

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100323\
 Data File : VU055639.D
 Acq On : 03 Oct 2023 14:30
 Operator : MD/SY
 Sample : 04679-18DL 2000X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-5(20230928)DL

Quant Time: Oct 04 04:43:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 04 04:40:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	176220	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	182931	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	97357	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	85626	4.808	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.200%
7) Chloroethane-d5	1.911	69	69307	4.416	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.400%
11) 1,1-Dichloroethene-d2	2.566	65	34888	4.759	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.200%
20) 2-Butanone-d5	4.624	46	121125	37.652	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.300%
24) Chloroform-d	5.058	84	141930	4.406	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
26) 1,2-Dichloroethane-d4	5.701	65	65104	4.201	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.000%
32) Benzene-d6	5.727	84	283642	4.433	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	6.689	67	85304	4.462	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.200%
41) Toluene-d8	7.897	98	246705	4.230	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.600%
43) trans-1,3-Dichloroprop...	8.177	79	28142	4.195	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.800%
46) 2-Hexanone-d5	8.631	63	72136	35.349	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.700%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	58197	4.062	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.200%
66) 1,2-Dichlorobenzene-d4	12.193	152	83218	4.235	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.800%

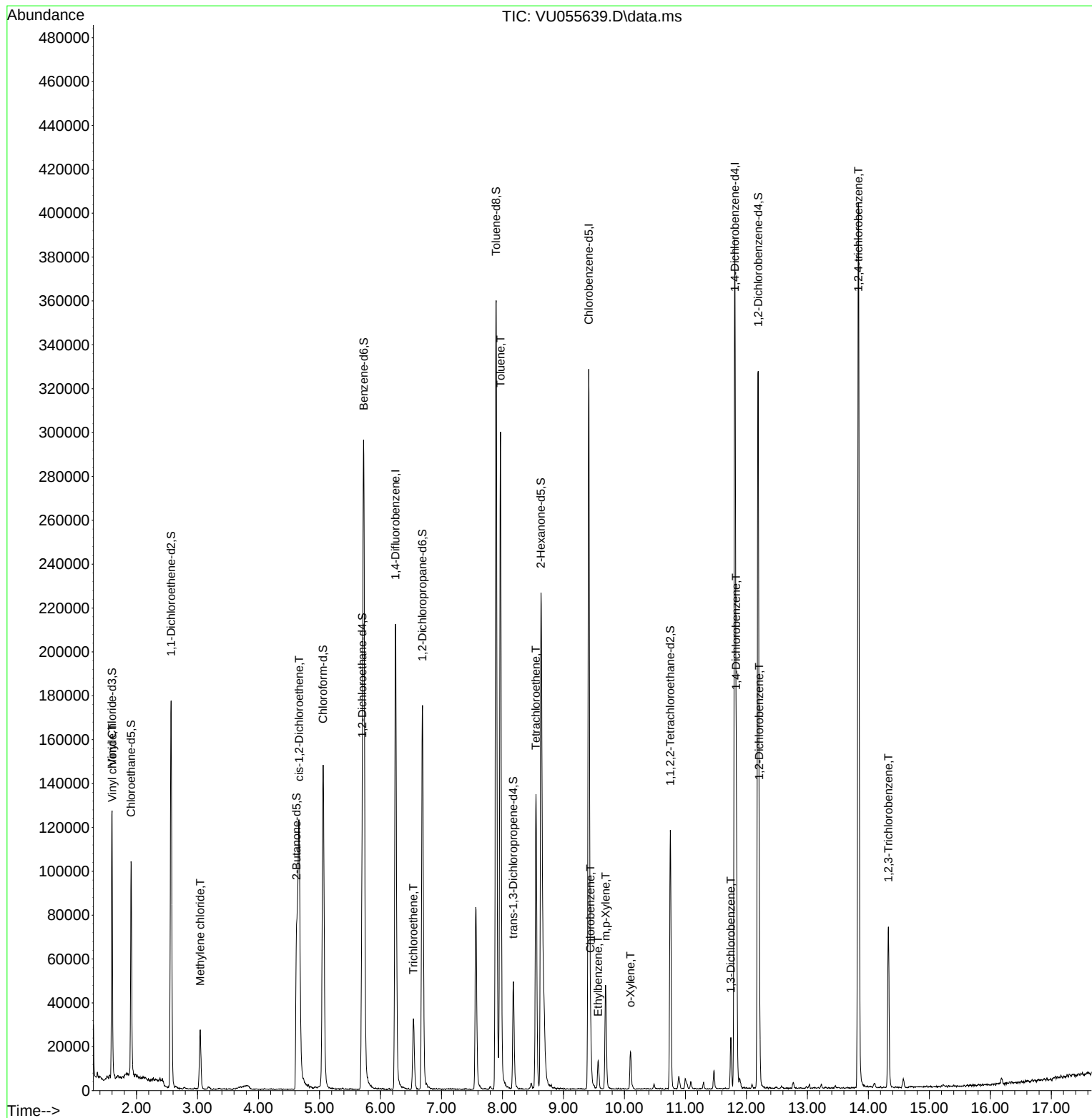
Target Compounds				Qvalue		
5) Vinyl chloride	1.602	62	2035	0.125	ug/L #	14
16) Methylene chloride	3.042	84	13012	0.881	ug/L	98
22) cis-1,2-Dichloroethene	4.666	96	54183	3.763	ug/L	95
34) Trichloroethene	6.541	95	10758	0.722	ug/L	95
42) Toluene	7.968	91	224956	4.006	ug/L	99
47) Tetrachloroethene	8.550	164	29004	2.715	ug/L	96
51) Chlorobenzene	9.444	112	10266	0.285	ug/L	96
52) Ethylbenzene	9.569	91	9484	0.158	ug/L	94
53) m,p-Xylene	9.692	106	14056	0.623	ug/L	91
54) o-Xylene	10.100	106	5024	0.229	ug/L	100
64) 1,3-Dichlorobenzene	11.746	146	9160	0.341	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	49144	1.830	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	13784	0.560	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	120490	8.543	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	22388	1.824	ug/L	97

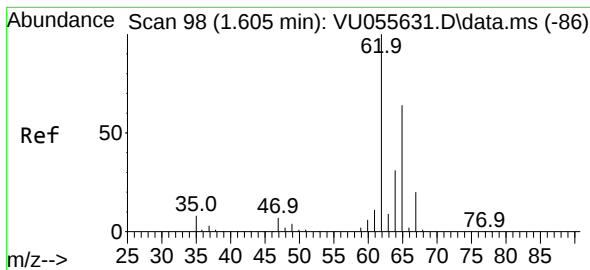
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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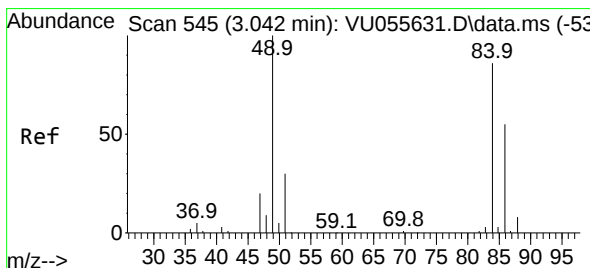
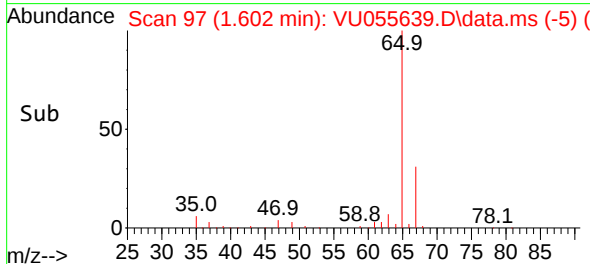
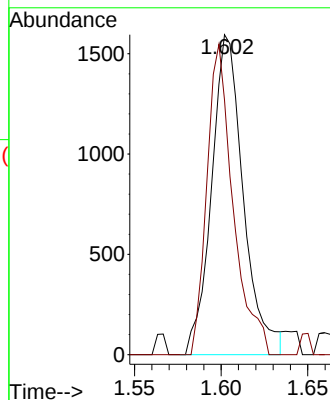
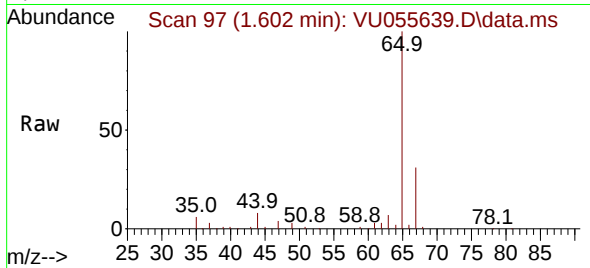




#5
 Vinyl chloride
 Concen: 0.125 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU055639.D
 Acq: 03 Oct 2023 14:30

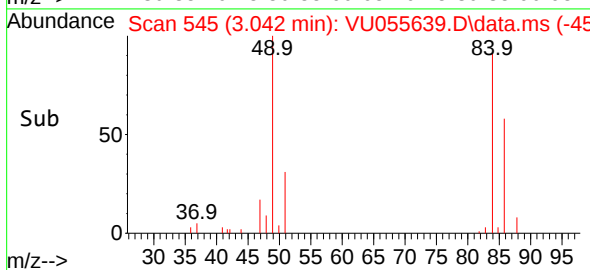
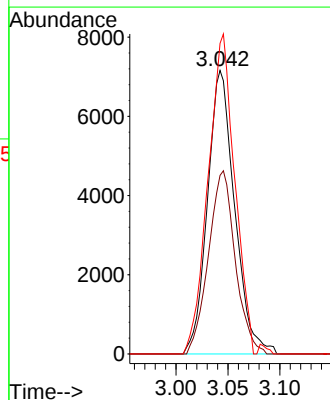
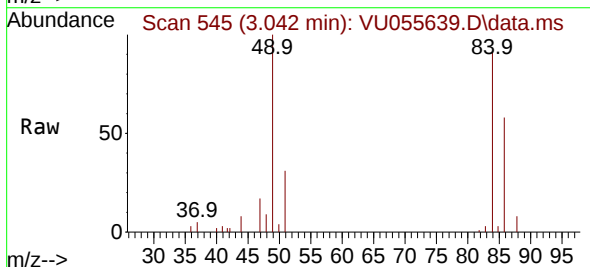
Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-5(20230928)DL

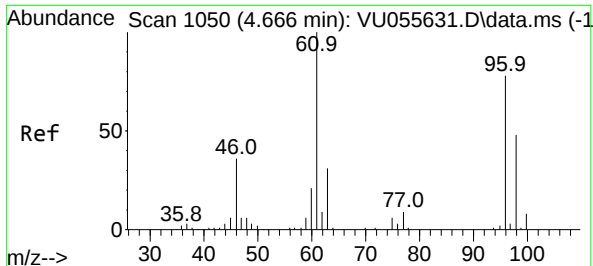
Tgt Ion: 62 Resp: 2035
 Ion Ratio Lower Upper
 62 100
 64 79.6 22.3 41.5#



#16
 Methylene chloride
 Concen: 0.881 ug/L
 RT: 3.042 min Scan# 545
 Delta R.T. 0.000 min
 Lab File: VU055639.D
 Acq: 03 Oct 2023 14:30

Tgt Ion: 84 Resp: 13012
 Ion Ratio Lower Upper
 84 100
 86 63.0 44.9 83.3
 49 109.6 78.8 146.3

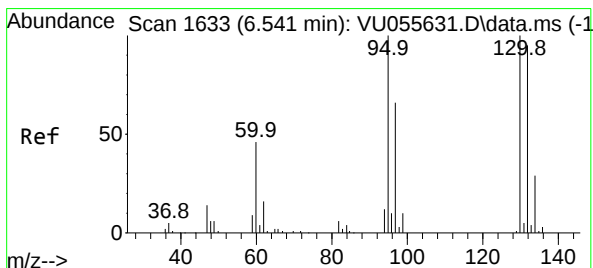
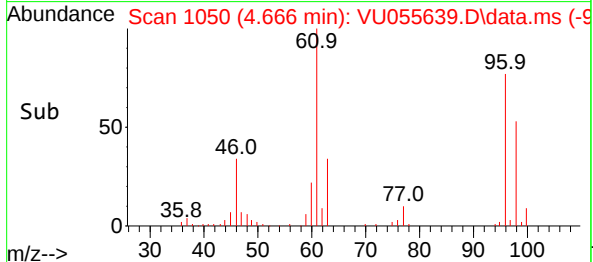
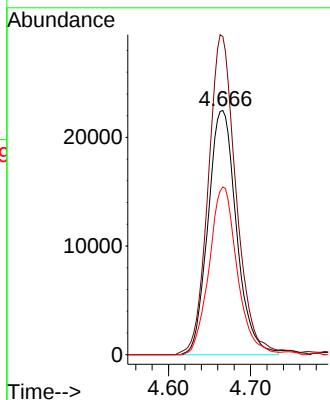
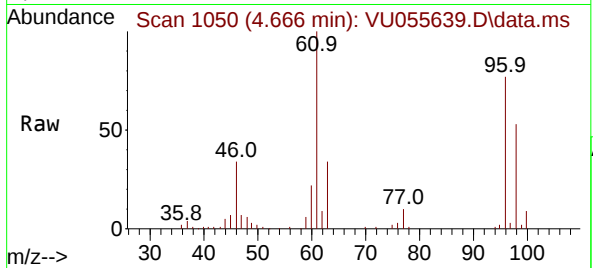




#22
cis-1,2-Dichloroethene
Concen: 3.763 ug/L
RT: 4.666 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VU055639.D
Acq: 03 Oct 2023 14:30

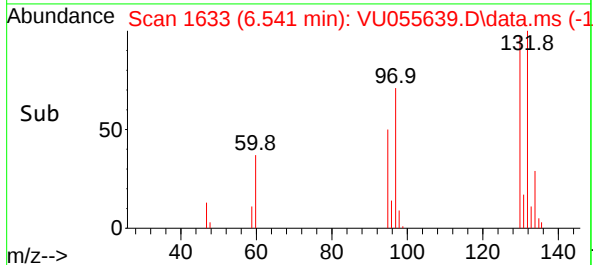
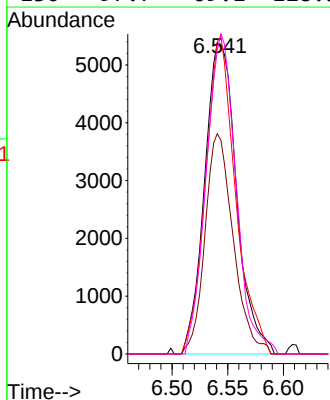
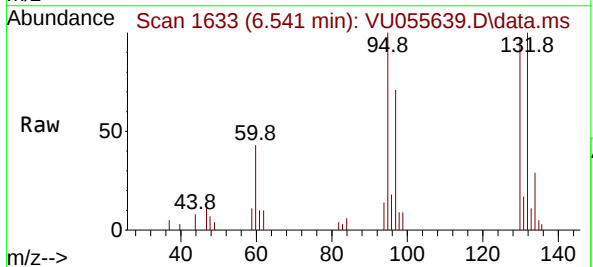
Instrument :
MSVOA_U
ClientSampleId :
PMW-5(20230928)DL

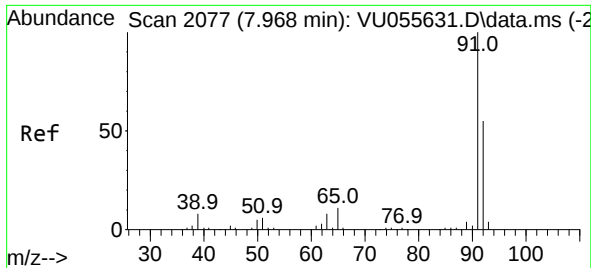
Tgt Ion: 96 Resp: 54183
Ion Ratio Lower Upper
96 100
61 130.3 87.8 163.2
98 68.7 44.4 82.4



#34
Trichloroethene
Concen: 0.722 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.000 min
Lab File: VU055639.D
Acq: 03 Oct 2023 14:30

Tgt Ion: 95 Resp: 10758
Ion Ratio Lower Upper
95 100
97 70.8 45.4 84.2
132 100.3 65.2 121.2
130 97.7 69.1 128.3





#42

Toluene

Concen: 4.006 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.000 min

Lab File: VU055639.D

Acq: 03 Oct 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

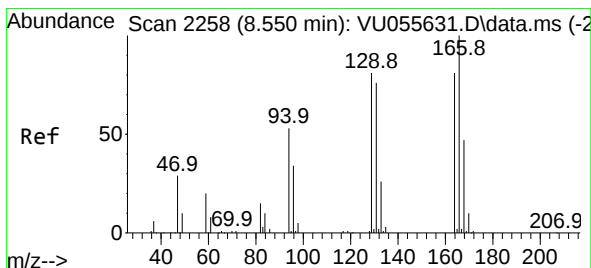
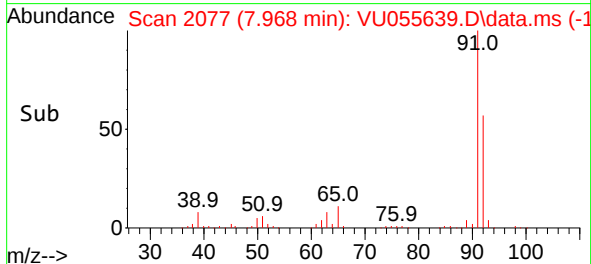
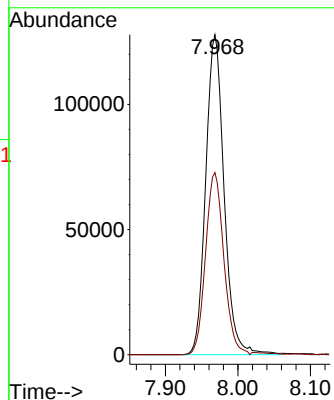
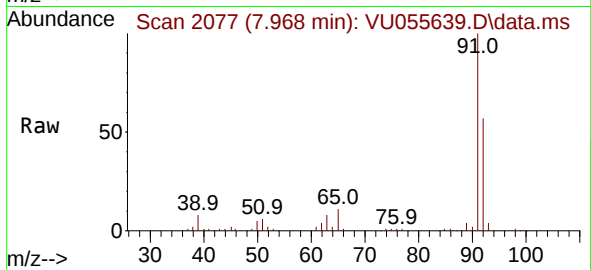
PMW-5(20230928)DL

Tgt Ion: 91 Resp: 224956

Ion Ratio Lower Upper

91 100

92 56.9 40.3 74.8



#47

Tetrachloroethene

Concen: 2.715 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.000 min

Lab File: VU055639.D

Acq: 03 Oct 2023 14:30

Tgt Ion: 164 Resp: 29004

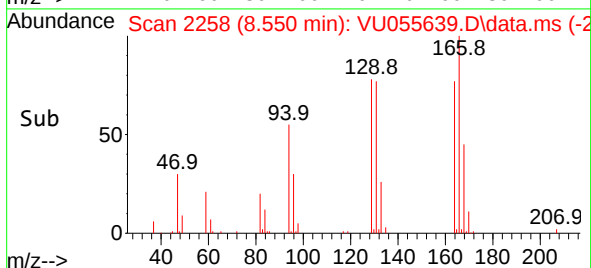
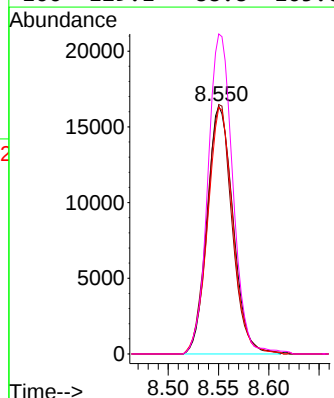
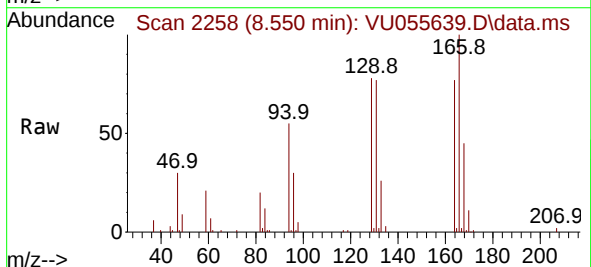
Ion Ratio Lower Upper

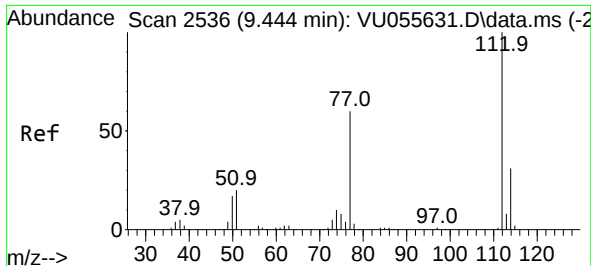
164 100

129 100.6 67.4 125.2

131 99.5 66.4 123.2

166 129.1 88.8 165.0

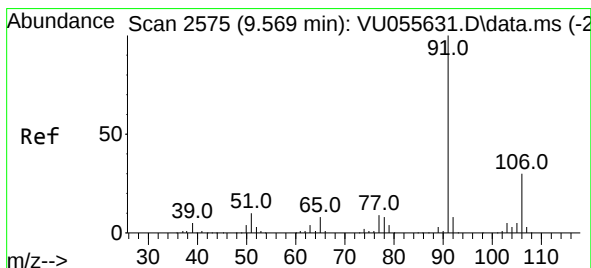
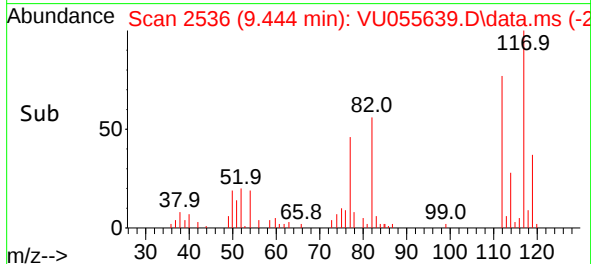
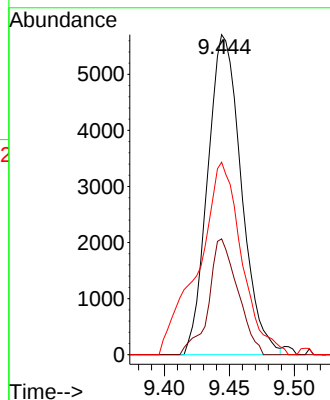
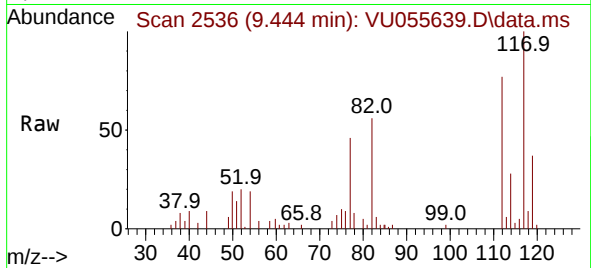




#51
Chlorobenzene
Concen: 0.285 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU055639.D
Acq: 03 Oct 2023 14:30

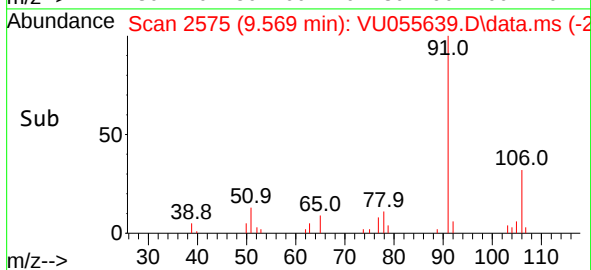
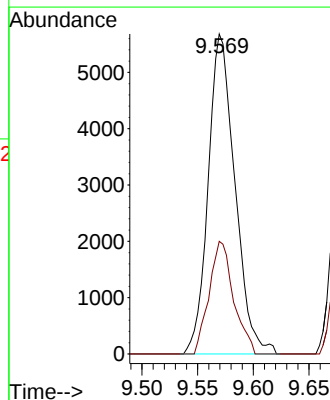
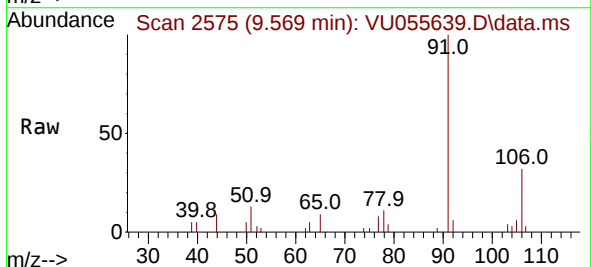
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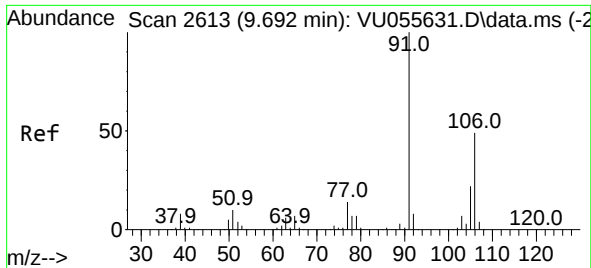
Tgt Ion:112 Resp: 10266
Ion Ratio Lower Upper
112 100
114 36.2 22.0 40.8
77 60.2 46.9 70.3



#52
Ethylbenzene
Concen: 0.158 ug/L
RT: 9.569 min Scan# 2575
Delta R.T. 0.000 min
Lab File: VU055639.D
Acq: 03 Oct 2023 14:30

Tgt Ion: 91 Resp: 9484
Ion Ratio Lower Upper
91 100
106 35.2 22.4 41.6

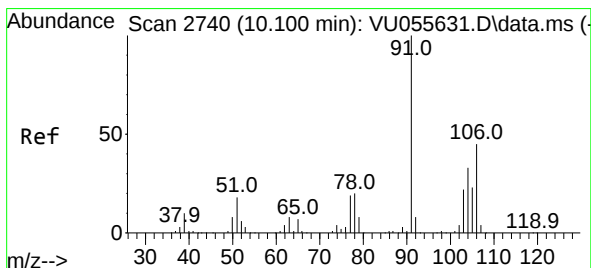
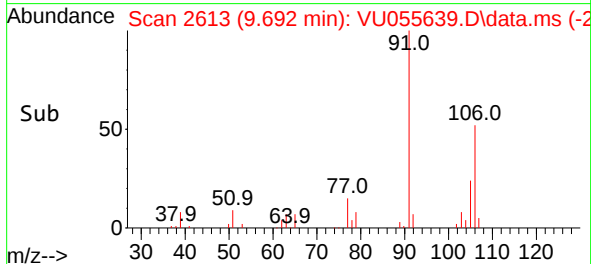
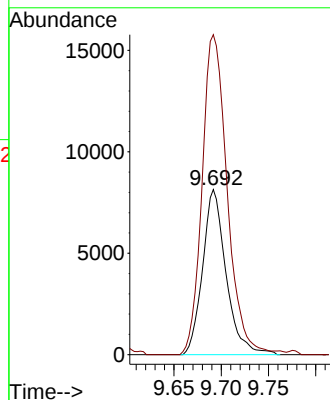
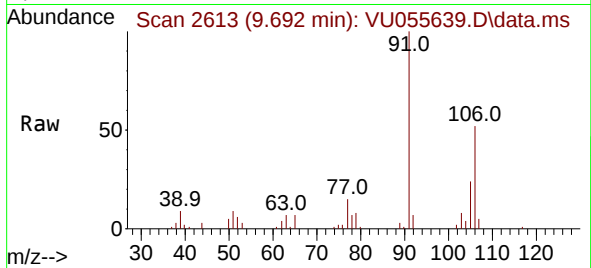




#53
m,p-Xylene
Concen: 0.623 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055639.D
Acq: 03 Oct 2023 14:30

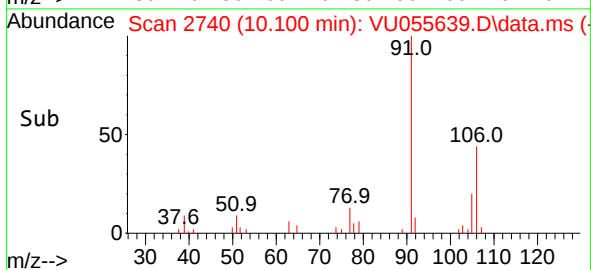
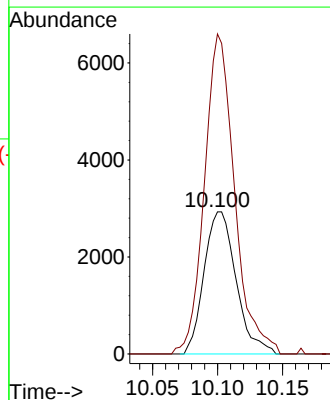
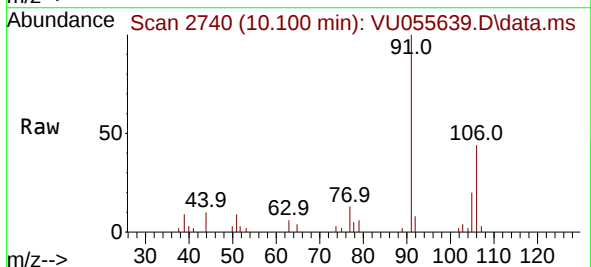
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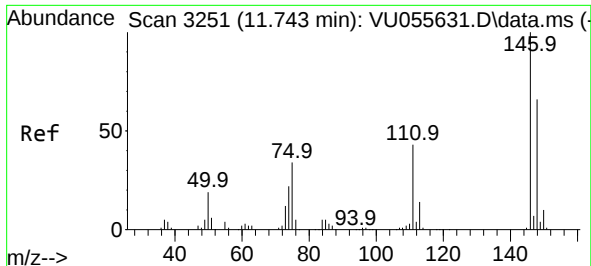
Tgt Ion:106 Resp: 14056
Ion Ratio Lower Upper
106 100
91 193.7 144.8 269.0



#54
o-Xylene
Concen: 0.229 ug/L
RT: 10.100 min Scan# 2740
Delta R.T. 0.000 min
Lab File: VU055639.D
Acq: 03 Oct 2023 14:30

Tgt Ion:106 Resp: 5024
Ion Ratio Lower Upper
106 100
91 225.1 157.6 292.8





#64

1,3-Dichlorobenzene

Concen: 0.341 ug/L

RT: 11.746 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055639.D

Acq: 03 Oct 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

PMW-5(20230928)DL

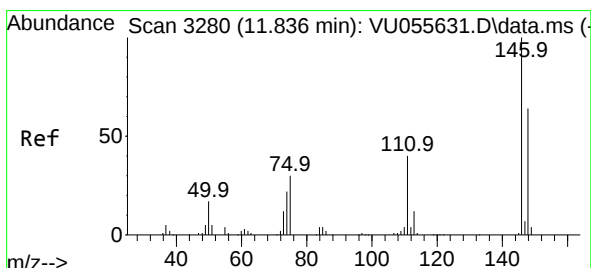
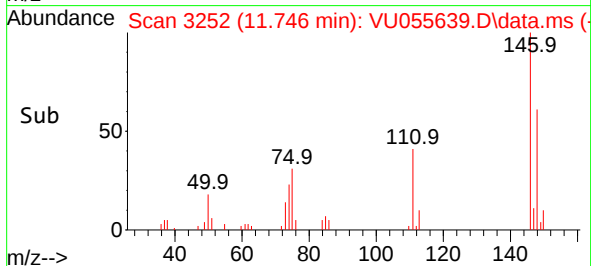
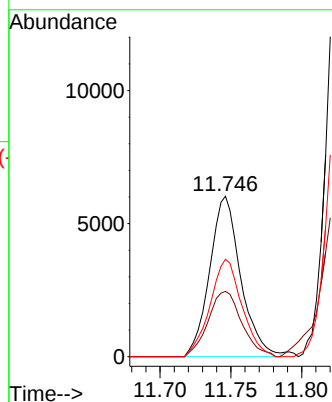
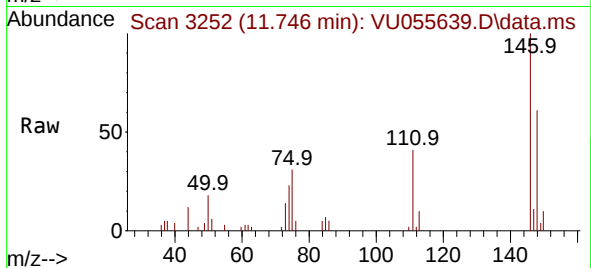
Tgt Ion:146 Resp: 9160

Ion Ratio Lower Upper

146 100

111 40.7 28.8 53.6

148 60.7 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 1.830 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. -0.003 min

Lab File: VU055639.D

Acq: 03 Oct 2023 14:30

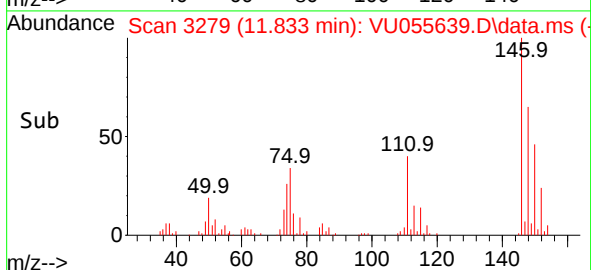
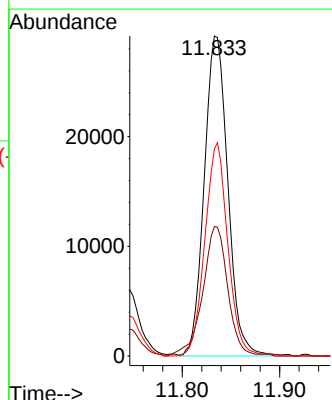
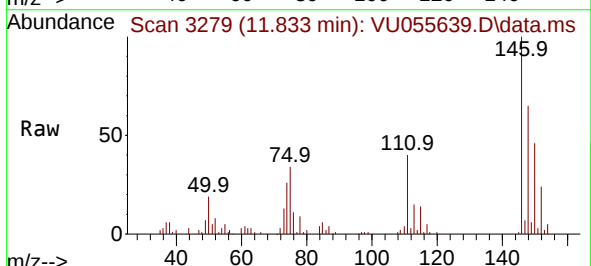
Tgt Ion:146 Resp: 49144

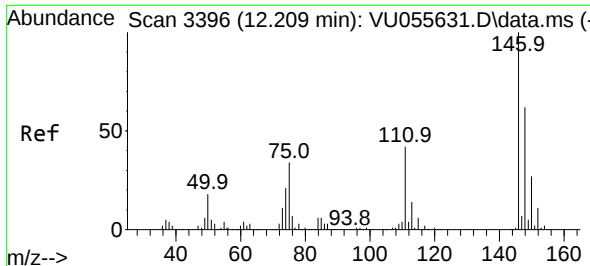
Ion Ratio Lower Upper

146 100

111 40.5 29.0 53.8

148 64.7 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 0.560 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU055639.D

Acq: 03 Oct 2023 14:30

Instrument :

MSVOA_U

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PMW-5(20230928)DL

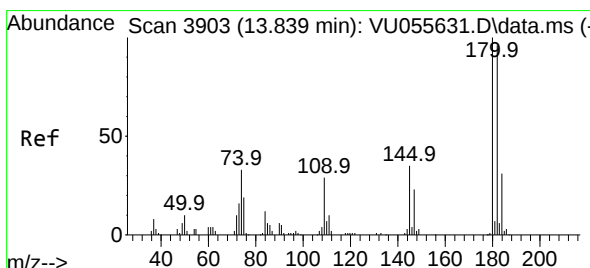
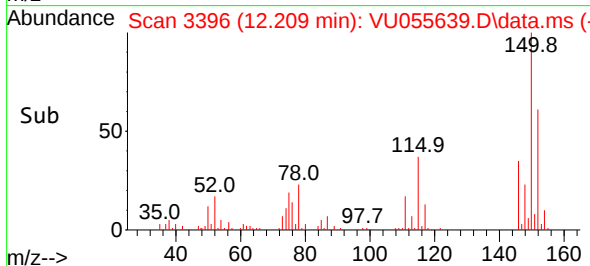
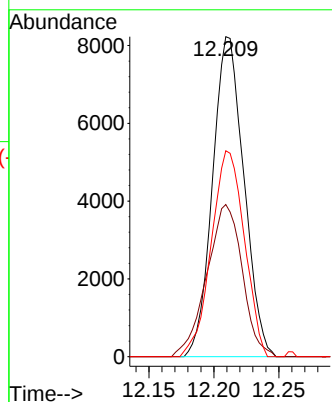
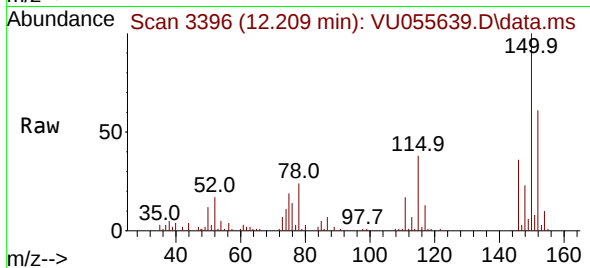
Tgt Ion:146 Resp: 13784

Ion Ratio Lower Upper

146 100

111 47.6 34.6 52.0

148 64.3 51.8 77.8



#70

1,2,4-trichlorobenzene

Concen: 8.543 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.000 min

Lab File: VU055639.D

Acq: 03 Oct 2023 14:30

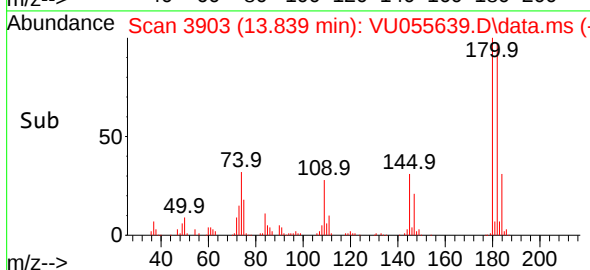
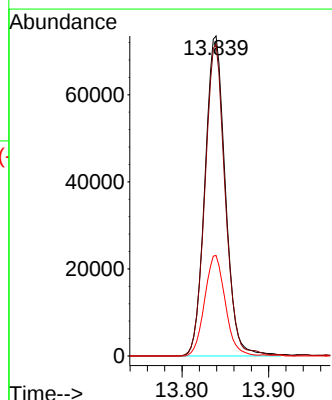
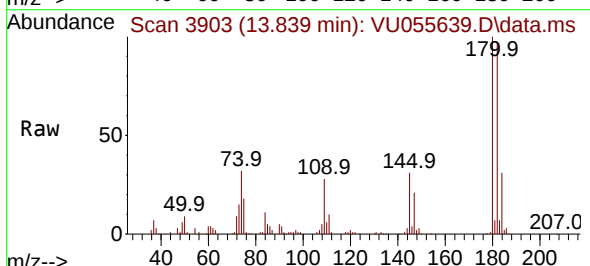
Tgt Ion:180 Resp: 120490

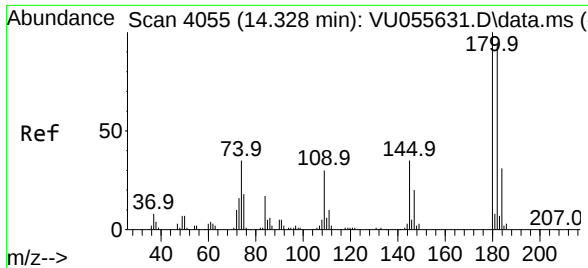
Ion Ratio Lower Upper

180 100

182 96.5 76.4 114.6

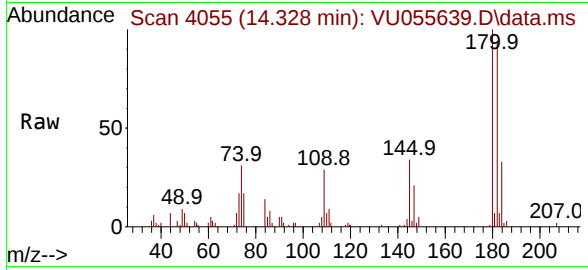
145 31.8 25.4 38.0





#72
 1,2,3-Trichlorobenzene
 Concen: 1.824 ug/L
 RT: 14.328 min Scan# 4055
 Delta R.T. 0.000 min
 Lab File: VU055639.D
 Acq: 03 Oct 2023 14:30

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-5(20230928)DL



Tgt Ion:	180	Resp:	22388
Ion Ratio	Lower	Upper	
180	100		
182	93.1	76.2	114.4
145	34.9	26.0	39.0

