

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032223\
 Data File : VU053359.D
 Acq On : 22 Mar 2023 17:57
 Operator : JC/MD
 Sample : 01961-02DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

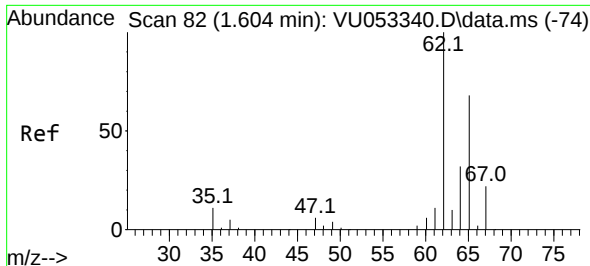
Instrument :
 MSVOA_U
 ClientSampleId :
 EYFF5DL

Quant Time: Mar 23 02:46:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 23 02:41:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	105077	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	98213	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	45485	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	38530	39.746	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	79.500%		
7) Chloroethane-d5	1.912	69	35393	45.137	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.280%		
11) 1,1-Dichloroethene-d2	2.565	63	49983	29.764	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	59.520%#		
21) 2-Butanone-d5	4.620	46	47335	105.280	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	105.280%		
24) Chloroform-d	5.057	84	66421	41.600	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.200%		
26) 1,2-Dichloroethane-d4	5.697	65	44986	45.368	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.740%		
32) Benzene-d6	5.723	84	137121	43.044	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.080%		
36) 1,2-Dichloropropane-d6	6.684	67	46832	45.551	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.100%		
41) Toluene-d8	7.893	98	122869	41.428	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.860%		
43) trans-1,3-Dichloroprop...	8.176	79	21060	41.517	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.040%		
47) 2-Hexanone-d5	8.629	63	32043	99.689	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.690%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	64360	48.323	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.640%		
66) 1,2-Dichlorobenzene-d4	12.189	152	41079	46.643	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.280%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	51639	46.709	ug/L	97
12) 1,1-Dichloroethene	2.572	96	592	0.767	ug/L #	1
14) Carbon disulfide	2.793	76	2432	1.041	ug/L	98
20) cis-1,2-Dichloroethene	4.658	96	18460	20.073	ug/L	93
51) Chlorobenzene	9.439	112	1750	0.767	ug/L	94
64) 1,3-Dichlorobenzene	11.742	146	1555	1.032	ug/L	89
65) 1,4-Dichlorobenzene	11.835	146	2068	1.367	ug/L	86
67) 1,2-Dichlorobenzene	12.208	146	1418	0.941	ug/L #	85
69) 1,3,5-Trichlorobenzene	13.221	180	1612	1.687	ug/L #	92
70) 1,2,4-trichlorobenzene	13.841	180	2387	2.780	ug/L #	87
71) Naphthalene	14.086	128	11477	3.966	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	2556	3.139	ug/L	97

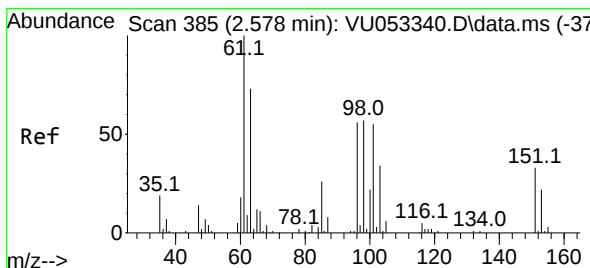
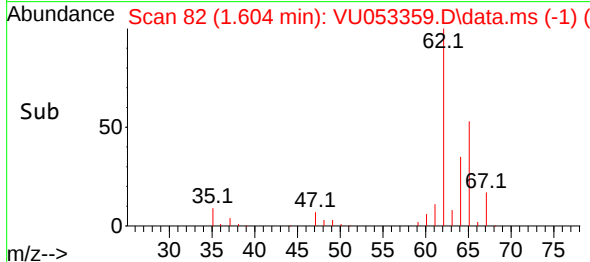
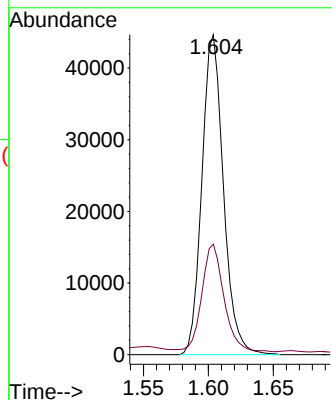
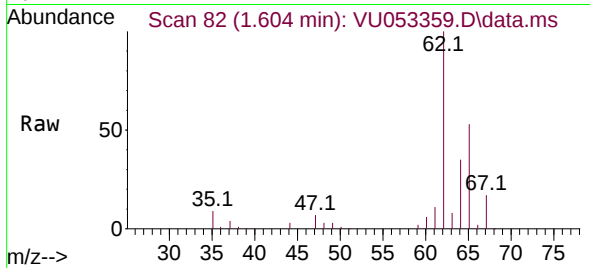
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 46.709 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053359.D
 Acq: 22 Mar 2023 17:57

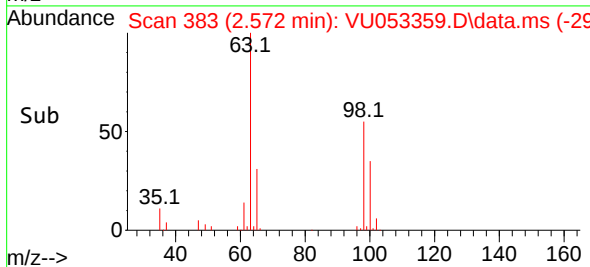
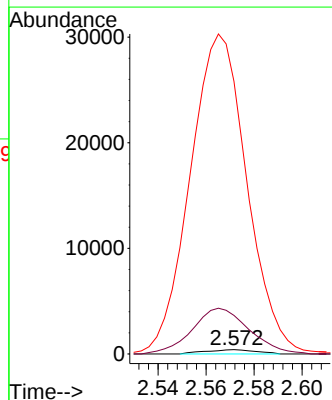
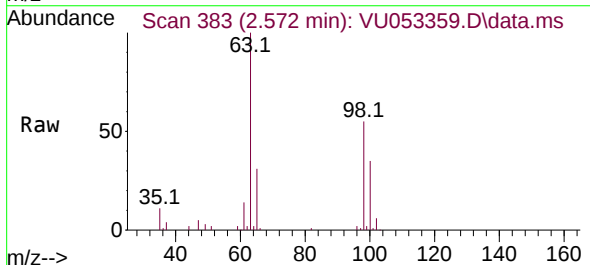
Instrument :
 MSVOA_U
 ClientSampleId :
 EYFF5DL

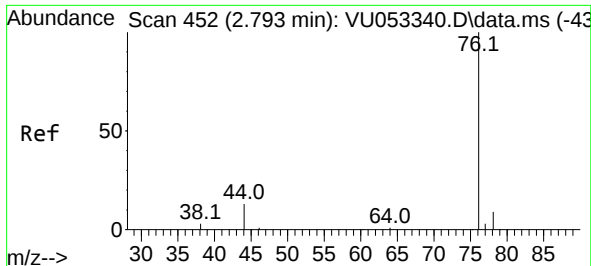
Tgt Ion: 62 Resp: 51639
 Ion Ratio Lower Upper
 62 100
 64 34.5 23.2 43.0



#12
 1,1-Dichloroethene
 Concen: 0.767 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.006 min
 Lab File: VU053359.D
 Acq: 22 Mar 2023 17:57

Tgt Ion: 96 Resp: 592
 Ion Ratio Lower Upper
 96 100
 61 901.5 122.2 226.9#
 63 6372.3 89.9 166.9#





#14

Carbon disulfide

Concen: 1.041 ug/L

RT: 2.793 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU053359.D

Acq: 22 Mar 2023 17:57

Instrument :

MSVOA_U

ClientSampleId :

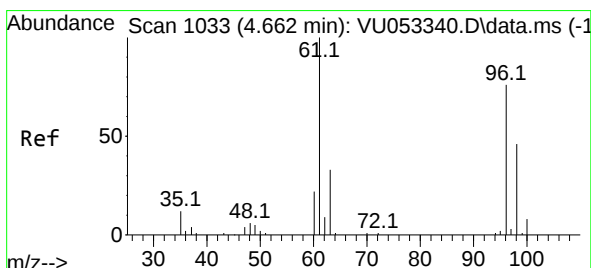
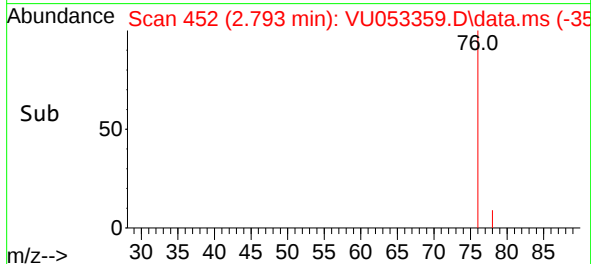
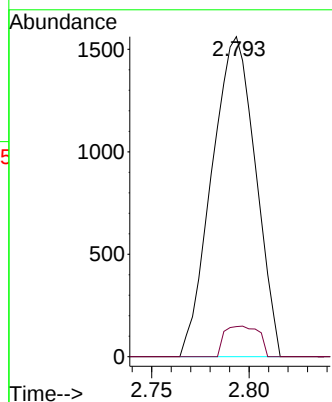
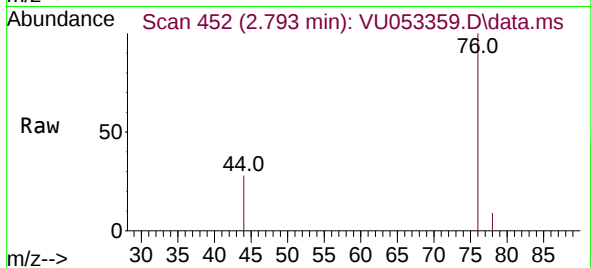
EYFF5DL

Tgt Ion: 76 Resp: 2432

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6



#20

cis-1,2-Dichloroethene

Concen: 20.073 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU053359.D

Acq: 22 Mar 2023 17:57

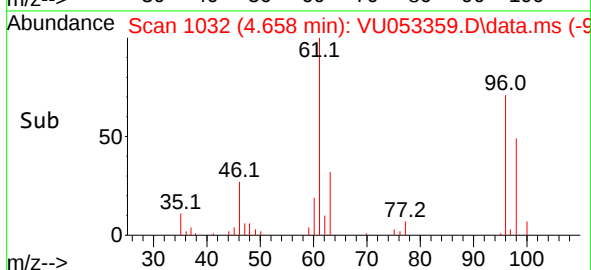
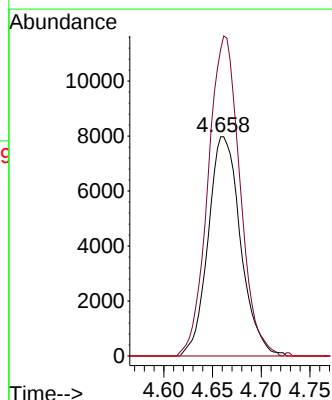
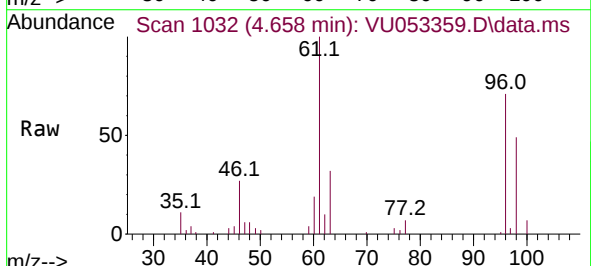
Tgt Ion: 96 Resp: 18460

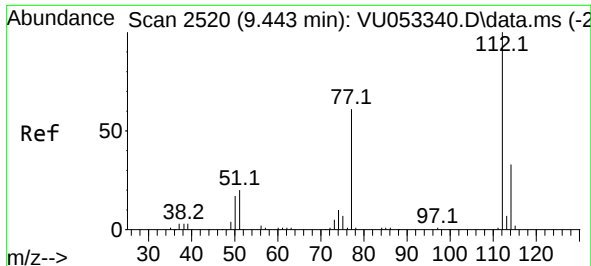
Ion Ratio Lower Upper

96 100

61 139.9 92.5 171.7

68 0.0 0.0 0.0

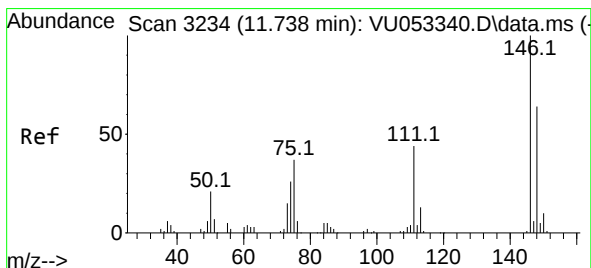
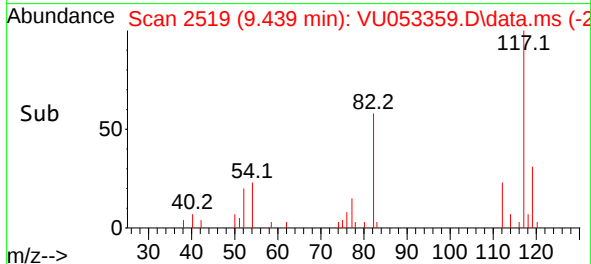
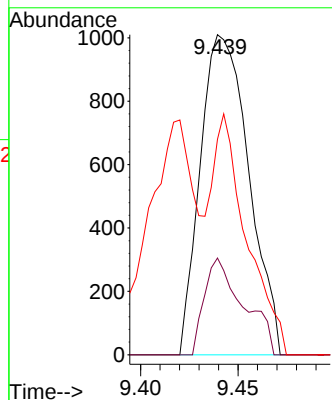
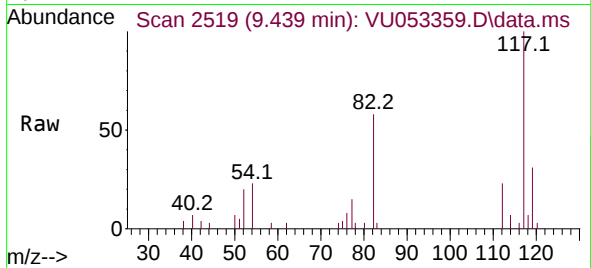




#51
Chlorobenzene
Concen: 0.767 ug/L
RT: 9.439 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053359.D
Acq: 22 Mar 2023 17:57

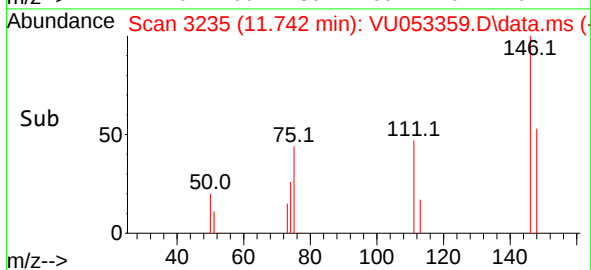
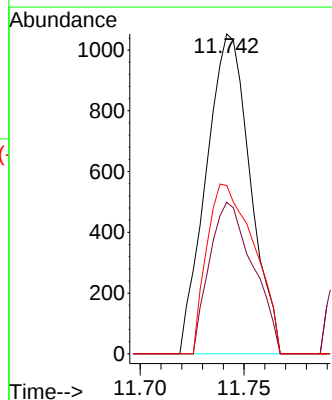
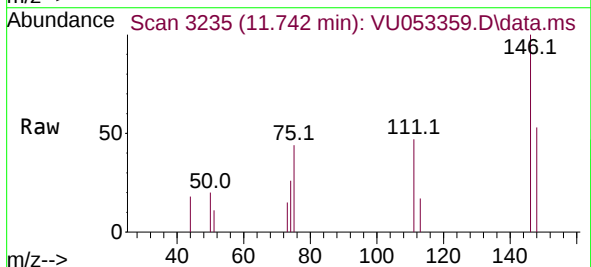
Instrument :
MSVOA_U
ClientSampleId :
EYFF5DL

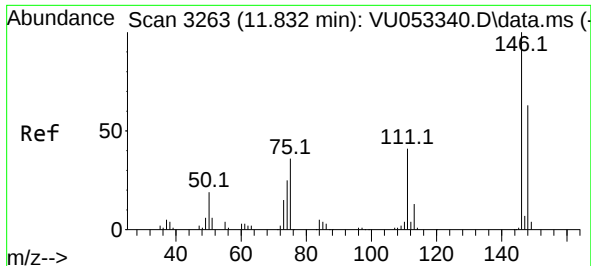
Tgt Ion:112 Resp: 1750
Ion Ratio Lower Upper
112 100
114 30.2 21.8 40.6
77 67.3 48.8 73.2



#64
1,3-Dichlorobenzene
Concen: 1.032 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.003 min
Lab File: VU053359.D
Acq: 22 Mar 2023 17:57

Tgt Ion:146 Resp: 1555
Ion Ratio Lower Upper
146 100
111 47.4 30.2 56.0
148 52.6 44.8 83.2

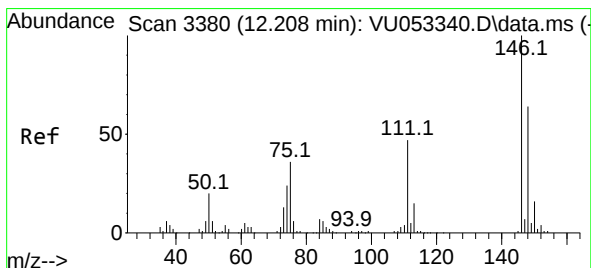
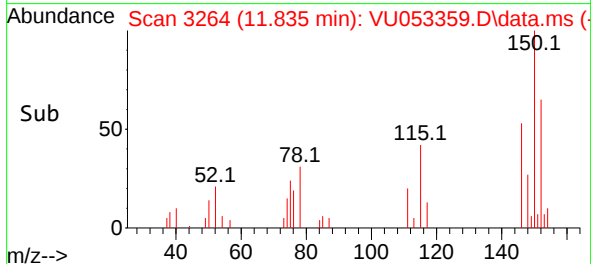
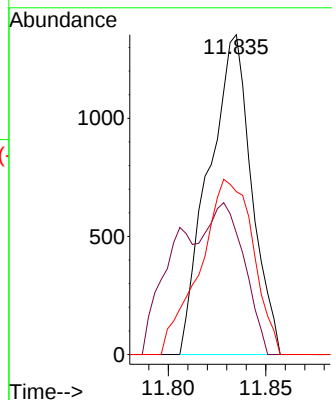
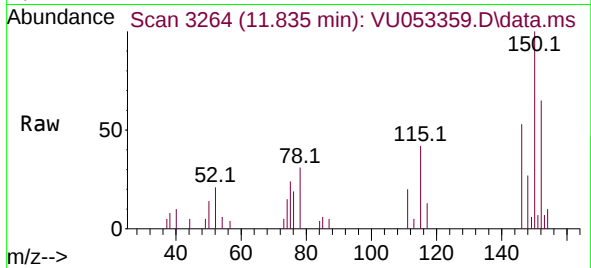




#65
1,4-Dichlorobenzene
Concen: 1.367 ug/L
RT: 11.835 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053359.D
Acq: 22 Mar 2023 17:57

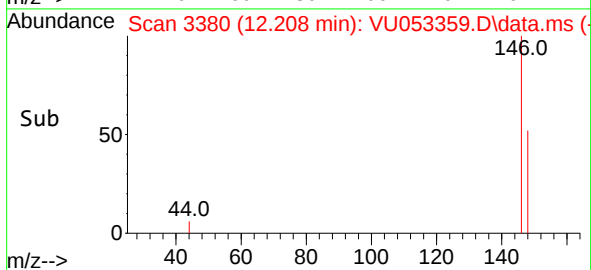
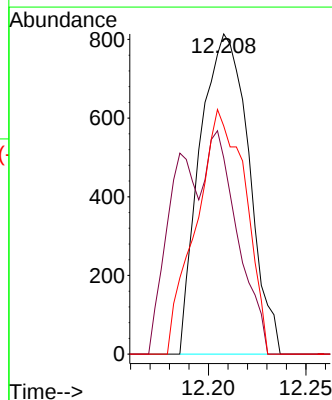
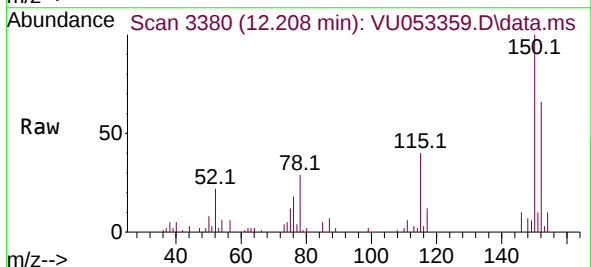
Instrument :
MSVOA_U
ClientSampleId :
EYFF5DL

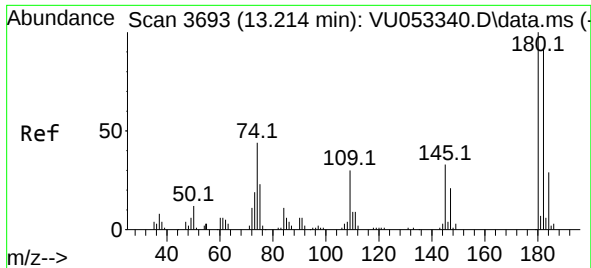
Tgt Ion:146 Resp: 2068
Ion Ratio Lower Upper
146 100
111 38.0 30.7 57.1
148 51.0 45.6 84.8



#67
1,2-Dichlorobenzene
Concen: 0.941 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU053359.D
Acq: 22 Mar 2023 17:57

Tgt Ion:146 Resp: 1418
Ion Ratio Lower Upper
146 100
111 61.3 37.0 55.4#
148 71.3 51.4 77.2

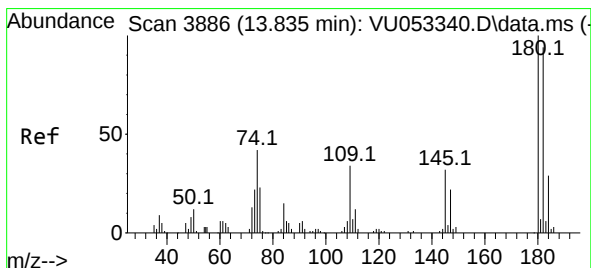
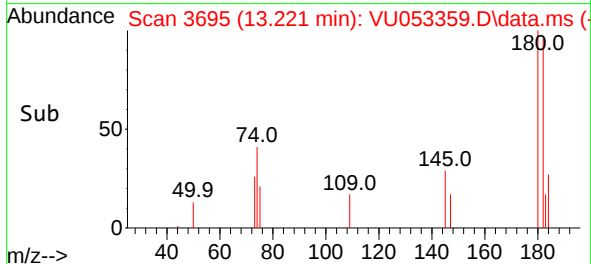
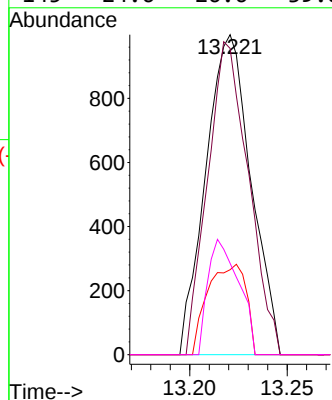
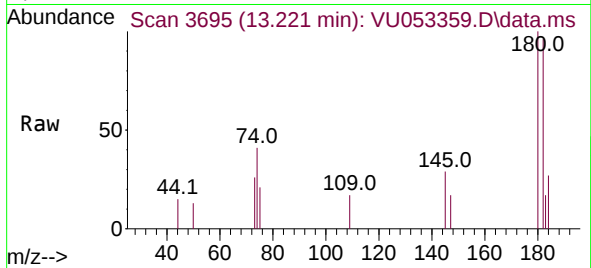




#69
1,3,5-Trichlorobenzene
Concen: 1.687 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. 0.006 min
Lab File: VU053359.D
Acq: 22 Mar 2023 17:57

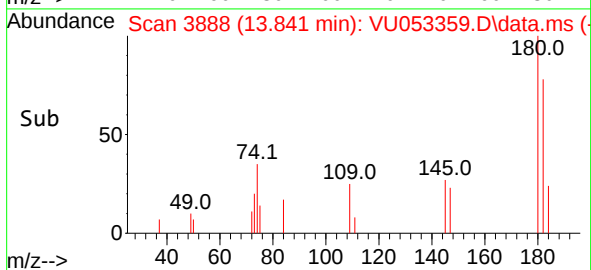
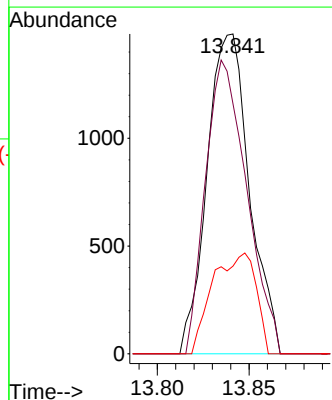
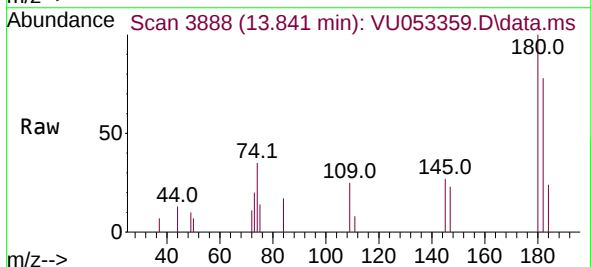
Instrument :
MSVOA_U
ClientSampleId :
EYFF5DL

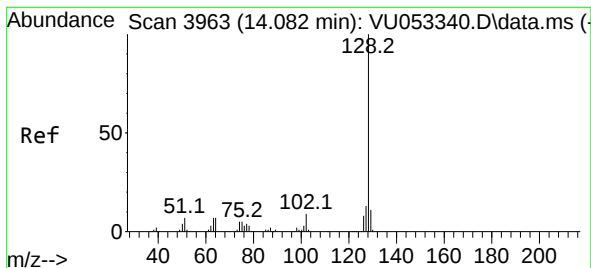
Tgt Ion:180 Resp: 1612
Ion Ratio Lower Upper
180 100
182 88.1 74.5 111.7
184 23.9 23.2 34.8
145 24.6 26.6 39.8#



#70
1,2,4-trichlorobenzene
Concen: 2.780 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.006 min
Lab File: VU053359.D
Acq: 22 Mar 2023 17:57

Tgt Ion:180 Resp: 2387
Ion Ratio Lower Upper
180 100
182 89.1 75.8 113.8
145 14.2 27.2 40.8#





#71

Naphthalene

Concen: 3.966 ug/L

RT: 14.086 min Scan# 3963

Delta R.T. 0.003 min

Lab File: VU053359.D

Acq: 22 Mar 2023 17:57

Instrument :

MSVOA_U

ClientSampleId :

EYFF5DL

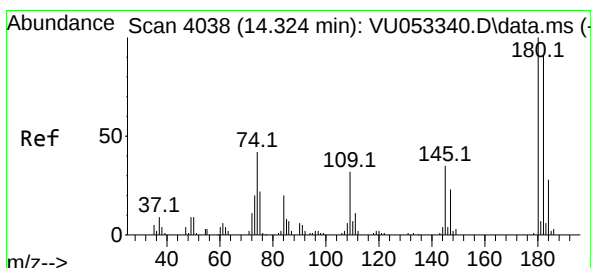
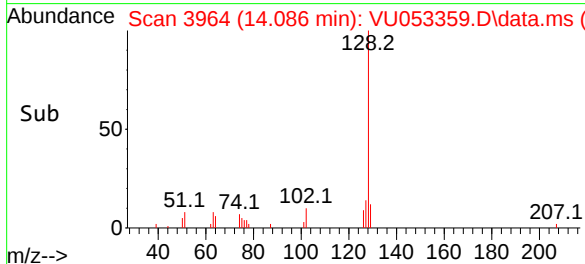
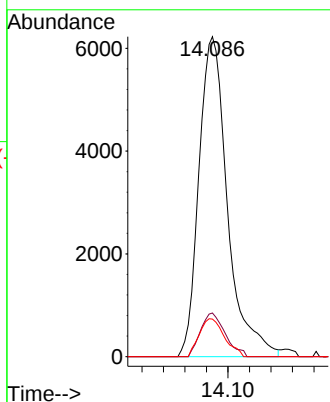
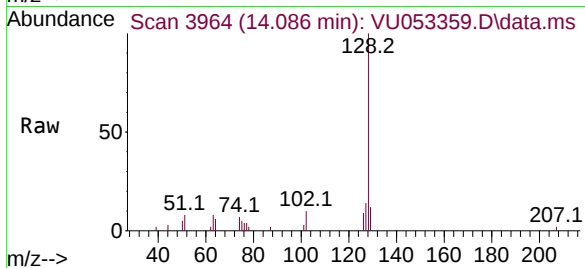
Tgt Ion:128 Resp: 11477

Ion Ratio Lower Upper

128 100

127 11.8 10.0 15.0

129 10.4 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 3.139 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.003 min

Lab File: VU053359.D

Acq: 22 Mar 2023 17:57

Tgt Ion:180 Resp: 2556

Ion Ratio Lower Upper

180 100

182 95.3 76.7 115.1

145 29.9 28.6 42.8

