

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030421\
 Data File : VW020450.D
 Acq On : 03 Mar 2021 16:02
 Operator : SY/MD
 Sample : M1546-05
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FZ6

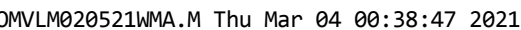
Quant Time: Mar 04 00:38:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM020521WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 04 00:36:40 2021
 Response via : Initial Calibration

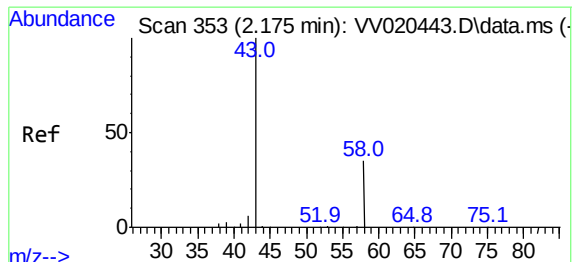
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	478105	50.00	ug/L	# 0.00
28) Chlorobenzene-d5	8.857	117	478440	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.255	152	254449	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	155416	44.59	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.18%		
7) Chloroethane-d5	1.568	69	137847	48.20	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.40%		
11) 1,1-Dichloroethene-d2	2.108	63	219962	33.38	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.76%		
21) 2-Butanone-d5	3.889	46	207086	106.34	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	106.34%		
24) Chloroform-d	4.352	84	312674	50.41	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.82%		
26) 1,2-Dichloroethane-d4	5.034	65	208580	53.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	106.08%		
32) Benzene-d6	5.053	84	639604	51.60	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.20%		
36) 1,2-Dichloropropane-d6	6.072	67	197819	53.46	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	106.92%		
41) Toluene-d8	7.320	98	592528	50.87	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.74%		
43) trans-1,3-Dichloroprop...	7.625	79	88196	46.75	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.50%		
47) 2-Hexanone-d5	8.092	63	139414	90.56	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	90.56%		
57) 1,1,2,2-Tetrachloroeth...	10.220	84	246787	46.44	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.88%		
64) 1,2-Dichlorobenzene-d4	11.255	152	237082	49.24	ug/L	-0.38
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.48%		
Target Compounds						Qvalue
13) Acetone	2.185	43	17277	12.57	ug/L	91
25) Chloroform	4.381	83	15350	2.62	ug/L	87
27) 1,2-Dichloroethane	5.050	62	3345	0.72	ug/L	96
33) Benzene	5.105	78	29438	2.30	ug/L	100
35) Methylcyclohexane	6.072	83	50000	9.39	ug/L #	17
48) 2-Hexanone	8.149	43	10414	3.33	ug/L #	86
51) Chlorobenzene	8.886	112	618502	65.52	ug/L	94
59) 1,2,3-Trichloropropane	11.188	75	20034	4.61	ug/L #	44
62) 1,3-Dichlorobenzene	11.188	146	74363	9.88	ug/L	97
63) 1,4-Dichlorobenzene	11.278	146	704353	91.26	ug/L	97
65) 1,2-Dichlorobenzene	11.651	146	2031315	270.31	ug/L	96
66) 1,2-Dibromo-3-chloropr...	12.407	75	1446	1.25	ug/L #	7
67) 1,3,5-Trichlorobenzene	13.268	180	453888	77.22	ug/L	97
68) 1,2,4-trichlorobenzene	13.268	180	453888	87.03	ug/L	96
70) 1,2,3-Trichlorobenzene	13.754	180	224948	43.32	ug/L	98

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

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Response via : Initial Calibration

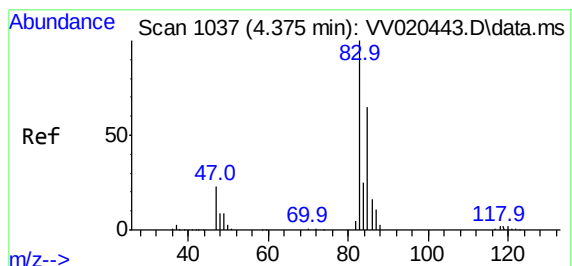
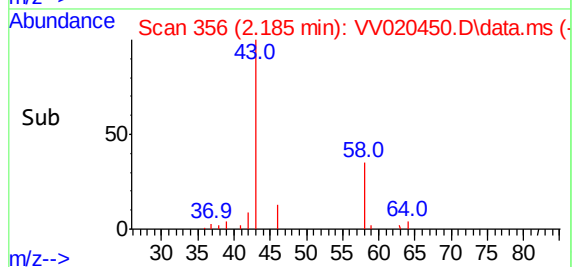
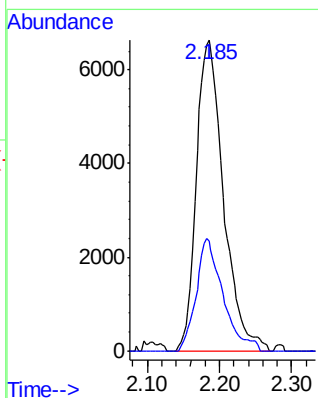
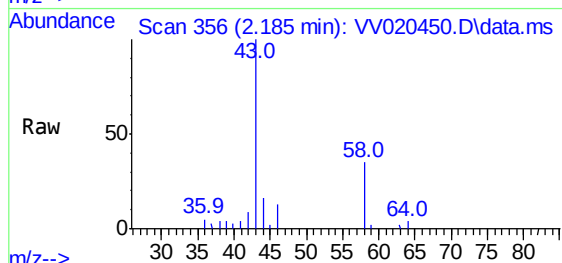




#13
Acetone
Concen: 12.57 ug/L
RT: 2.185 min Scan# 356
Delta R.T. 0.010 min
Lab File: VV020450.D
Acq: 03 Mar 2021 16:02

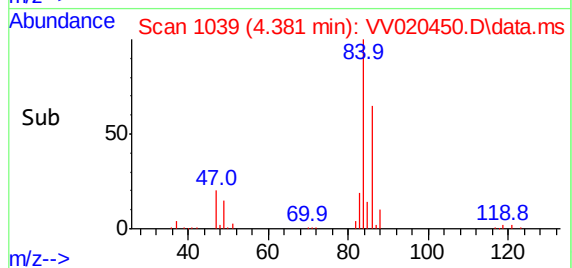
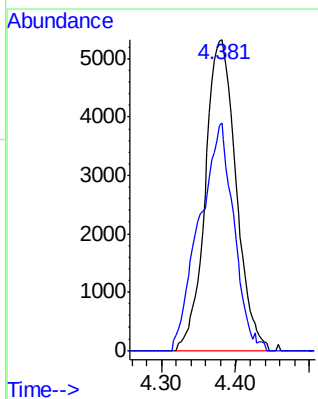
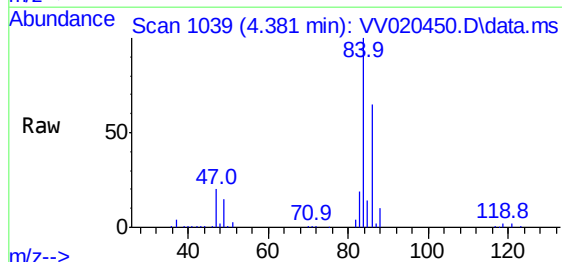
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MSVOA_V
ClientSampled :
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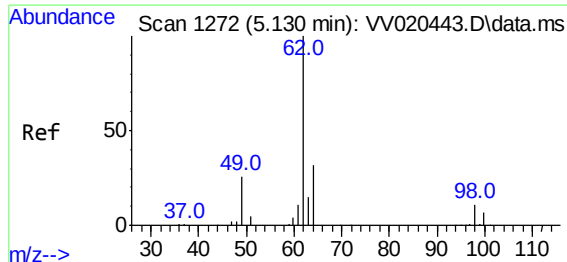
Tgt Ion: 43 Resp: 17277
Ion Ratio Lower Upper
43 100
58 35.0 0.0 60.2



#25
Chloroform
Concen: 2.62 ug/L
RT: 4.381 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VV020450.D
Acq: 03 Mar 2021 16:02

Tgt Ion: 83 Resp: 15350
Ion Ratio Lower Upper
83 100
85 73.3 44.2 82.2

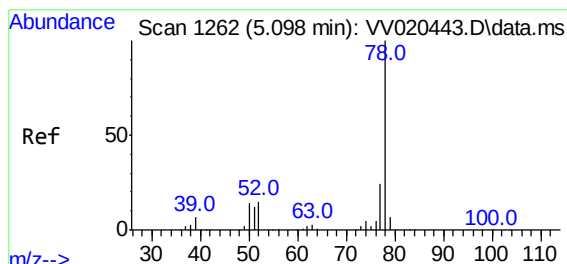
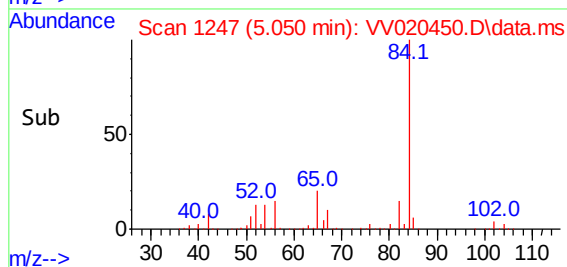
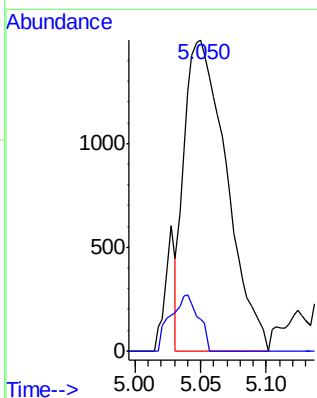
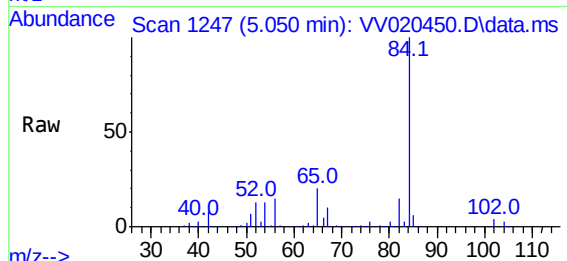




#27
1,2-Dichloroethane
Concen: 0.72 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. -0.080 min
Lab File: VV020450.D
Acq: 03 Mar 2021 16:02

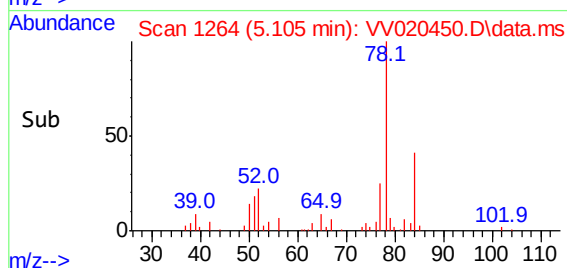
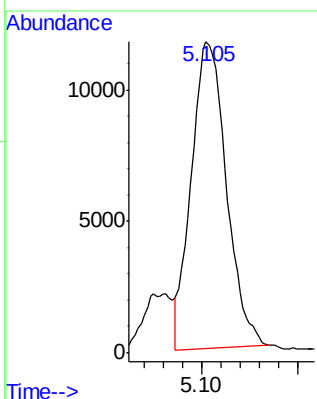
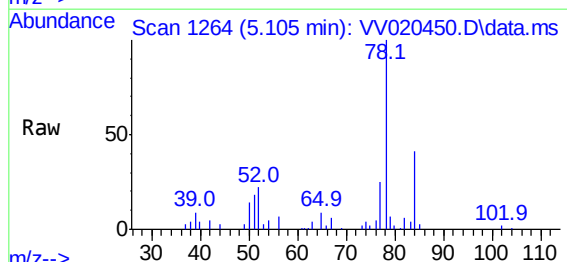
Instrument :
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ClientSampled :
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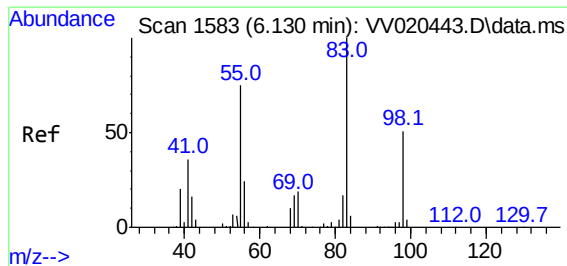
Tgt Ion: 62 Resp: 3345
Ion Ratio Lower Upper
62 100
98 10.1 6.9 10.3



#33
Benzene
Concen: 2.30 ug/L
RT: 5.105 min Scan# 1264
Delta R.T. 0.006 min
Lab File: VV020450.D
Acq: 03 Mar 2021 16:02

Tgt Ion: 78 Resp: 29438

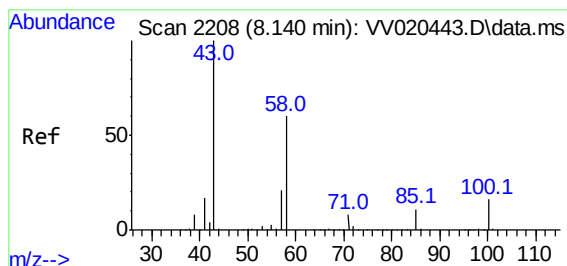
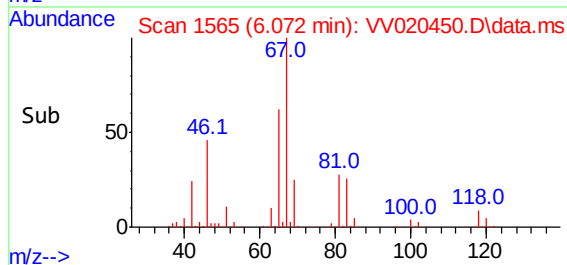
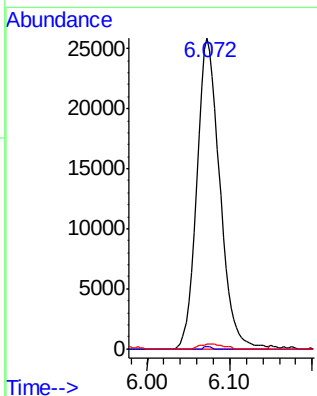
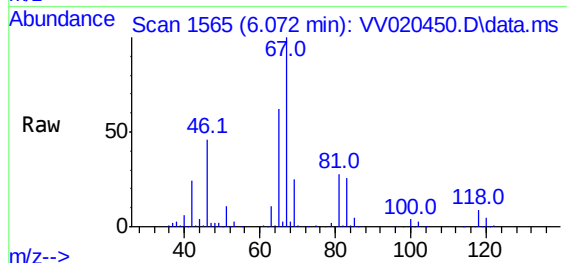




#35
Methylcyclohexane
Concen: 9.39 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.058 min
Lab File: VV020450.D
Acq: 03 Mar 2021 16:02

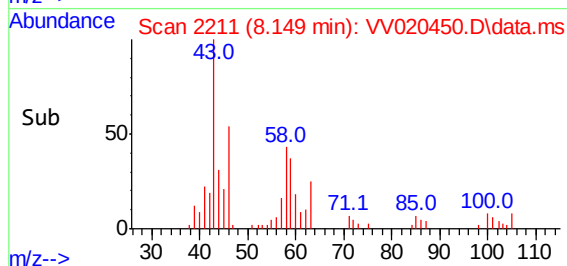
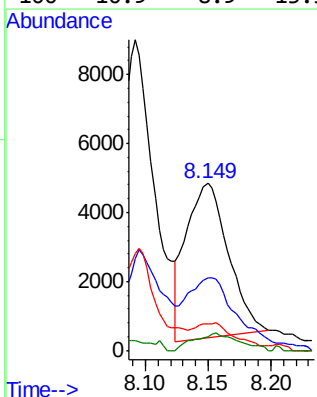
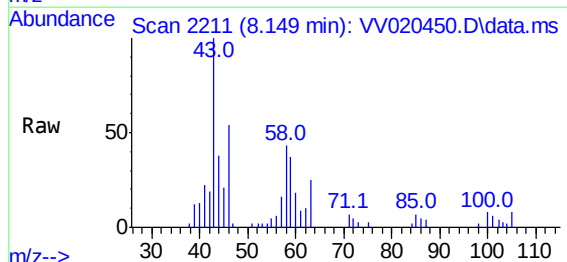
Instrument :
MSVOA_V
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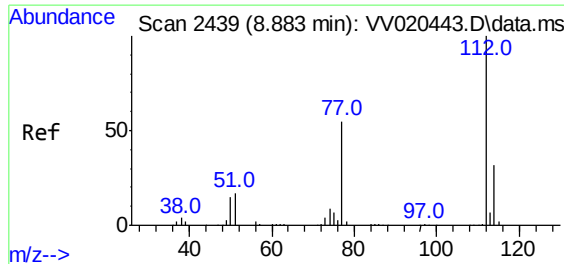
Tgt Ion: 83 Resp: 50000
Ion Ratio Lower Upper
83 100
55 0.2 65.1 97.7#
98 1.5 38.2 57.2#



#48
2-Hexanone
Concen: 3.33 ug/L
RT: 8.149 min Scan# 2211
Delta R.T. 0.010 min
Lab File: VV020450.D
Acq: 03 Mar 2021 16:02

Tgt Ion: 43 Resp: 10414
Ion Ratio Lower Upper
43 100
58 47.5 41.8 62.6
57 0.0 15.0 22.4#
100 10.9 8.9 13.3

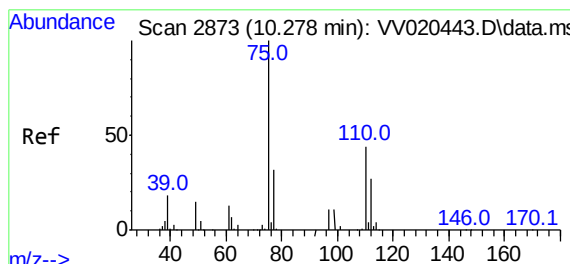
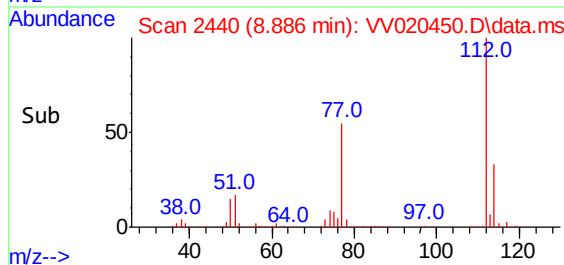
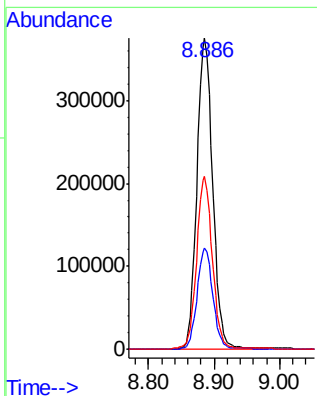
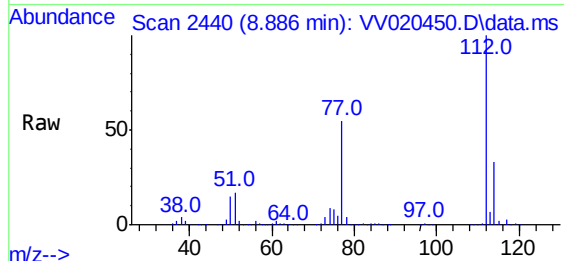




#51
Chlorobenzene
Concen: 65.52 ug/L
RT: 8.886 min Scan# 2440
Delta R.T. 0.003 min
Lab File: VV020450.D
Acq: 03 Mar 2021 16:02

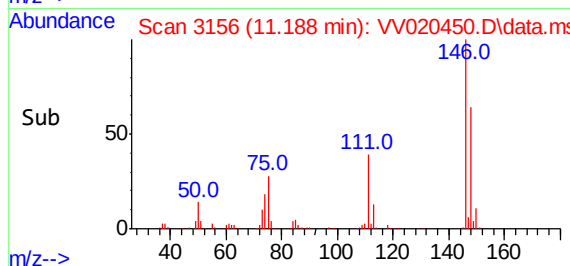
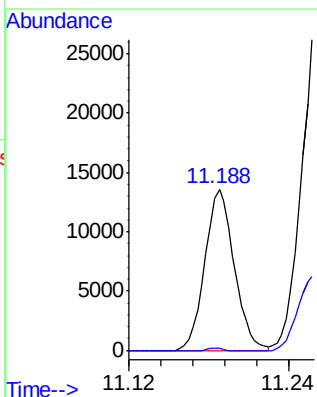
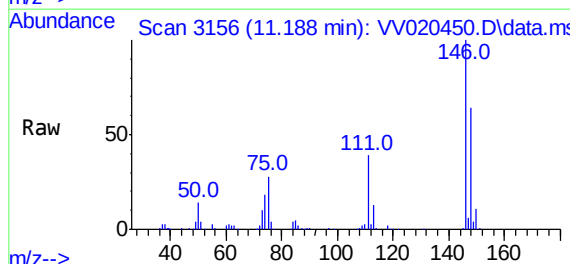
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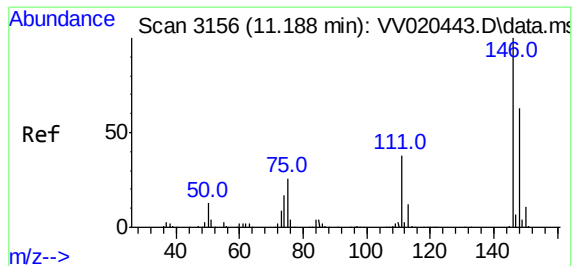
Tgt Ion:112 Resp: 618502
Ion Ratio Lower Upper
112 100
114 32.6 22.2 41.2
77 55.4 49.0 73.6



#59
1,2,3-Trichloropropane
Concen: 4.61 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.910 min
Lab File: VV020450.D
Acq: 03 Mar 2021 16:02

Tgt Ion: 75 Resp: 20034
Ion Ratio Lower Upper
75 100
77 0.7 25.4 38.0#

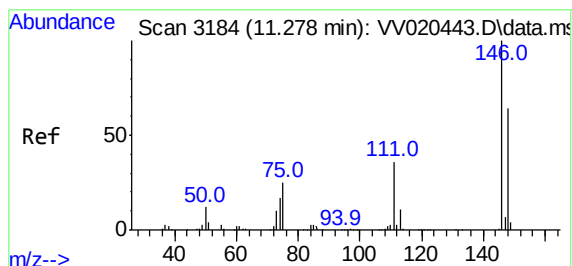
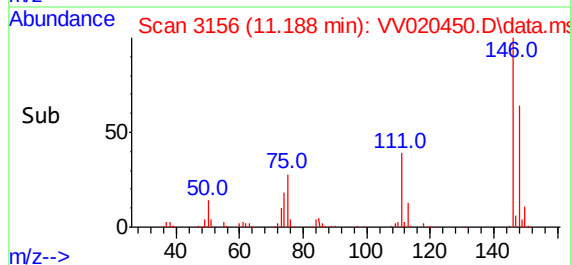
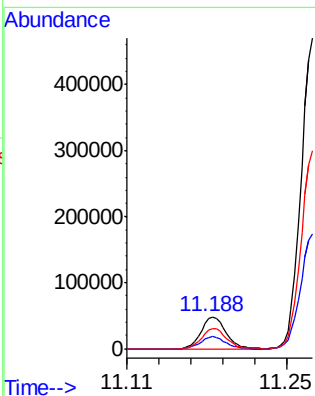
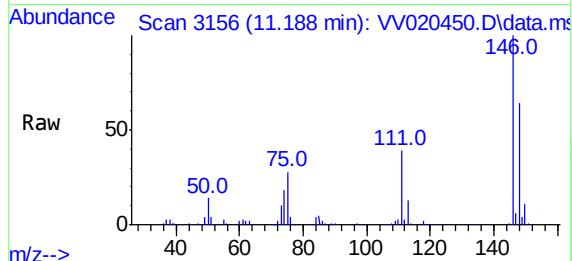




#62
1,3-Dichlorobenzene
Concen: 9.88 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. -0.000 min
Lab File: VV020450.D
Acq: 03 Mar 2021 16:02

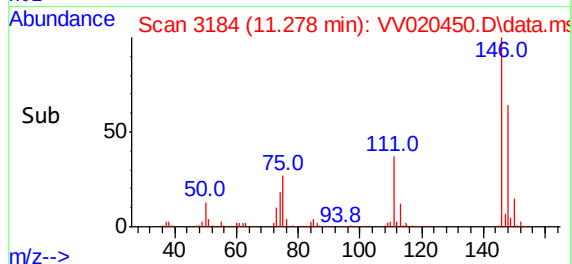
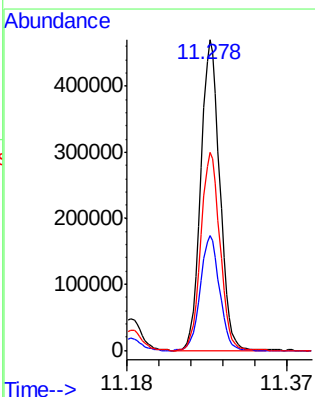
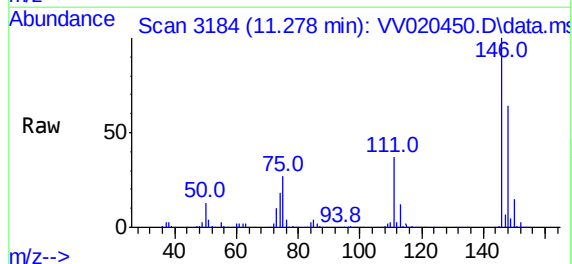
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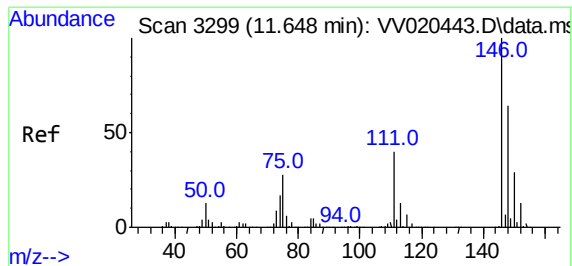
Tgt Ion:146 Resp: 74363
Ion Ratio Lower Upper
146 100
111 38.8 30.2 56.2
148 64.3 45.0 83.6



#63
1,4-Dichlorobenzene
Concen: 91.26 ug/L
RT: 11.278 min Scan# 3184
Delta R.T. -0.000 min
Lab File: VV020450.D
Acq: 03 Mar 2021 16:02

Tgt Ion:146 Resp: 704353
Ion Ratio Lower Upper
146 100
111 37.2 29.4 54.6
148 63.8 44.7 83.1

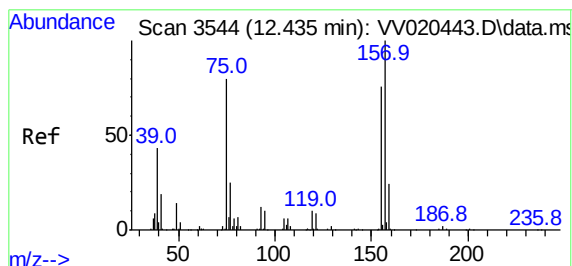
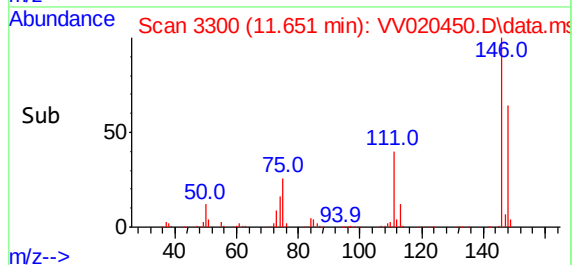
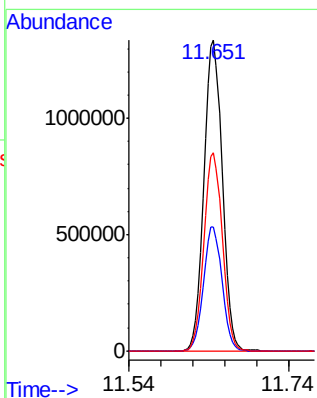
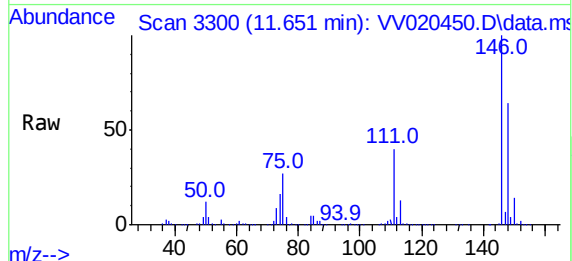




#65
1,2-Dichlorobenzene
Concen: 270.31 ug/L
RT: 11.651 min Scan# 3300
Delta R.T. 0.003 min
Lab File: VV020450.D
Acq: 03 Mar 2021 16:02

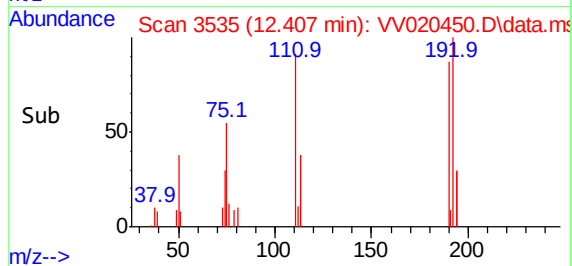
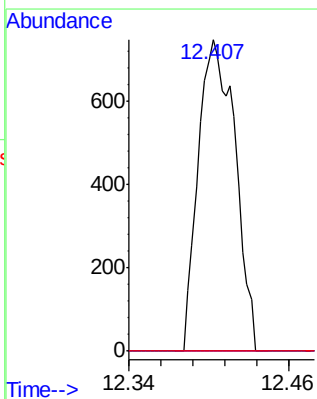
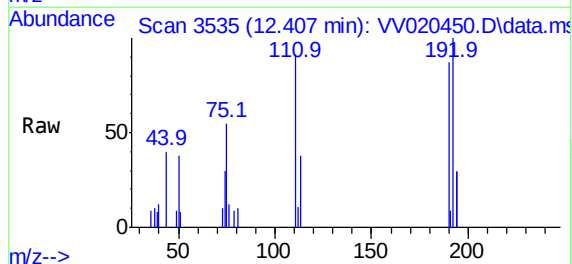
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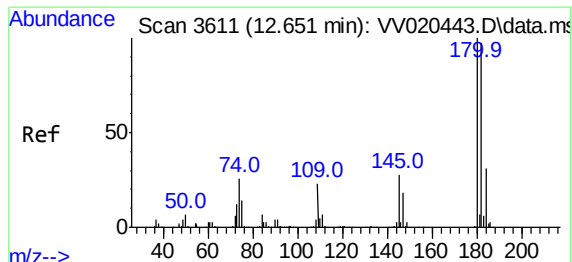
Tgt Ion:146 Resp: 2031315
Ion Ratio Lower Upper
146 100
111 40.0 36.3 54.5
148 64.0 51.7 77.5



#66
1,2-Dibromo-3-chloropropane
Concen: 1.25 ug/L
RT: 12.407 min Scan# 3535
Delta R.T. -0.029 min
Lab File: VV020450.D
Acq: 03 Mar 2021 16:02

Tgt Ion: 75 Resp: 1446
Ion Ratio Lower Upper
75 100
155 0.0 59.1 88.7#
157 0.0 75.4 113.0#

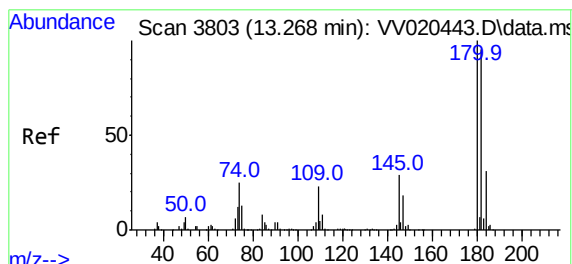
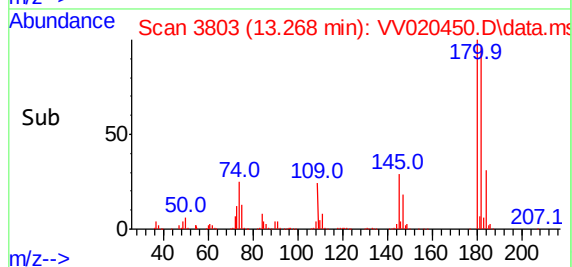
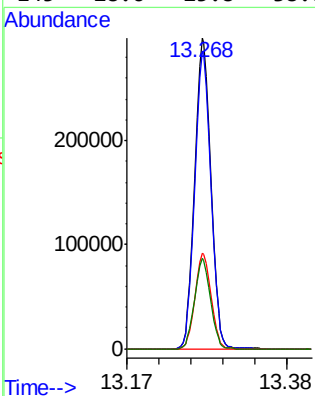
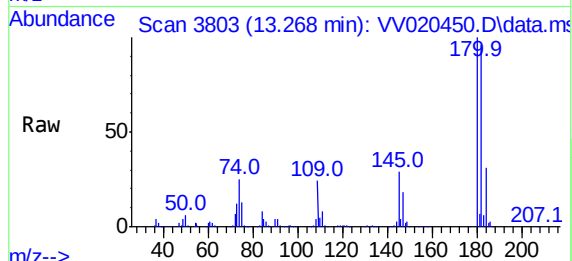




#67
1,3,5-Trichlorobenzene
Concen: 77.22 ug/L
RT: 13.268 min Scan# 3803
Delta R.T. 0.617 min
Lab File: VV020450.D
Acq: 03 Mar 2021 16:02

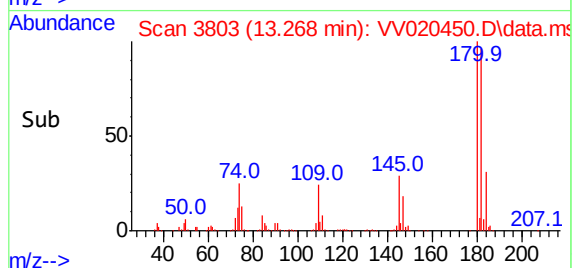
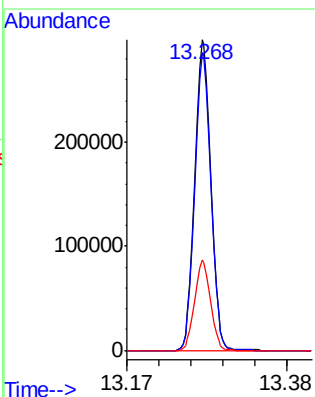
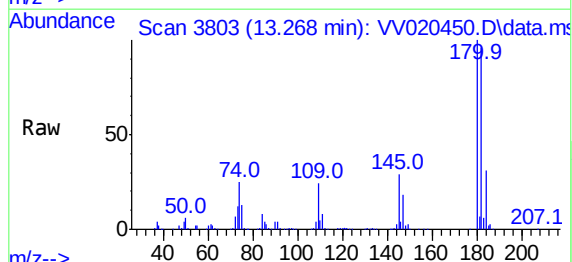
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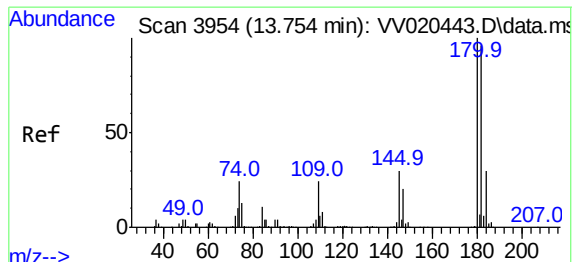
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Ion Ratio Lower Upper
180 100
182 95.8 75.0 112.6
184 30.7 24.0 36.0
145 28.6 25.8 38.6



#68
1,2,4-trichlorobenzene
Concen: 87.03 ug/L
RT: 13.268 min Scan# 3803
Delta R.T. -0.000 min
Lab File: VV020450.D
Acq: 03 Mar 2021 16:02

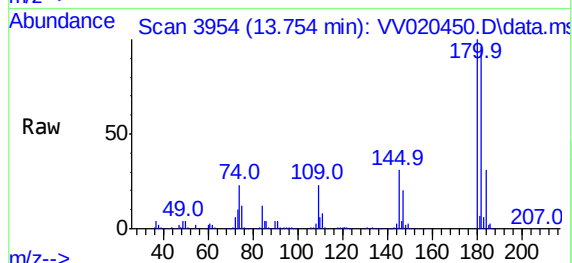
Tgt Ion:180 Resp: 453888
Ion Ratio Lower Upper
180 100
182 95.8 75.1 112.7
145 28.6 26.8 40.2





#70
 1,2,3-Trichlorobenzene
 Concen: 43.32 ug/L
 RT: 13.754 min Scan# 3954
 Delta R.T. -0.000 min
 Lab File: VV020450.D
 Acq: 03 Mar 2021 16:02

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FZ6



Tgt Ion:180 Resp: 224948

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.1	114.1
145	30.7	27.9	41.9

