

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040423\
 Data File : VU053554.D
 Acq On : 04 Apr 2023 12:10
 Operator : JC/MD
 Sample : 02158-01RE
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-7S(20230329)RE

Quant Time: Apr 04 12:36:21 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)

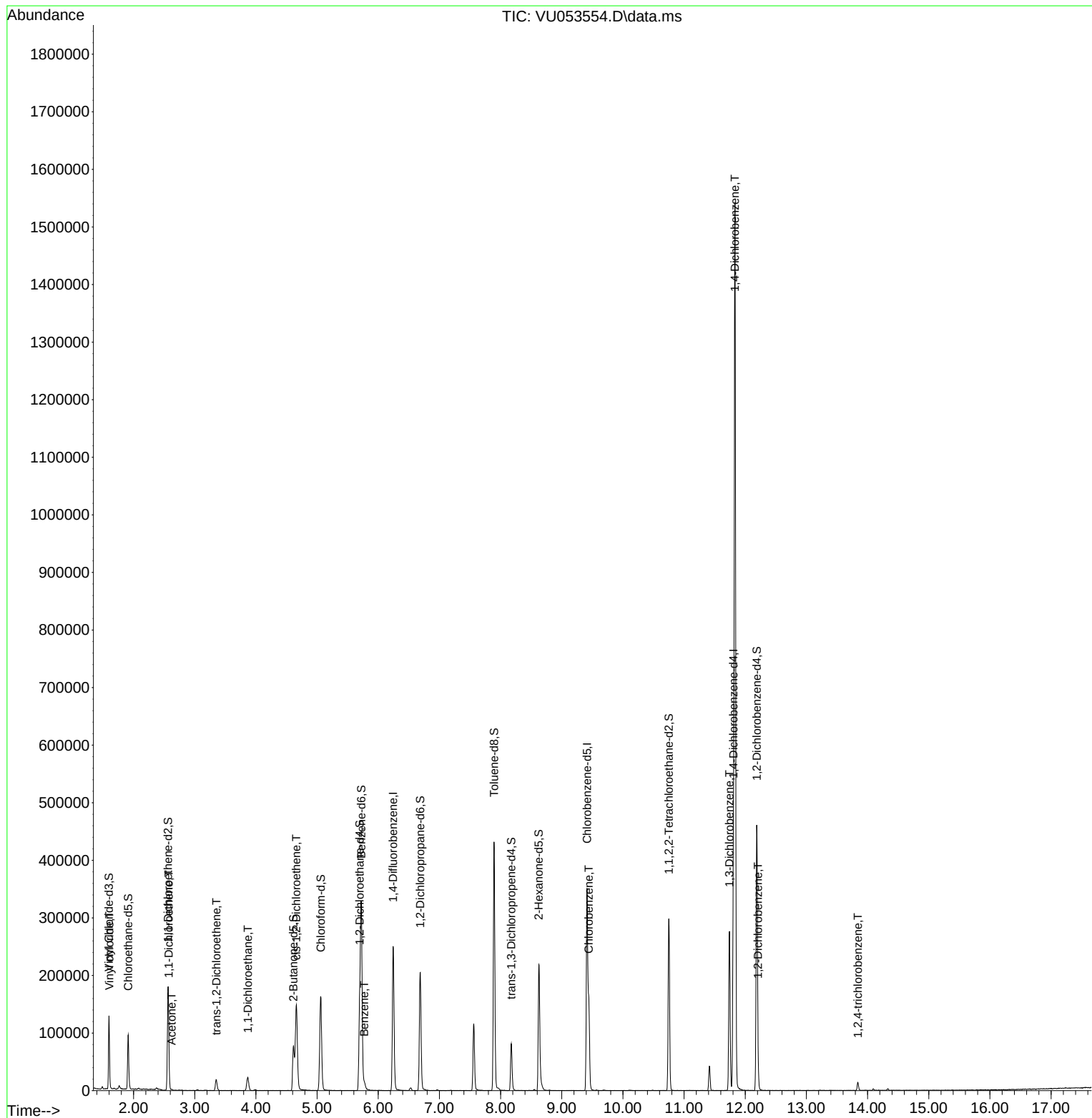
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	216925	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	200164	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	106442	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	83978	49.717	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.440%
7) Chloroethane-d5	1.912	69	71573	54.957	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.920%
11) 1,1-Dichloroethene-d2	2.565	63	103803	39.700	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.400%
21) 2-Butanone-d5	4.613	46	103243	135.001	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	135.000%#
24) Chloroform-d	5.060	84	155647	55.718	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.440%
26) 1,2-Dichloroethane-d4	5.697	65	100873	61.110	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	122.220%
32) Benzene-d6	5.722	84	315894	58.467	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.940%
36) 1,2-Dichloropropane-d6	6.687	67	100355	60.768	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	121.540%#
41) Toluene-d8	7.893	98	296889	55.286	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.580%
43) trans-1,3-Dichloroprop...	8.176	79	49251	57.775	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	115.560%
47) 2-Hexanone-d5	8.626	63	79445	140.956	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	140.960%#
56) 1,1,2,2-Tetrachloroeth...	10.751	84	144075	61.898	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	123.800%#
66) 1,2-Dichlorobenzene-d4	12.188	152	122427	55.102	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	6031	3.597	ug/L #	73
12) 1,1-Dichloroethene	2.575	96	2061	1.548	ug/L #	1
13) Acetone	2.623	43	1742	2.535	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	8503	6.356	ug/L	91
19) 1,1-Dichloroethane	3.867	63	26711	12.054	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	79296	51.320	ug/L	88
33) Benzene	5.771	78	11145	2.137	ug/L	100
51) Chlorobenzene	9.443	112	84740	20.810	ug/L	98
64) 1,3-Dichlorobenzene	11.741	146	115851	35.231	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	627966	187.372	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	10158	3.099	ug/L	96
70) 1,2,4-trichlorobenzene	13.841	180	5215	2.310	ug/L	96

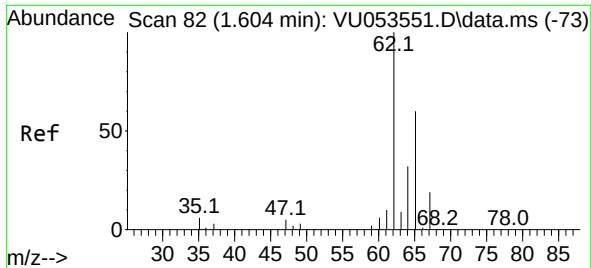
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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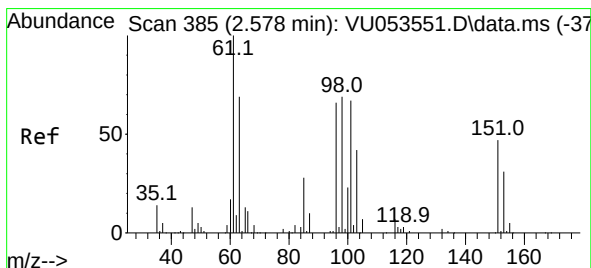
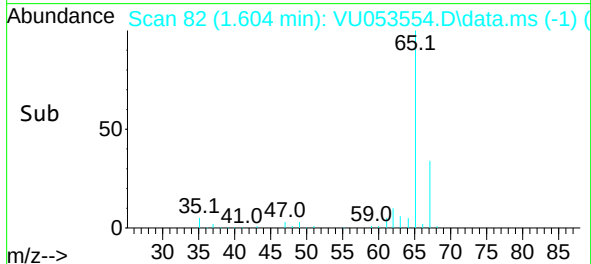
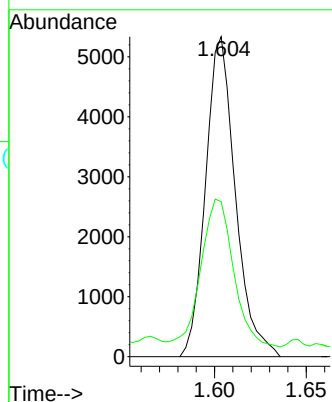
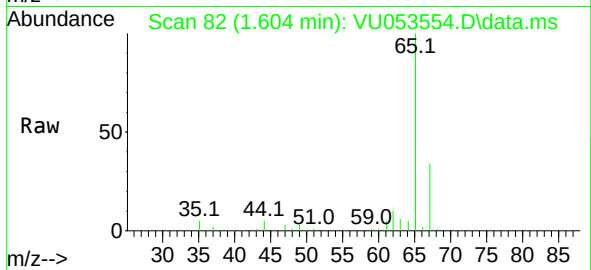




#5
 Vinyl chloride
 Concen: 3.597 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053554.D
 Acq: 04 Apr 2023 12:10

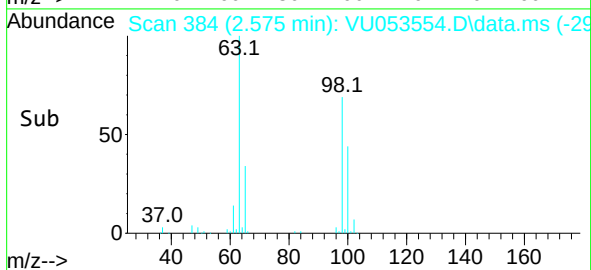
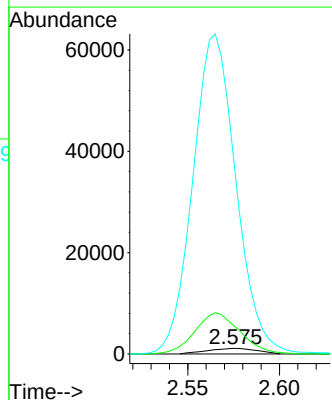
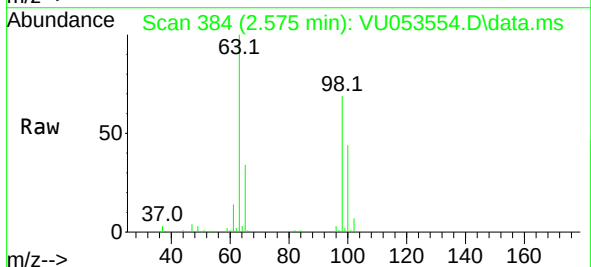
Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-7S(20230329)RE

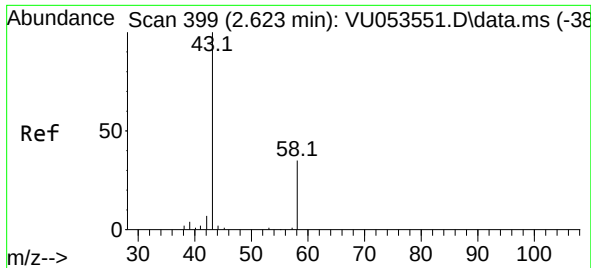
Tgt Ion: 62 Resp: 6031
 Ion Ratio Lower Upper
 62 100
 64 48.5 23.2 43.0#



#12
 1,1-Dichloroethene
 Concen: 1.548 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU053554.D
 Acq: 04 Apr 2023 12:10

Tgt Ion: 96 Resp: 2061
 Ion Ratio Lower Upper
 96 100
 61 519.2 107.9 200.5#
 63 3601.8 79.1 146.9#





#13

Acetone

Concen: 2.535 ug/L

RT: 2.623 min Scan# 399

Delta R.T. 0.003 min

Lab File: VU053554.D

Acq: 04 Apr 2023 12:10

Instrument :

MSVOA_U

ClientSampleId :

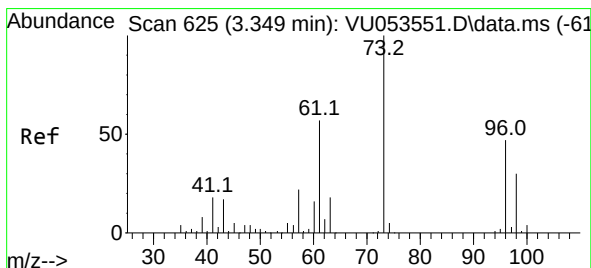
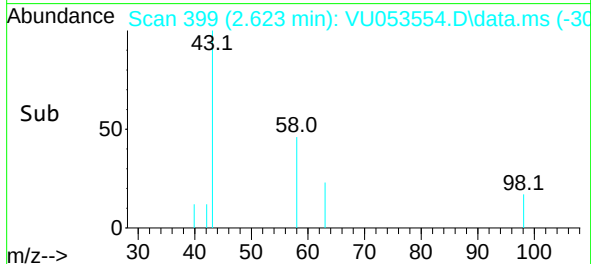
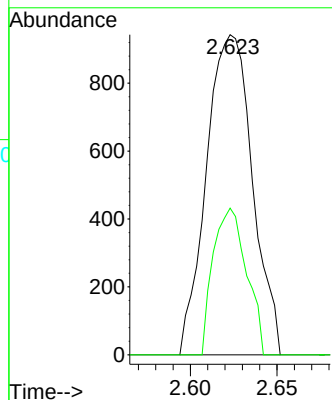
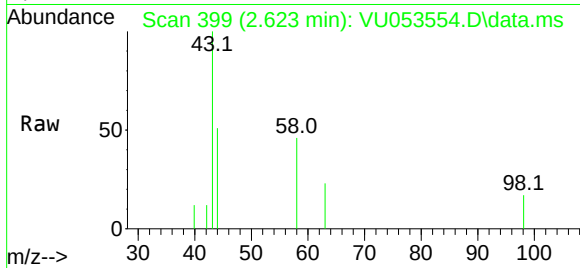
PMW-7S(20230329)RE

Tgt Ion: 43 Resp: 1742

Ion Ratio Lower Upper

43 100

58 33.1 0.0 70.2



#17

trans-1,2-Dichloroethene

Concen: 6.356 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.003 min

Lab File: VU053554.D

Acq: 04 Apr 2023 12:10

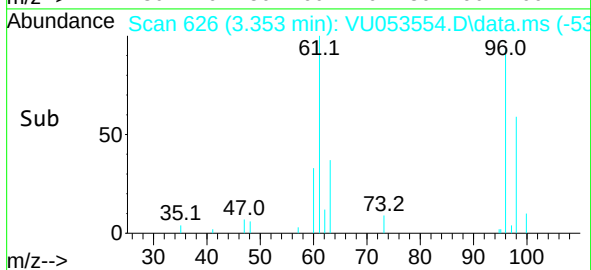
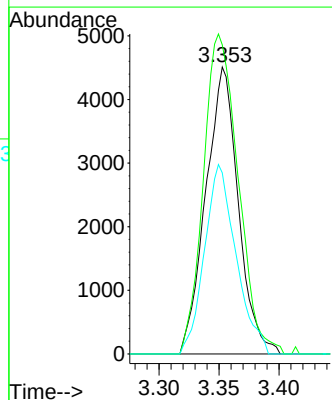
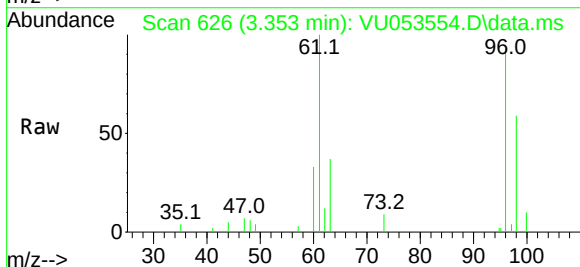
Tgt Ion: 96 Resp: 8503

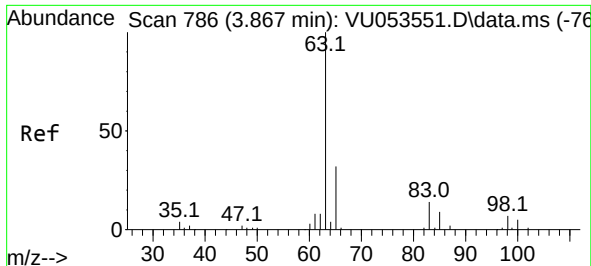
Ion Ratio Lower Upper

96 100

61 107.7 84.4 156.8

98 63.1 46.0 85.4





#19

1,1-Dichloroethane

Concen: 12.054 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU053554.D

Acq: 04 Apr 2023 12:10

Instrument :

MSVOA_U

ClientSampleId :

PMW-7S(20230329)RE

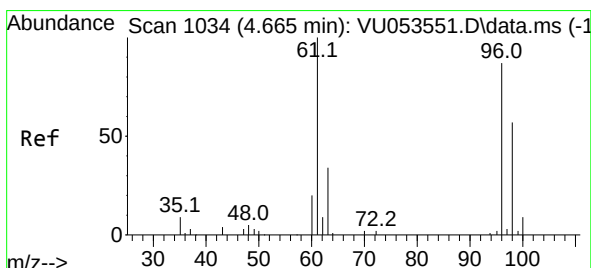
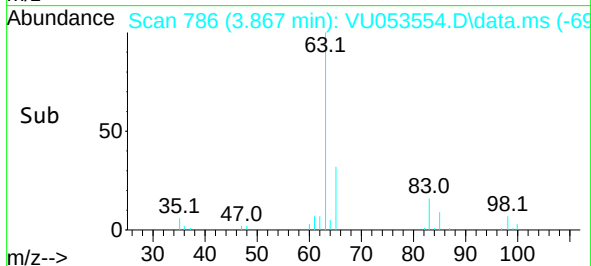
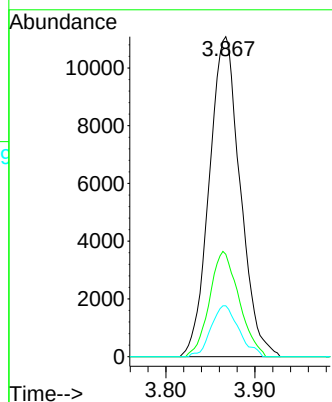
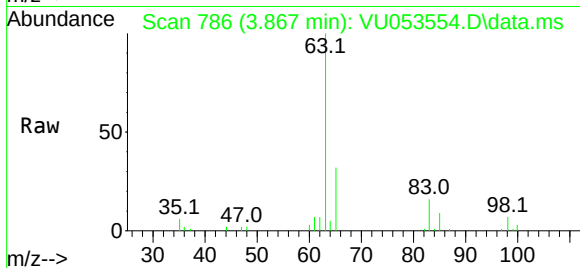
Tgt Ion: 63 Resp: 26711

Ion Ratio Lower Upper

63 100

65 32.0 22.0 41.0

83 15.9 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 51.320 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU053554.D

Acq: 04 Apr 2023 12:10

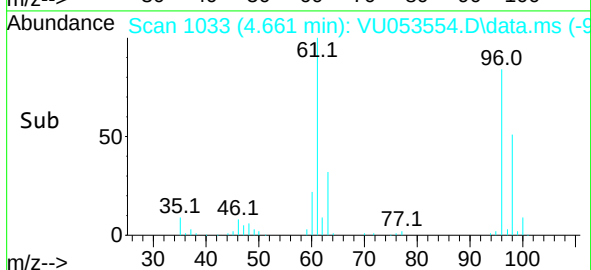
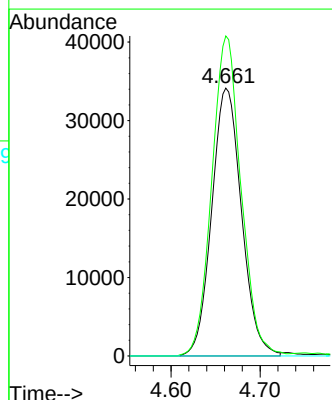
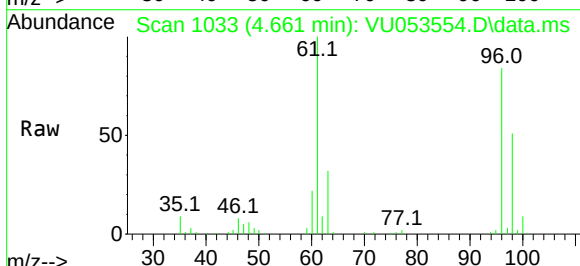
Tgt Ion: 96 Resp: 79296

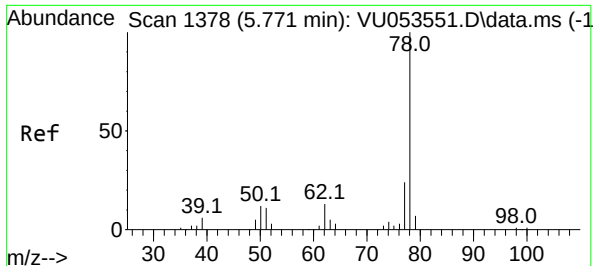
Ion Ratio Lower Upper

96 100

61 119.5 74.7 138.7

68 0.0 0.0 0.0

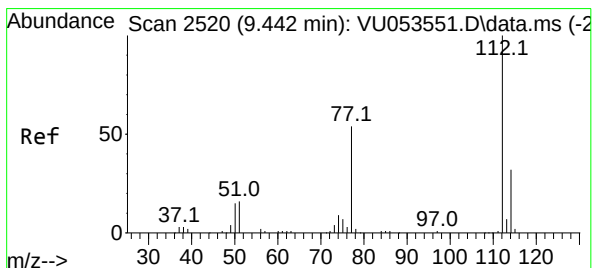
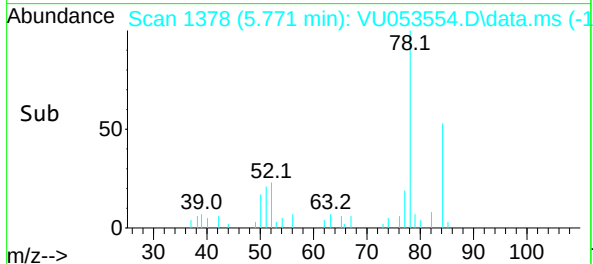
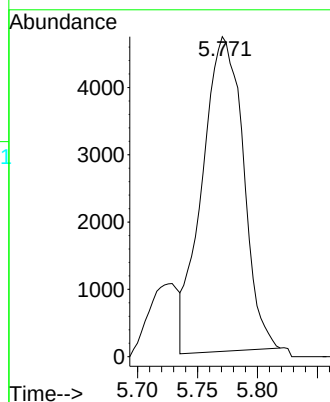
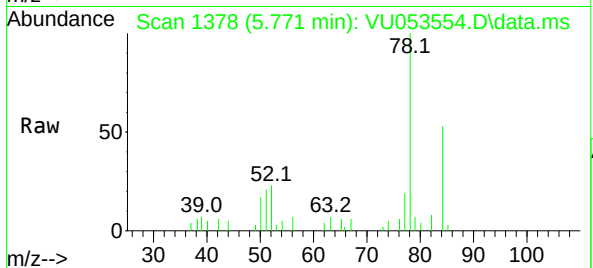




#33
Benzene
Concen: 2.137 ug/L
RT: 5.771 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU053554.D
Acq: 04 Apr 2023 12:10

Instrument :
MSVOA_U
ClientSampleId :
PMW-7S(20230329)RE

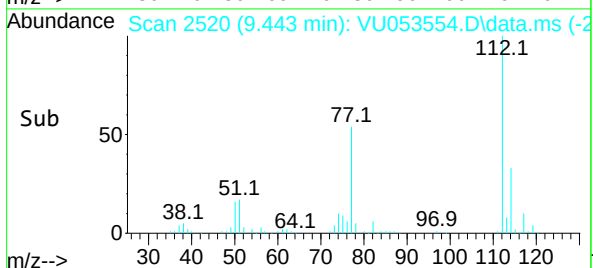
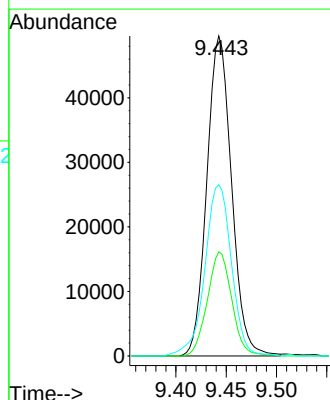
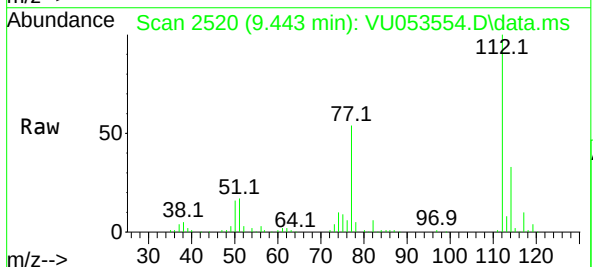
Tgt Ion: 78 Resp: 11145

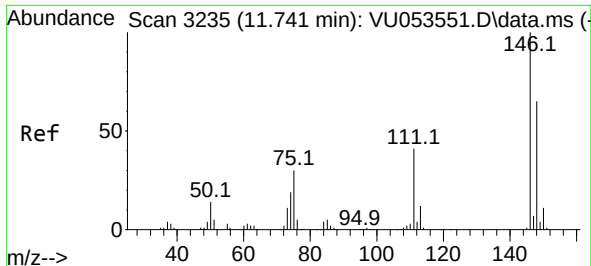


#51
Chlorobenzene
Concen: 20.810 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053554.D
Acq: 04 Apr 2023 12:10

Tgt Ion: 112 Resp: 84740

Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.2	41.2
77	53.5	41.3	61.9

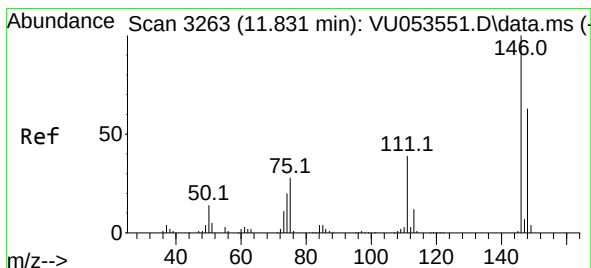
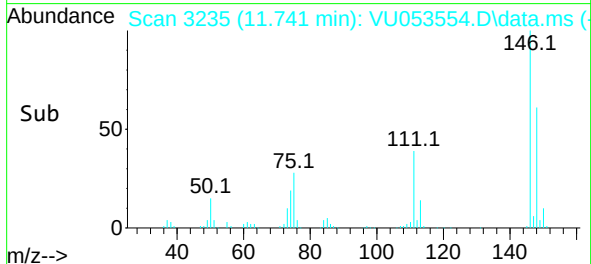
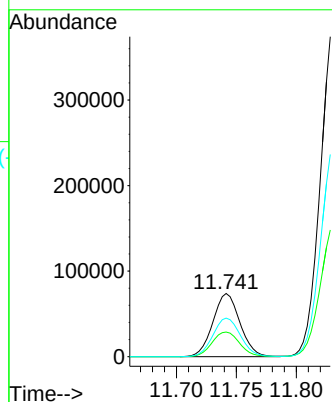
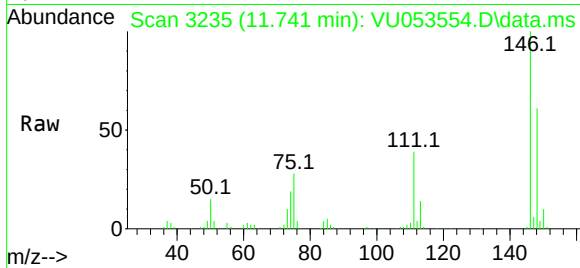




#64
1,3-Dichlorobenzene
Concen: 35.231 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053554.D
Acq: 04 Apr 2023 12:10

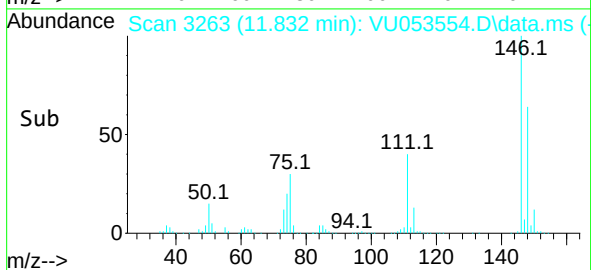
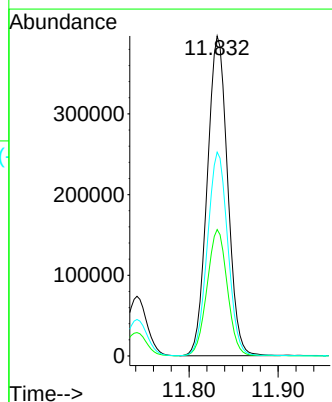
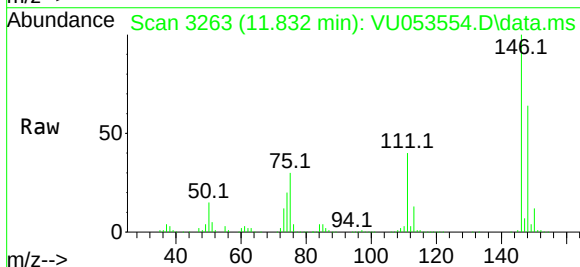
Instrument :
MSVOA_U
ClientSampleId :
PMW-7S(20230329)RE

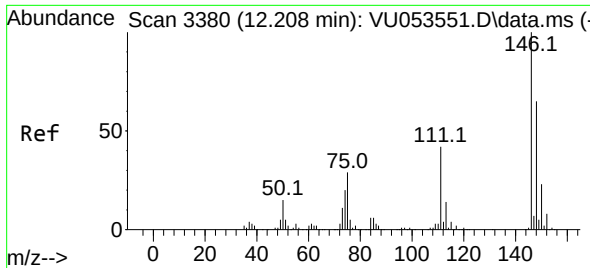
Tgt Ion:146 Resp: 115851
Ion Ratio Lower Upper
146 100
111 39.1 25.7 47.7
148 61.1 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 187.372 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053554.D
Acq: 04 Apr 2023 12:10

Tgt Ion:146 Resp: 627966
Ion Ratio Lower Upper
146 100
111 39.5 25.1 46.5
148 63.7 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 3.099 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. -0.000 min

Lab File: VU053554.D

Acq: 04 Apr 2023 12:10

Instrument :

MSVOA_U

ClientSampleId :

PMW-7S(20230329)RE

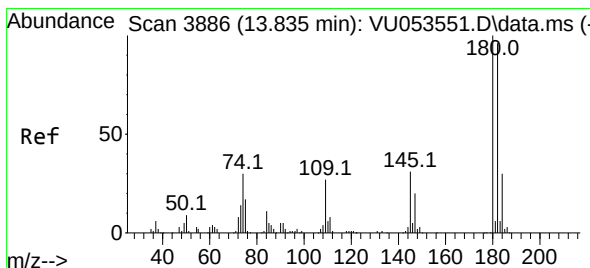
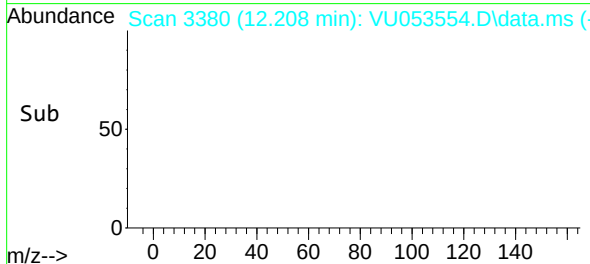
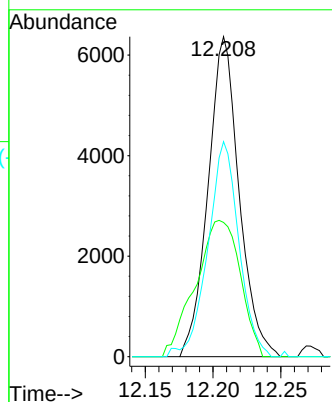
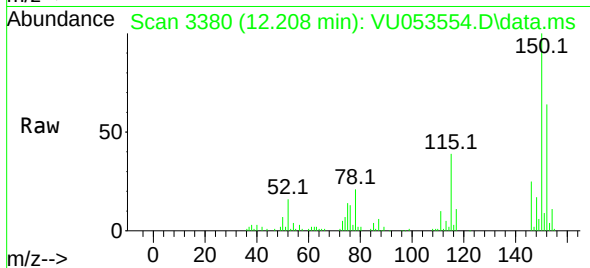
Tgt Ion:146 Resp: 10158

Ion Ratio Lower Upper

146 100

111 42.0 31.5 47.3

148 67.2 51.6 77.4



#70

1,2,4-trichlorobenzene

Concen: 2.310 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.006 min

Lab File: VU053554.D

Acq: 04 Apr 2023 12:10

Tgt Ion:180 Resp: 5215

Ion Ratio Lower Upper

180 100

182 91.9 75.8 113.8

145 33.9 23.4 35.2

