

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040423\
 Data File : VU053571.D
 Acq On : 04 Apr 2023 19:06
 Operator : JC/MD
 Sample : 02158-14DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-8S(20230330)DL

Quant Time: Apr 04 23:13:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

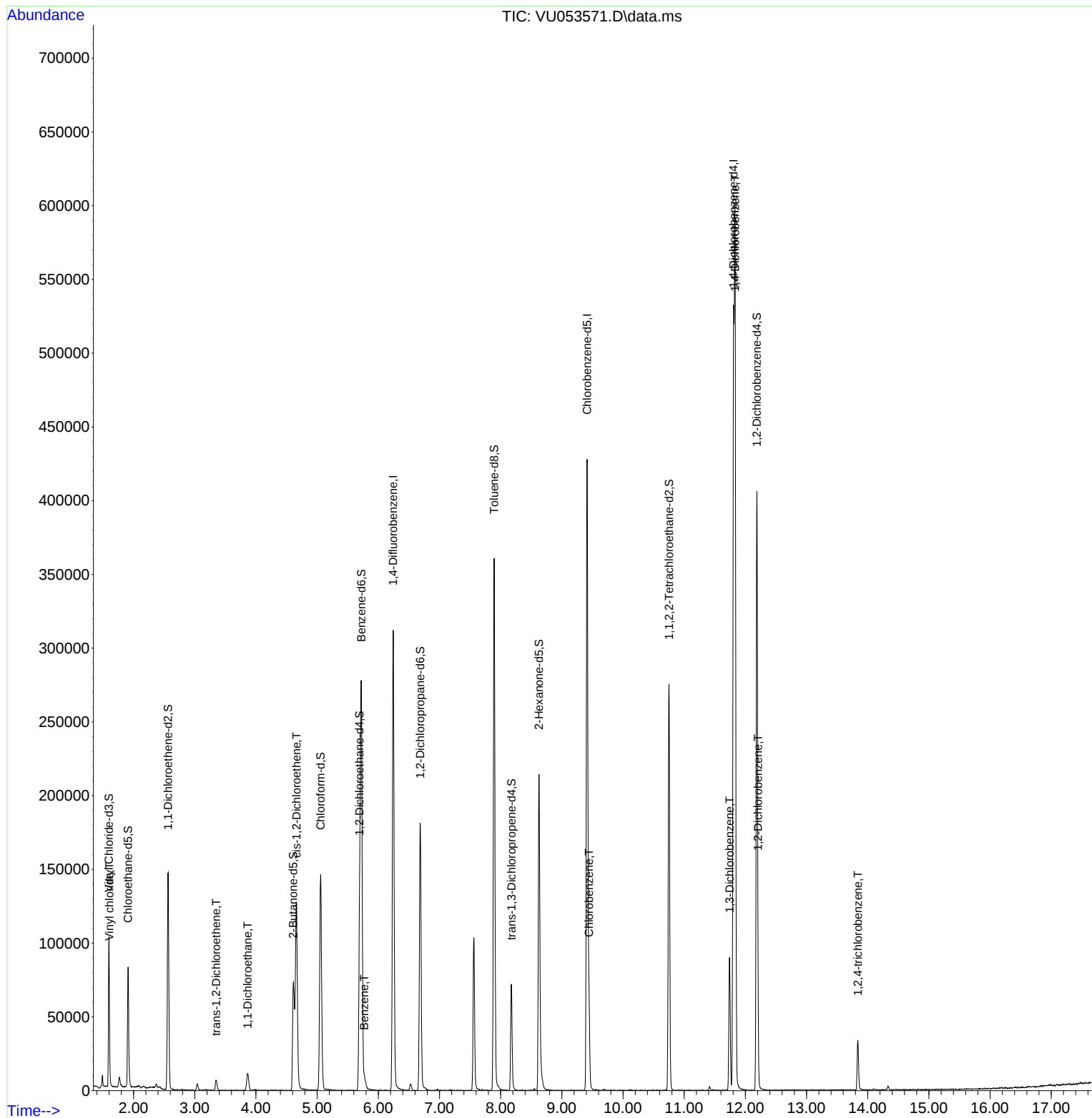
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	267694	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	249058	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	130505	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	68937	33.072	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	66.140%		
7) Chloroethane-d5	1.909	69	62323	38.779	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	77.560%		
11) 1,1-Dichloroethene-d2	2.562	63	85821	26.598	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	53.200%#		
21) 2-Butanone-d5	4.610	46	104037	110.239	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	110.240%		
24) Chloroform-d	5.057	84	137927	40.010	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.020%		
26) 1,2-Dichloroethane-d4	5.694	65	89558	43.966	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.940%		
32) Benzene-d6	5.723	84	271961	40.454	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.900%		
36) 1,2-Dichloropropane-d6	6.684	67	90637	44.109	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.220%		
41) Toluene-d8	7.893	98	251527	37.643	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	75.280%#		
43) trans-1,3-Dichloroprop...	8.176	79	42338	39.915	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.840%		
47) 2-Hexanone-d5	8.626	63	77273	110.187	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	110.190%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	133316	46.032	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.060%		
66) 1,2-Dichlorobenzene-d4	12.189	152	108959	39.998	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	80.000%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	4056	1.960	ug/L #	74
17) trans-1,2-Dichloroethene	3.350	96	3112	1.885	ug/L	85
19) 1,1-Dichloroethane	3.864	63	14077	5.148	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	67188	35.237	ug/L	88
33) Benzene	5.771	78	5792	0.893	ug/L	100
51) Chlorobenzene	9.443	112	33057	6.524	ug/L	94
64) 1,3-Dichlorobenzene	11.742	146	38435	9.533	ug/L	95
65) 1,4-Dichlorobenzene	11.832	146	228507	55.610	ug/L	97
67) 1,2-Dichlorobenzene	12.205	146	3894	0.969	ug/L #	94
70) 1,2,4-trichlorobenzene	13.838	180	11373	4.109	ug/L	97

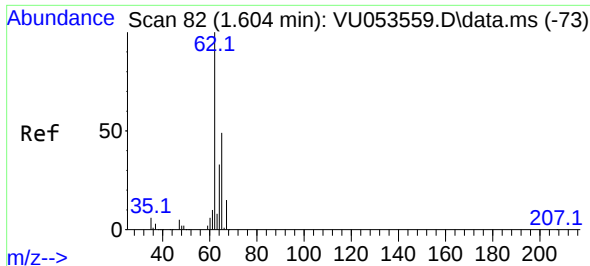
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040423\
Data File : VU053571.D
Acq On : 04 Apr 2023 19:06
Operator : JC/MD
Sample : 02158-14DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PMW-8S(20230330)DL

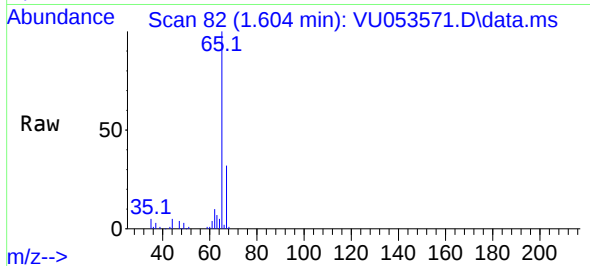
Quant Time: Apr 04 23:13:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 01 04:51:17 2023
Response via : Initial Calibration



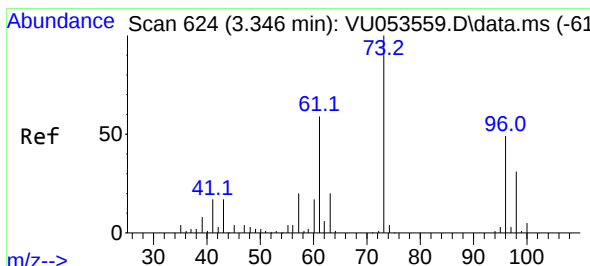
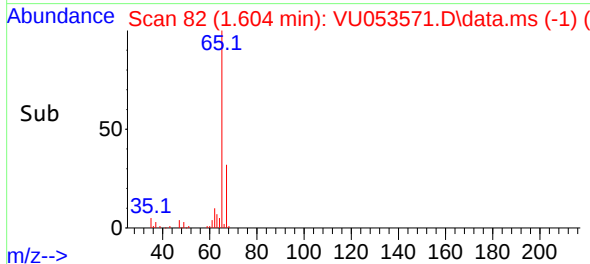
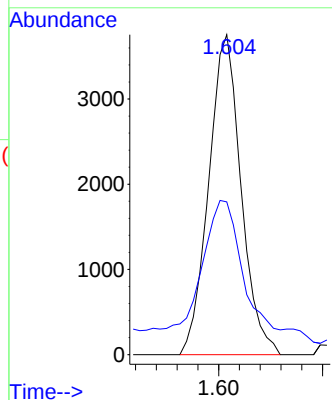


#5
Vinyl chloride
Concen: 1.960 ug/L
RT: 1.604 min Scan# 81
Delta R.T. 0.000 min
Lab File: VU053571.D
Acq: 04 Apr 2023 19:06

Instrument :
MSVOA_U
ClientSampleId :
PMW-8S(20230330)DL

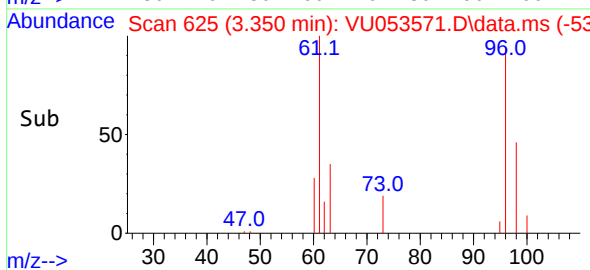
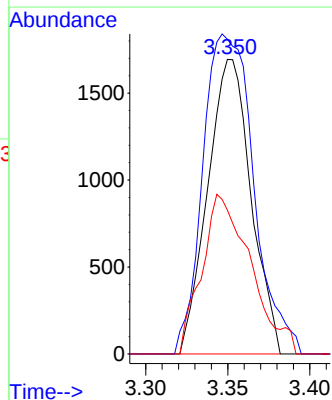
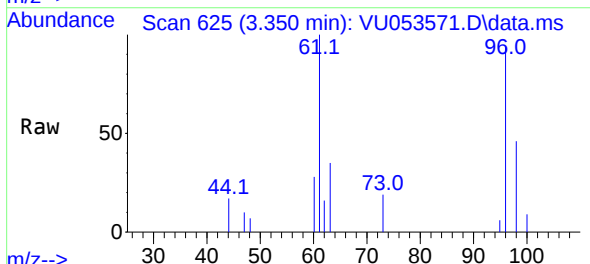


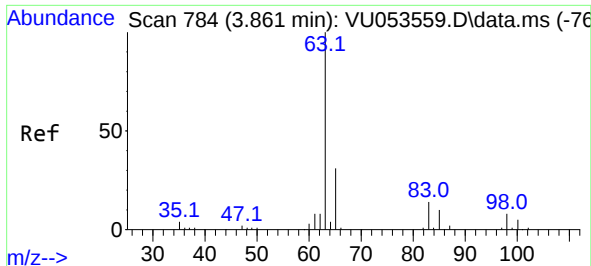
Tgt Ion: 62 Resp: 4056
Ion Ratio Lower Upper
62 100
64 47.7 23.2 43.0#



#17
trans-1,2-Dichloroethene
Concen: 1.885 ug/L
RT: 3.350 min Scan# 625
Delta R.T. 0.000 min
Lab File: VU053571.D
Acq: 04 Apr 2023 19:06

Tgt Ion: 96 Resp: 3112
Ion Ratio Lower Upper
96 100
61 106.8 84.4 156.8
98 48.8 46.0 85.4





#19

1,1-Dichloroethane

Concen: 5.148 ug/L

RT: 3.864 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU053571.D

Acq: 04 Apr 2023 19:06

Instrument :

MSVOA_U

ClientSampleId :

PMW-8S(20230330)DL

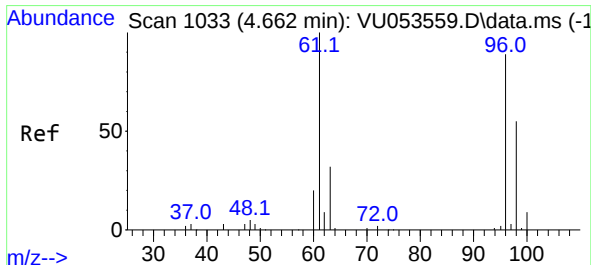
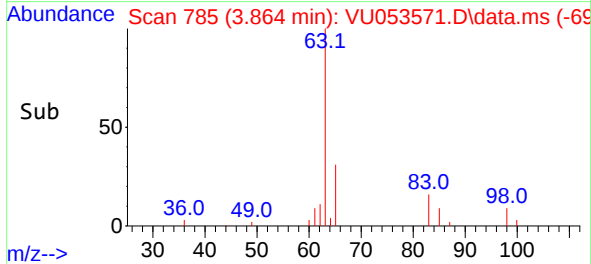
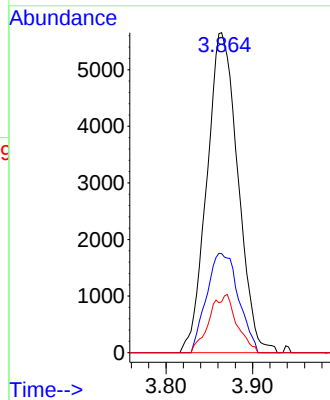
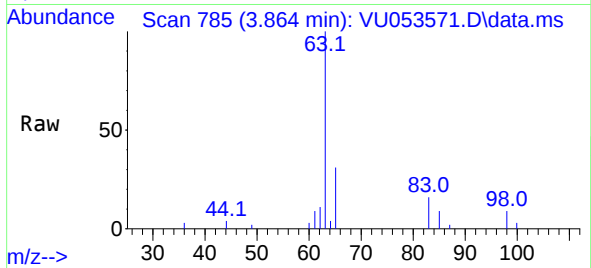
Tgt Ion: 63 Resp: 14077

Ion Ratio Lower Upper

63 100

65 31.0 22.0 41.0

83 15.9 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 35.237 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU053571.D

Acq: 04 Apr 2023 19:06

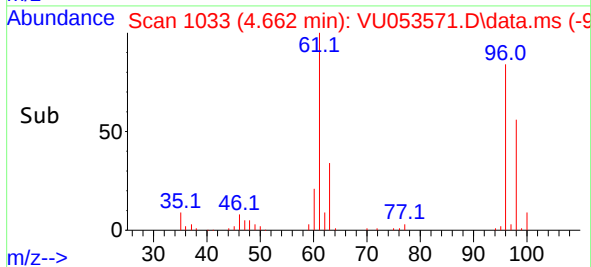
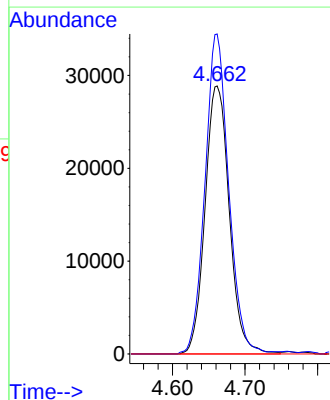
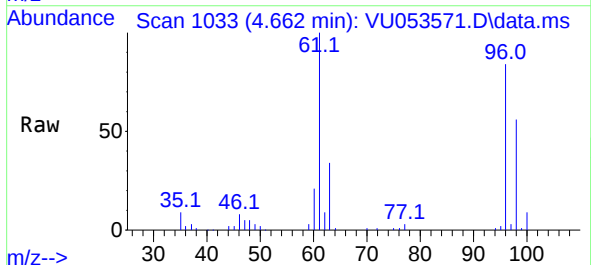
Tgt Ion: 96 Resp: 67188

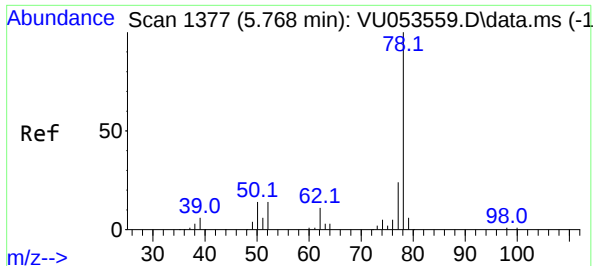
Ion Ratio Lower Upper

96 100

61 119.4 74.7 138.7

68 0.0 0.0 0.0

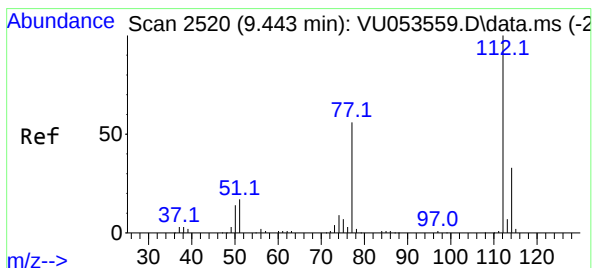
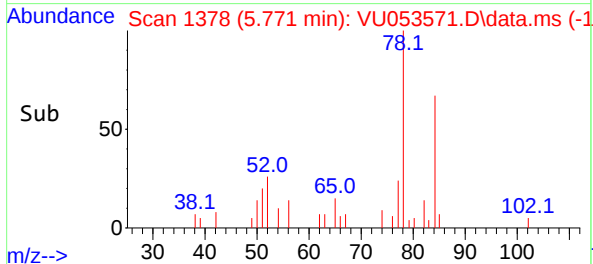
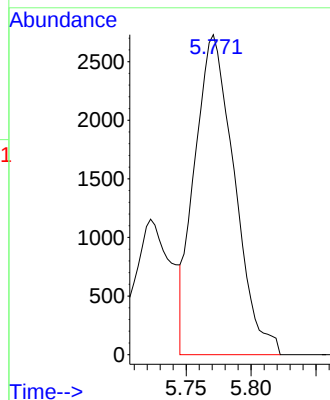
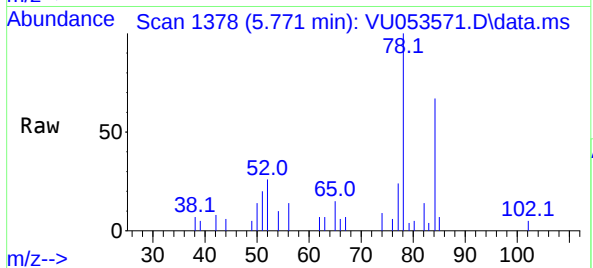




#33
Benzene
Concen: 0.893 ug/L
RT: 5.771 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU053571.D
Acq: 04 Apr 2023 19:06

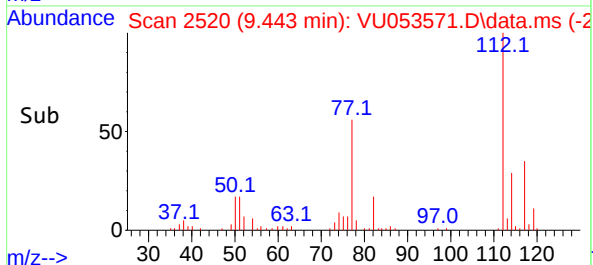
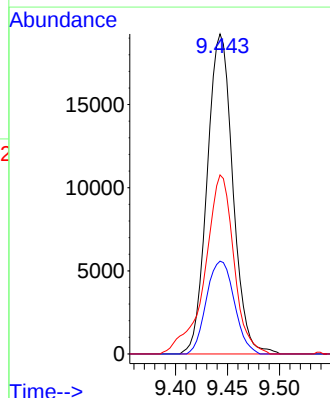
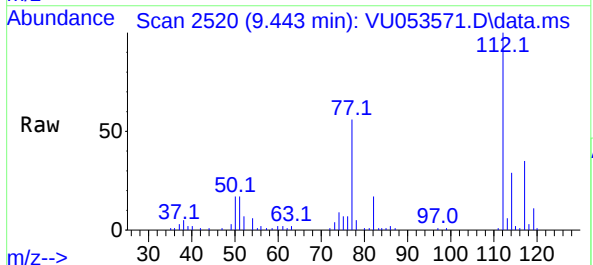
Instrument :
MSVOA_U
ClientSampleId :
PMW-8S(20230330)DL

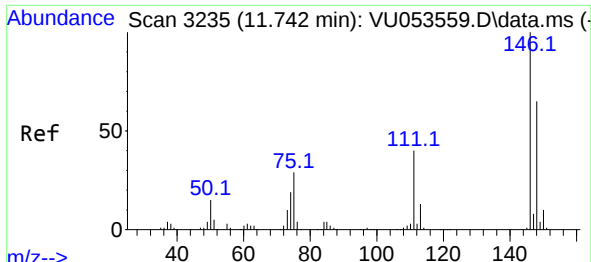
Tgt Ion: 78 Resp: 5792



#51
Chlorobenzene
Concen: 6.524 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053571.D
Acq: 04 Apr 2023 19:06

Tgt Ion: 112 Resp: 33057
Ion Ratio Lower Upper
112 100
114 29.0 22.2 41.2
77 56.0 41.3 61.9

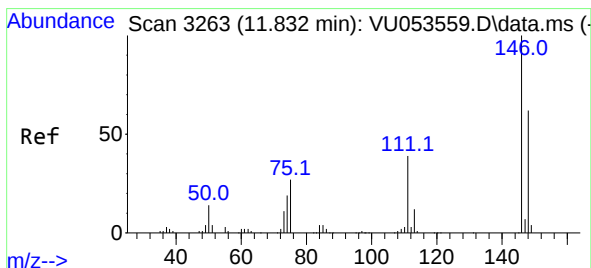
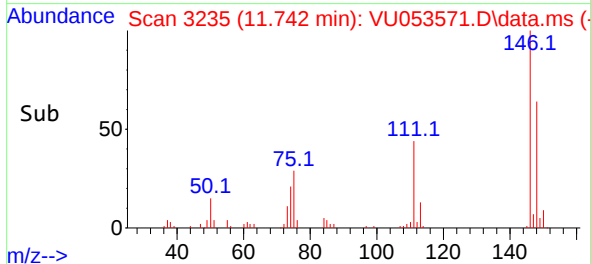
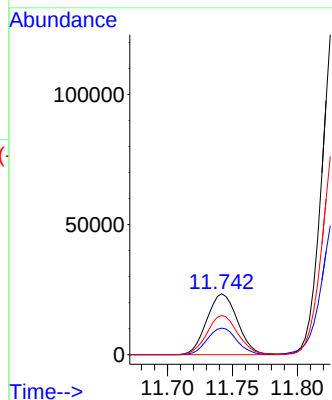
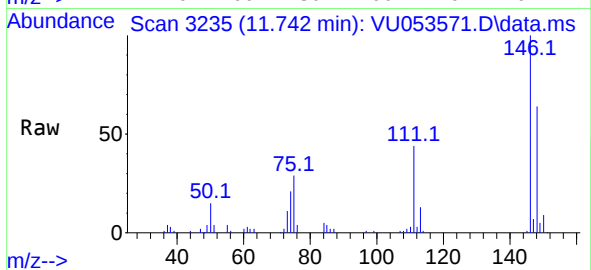




#64
1,3-Dichlorobenzene
Concen: 9.533 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053571.D
Acq: 04 Apr 2023 19:06

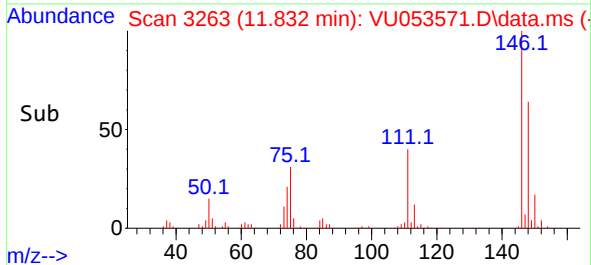
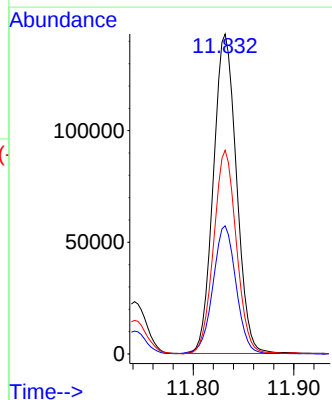
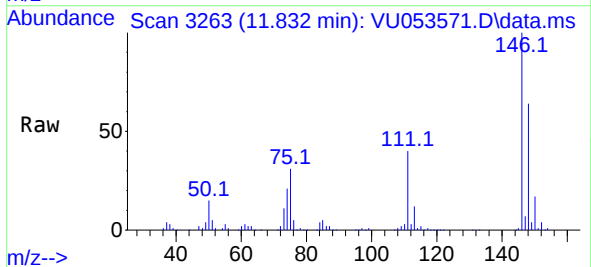
Instrument :
MSVOA_U
ClientSampleId :
PMW-8S(20230330)DL

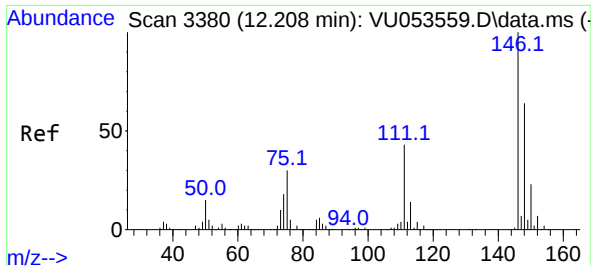
Tgt Ion:146 Resp: 38435
Ion Ratio Lower Upper
146 100
111 43.6 25.7 47.7
148 64.2 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 55.610 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053571.D
Acq: 04 Apr 2023 19:06

Tgt Ion:146 Resp: 228507
Ion Ratio Lower Upper
146 100
111 40.1 25.1 46.5
148 63.7 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 0.969 ug/L

RT: 12.205 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU053571.D

Acq: 04 Apr 2023 19:06

Instrument :

MSVOA_U

ClientSampleId :

PMW-8S(20230330)DL

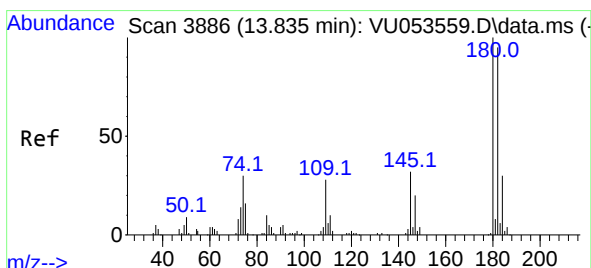
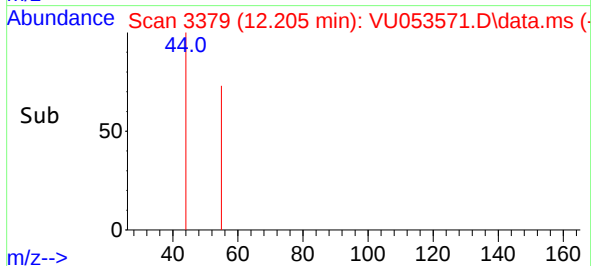
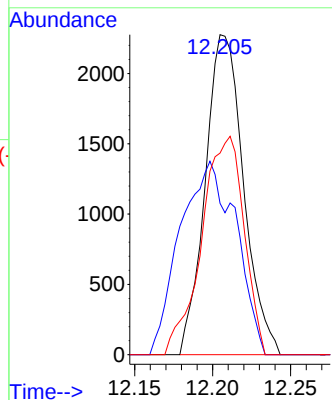
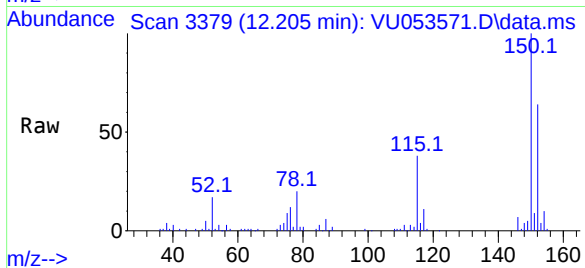
Tgt Ion:146 Resp: 3894

Ion Ratio Lower Upper

146 100

111 47.3 31.5 47.3#

148 63.0 51.6 77.4



#70

1,2,4-trichlorobenzene

Concen: 4.109 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU053571.D

Acq: 04 Apr 2023 19:06

Tgt Ion:180 Resp: 11373

Ion Ratio Lower Upper

180 100

182 98.7 75.8 113.8

145 29.4 23.4 35.2

