

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100124\
 Data File : VU061046.D
 Acq On : 01 Oct 2024 16:12
 Operator : MD/SY
 Sample : P4227-15 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Oct 02 02:36:45 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)

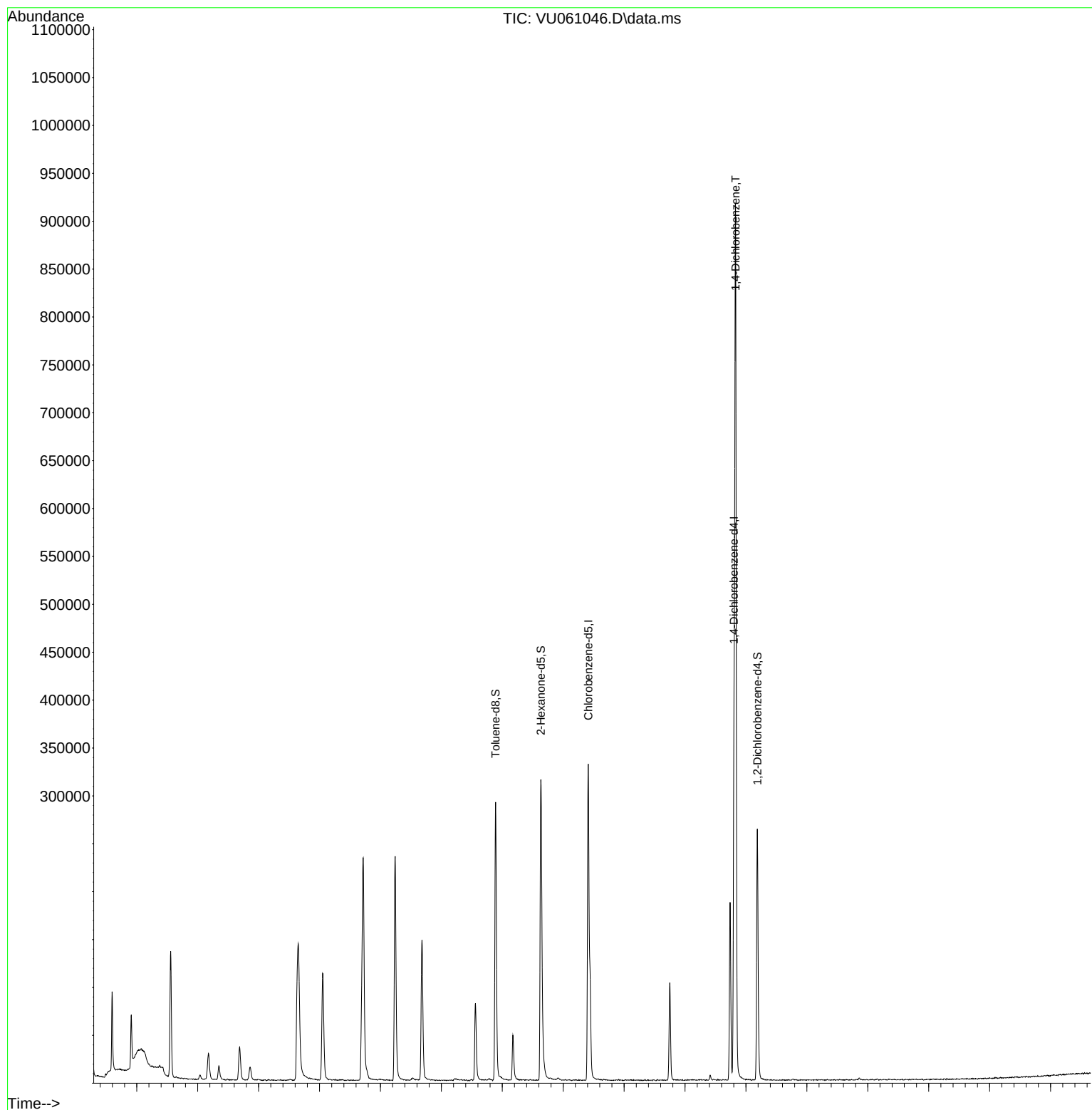
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	188365	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	177715	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	87502	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	57491	4.269	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.400%
7) Chloroethane-d5	1.911	69	42463	4.212	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.200%
11) 1,1-Dichloroethene-d2	2.557	65	25694	4.325	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.400%
20) 2-Butanone-d5	4.634	46	147260	45.650	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.300%
24) Chloroform-d	5.052	84	105021	4.425	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.692	65	57781	4.593	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
32) Benzene-d6	5.717	84	212185	4.528	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	6.682	67	72384	4.704	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.891	98	194692	4.445	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.000%
43) trans-1,3-Dichloroprop...	8.174	79	28816	4.379	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.634	63	129449	47.531	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.060%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	53249	4.718	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	64590	4.616	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.400%
Target Compounds						
5) Vinyl chloride	1.602	62	3625	0.272	ug/L	# 77
16) Methylene chloride	3.042	84	2188	0.175	ug/L	91
18) trans-1,2-Dichloroethene	3.348	96	5920	0.497	ug/L	88
19) 1,1-Dichloroethane	3.859	63	16517	0.712	ug/L	95
22) cis-1,2-Dichloroethene	4.656	96	46627	3.511	ug/L	95
33) Benzene	5.769	78	7455	0.142	ug/L	100
51) Chlorobenzene	9.441	112	52050	1.531	ug/L	95
64) 1,3-Dichlorobenzene	11.740	146	70165	2.797	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	333721	13.458	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	5051	0.218	ug/L	95

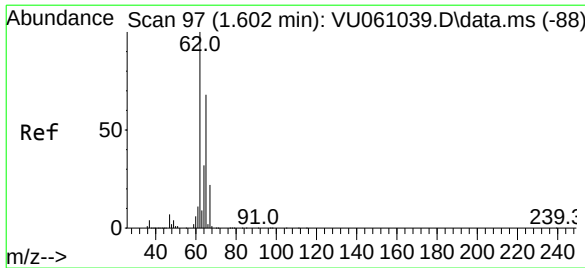
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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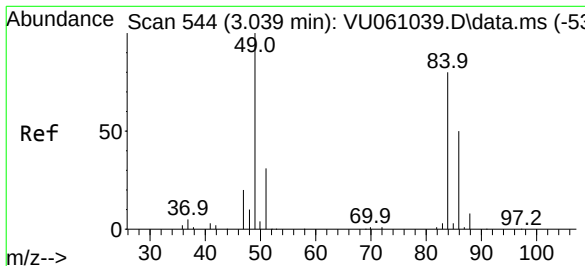
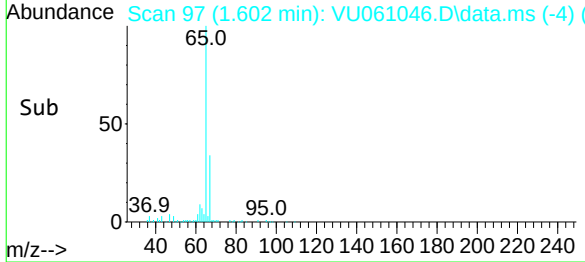
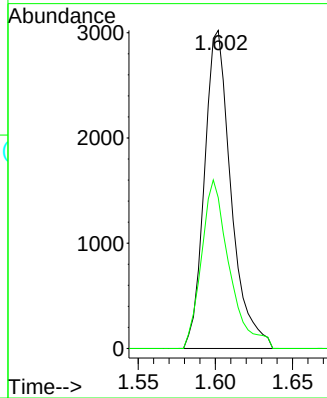
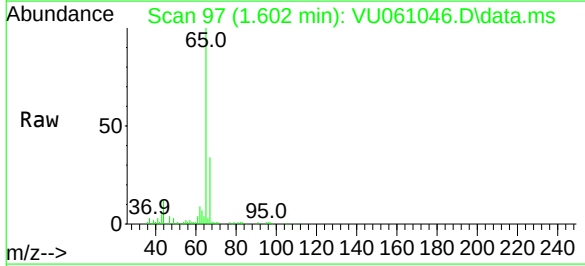




#5
 Vinyl chloride
 Concen: 0.272 ug/L
 RT: 1.602 min Scan# 97
 Delta R.T. -0.000 min
 Lab File: VU061046.D
 Acq: 01 Oct 2024 16:12

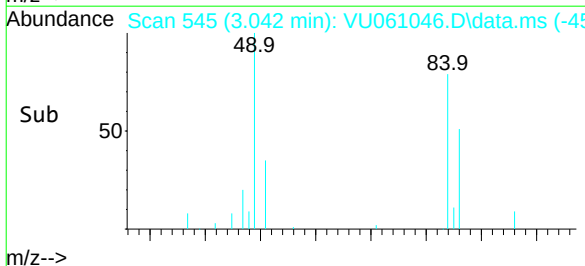
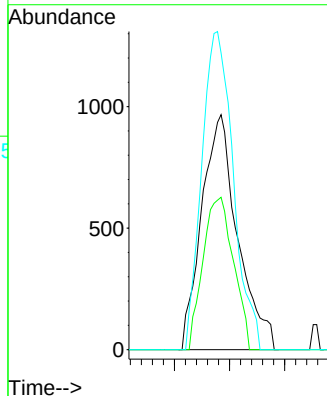
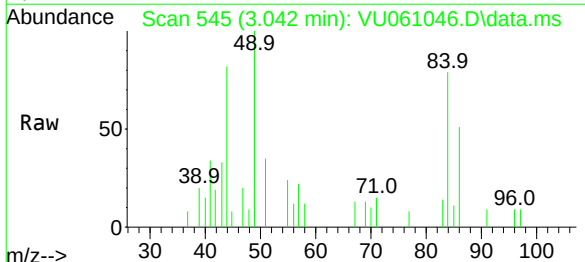
Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-7D(20240927)

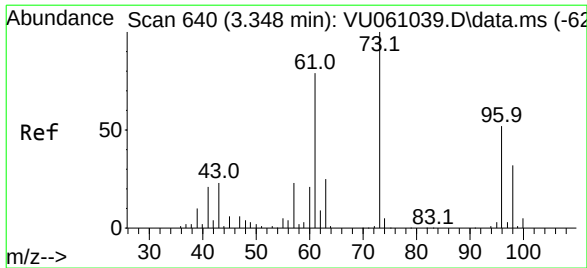
Tgt Ion: 62 Resp: 3625
 Ion Ratio Lower Upper
 62 100
 64 47.4 24.0 44.6#



#16
 Methylene chloride
 Concen: 0.175 ug/L
 RT: 3.042 min Scan# 545
 Delta R.T. 0.003 min
 Lab File: VU061046.D
 Acq: 01 Oct 2024 16:12

Tgt Ion: 84 Resp: 2188
 Ion Ratio Lower Upper
 84 100
 86 64.8 47.3 87.8
 49 126.3 78.7 146.1

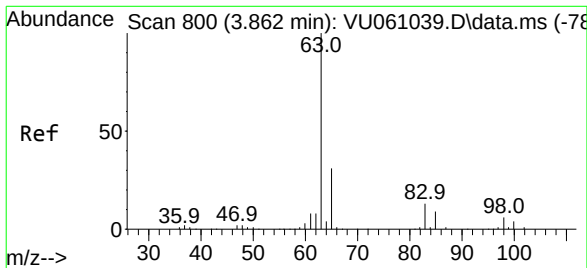
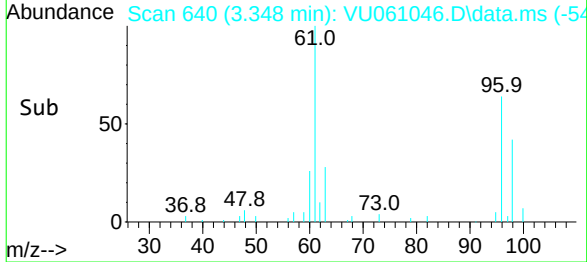
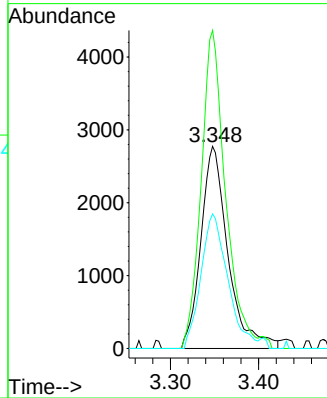
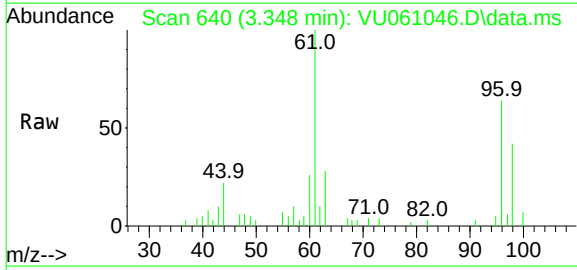




#18
trans-1,2-Dichloroethene
Concen: 0.497 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU061046.D
Acq: 01 Oct 2024 16:12

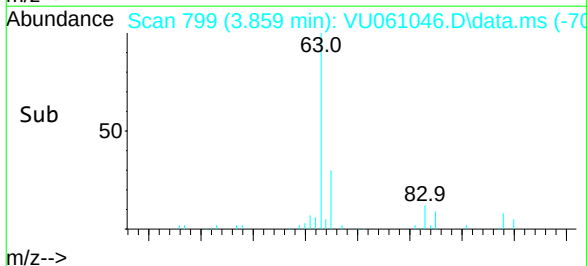
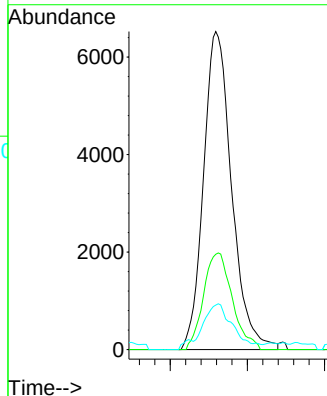
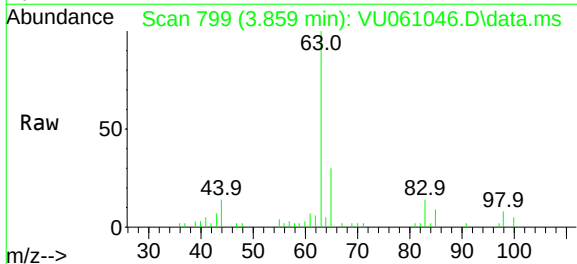
Instrument :
MSVOA_U
ClientSampleId :
PMW-7D(20240927)

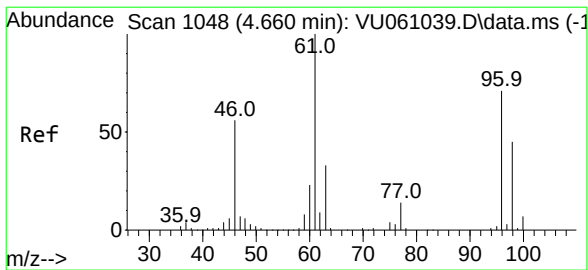
Tgt Ion:	96	Resp:	5920
Ion	Ratio	Lower	Upper
96	100		
61	157.4	97.2	180.6
98	66.6	43.3	80.5



#19
1,1-Dichloroethane
Concen: 0.712 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU061046.D
Acq: 01 Oct 2024 16:12

Tgt Ion:	63	Resp:	16517
Ion	Ratio	Lower	Upper
63	100		
65	30.0	23.0	42.8
83	14.0	9.0	16.6

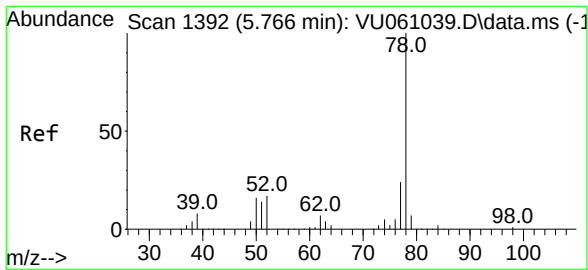
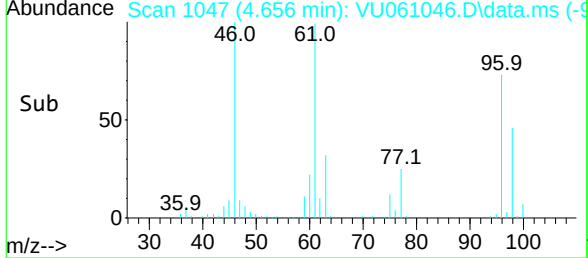
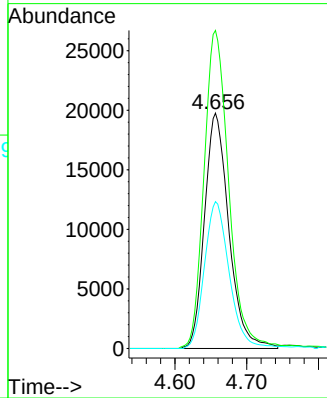
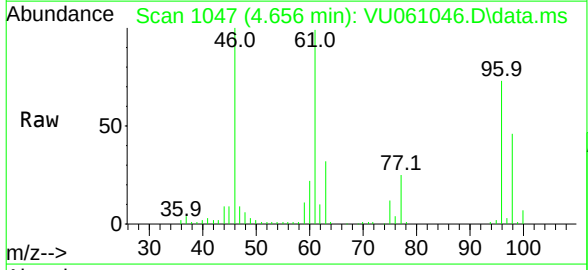




#22
 cis-1,2-Dichloroethene
 Concen: 3.511 ug/L
 RT: 4.656 min Scan# 1048
 Delta R.T. -0.000 min
 Lab File: VU061046.D
 Acq: 01 Oct 2024 16:12

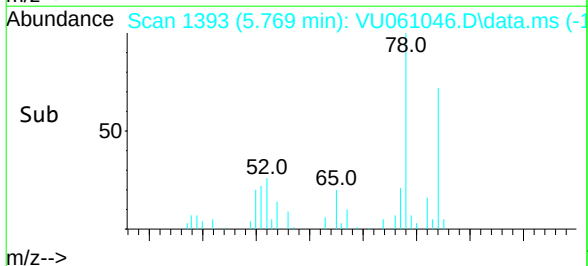
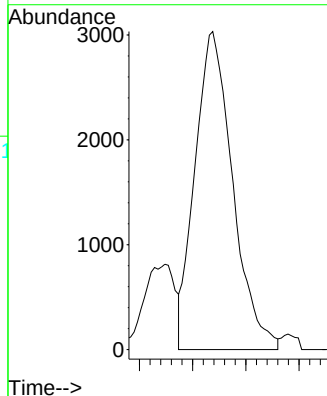
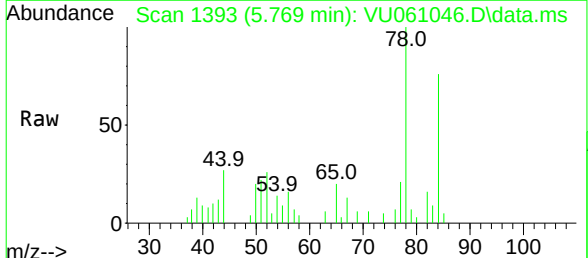
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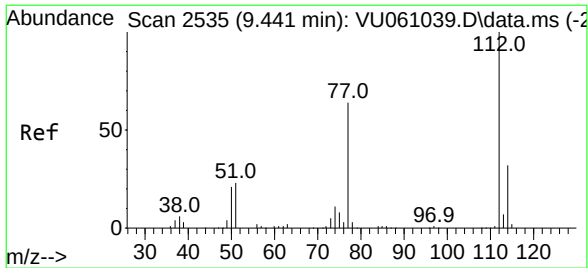
Tgt Ion:	96	Resp:	46627
Ion Ratio	Lower	Upper	
96	100		
61	135.1	89.7	166.5
98	62.4	45.1	83.9



#33
 Benzene
 Concen: 0.142 ug/L
 RT: 5.769 min Scan# 1393
 Delta R.T. 0.003 min
 Lab File: VU061046.D
 Acq: 01 Oct 2024 16:12

Tgt Ion: 78 Resp: 7455

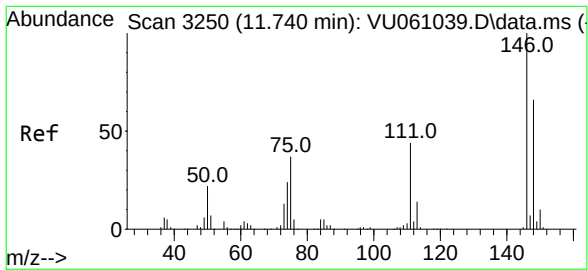
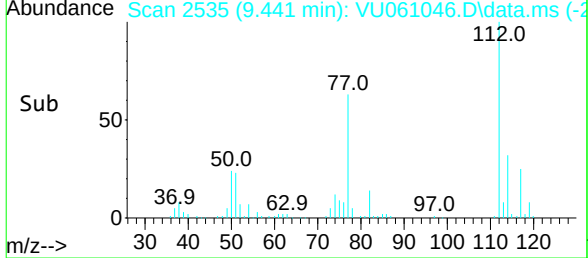
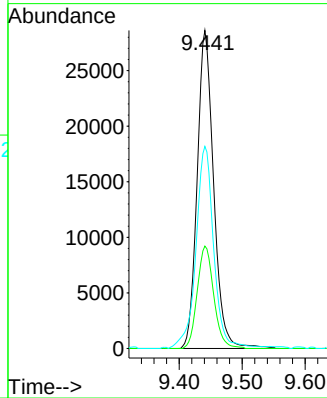
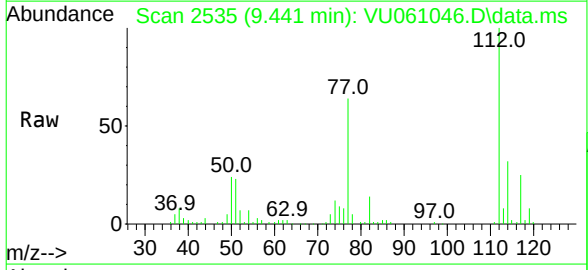




#51
Chlorobenzene
Concen: 1.531 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU061046.D
Acq: 01 Oct 2024 16:12

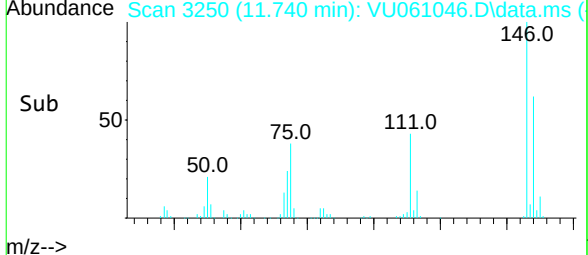
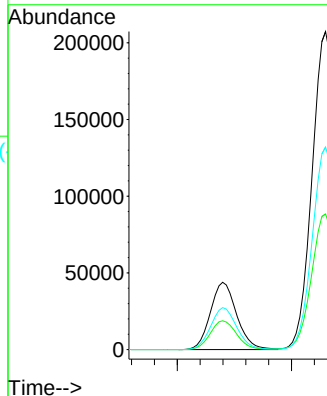
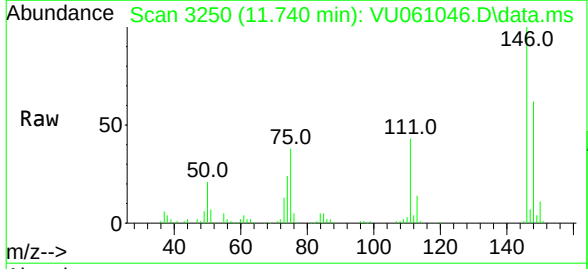
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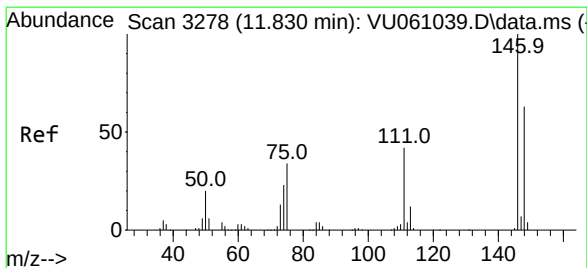
Tgt Ion:	112	Resp:	52050
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.2	41.2
77	63.5	46.1	69.1



#64
1,3-Dichlorobenzene
Concen: 2.797 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.003 min
Lab File: VU061046.D
Acq: 01 Oct 2024 16:12

Tgt Ion:	146	Resp:	70165
Ion	Ratio	Lower	Upper
146	100		
111	42.8	27.5	51.1
148	62.3	43.7	81.1





#65

1,4-Dichlorobenzene

Concen: 13.458 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU061046.D

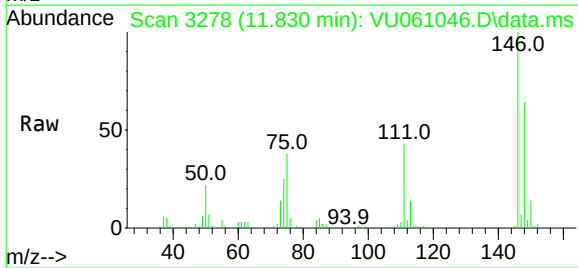
Acq: 01 Oct 2024 16:12

Instrument :

MSVOA_U

ClientSampleId :

PMW-7D(20240927)



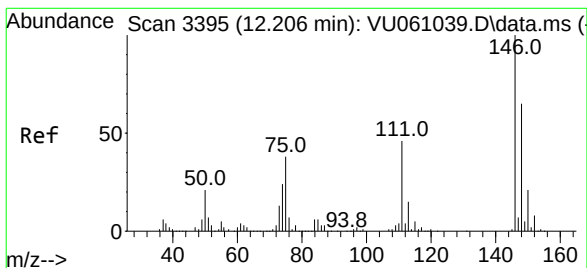
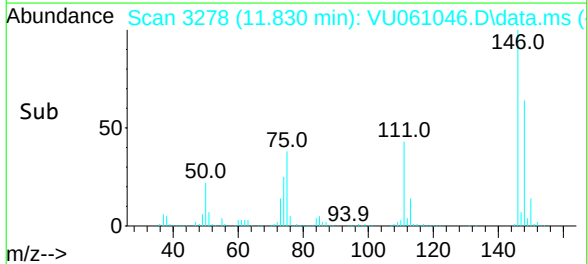
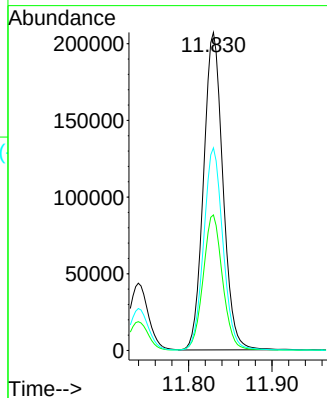
Tgt Ion:146 Resp: 333721

Ion Ratio Lower Upper

146 100

111 42.6 26.3 48.9

148 63.7 45.3 84.1



#67

1,2-Dichlorobenzene

Concen: 0.218 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU061046.D

Acq: 01 Oct 2024 16:12

Tgt Ion:146 Resp: 5051

Ion Ratio Lower Upper

146 100

111 49.5 33.4 50.0

148 63.4 50.9 76.3

