

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV093020\
 Data File : VV018559.D
 Acq On : 30 Sep 2020 11:09
 Operator : SY/MD
 Sample : L4141-05 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FG6

Quant Time: Oct 01 07:40:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 01 07:39:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	347040	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	338840	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	177609	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	90048	44.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.48%
7) Chloroethane-d5	1.58	69	88992	52.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.76%
11) 1,1-Dichloroethene-d2	2.12	63	152554	36.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.58%
21) 2-Butanone-d5	3.92	46	149409	98.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.41%
24) Chloroform-d	4.38	84	201561	45.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.06	65	136329	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.58%
32) Benzene-d6	5.08	84	408140	47.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.10%
36) 1,2-Dichloropropane-d6	6.09	67	126800	48.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.80%
41) Toluene-d8	7.34	98	377034	46.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.38%
43) trans-1,3-Dichloropropene-	7.64	79	63925	45.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.26%
47) 2-Hexanone-d5	8.11	63	93144	94.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.56%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	159077	46.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.54%
64) 1,2-Dichlorobenzene-d4	11.65	152	172565	50.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.04%

Target Compounds

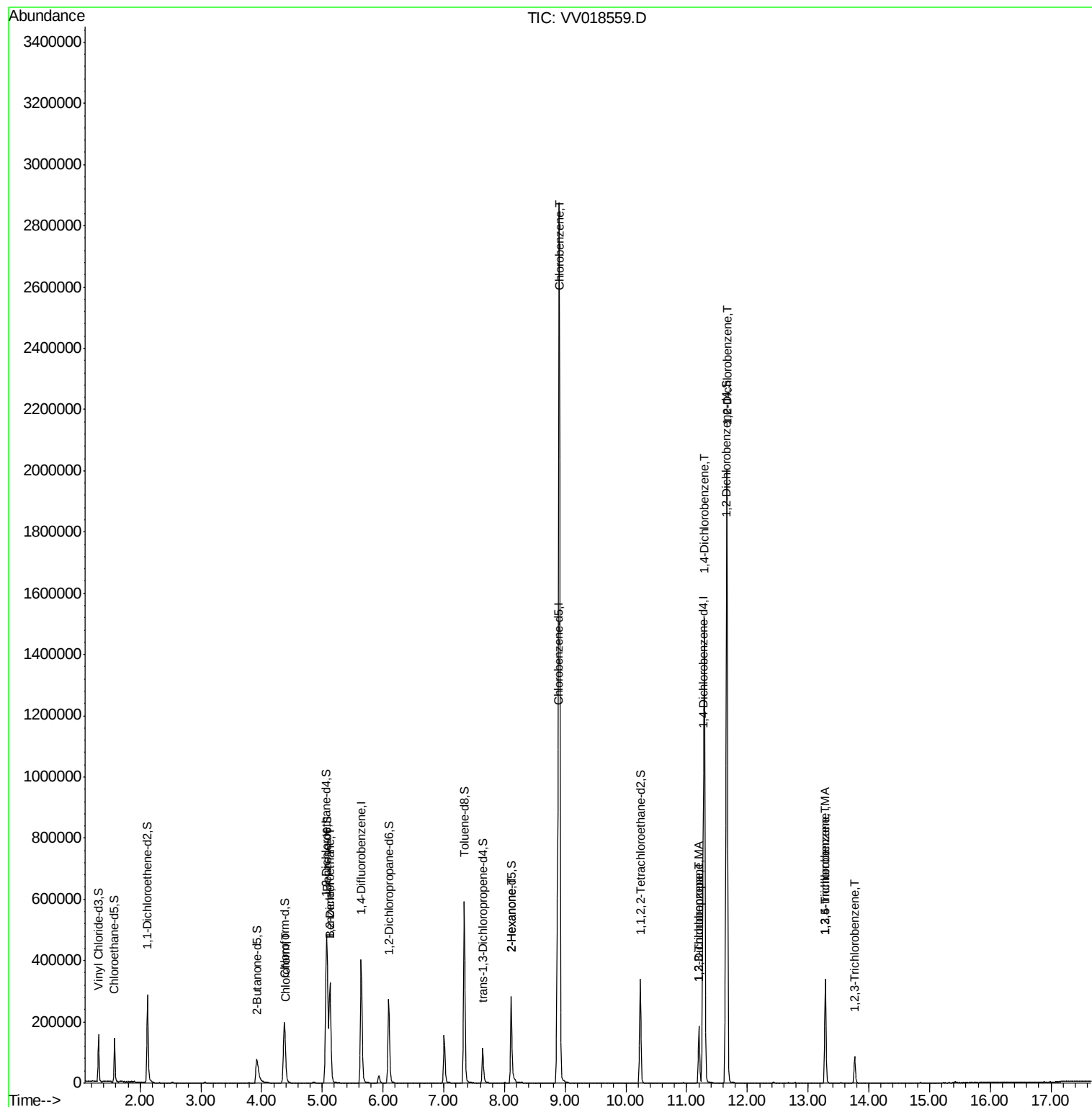
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	4.40	83	5797	1.265	ug/L	96
27) 1,2-Dichloroethane	5.13	62	3767	1.055	ug/L #	74
33) Benzene	5.13	78	327879	32.937	ug/L	100
48) 2-Hexanone	8.11	43	12454	4.843	ug/L #	70
51) Chlorobenzene	8.90	112	1483894	203.686	ug/L	98
59) 1,2,3-Trichloropropane	11.20	75	21137	6.804	ug/L #	45
62) 1,3-Dichlorobenzene	11.20	146	74609	12.980	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	582756	98.456	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	743564	130.762	ug/L	99
67) 1,3,5-Trichlorobenzene	13.29	180	105328	26.454	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	105328	28.429	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	26624	7.158	ug/L	99

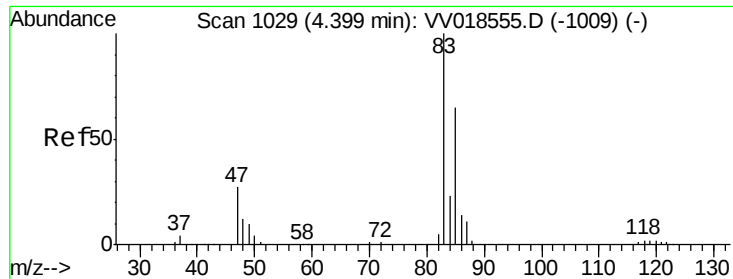
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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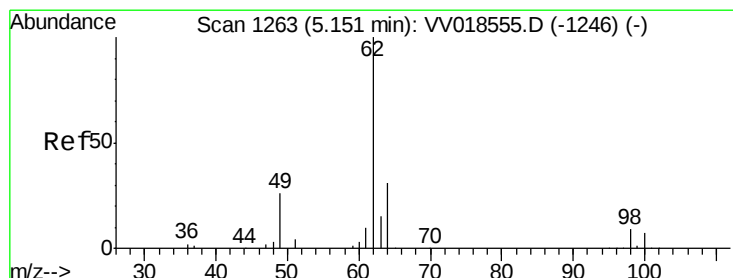
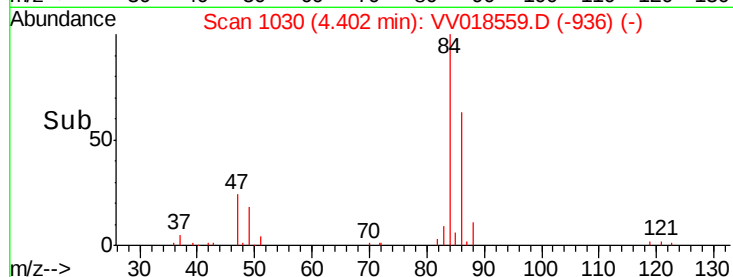
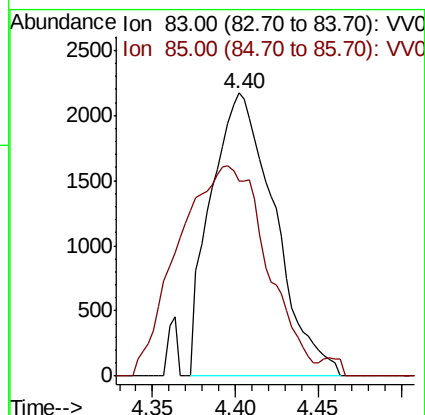
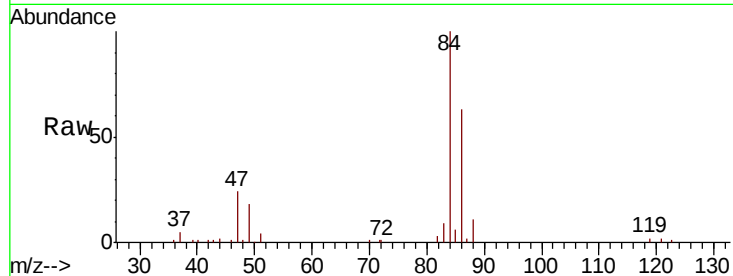




#25
Chloroform
Concen: 1.265 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018559.D
Acq: 30 Sep 2020 11:09

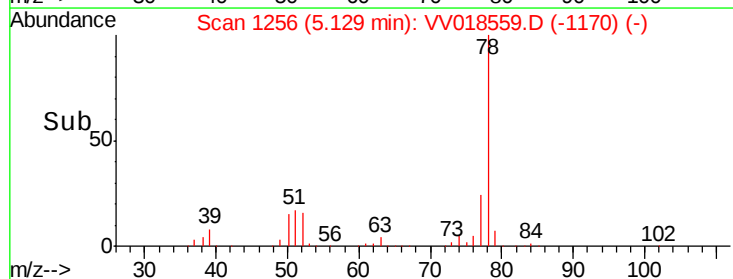
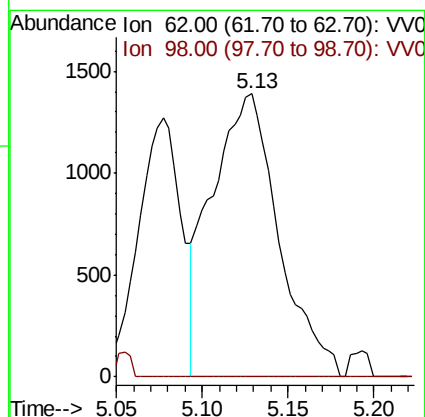
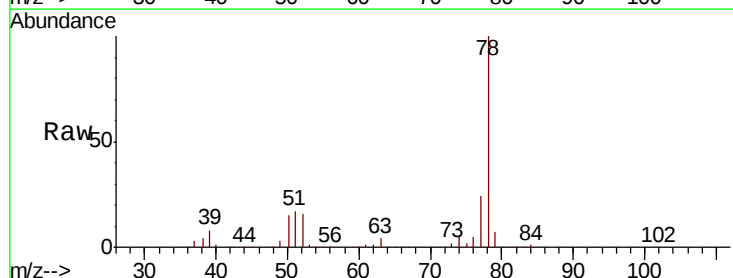
Instrument :
MSVOA_V
ClientSampleId :
C0FG6

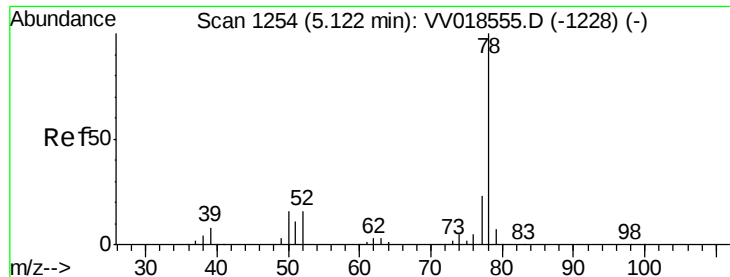
Tot Ion: 83 Resp: 5797
Ion Ratio Lower Upper
83 100
85 69.0 46.2 85.8



#27
1,2-Dichloroethane
Concen: 1.055 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. -0.02 min
Lab File: VV018559.D
Acq: 30 Sep 2020 11:09

Tgt Ion: 62 Resp: 3767
Ion Ratio Lower Upper
62 100
98 0.0 7.7 11.5#





#33

Benzene

Concen: 32.937 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV018559.D

Acq: 30 Sep 2020 11:09

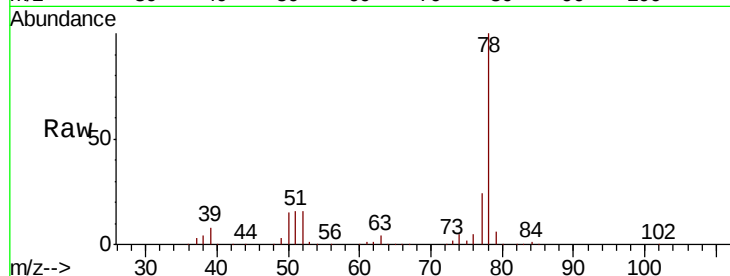
Instrument :

MSVOA_V

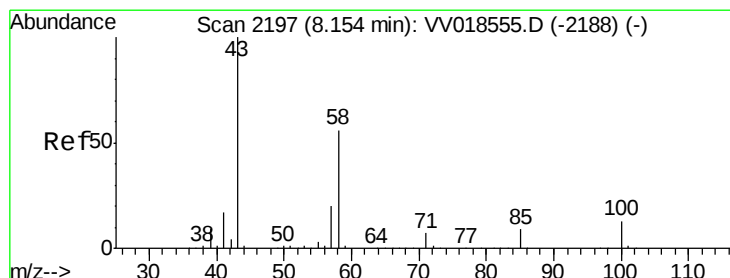
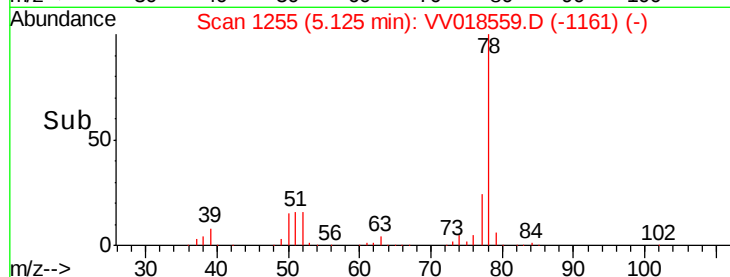
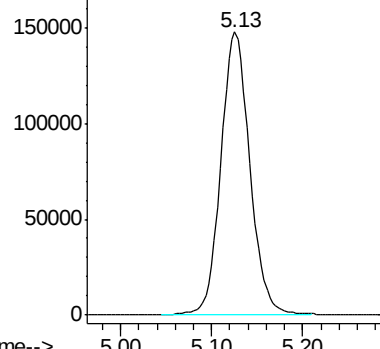
ClientSampleId :

C0FG6

Tgt Ion: 78 Resp: 327879



Abundance Ion 78.00 (77.70 to 78.70): VV0



#48

2-Hexanone

Concen: 4.843 ug/L

RT: 8.11 min Scan# 2183

Delta R.T. -0.04 min

Lab File: VV018559.D

Acq: 30 Sep 2020 11:09

Tgt Ion: 43 Resp: 12454

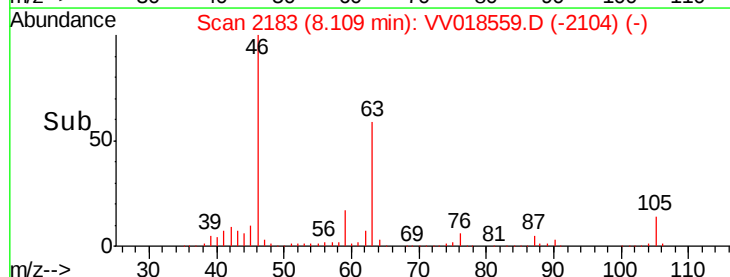
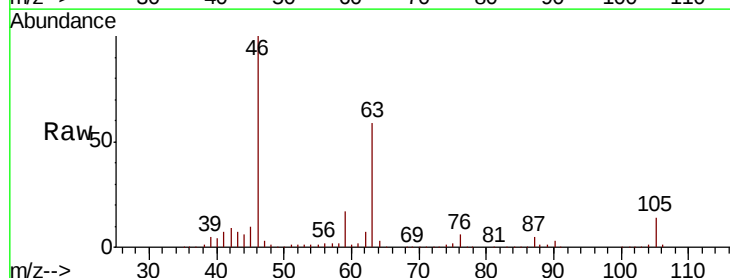
Ion	Ratio	Lower	Upper
43	100		
58	30.3	45.1	67.7#
57	25.0	15.7	23.5#
100	0.5	11.0	16.4#

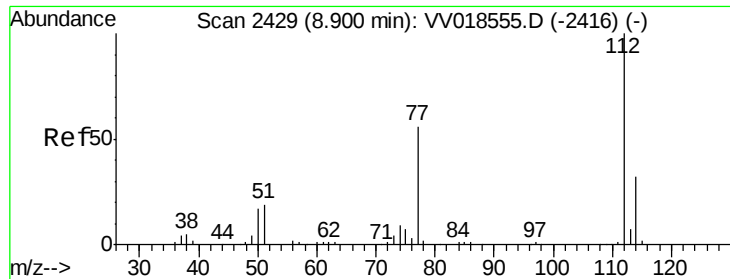
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 203.686 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV018559.D

Acq: 30 Sep 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

C0FG6

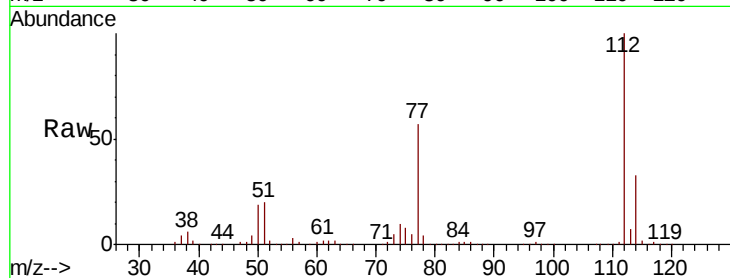
Tot Ion:112 Resp: 1483894

Ion Ratio Lower Upper

112 100

114 32.6 22.4 41.6

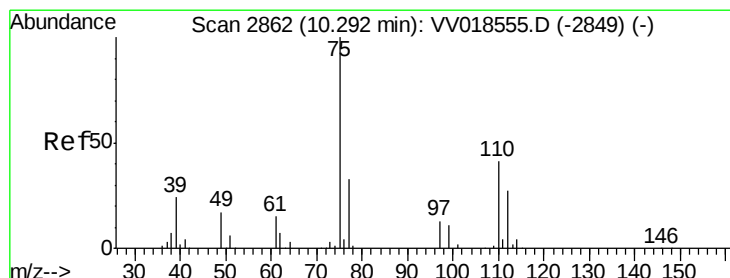
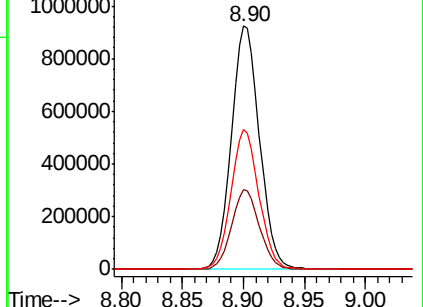
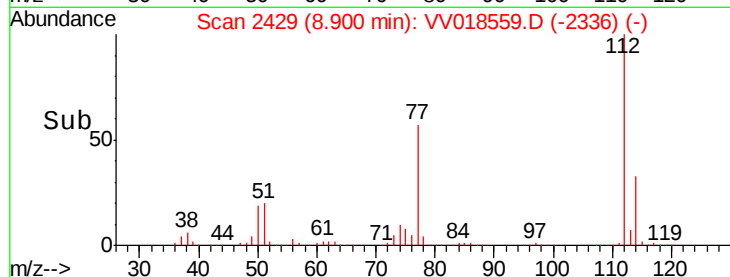
77 57.3 44.8 67.2



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



#59

1,2,3-Trichloropropane

Concen: 6.804 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.91 min

Lab File: VV018559.D

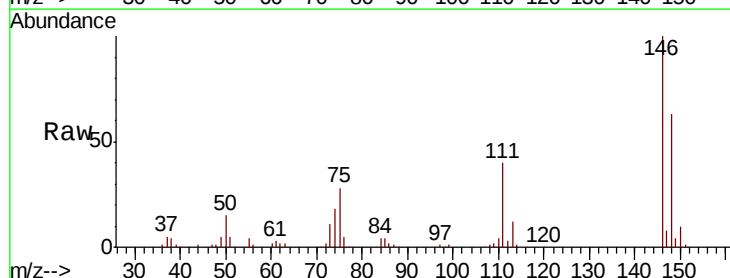
Acq: 30 Sep 2020 11:09

Tgt Ion: 75 Resp: 21137

Ion Ratio Lower Upper

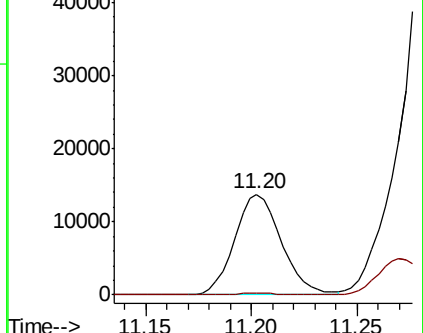
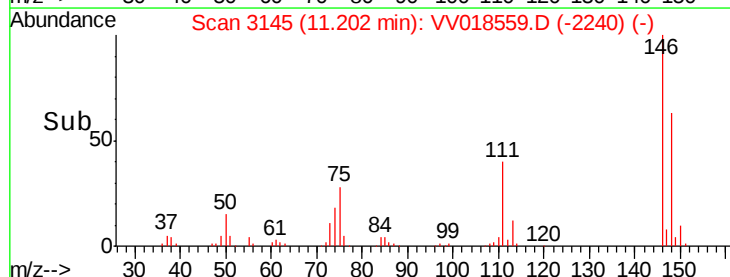
75 100

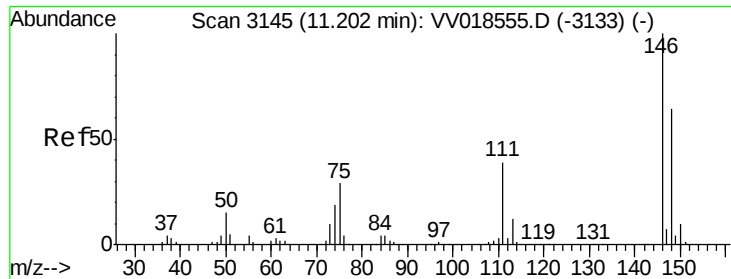
77 1.0 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

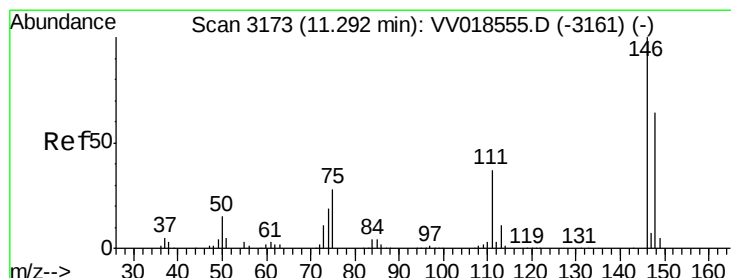
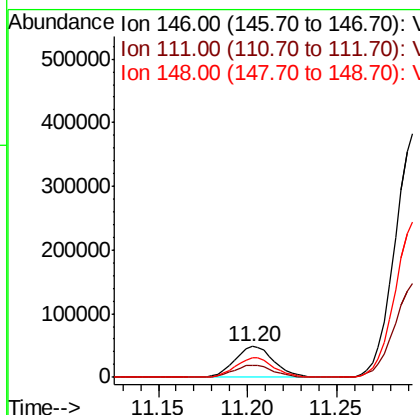
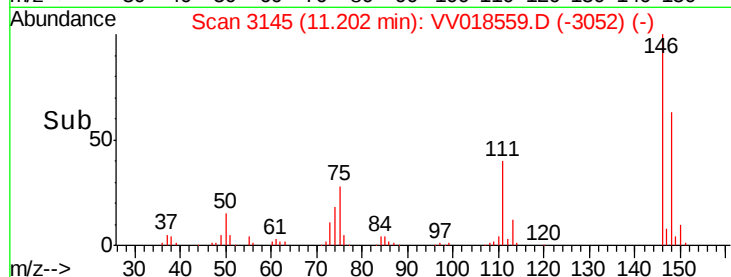
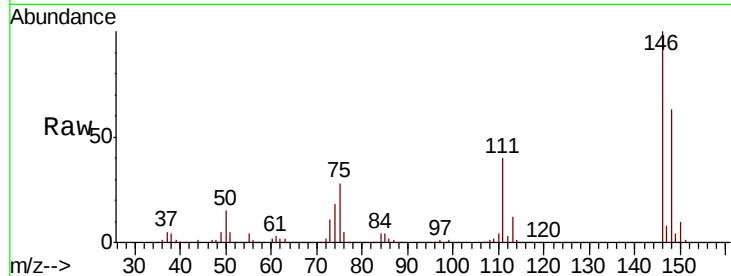




#62
 1,3-Dichlorobenzene
 Concen: 12.980 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV018559.D
 Acq: 30 Sep 2020 11:09

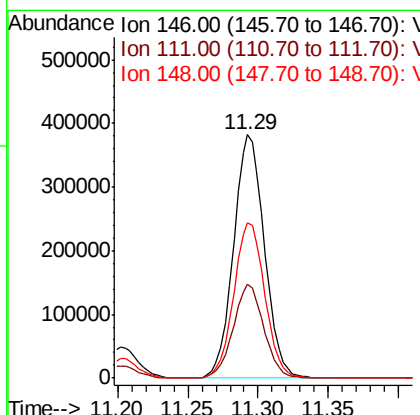
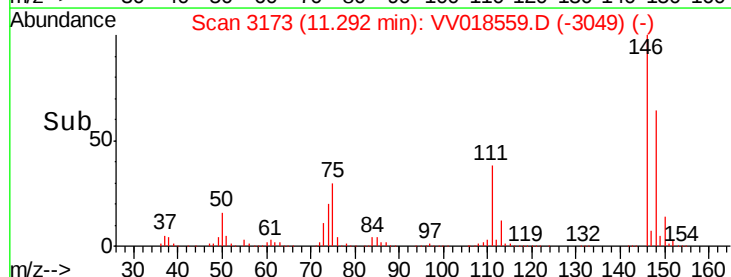
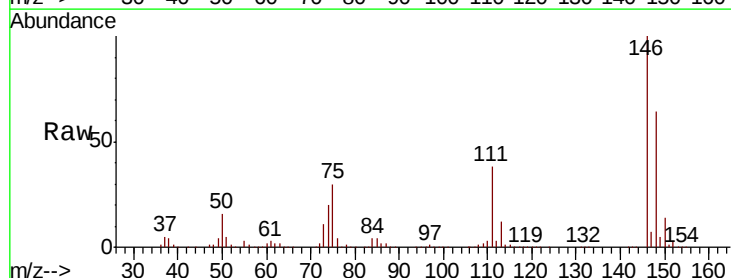
Instrument :
 MSVOA_V
 ClientSampled :
 C0FG6

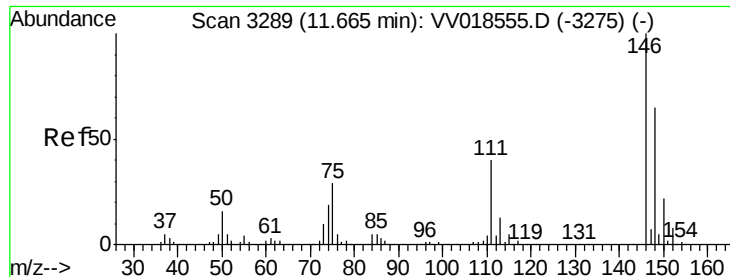
Tot Ion:146 Resp: 74609
 Ion Ratio Lower Upper
 146 100
 111 40.3 26.8 49.8
 148 62.8 44.0 81.8



#63
 1,4-Dichlorobenzene
 Concen: 98.456 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV018559.D
 Acq: 30 Sep 2020 11:09

Tgt Ion:146 Resp: 582756
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.2 48.6
 148 64.0 44.4 82.5





#65

1,2-Dichlorobenzene

Concen: 130.762 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018559.D

Acq: 30 Sep 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

C0FG6

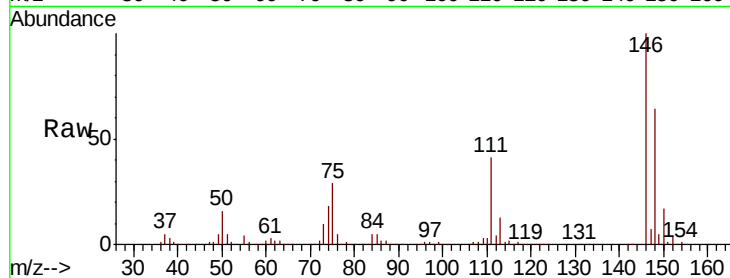
Tot Ion:146 Resp: 743564

Ion Ratio Lower Upper

146 100

111 40.9 32.8 49.2

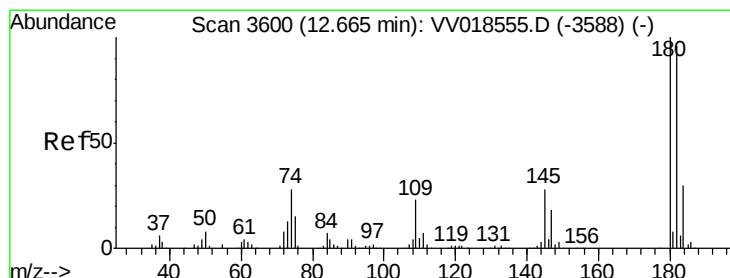
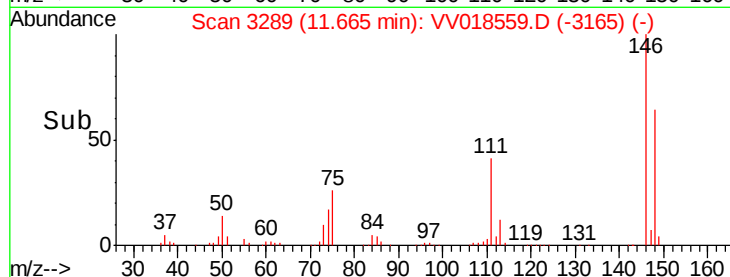
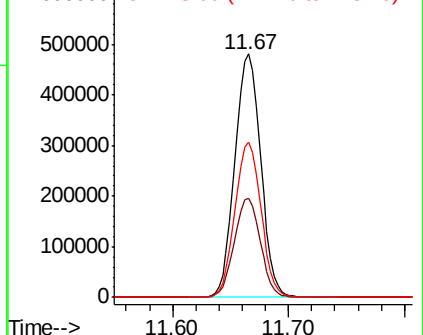
148 63.6 51.9 77.9



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: 26.454 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.62 min

Lab File: VV018559.D

Acq: 30 Sep 2020 11:09

Tgt Ion:180 Resp: 105328

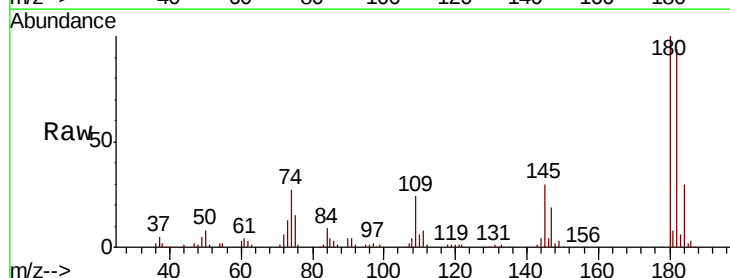
Ion Ratio Lower Upper

180 100

182 95.0 77.1 115.7

184 29.6 24.3 36.5

145 29.8 22.9 34.3

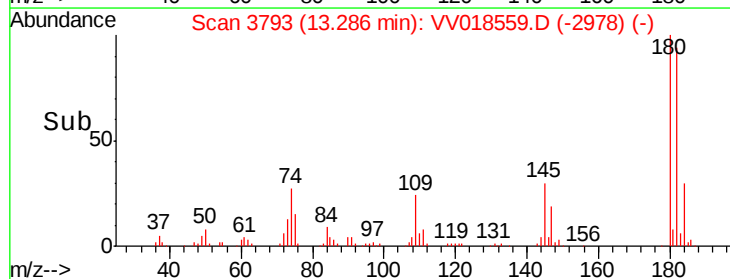
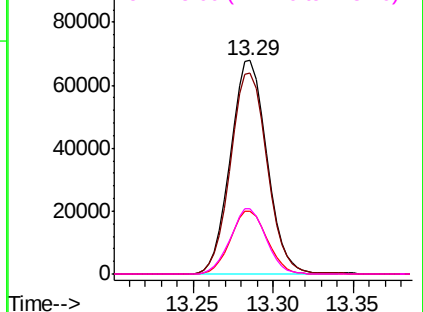


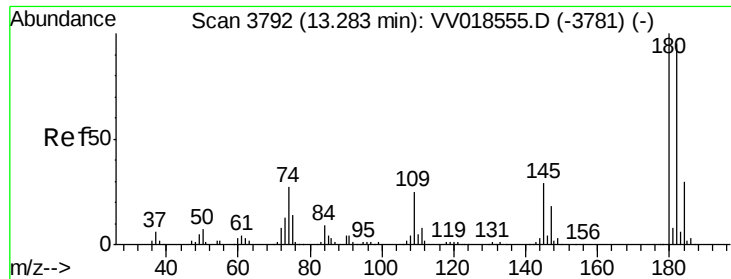
Abundance Ion 180.00 (179.70 to 180.70): V

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

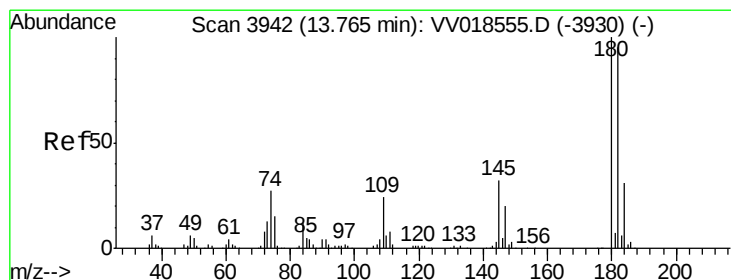
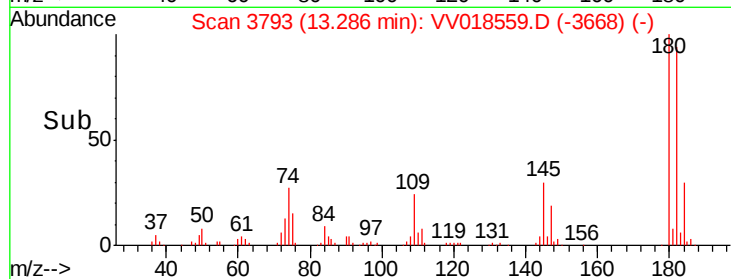
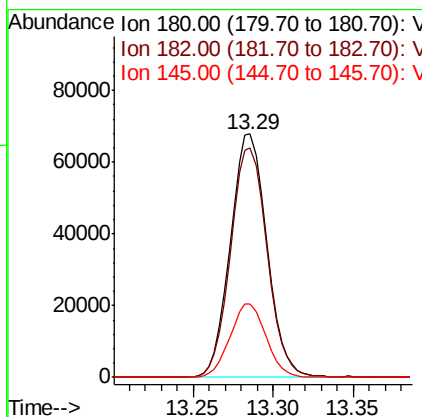
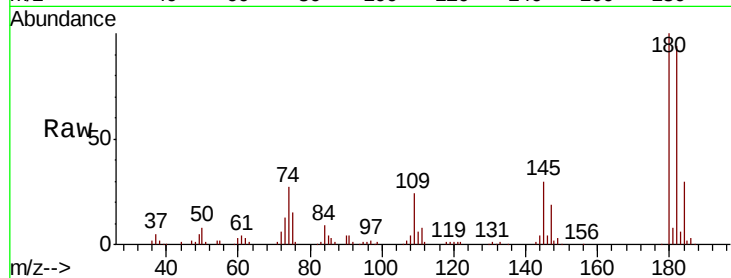




#68
 1,2,4-trichlorobenzene
 Concen: 28.429 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018559.D
 Acq: 30 Sep 2020 11:09

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FG6

Tot Ion:180 Resp: 105328
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.3 114.5
 145 29.8 23.6 35.4



#70
 1,2,3-Trichlorobenzene
 Concen: 7.158 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV018559.D
 Acq: 30 Sep 2020 11:09

Tgt Ion:180 Resp: 26624
 Ion Ratio Lower Upper
 180 100
 182 97.1 77.1 115.7
 145 31.6 25.1 37.7

