

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042321\
 Data File : VV021124.D
 Acq On : 23 Apr 2021 17:02
 Operator : SY/MD
 Sample : M2144-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 24 03:45:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM042121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 24 03:42:40 2021
 Response via : Initial Calibration

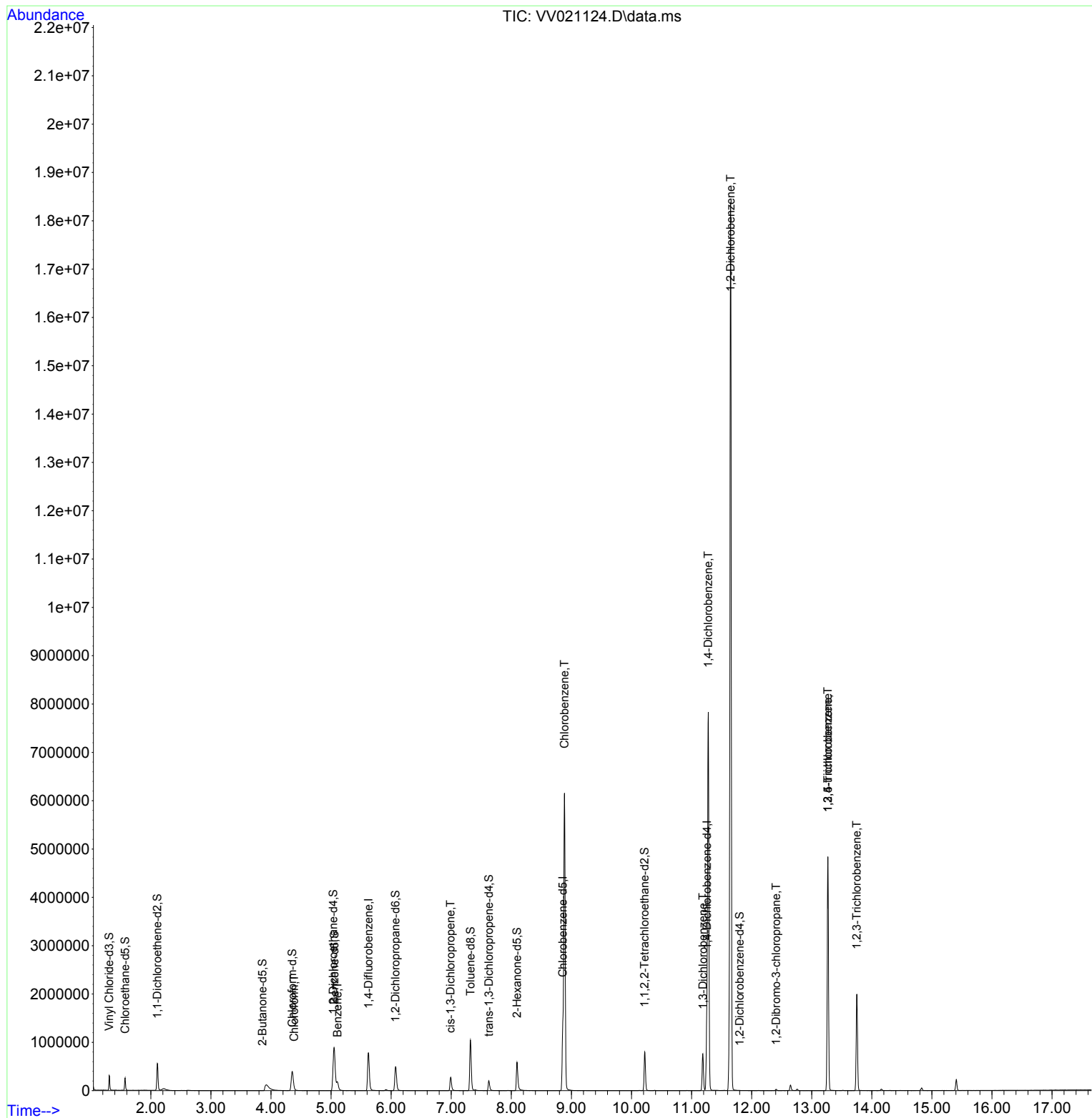
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	685423	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	690840	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	377037	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	193533	34.36	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	68.72%	
7) Chloroethane-d5	1.571	69	153370	37.02	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	74.04%	
11) 1,1-Dichloroethene-d2	2.108	63	292923	28.20	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	56.40%#	
21) 2-Butanone-d5	3.857	46	104	0.04	ug/L	-0.04
Spiked Amount	100.000	Range 40 - 130	Recovery	=	0.04%#	
24) Chloroform-d	4.352	84	409453	40.78	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	81.56%	
26) 1,2-Dichloroethane-d4	5.037	65	286859	44.94	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	89.88%	
32) Benzene-d6	5.053	84	742477	40.35	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	80.70%	
36) 1,2-Dichloropropane-d6	6.072	67	231801	42.21	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	84.42%	
41) Toluene-d8	7.320	98	692397	38.88	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	77.76%#	
43) trans-1,3-Dichloroprop...	7.625	79	120498	40.15	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	80.30%	
47) 2-Hexanone-d5	8.095	63	218021	100.09	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	100.09%	
56) 1,1,2,2-Tetrachloroeth...	10.220	84	344773	41.62	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	83.24%	
66) 1,2-Dichlorobenzene-d4	11.802	152	51	0.01	ug/L	0.17
Spiked Amount	50.000	Range 80 - 120	Recovery	=	0.02%#	
Target Compounds						
25) Chloroform	4.384	83	8876	0.93	ug/L	93
33) Benzene	5.105	78	185695	9.64	ug/L	100
39) cis-1,3-Dichloropropene	6.989	75	7764	1.01	ug/L #	61
51) Chlorobenzene	8.886	112	3221374	221.55	ug/L	98
64) 1,3-Dichlorobenzene	11.188	146	310260	27.63	ug/L	98
65) 1,4-Dichlorobenzene	11.278	146	3034504	263.07	ug/L	100
67) 1,2-Dichlorobenzene	11.651	146	7013054	605.09	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.410	75	4631	2.43	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.268	180	1396741	159.95	ug/L	99
70) 1,2,4-trichlorobenzene	13.268	180	1396741	195.15	ug/L	99
72) 1,2,3-Trichlorobenzene	13.751	180	590369	80.84	ug/L	100

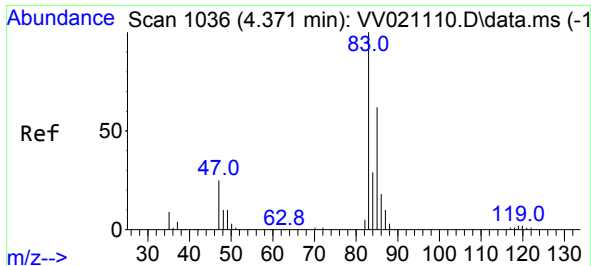
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Chloroform

Concen: 0.93 ug/L

RT: 4.384 min Scan# 1040

Delta R.T. 0.013 min

Lab File: VV021124.D

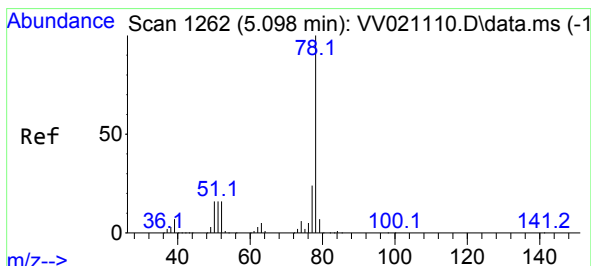
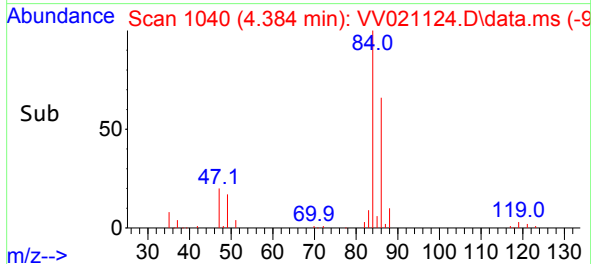
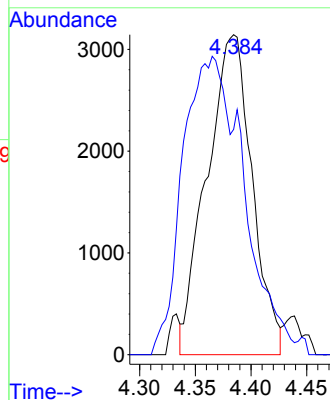
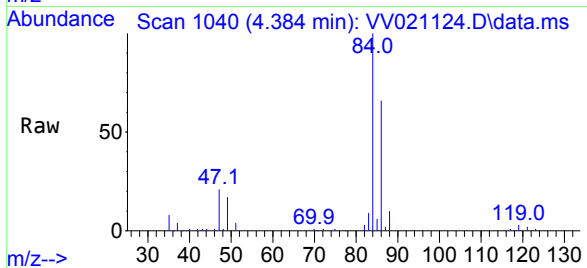
Acq: 23 Apr 2021 17:02

Tgt Ion: 83 Resp: 8876

Ion Ratio Lower Upper

83 100

85 70.4 45.6 84.6



#33

Benzene

Concen: 9.64 ug/L

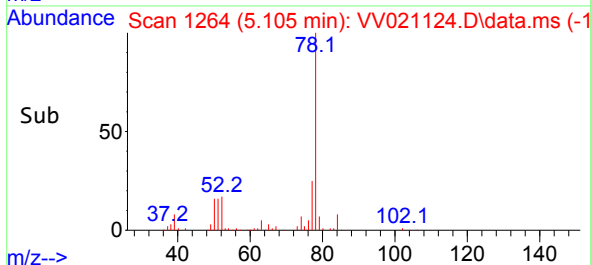
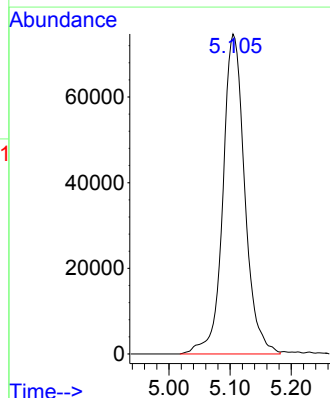
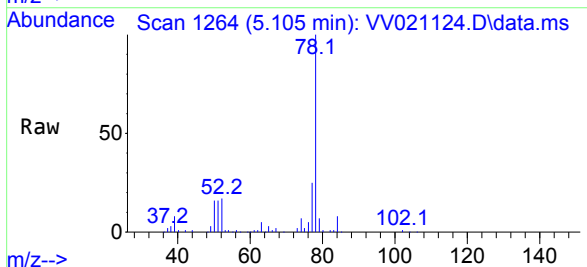
RT: 5.105 min Scan# 1264

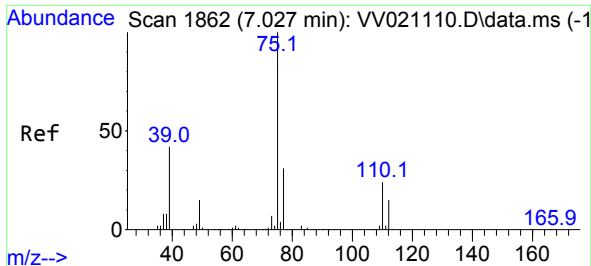
Delta R.T. 0.006 min

Lab File: VV021124.D

Acq: 23 Apr 2021 17:02

Tgt Ion: 78 Resp: 185695

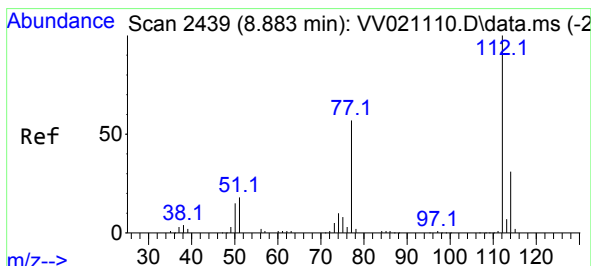
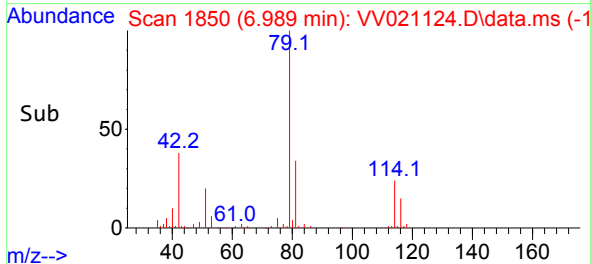
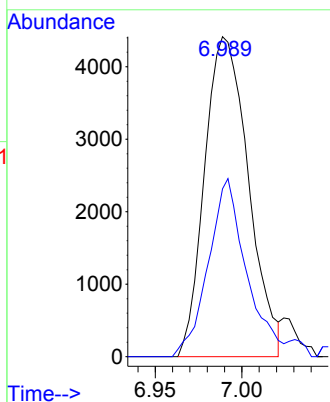
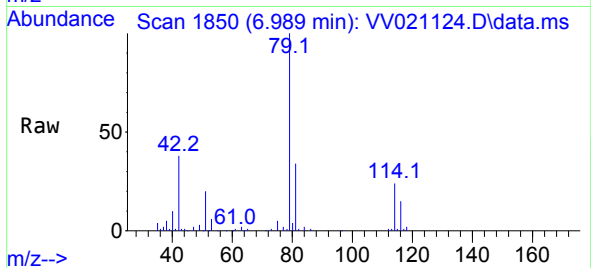




#39
cis-1,3-Dichloropropene
Concen: 1.01 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.039 min
Lab File: VV021124.D
Acq: 23 Apr 2021 17:02

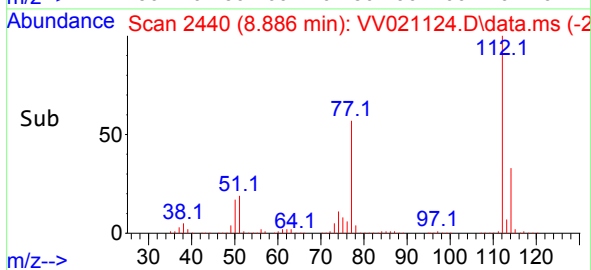
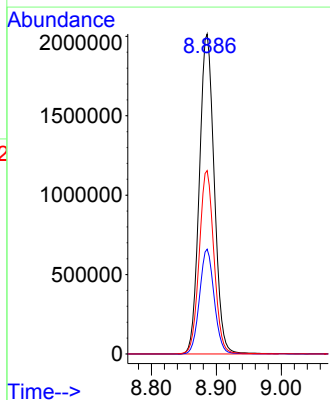
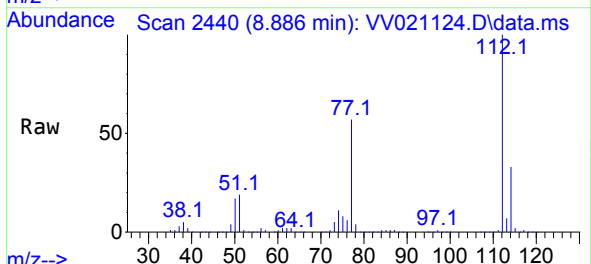
Instrument :
MSVOA_V
ClientSampleId :

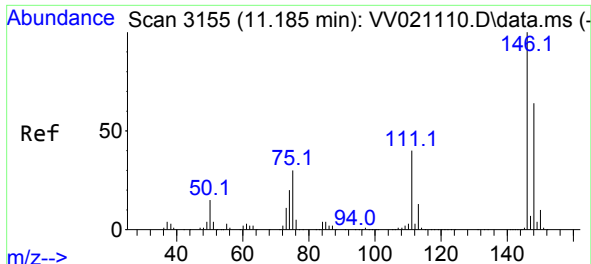
Tgt Ion: 75 Resp: 7764
Ion Ratio Lower Upper
75 100
77 52.5 21.8 40.6#



#51
Chlorobenzene
Concen: 221.55 ug/L
RT: 8.886 min Scan# 2440
Delta R.T. 0.003 min
Lab File: VV021124.D
Acq: 23 Apr 2021 17:02

Tgt Ion: 112 Resp: 3221374
Ion Ratio Lower Upper
112 100
114 32.7 22.8 42.4
77 57.3 44.2 66.2

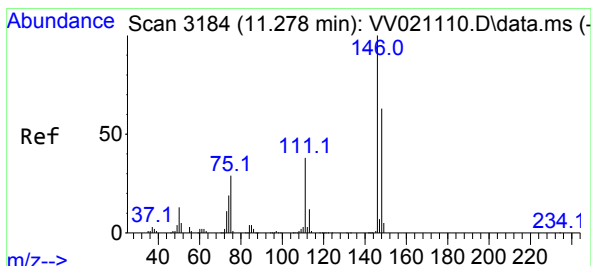
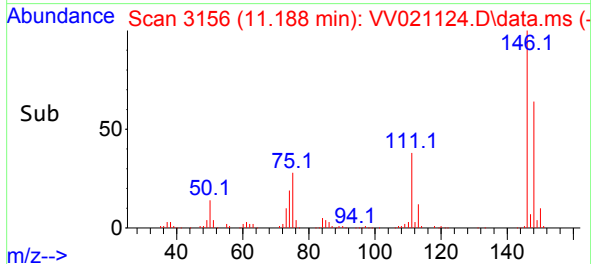
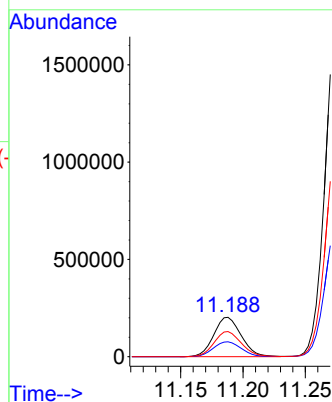
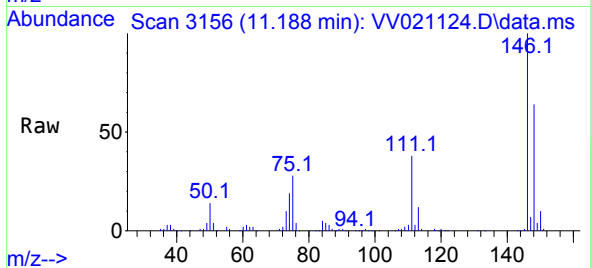




#64
1,3-Dichlorobenzene
Concen: 27.63 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.003 min
Lab File: VV021124.D
Acq: 23 Apr 2021 17:02

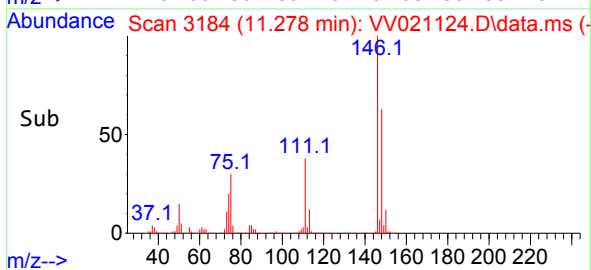
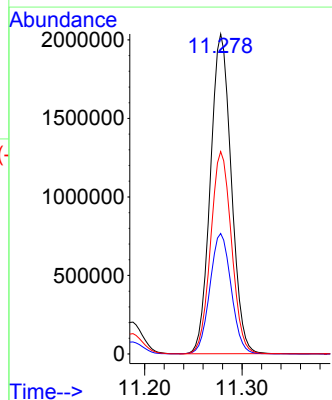
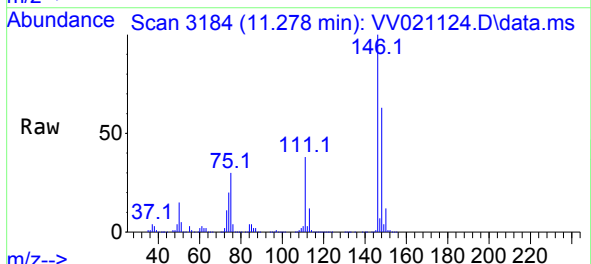
Instrument :
MSVOA_V
ClientSampled :

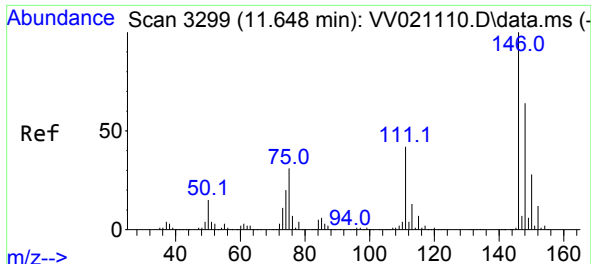
Tgt Ion:146 Resp: 310260
Ion Ratio Lower Upper
146 100
111 37.8 27.6 51.2
148 63.7 45.1 83.7



#65
1,4-Dichlorobenzene
Concen: 263.07 ug/L
RT: 11.278 min Scan# 3184
Delta R.T. 0.000 min
Lab File: VV021124.D
Acq: 23 Apr 2021 17:02

Tgt Ion:146 Resp: 3034504
Ion Ratio Lower Upper
146 100
111 37.7 26.3 48.9
148 63.3 44.7 82.9

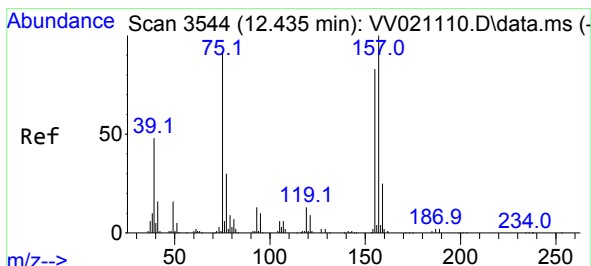
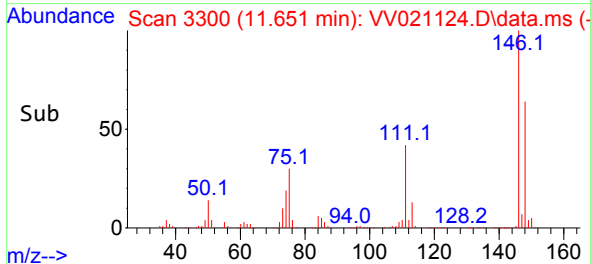
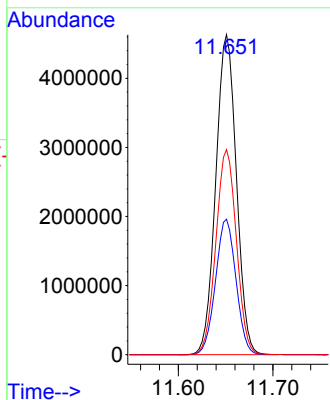
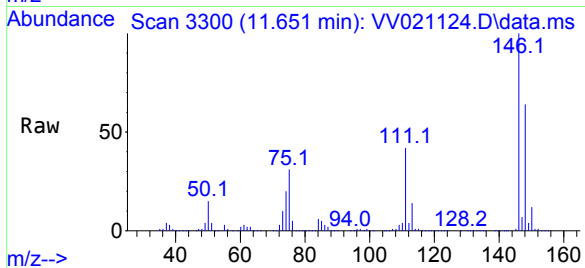




#67
1,2-Dichlorobenzene
Concen: 605.09 ug/L
RT: 11.651 min Scan# 3300
Delta R.T. 0.003 min
Lab File: VV021124.D
Acq: 23 Apr 2021 17:02

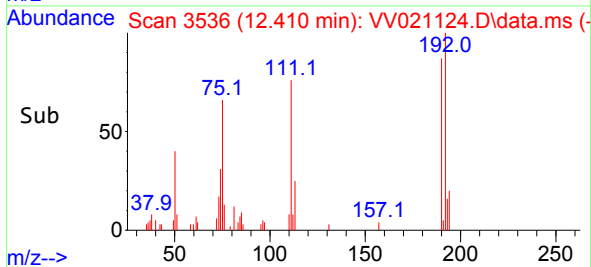
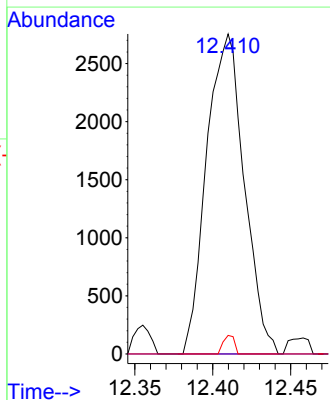
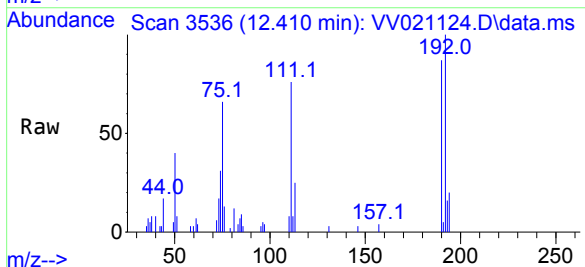
Instrument :
MSVOA_V
ClientSampled :

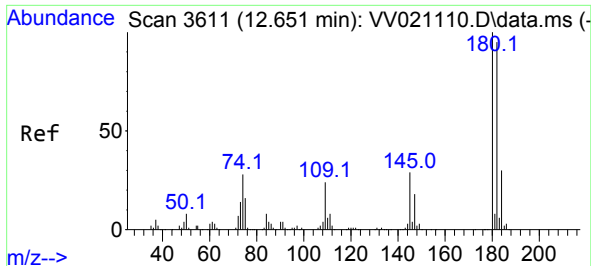
Tgt Ion:146 Resp: 7013054
Ion Ratio Lower Upper
146 100
111 42.4 33.2 49.8
148 64.1 50.6 75.8



#68
1,2-Dibromo-3-chloropropane
Concen: 2.43 ug/L
RT: 12.410 min Scan# 3536
Delta R.T. -0.026 min
Lab File: VV021124.D
Acq: 23 Apr 2021 17:02

Tgt Ion: 75 Resp: 4631
Ion Ratio Lower Upper
75 100
155 0.0 72.8 109.2#
157 5.8 94.6 142.0#

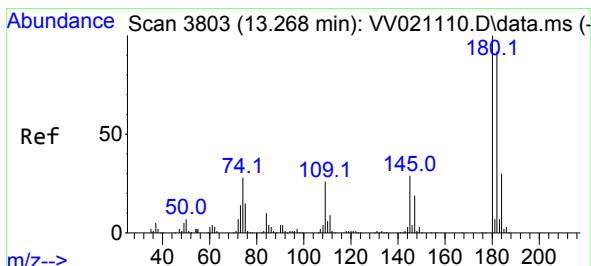
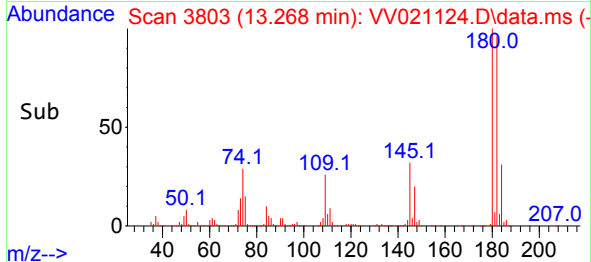
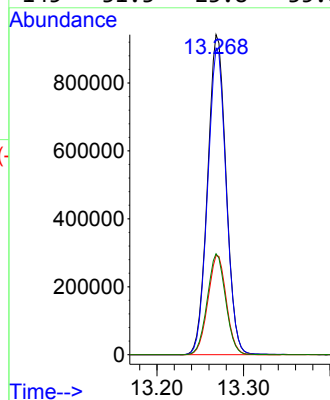
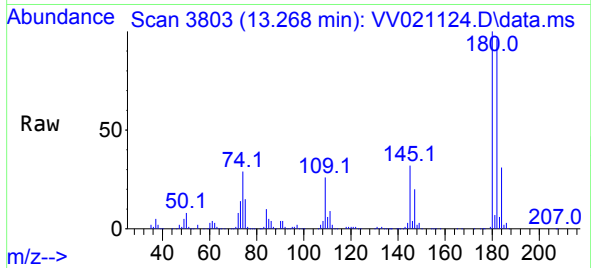




#69
1,3,5-Trichlorobenzene
Concen: 159.95 ug/L
RT: 13.268 min Scan# 3803
Delta R.T. 0.617 min
Lab File: VV021124.D
Acq: 23 Apr 2021 17:02

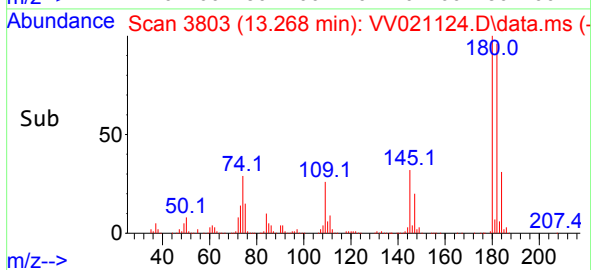
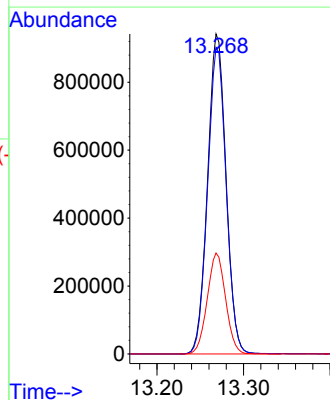
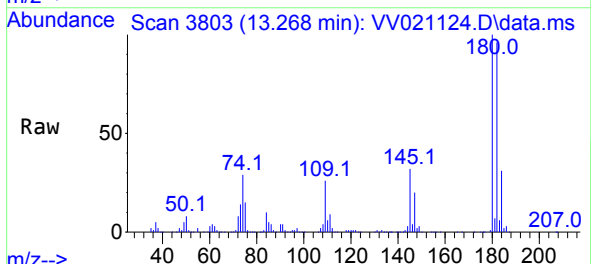
Instrument :
MSVOA_V
ClientSampled :

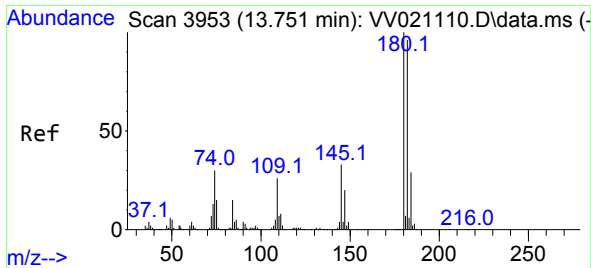
Tgt Ion:180 Resp: 1396741
Ion Ratio Lower Upper
180 100
182 95.9 77.4 116.0
184 30.9 24.1 36.1
145 31.3 23.8 35.8



#70
1,2,4-trichlorobenzene
Concen: 195.15 ug/L
RT: 13.268 min Scan# 3803
Delta R.T. 0.000 min
Lab File: VV021124.D
Acq: 23 Apr 2021 17:02

Tgt Ion:180 Resp: 1396741
Ion Ratio Lower Upper
180 100
182 95.9 77.5 116.3
145 31.3 24.3 36.5





#72
 1,2,3-Trichlorobenzene
 Concen: 80.84 ug/L
 RT: 13.751 min Scan# 3953
 Delta R.T. 0.000 min
 Lab File: VV021124.D
 Acq: 23 Apr 2021 17:02

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion:180 Resp: 590369
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.9 113.9
 145 31.6 25.0 37.6

