

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100124\
 Data File : VU061058.D
 Acq On : 01 Oct 2024 21:04
 Operator : MD/SY
 Sample : P4227-14 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-7S(20240927)

Quant Time: Oct 02 02:37:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 02 02:09:38 2024
 Response via : Initial Calibration

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

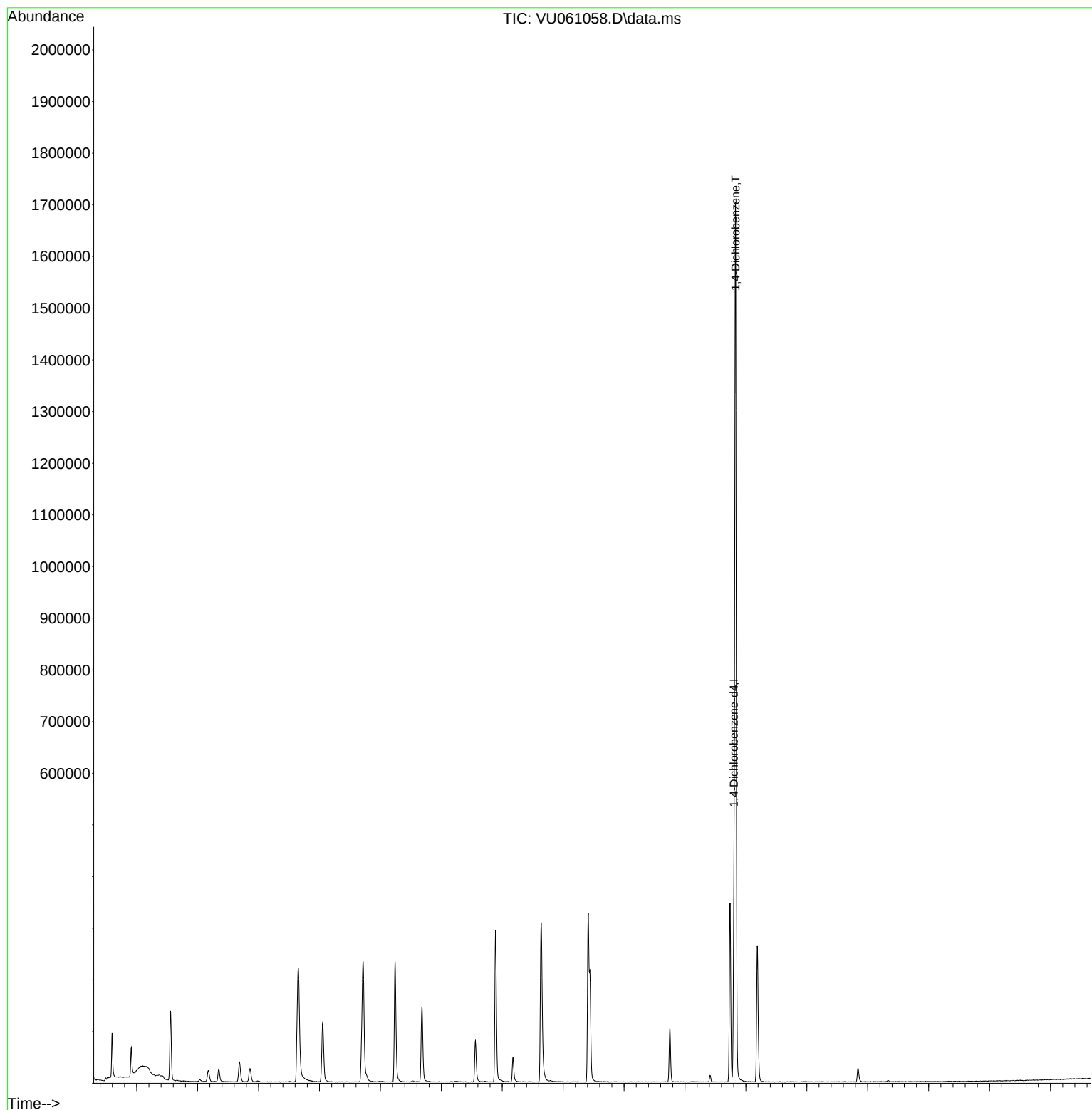
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	186454	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	174614	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	85227	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	59110	4.434	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.600%
7) Chloroethane-d5	1.911	69	44448	4.455	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.000%
11) 1,1-Dichloroethene-d2	2.554	65	25863	4.398	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.000%
20) 2-Butanone-d5	4.637	46	159793	50.042	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.080%
24) Chloroform-d	5.052	84	106091	4.516	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
26) 1,2-Dichloroethane-d4	5.692	65	58038	4.661	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
32) Benzene-d6	5.718	84	213681	4.641	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	6.682	67	70635	4.672	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.400%
41) Toluene-d8	7.891	98	197133	4.581	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
43) trans-1,3-Dichloroprop...	8.174	79	29082	4.498	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.637	63	137168	51.260	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.520%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	54612	4.925	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	64638	4.743	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.800%
Target Compounds			Qvalue			
5) Vinyl chloride	1.602	62	6724	0.510	ug/L	89
12) 1,1-Dichloroethene	2.563	96	2120	0.197	ug/L #	1
16) Methylene chloride	3.039	84	2269	0.184	ug/L	92
18) trans-1,2-Dichloroethene	3.345	96	10242	0.868	ug/L	96
19) 1,1-Dichloroethane	3.856	63	30573	1.331	ug/L	96
22) cis-1,2-Dichloroethene	4.653	96	83533	6.355	ug/L	91
33) Benzene	5.769	78	9338	0.181	ug/L	100
51) Chlorobenzene	9.441	112	102238	3.061	ug/L	94
64) 1,3-Dichlorobenzene	11.740	146	132543	5.425	ug/L	96
65) 1,4-Dichlorobenzene	11.830	146	638182	26.424	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	9627	0.426	ug/L	92
70) 1,2,4-trichlorobenzene	13.839	180	8777	0.666	ug/L	92

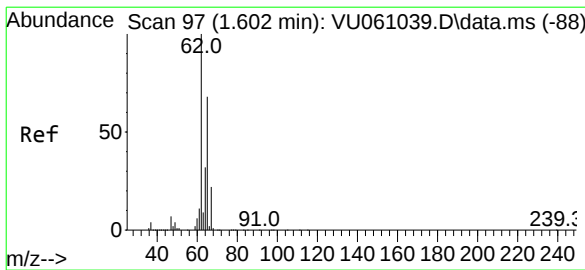
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.510 ug/L

RT: 1.602 min Scan# 97

Delta R.T. -0.000 min

Lab File: VU061058.D

Acq: 01 Oct 2024 21:04

Instrument :

MSVOA_U

ClientSampleId :

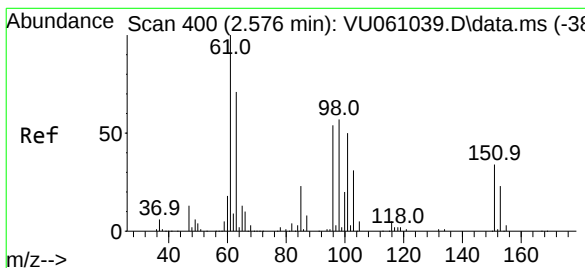
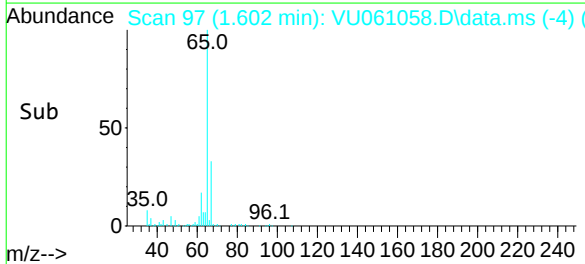
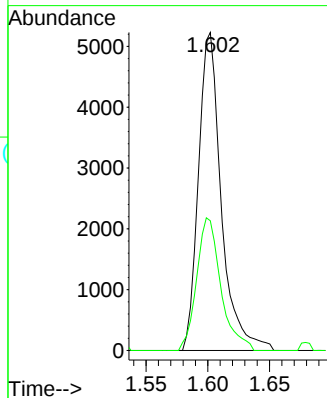
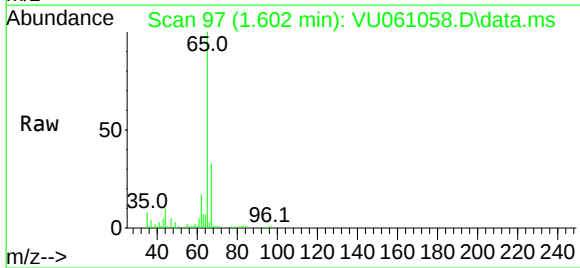
PMW-7S(20240927)

Tgt Ion: 62 Resp: 6724

Ion Ratio Lower Upper

62 100

64 40.8 24.0 44.6



#12

1,1-Dichloroethene

Concen: 0.197 ug/L

RT: 2.563 min Scan# 396

Delta R.T. -0.013 min

Lab File: VU061058.D

Acq: 01 Oct 2024 21:04

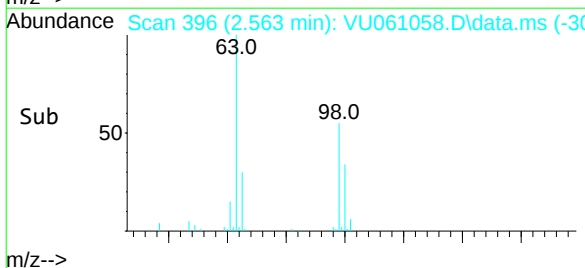
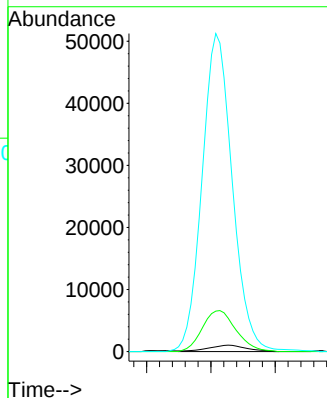
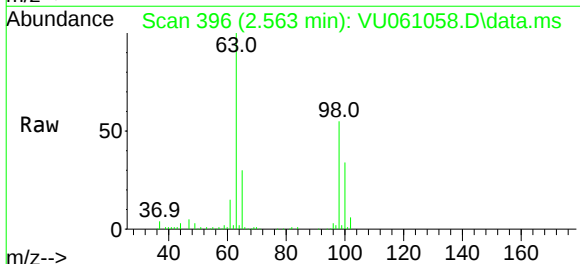
Tgt Ion: 96 Resp: 2120

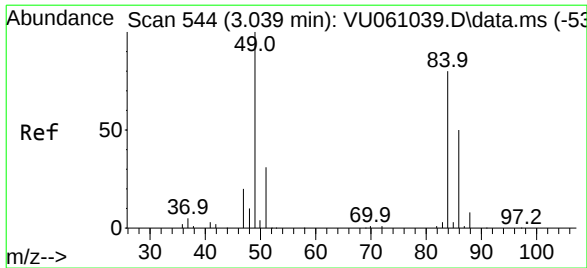
Ion Ratio Lower Upper

96 100

61 519.3 120.7 224.1#

63 3482.4 90.0 167.2#

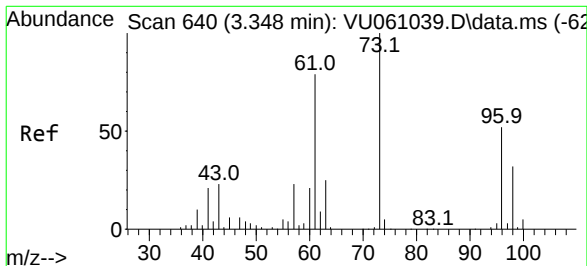
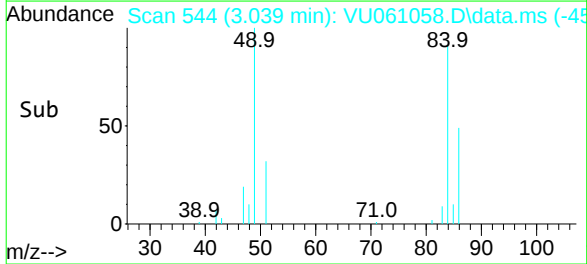
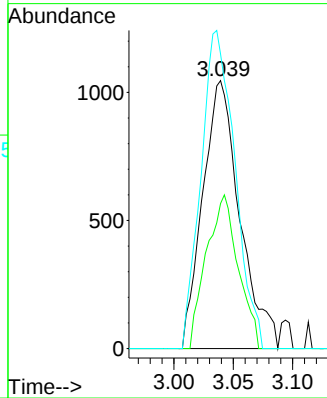
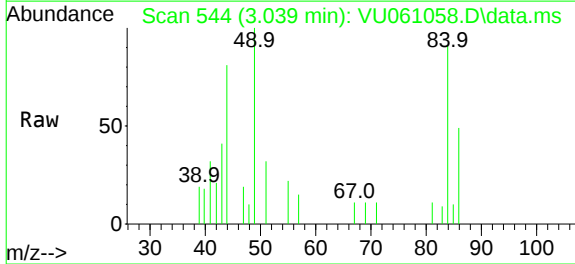




#16
Methylene chloride
Concen: 0.184 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU061058.D
Acq: 01 Oct 2024 21:04

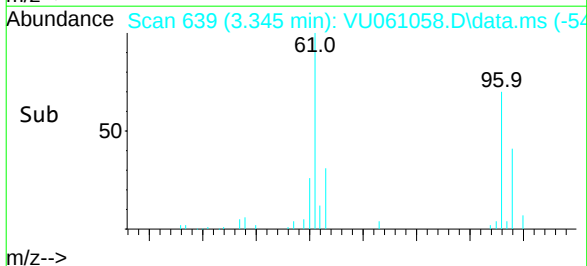
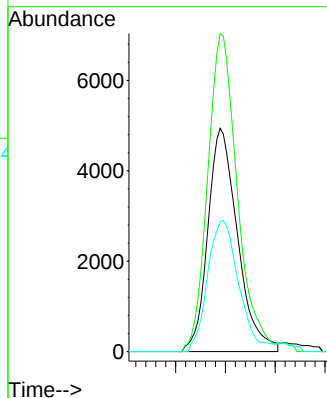
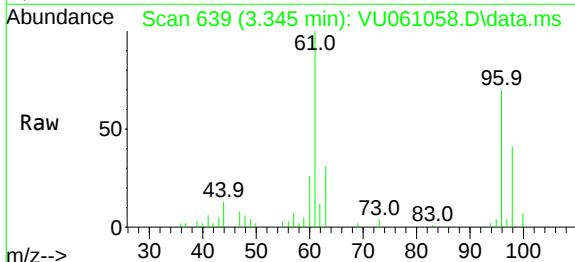
Instrument :
MSVOA_U
ClientSampleId :
PMW-7S(20240927)

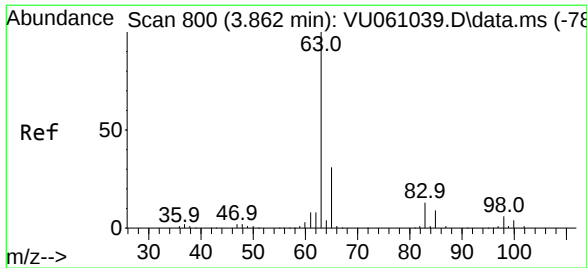
Tgt Ion:	84	Resp:	2269
Ion	Ratio	Lower	Upper
84	100		
86	54.1	47.3	87.8
49	109.9	78.7	146.1



#18
trans-1,2-Dichloroethene
Concen: 0.868 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU061058.D
Acq: 01 Oct 2024 21:04

Tgt Ion:	96	Resp:	10242
Ion	Ratio	Lower	Upper
96	100		
61	142.5	97.2	180.6
98	58.1	43.3	80.5

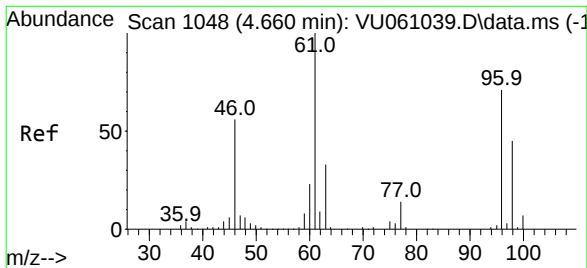
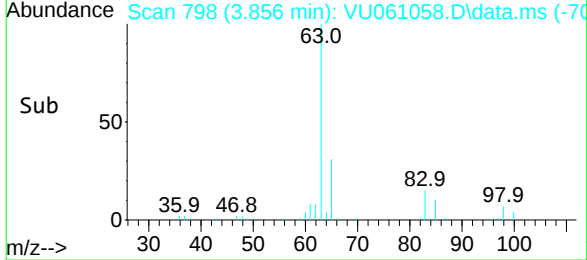
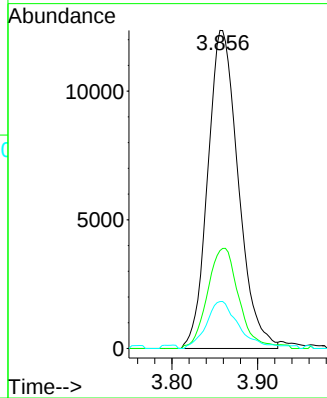
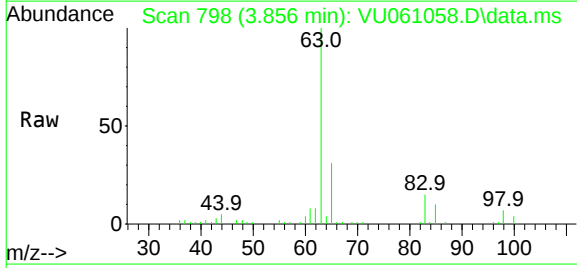




#19
1,1-Dichloroethane
Concen: 1.331 ug/L
RT: 3.856 min Scan# 79
Delta R.T. -0.003 min
Lab File: VU061058.D
Acq: 01 Oct 2024 21:04

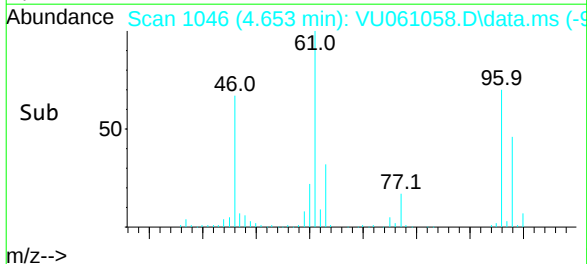
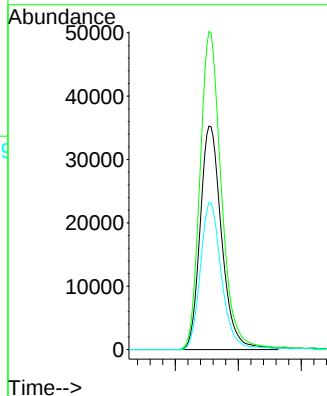
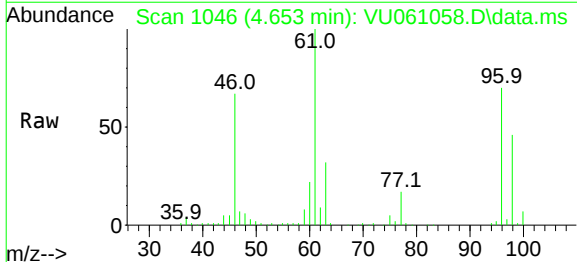
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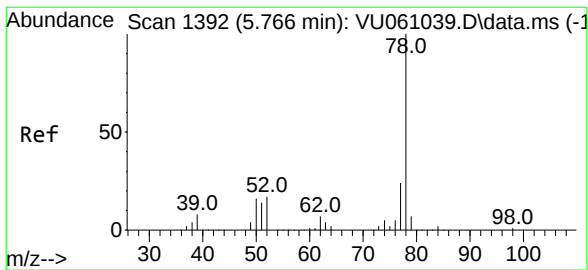
Tgt Ion:	63	Resp:	30573
Ion	Ratio	Lower	Upper
63	100		
65	30.8	23.0	42.8
83	14.7	9.0	16.6



#22
cis-1,2-Dichloroethene
Concen: 6.355 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. -0.003 min
Lab File: VU061058.D
Acq: 01 Oct 2024 21:04

Tgt Ion:	96	Resp:	83533
Ion	Ratio	Lower	Upper
96	100		
61	142.3	89.7	166.5
98	65.7	45.1	83.9





#33

Benzene

Concen: 0.181 ug/L

RT: 5.769 min Scan# 13

Delta R.T. 0.003 min

Lab File: VU061058.D

Acq: 01 Oct 2024 21:04

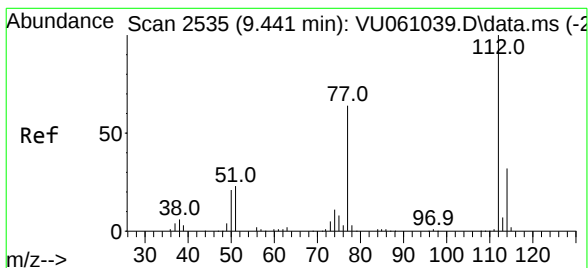
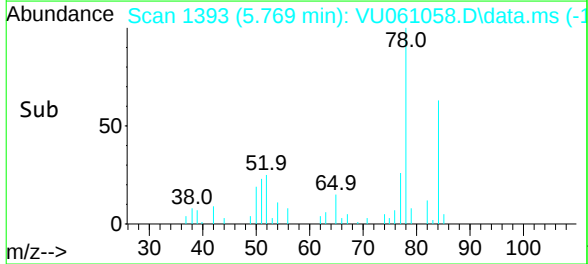
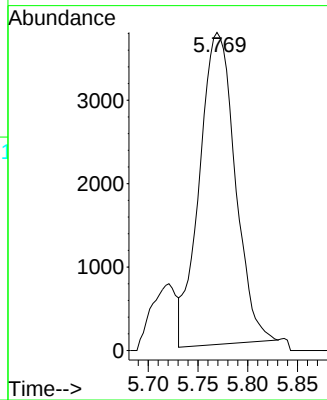
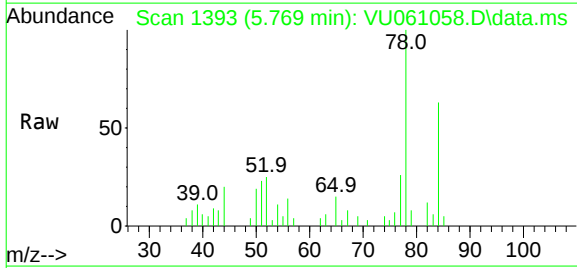
Instrument :

MSVOA_U

ClientSampleId :

PMW-7S(20240927)

Tgt Ion: 78 Resp: 9338



#51

Chlorobenzene

Concen: 3.061 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU061058.D

Acq: 01 Oct 2024 21:04

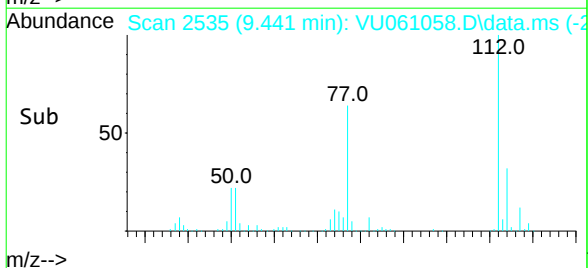
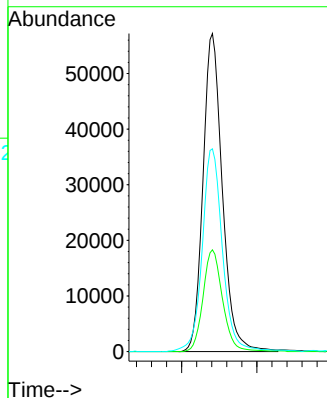
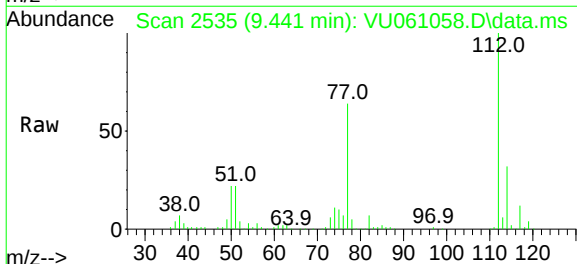
Tgt Ion: 112 Resp: 102238

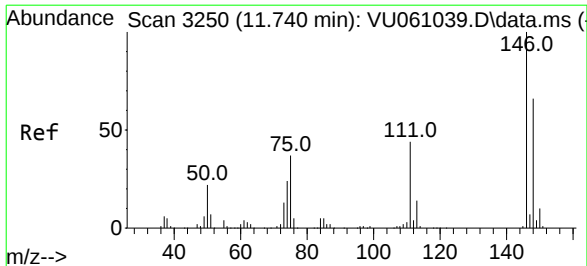
Ion Ratio Lower Upper

112 100

114 32.0 22.2 41.2

77 63.8 46.1 69.1





#64

1,3-Dichlorobenzene

Concen: 5.425 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.003 min

Lab File: VU061058.D

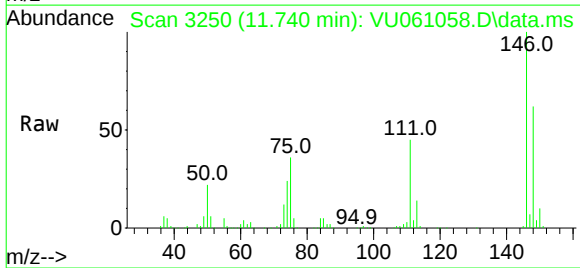
Acq: 01 Oct 2024 21:04

Instrument :

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ClientSampleId :

PMW-7S(20240927)



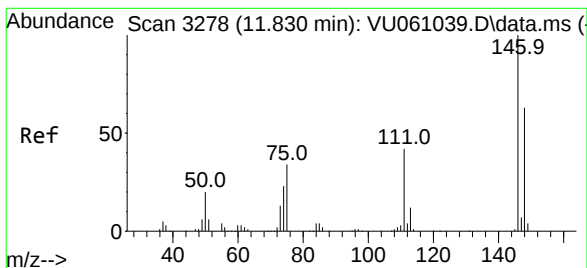
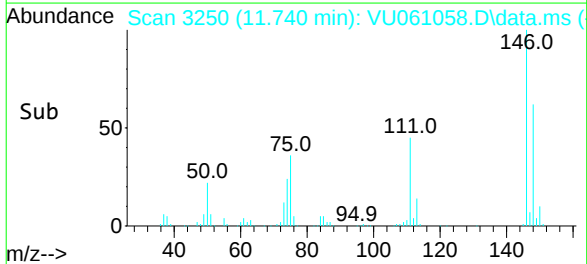
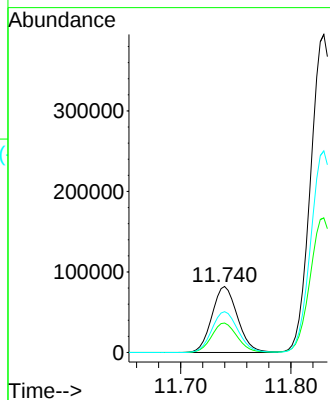
Tgt Ion:146 Resp: 132543

Ion Ratio Lower Upper

146 100

111 44.6 27.5 51.1

148 61.8 43.7 81.1



#65

1,4-Dichlorobenzene

Concen: 26.424 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU061058.D

Acq: 01 Oct 2024 21:04

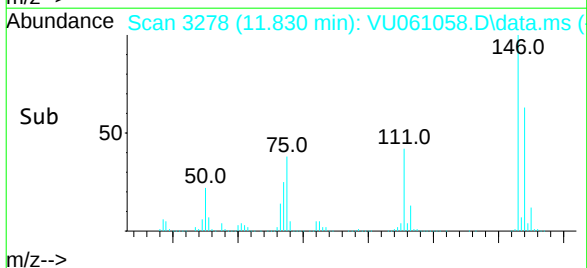
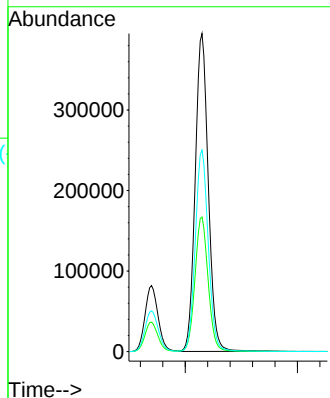
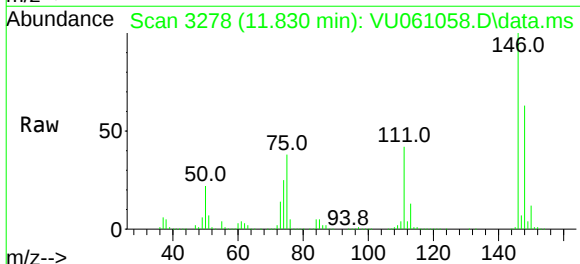
Tgt Ion:146 Resp: 638182

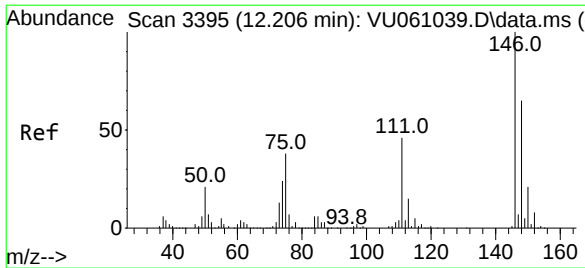
Ion Ratio Lower Upper

146 100

111 42.3 26.3 48.9

148 63.4 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 0.426 ug/L

RT: 12.209 min Scan# 3395

Delta R.T. 0.006 min

Lab File: VU061058.D

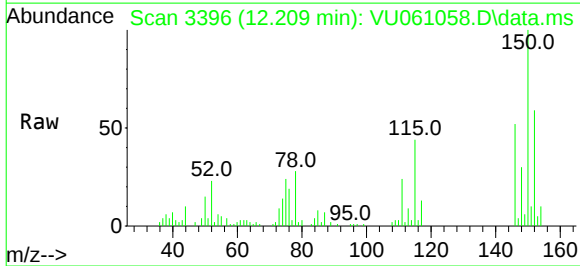
Acq: 01 Oct 2024 21:04

Instrument :

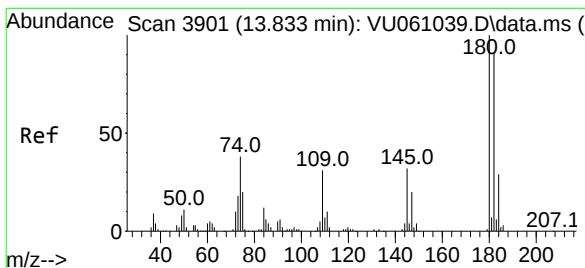
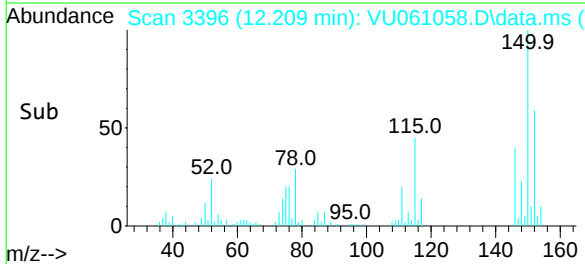
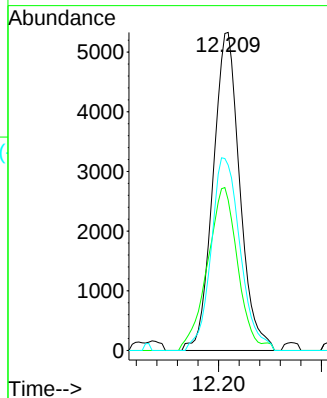
MSVOA_U

ClientSampleId :

PMW-7S(20240927)



Tgt Ion:	146	Resp:	9627
Ion Ratio	Lower	Upper	
146	100		
111	47.3	33.4	50.0
148	58.3	50.9	76.3



#70

1,2,4-trichlorobenzene

Concen: 0.666 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.006 min

Lab File: VU061058.D

Acq: 01 Oct 2024 21:04

Tgt Ion:	180	Resp:	8777
Ion Ratio	Lower	Upper	
180	100		
182	104.6	77.4	116.2
145	33.9	22.9	34.3

