

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100124\
 Data File : VU061051.D
 Acq On : 01 Oct 2024 18:14
 Operator : MD/SY
 Sample : P4227-06DL 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-8D(20240926)DL

Quant Time: Oct 02 02:37:13 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)

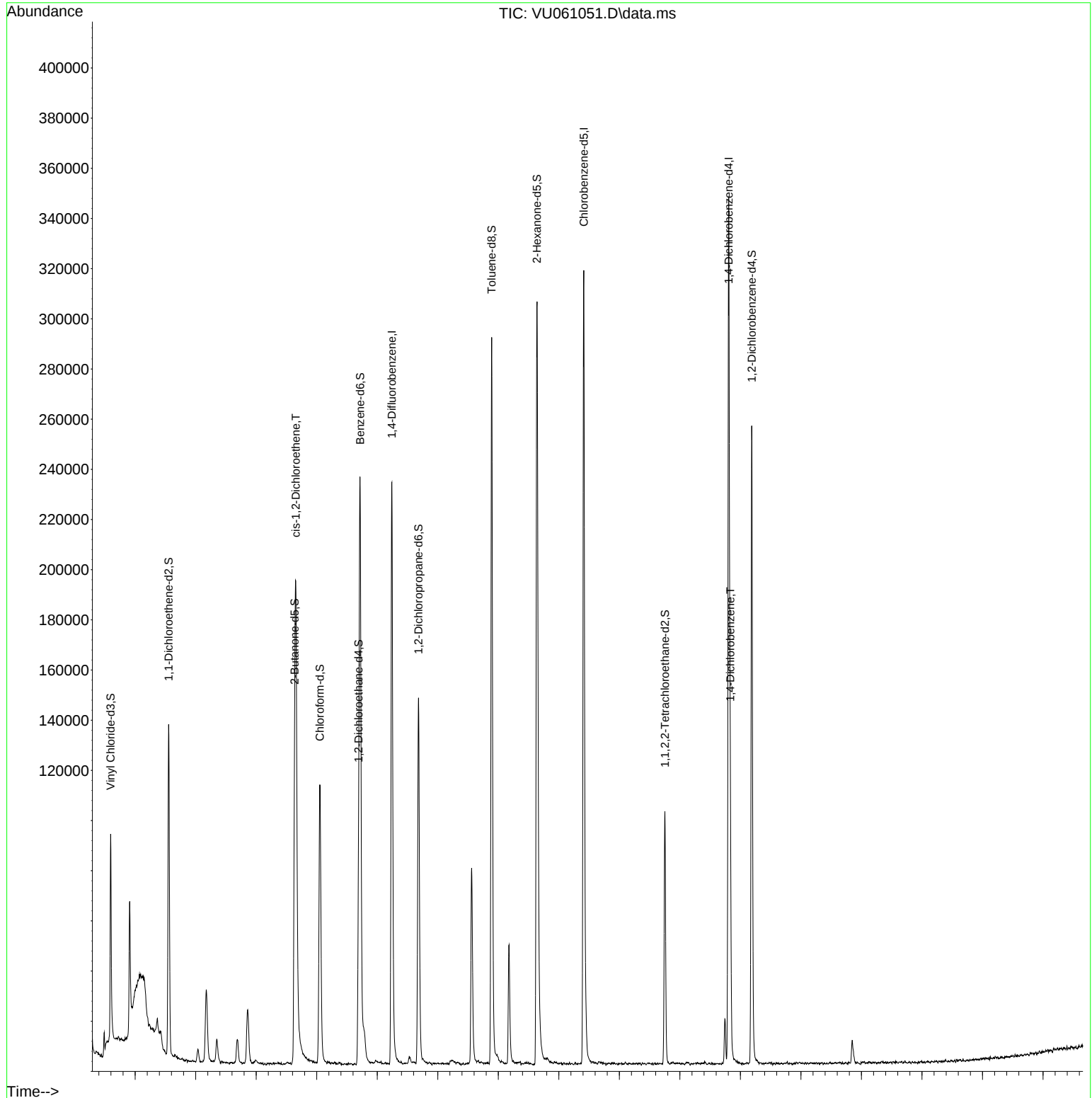
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	187122	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	175714	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	84486	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	57568	4.303	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.000%
7) Chloroethane-d5	1.911	69	42056	4.200	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.000%
11) 1,1-Dichloroethene-d2	2.554	65	26263	4.450	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.000%
20) 2-Butanone-d5	4.634	46	152191	47.492	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.980%
24) Chloroform-d	5.052	84	105922	4.492	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
26) 1,2-Dichloroethane-d4	5.692	65	57617	4.610	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
32) Benzene-d6	5.717	84	212480	4.586	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
36) 1,2-Dichloropropane-d6	6.682	67	71341	4.689	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.891	98	194908	4.501	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	8.174	79	29009	4.459	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.200%
46) 2-Hexanone-d5	8.637	63	129633	48.141	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.280%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	51845	4.646	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	64117	4.746	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.000%
Target Compounds				Qvalue		
5) Vinyl chloride	1.599	62	7738	0.585	ug/L	94
16) Methylene chloride	3.039	84	2569	0.207	ug/L	88
18) trans-1,2-Dichloroethene	3.348	96	3535	0.298	ug/L	96
19) 1,1-Dichloroethane	3.856	63	26118	1.133	ug/L	98
22) cis-1,2-Dichloroethene	4.653	96	73051	5.538	ug/L	92
27) 1,2-Dichloroethane	5.795	62	5843	0.384	ug/L	100
33) Benzene	5.772	78	8375	0.162	ug/L	100
51) Chlorobenzene	9.444	112	7271	0.216	ug/L	87
64) 1,3-Dichlorobenzene	11.746	146	6887	0.284	ug/L	94
65) 1,4-Dichlorobenzene	11.833	146	40890	1.708	ug/L	97
70) 1,2,4-trichlorobenzene	13.846	180	3772	0.289	ug/L	97

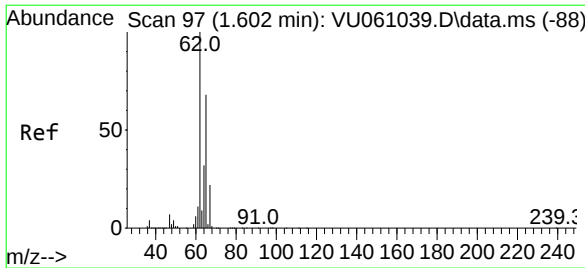
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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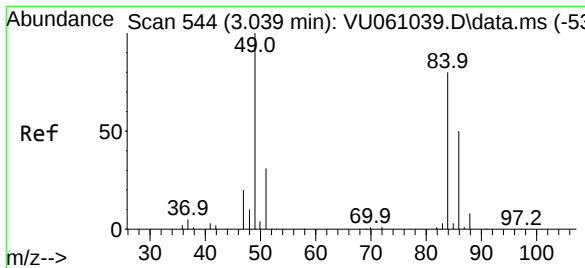
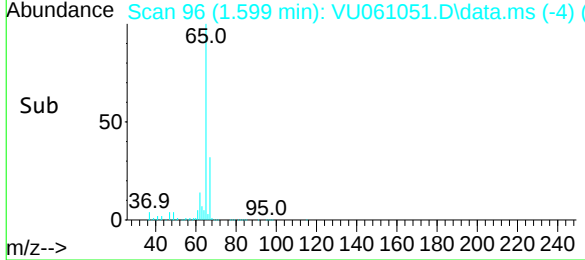
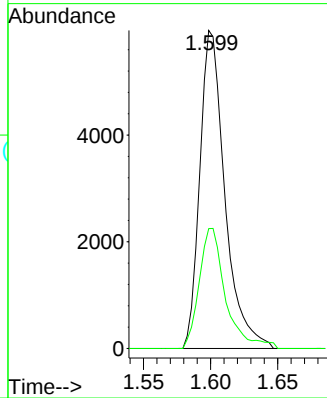
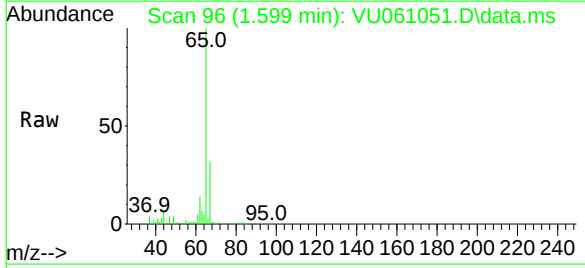




#5
 Vinyl chloride
 Concen: 0.585 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. -0.004 min
 Lab File: VU061051.D
 Acq: 01 Oct 2024 18:14

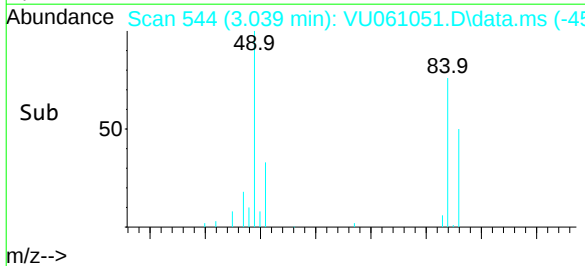
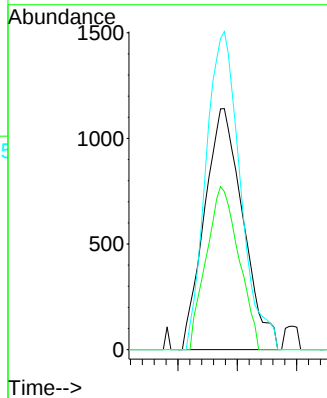
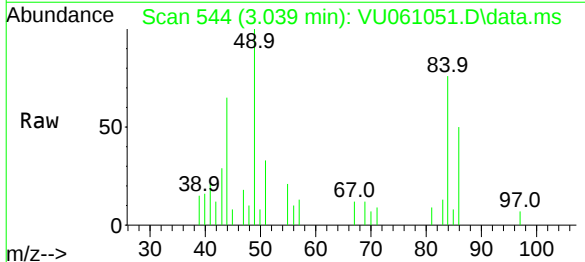
Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-8D(20240926)DL

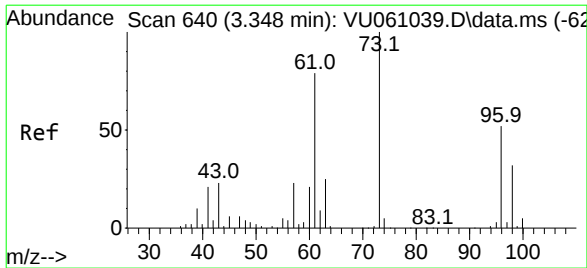
Tgt Ion: 62 Resp: 7738
 Ion Ratio Lower Upper
 62 100
 64 37.7 24.0 44.6



#16
 Methylene chloride
 Concen: 0.207 ug/L
 RT: 3.039 min Scan# 544
 Delta R.T. -0.000 min
 Lab File: VU061051.D
 Acq: 01 Oct 2024 18:14

Tgt Ion: 84 Resp: 2569
 Ion Ratio Lower Upper
 84 100
 86 65.6 47.3 87.8
 49 132.0 78.7 146.1

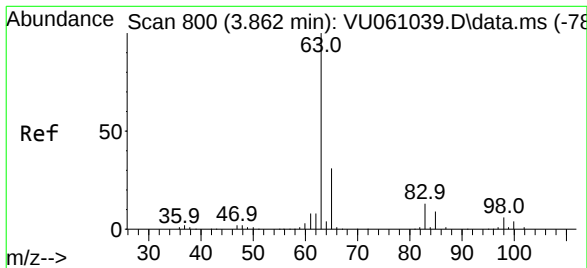
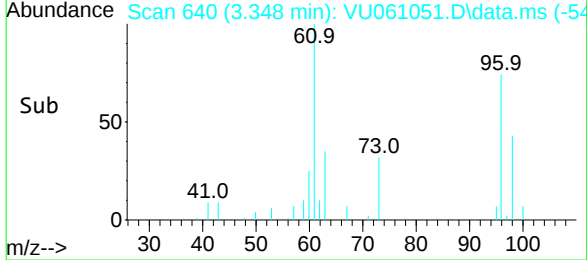
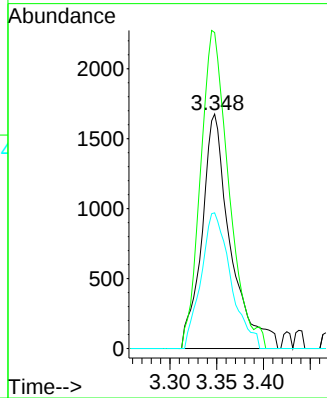
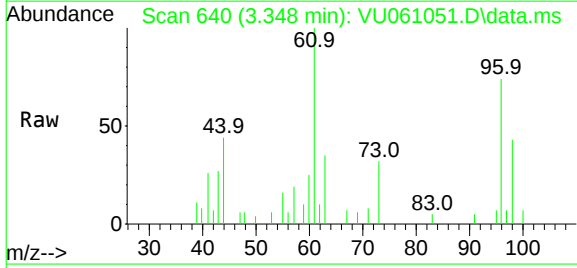




#18
trans-1,2-Dichloroethene
Concen: 0.298 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU061051.D
Acq: 01 Oct 2024 18:14

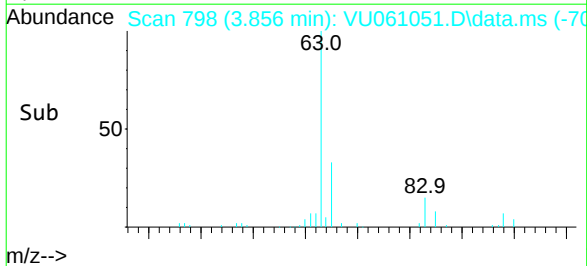
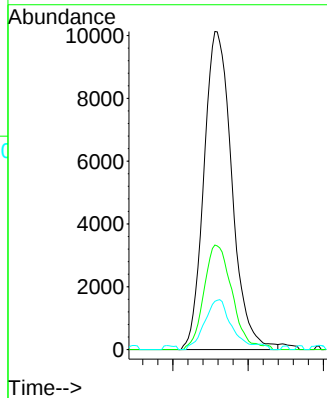
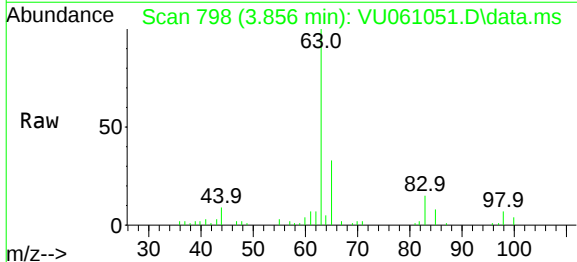
Instrument :
MSVOA_U
ClientSampleId :
PMW-8D(20240926)DL

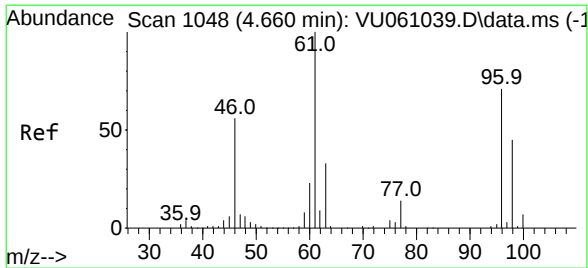
Tgt Ion:	96	Resp:	3535
Ion	Ratio	Lower	Upper
96	100		
61	134.8	97.2	180.6
98	57.9	43.3	80.5



#19
1,1-Dichloroethane
Concen: 1.133 ug/L
RT: 3.856 min Scan# 798
Delta R.T. -0.004 min
Lab File: VU061051.D
Acq: 01 Oct 2024 18:14

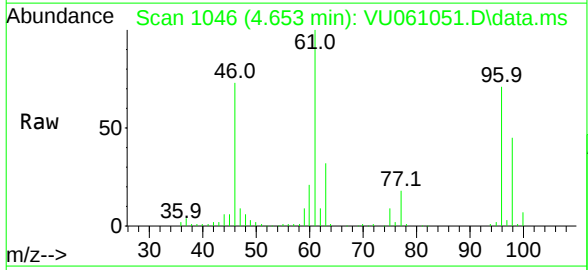
Tgt Ion:	63	Resp:	26118
Ion	Ratio	Lower	Upper
63	100		
65	32.9	23.0	42.8
83	15.2	9.0	16.6



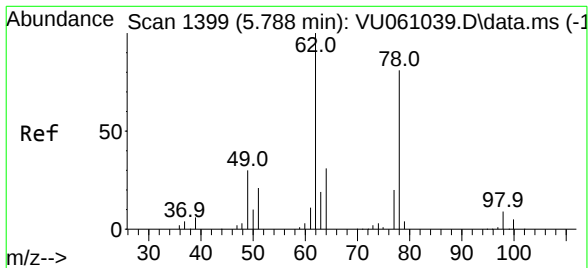
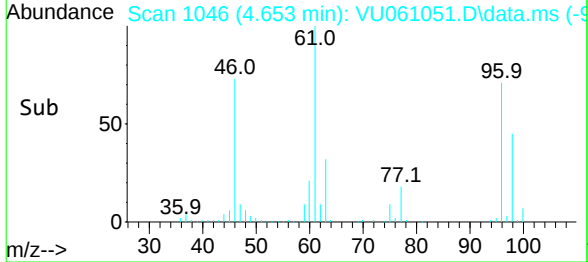
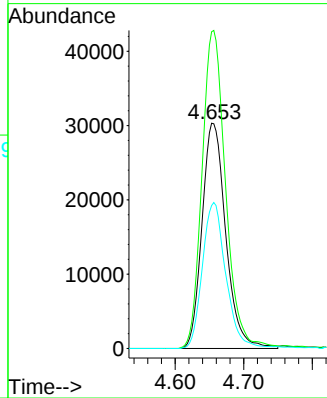


#22
 cis-1,2-Dichloroethene
 Concen: 5.538 ug/L
 RT: 4.653 min Scan# 10
 Delta R.T. -0.004 min
 Lab File: VU061051.D
 Acq: 01 Oct 2024 18:14

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-8D(20240926)DL

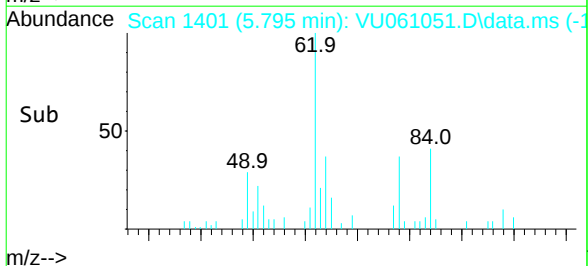
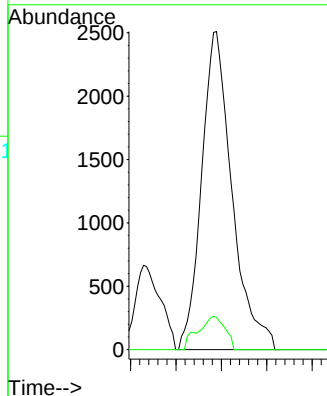
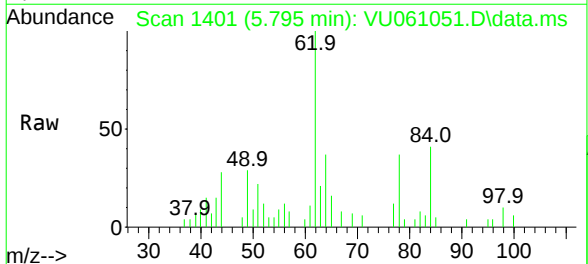


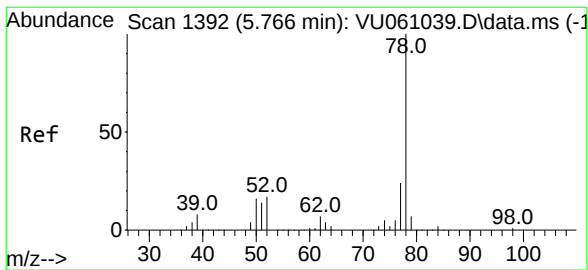
Tgt Ion:	96	Resp:	73051
Ion	Ratio	Lower	Upper
96	100		
61	140.6	89.7	166.5
98	63.5	45.1	83.9



#27
 1,2-Dichloroethane
 Concen: 0.384 ug/L
 RT: 5.795 min Scan# 1401
 Delta R.T. 0.009 min
 Lab File: VU061051.D
 Acq: 01 Oct 2024 18:14

Tgt Ion:	62	Resp:	5843
Ion	Ratio	Lower	Upper
62	100		
98	10.2	8.2	12.4





#33

Benzene

Concen: 0.162 ug/L

RT: 5.772 min Scan# 13

Delta R.T. 0.006 min

Lab File: VU061051.D

Acq: 01 Oct 2024 18:14

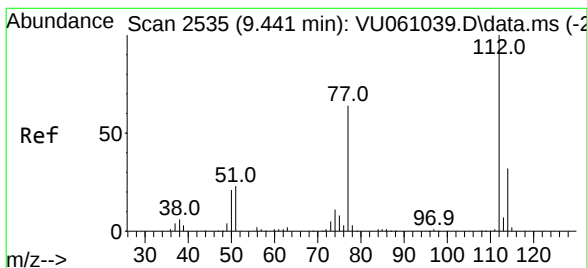
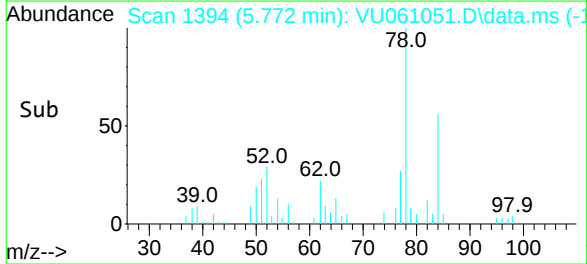
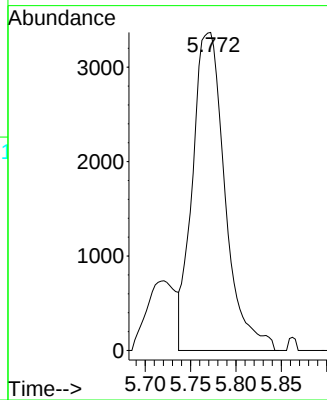
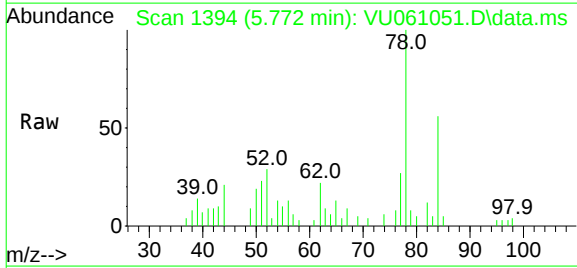
Instrument :

MSVOA_U

ClientSampleId :

PMW-8D(20240926)DL

Tgt Ion: 78 Resp: 8375



#51

Chlorobenzene

Concen: 0.216 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.006 min

Lab File: VU061051.D

Acq: 01 Oct 2024 18:14

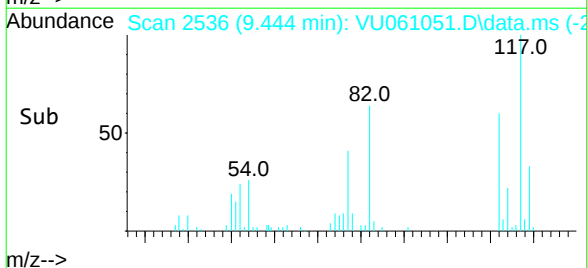
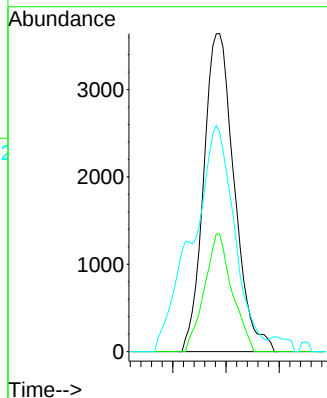
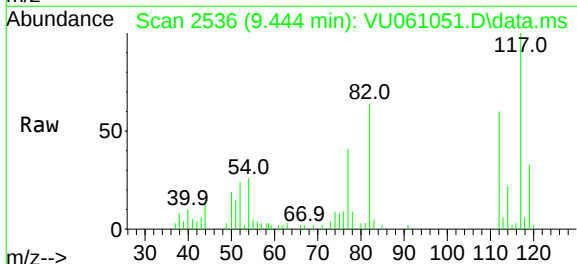
Tgt Ion:112 Resp: 7271

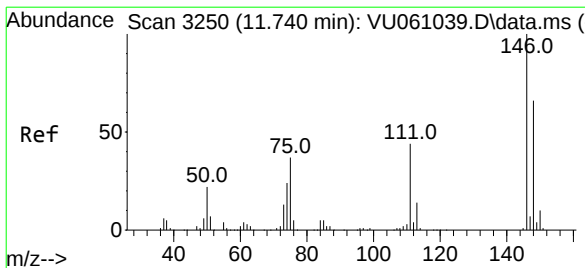
Ion Ratio Lower Upper

112 100

114 37.0 22.2 41.2

77 68.9 46.1 69.1





#64

1,3-Dichlorobenzene

Concen: 0.284 ug/L

RT: 11.746 min Scan# 32

Delta R.T. 0.009 min

Lab File: VU061051.D

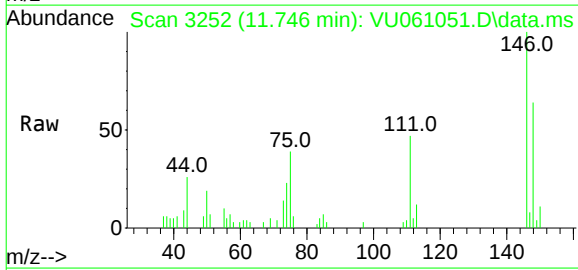
Acq: 01 Oct 2024 18:14

Instrument :

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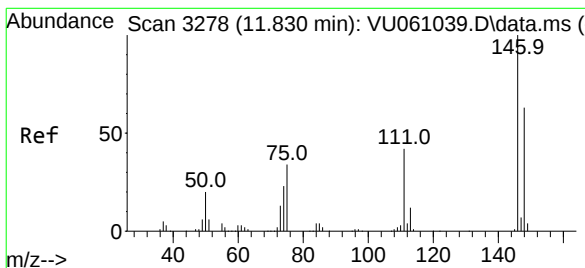
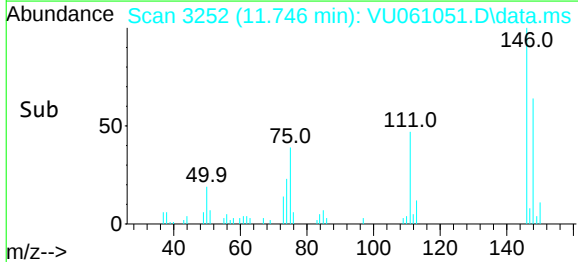
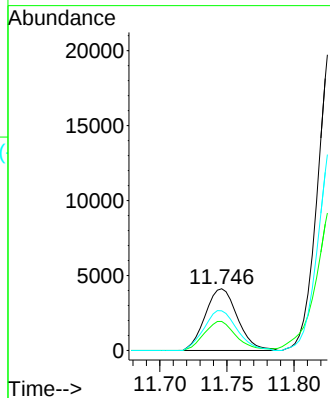
Tgt Ion:146 Resp: 6887

Ion Ratio Lower Upper

146 100

111 47.1 27.5 51.1

148 64.3 43.7 81.1



#65

1,4-Dichlorobenzene

Concen: 1.708 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.006 min

Lab File: VU061051.D

Acq: 01 Oct 2024 18:14

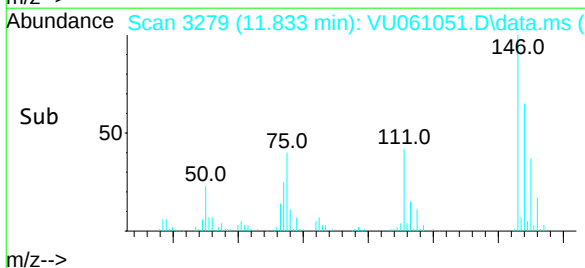
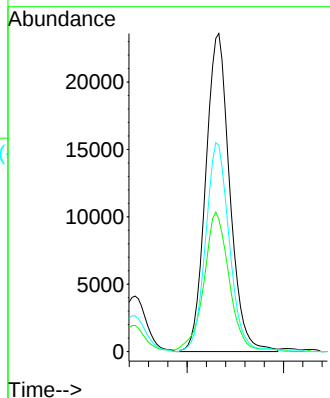
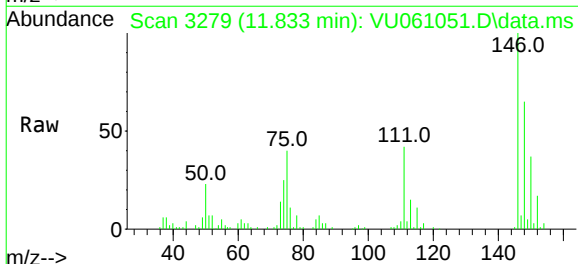
Tgt Ion:146 Resp: 40890

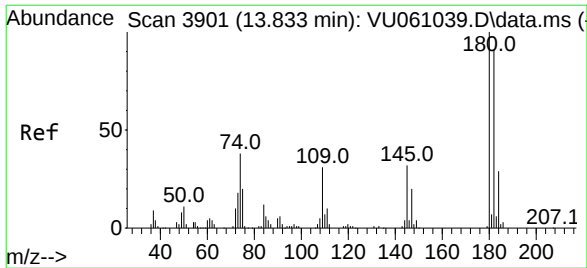
Ion Ratio Lower Upper

146 100

111 41.6 26.3 48.9

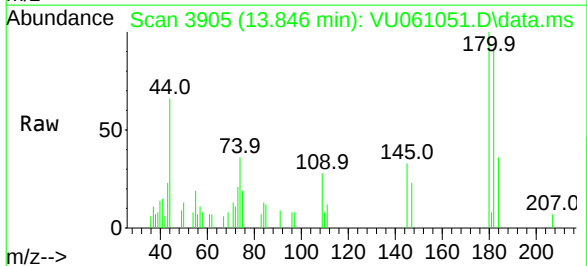
148 64.8 45.3 84.1





#70
 1,2,4-trichlorobenzene
 Concen: 0.289 ug/L
 RT: 13.846 min Scan# 39
 Delta R.T. 0.012 min
 Lab File: VU061051.D
 Acq: 01 Oct 2024 18:14

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Tgt Ion:	180	Resp:	3772
Ion Ratio	Lower	Upper	
180	100		
182	93.3	77.4	116.2
145	28.6	22.9	34.3

