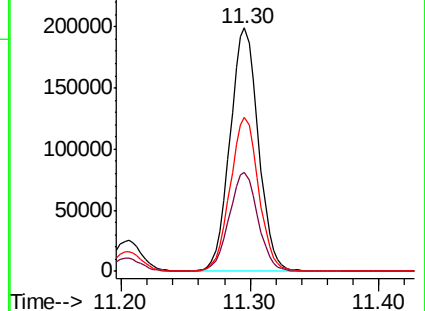
148 63.2 45.7 84.9



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: 82.958 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV016106.D

Acq: 18 May 2020 16:59

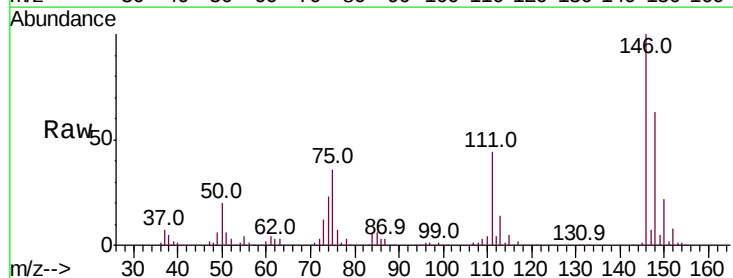
Tgt Ion:146 Resp: 393915

Ion Ratio Lower Upper

146 100

111 44.4 35.2 52.8

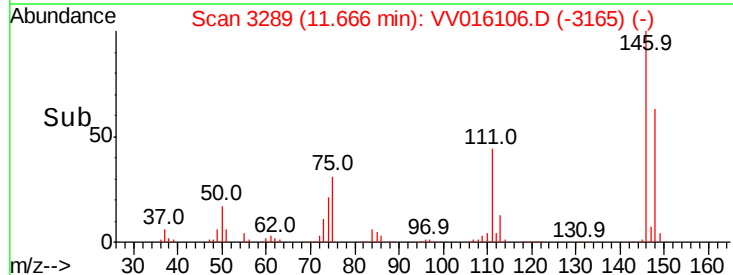
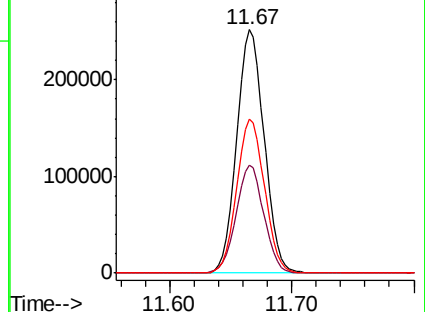
148 63.3 51.4 77.2

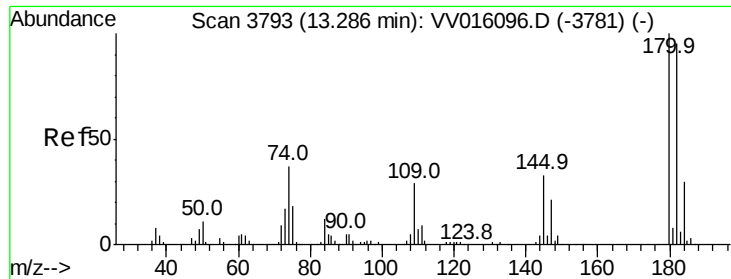


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

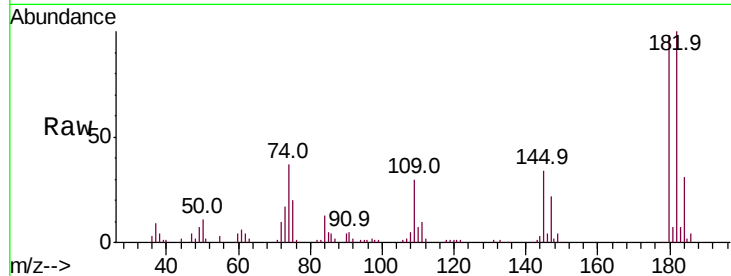




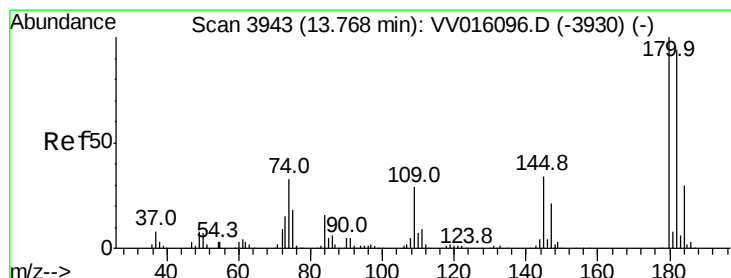
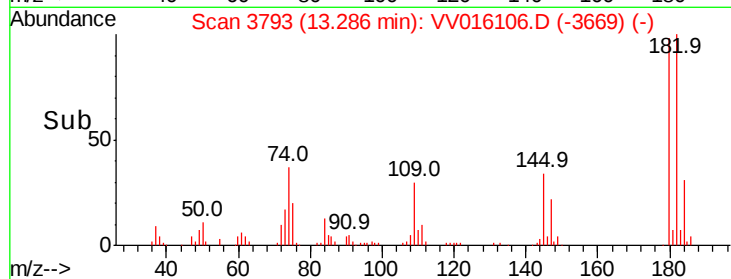
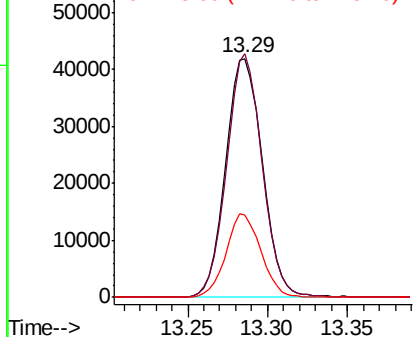
#68
 1,2,4-trichlorobenzene
 Concen: 22.554 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016106.D
 Acq: 18 May 2020 16:59

Instrument :
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Tot Ion:180 Resp: 65785
 Ion Ratio Lower Upper
 180 100
 182 97.9 76.2 114.4
 145 32.9 26.2 39.2

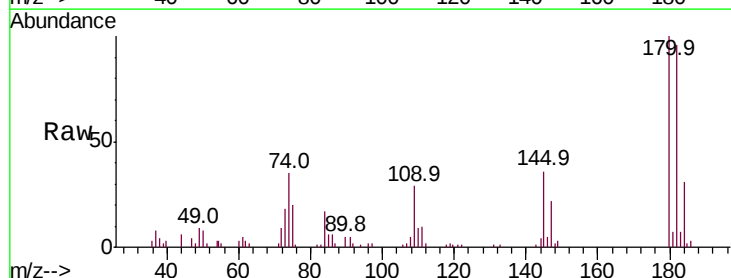


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 6.683 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV016106.D
 Acq: 18 May 2020 16:59

Tgt Ion:180 Resp: 19753
 Ion Ratio Lower Upper
 180 100
 182 96.4 75.3 112.9
 145 35.3 27.4 41.0



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

