

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100124\
 Data File : VU061053.D
 Acq On : 01 Oct 2024 19:03
 Operator : MD/SY
 Sample : P4227-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2(MCUA)(20240926)

Quant Time: Oct 02 02:37:25 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)

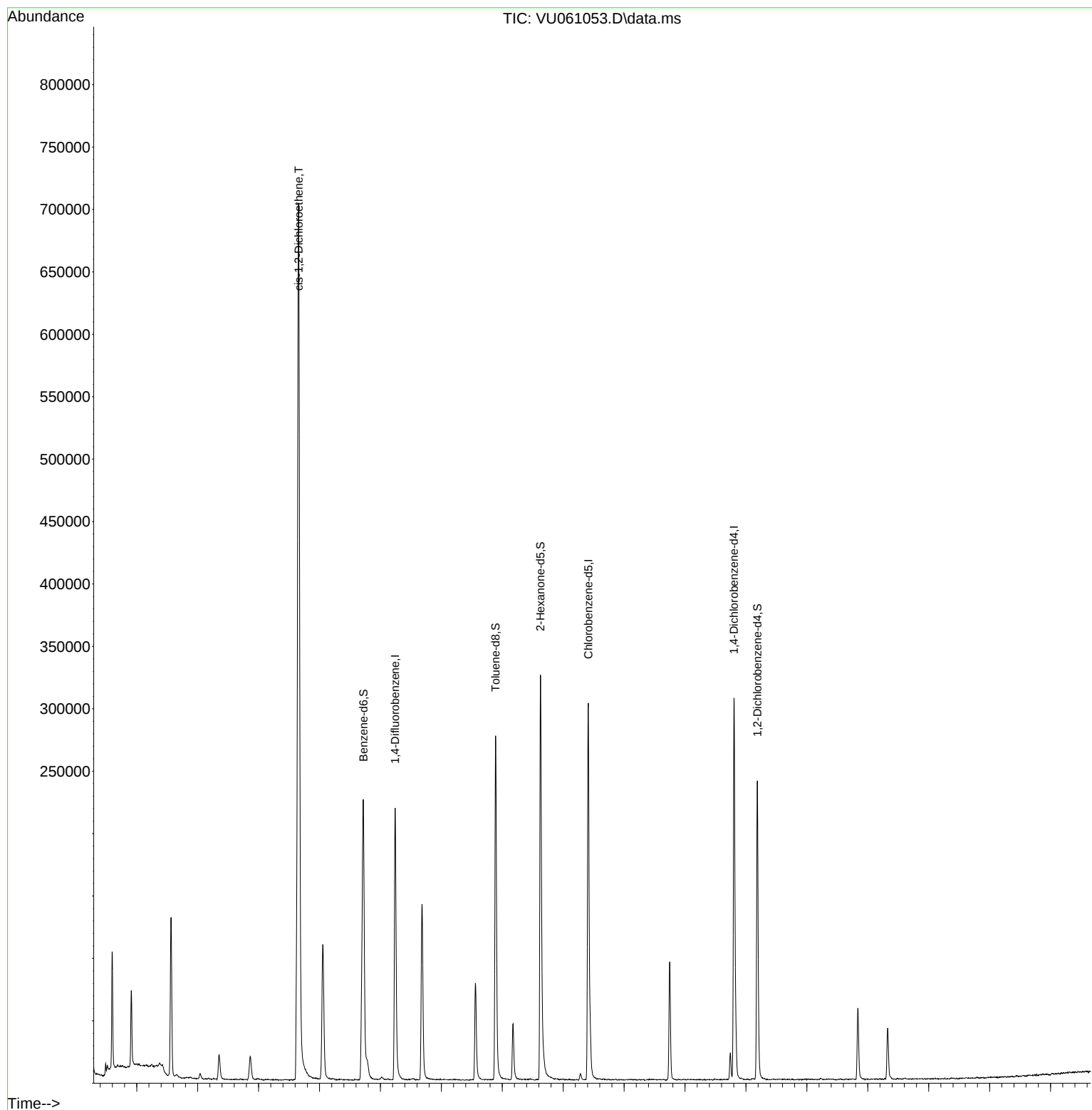
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	177079	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	164898	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	77115	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	56379	4.453	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.911	69	43340	4.573	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.400%
11) 1,1-Dichloroethene-d2	2.563	65	25380	4.544	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.800%
20) 2-Butanone-d5	4.627	46	147780	48.731	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.460%
24) Chloroform-d	5.055	84	103484	4.638	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	5.695	65	58029	4.907	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
32) Benzene-d6	5.721	84	207281	4.767	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.682	67	68833	4.821	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.891	98	190531	4.688	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
43) trans-1,3-Dichloroprop...	8.177	79	27886	4.568	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.627	63	124581	49.299	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.600%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	49672	4.744	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	60364	4.896	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.000%
Target Compounds					Qvalue	
3) Chloromethane	1.518	50	2724	0.219	ug/L	95
5) Vinyl chloride	1.602	62	12030	0.961	ug/L	97
16) Methylene chloride	3.039	84	2335	0.199	ug/L	93
18) trans-1,2-Dichloroethene	3.351	96	8151	0.727	ug/L	95
19) 1,1-Dichloroethane	3.862	63	22368	1.025	ug/L	97
22) cis-1,2-Dichloroethene	4.656	96	352388	28.227	ug/L	92
27) 1,2-Dichloroethane	5.795	62	6473	0.450	ug/L	97
33) Benzene	5.769	78	9912	0.204	ug/L	100
51) Chlorobenzene	9.441	112	17643	0.559	ug/L #	88
64) 1,3-Dichlorobenzene	11.743	146	8448	0.382	ug/L	93
65) 1,4-Dichlorobenzene	11.833	146	12757	0.584	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	3415	0.167	ug/L #	92
70) 1,2,4-trichlorobenzene	13.839	180	17552	1.471	ug/L	96
72) 1,2,3-Trichlorobenzene	14.328	180	13152	1.325	ug/L	96

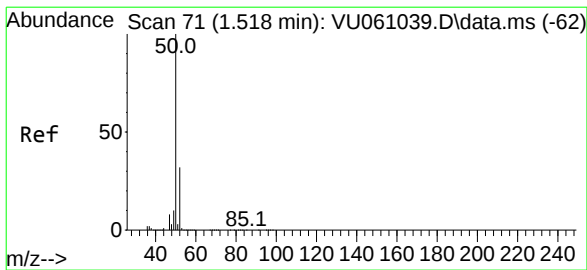
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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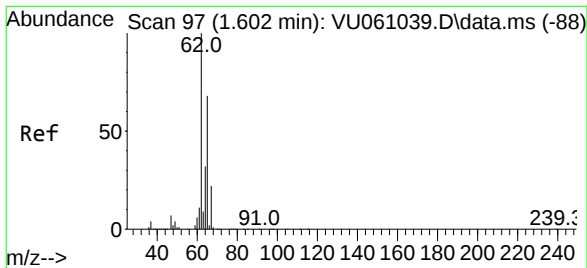
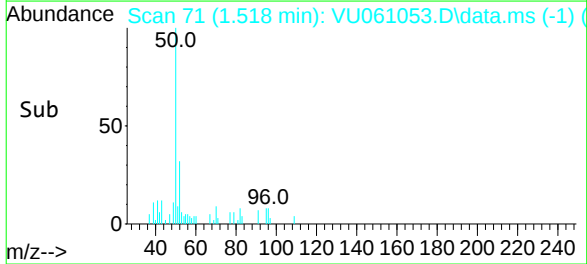
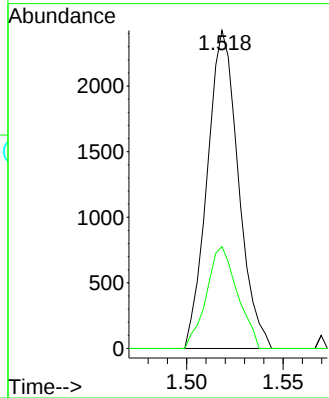
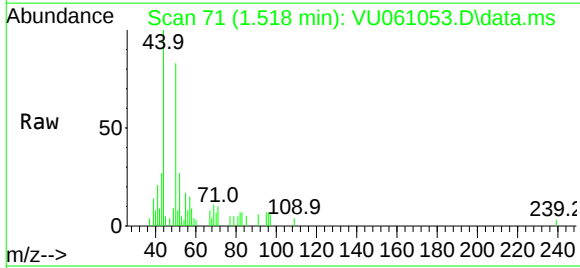




#3
Chloromethane
Concen: 0.219 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.001 min
Lab File: VU061053.D
Acq: 01 Oct 2024 19:03

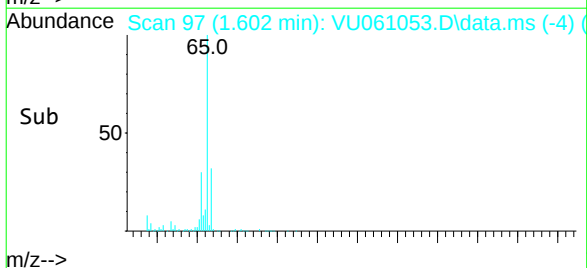
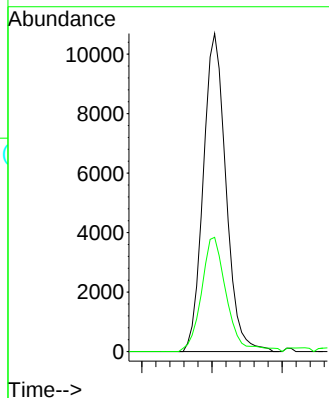
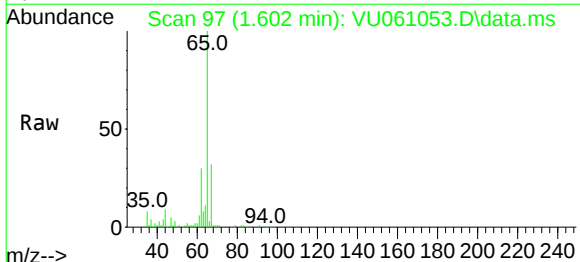
Instrument :
MSVOA_U
ClientSampleId :
MW-2(MCUA)(20240926)

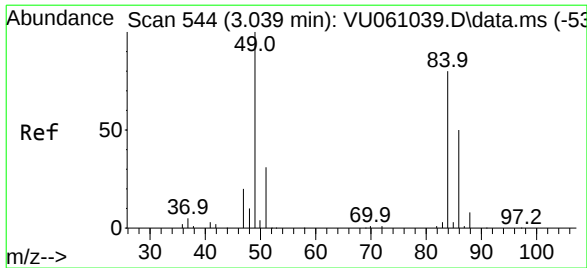
Tgt Ion: 50 Resp: 2724
Ion Ratio Lower Upper
50 100
52 32.0 24.4 45.4



#5
Vinyl chloride
Concen: 0.961 ug/L
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU061053.D
Acq: 01 Oct 2024 19:03

Tgt Ion: 62 Resp: 12030
Ion Ratio Lower Upper
62 100
64 35.9 24.0 44.6

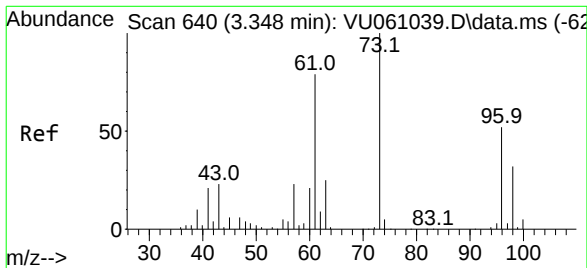
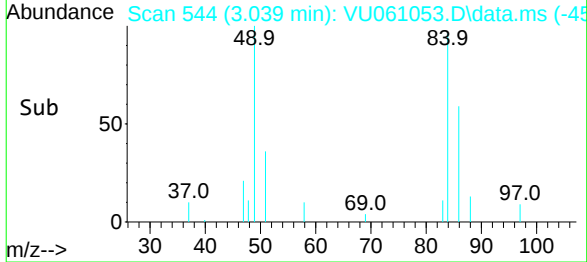
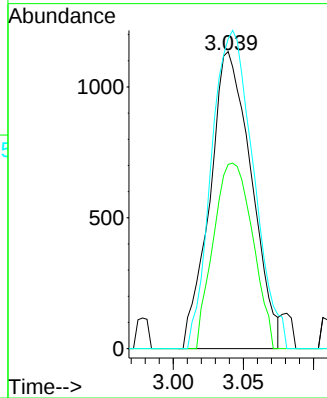
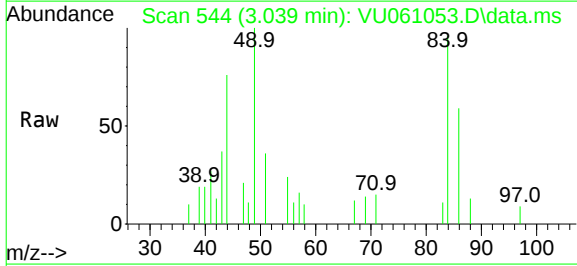




#16
Methylene chloride
Concen: 0.199 ug/L
RT: 3.039 min Scan# 54
Delta R.T. -0.000 min
Lab File: VU061053.D
Acq: 01 Oct 2024 19:03

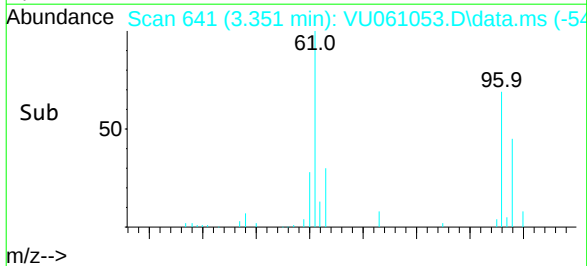
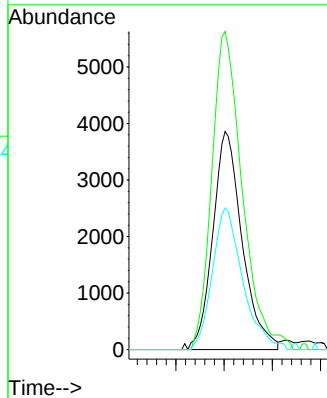
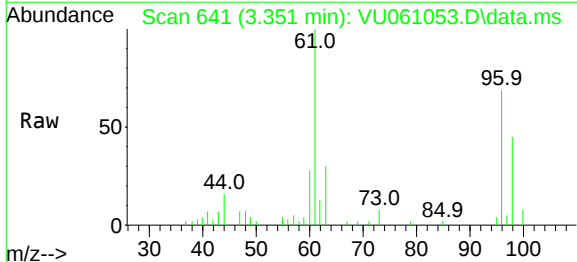
Instrument :
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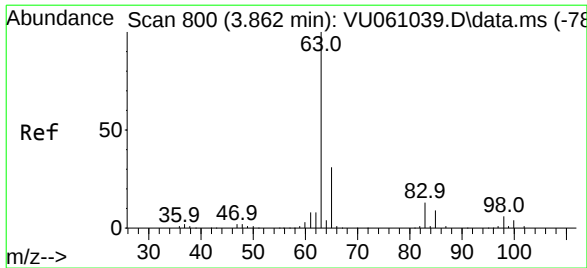
Tgt Ion:	84	Resp:	2335
Ion	Ratio	Lower	Upper
84	100		
86	62.0	47.3	87.8
49	104.3	78.7	146.1



#18
trans-1,2-Dichloroethene
Concen: 0.727 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU061053.D
Acq: 01 Oct 2024 19:03

Tgt Ion:	96	Resp:	8151
Ion	Ratio	Lower	Upper
96	100		
61	145.8	97.2	180.6
98	65.0	43.3	80.5

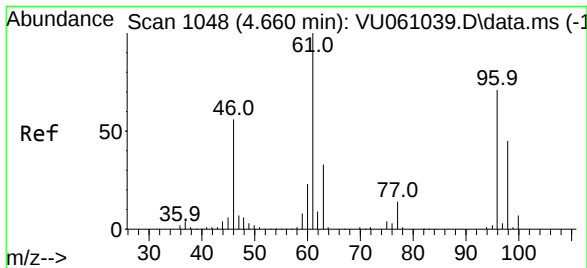
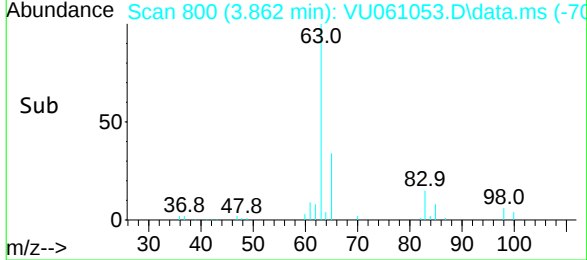
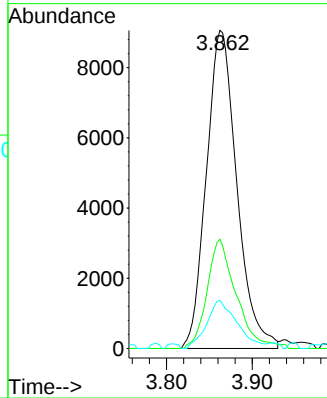
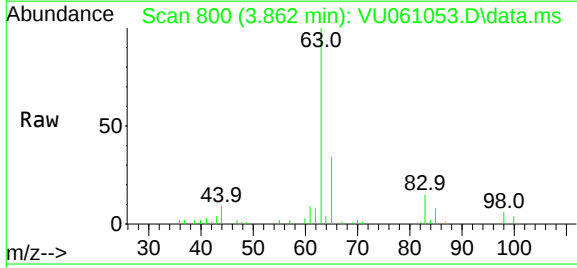




#19
1,1-Dichloroethane
Concen: 1.025 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU061053.D
Acq: 01 Oct 2024 19:03

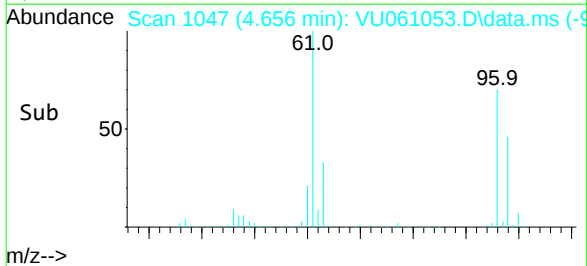
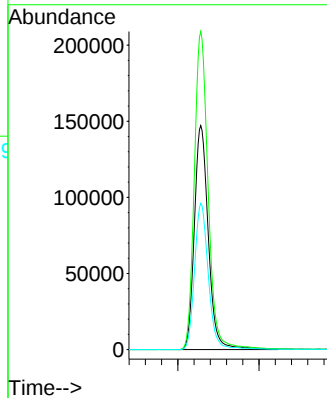
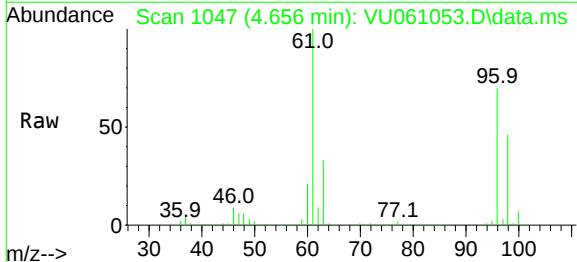
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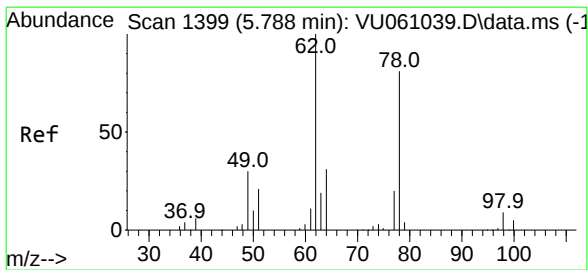
Tgt Ion:	63	Resp:	22368
Ion	Ratio	Lower	Upper
63	100		
65	34.4	23.0	42.8
83	15.1	9.0	16.6



#22
cis-1,2-Dichloroethene
Concen: 28.227 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.000 min
Lab File: VU061053.D
Acq: 01 Oct 2024 19:03

Tgt Ion:	96	Resp:	352388
Ion	Ratio	Lower	Upper
96	100		
61	142.0	89.7	166.5
98	65.3	45.1	83.9

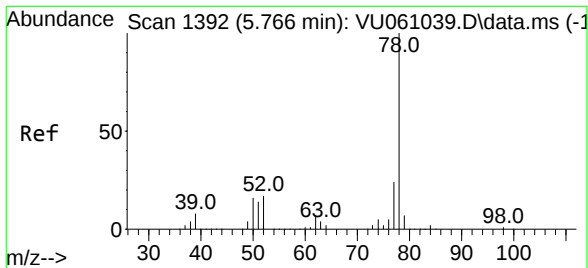
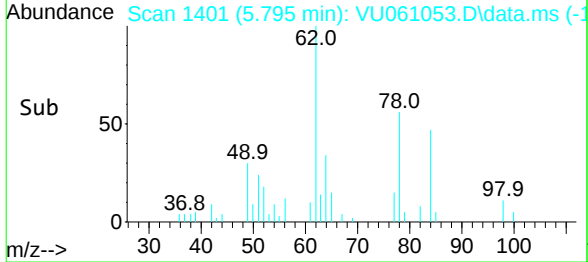
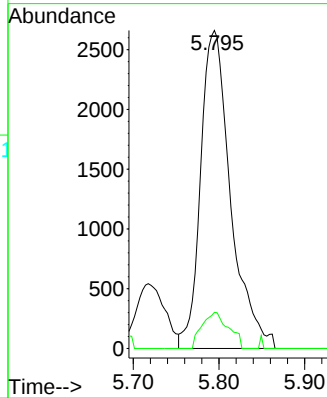
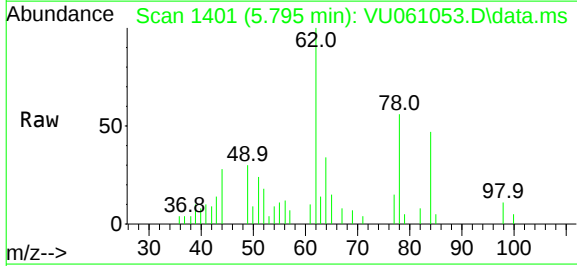




#27
1,2-Dichloroethane
Concen: 0.450 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.009 min
Lab File: VU061053.D
Acq: 01 Oct 2024 19:03

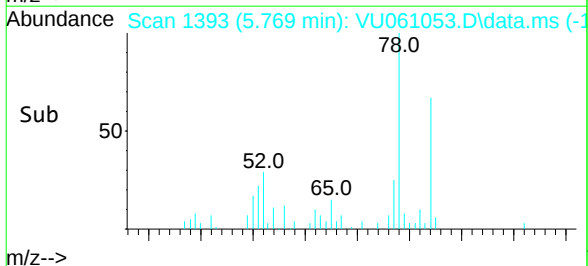
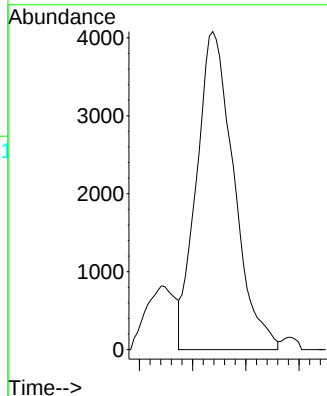
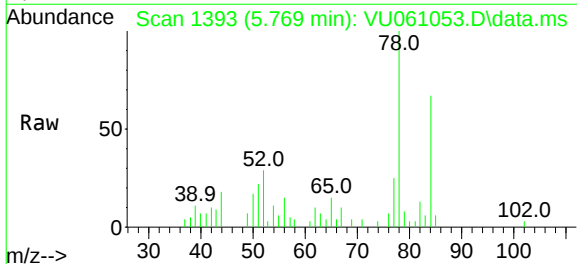
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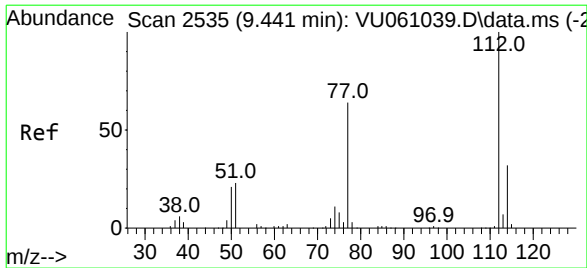
Tgt Ion: 62 Resp: 6473
Ion Ratio Lower Upper
62 100
98 11.3 8.2 12.4



#33
Benzene
Concen: 0.204 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU061053.D
Acq: 01 Oct 2024 19:03

Tgt Ion: 78 Resp: 9912





#51

Chlorobenzene

Concen: 0.559 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU061053.D

Acq: 01 Oct 2024 19:03

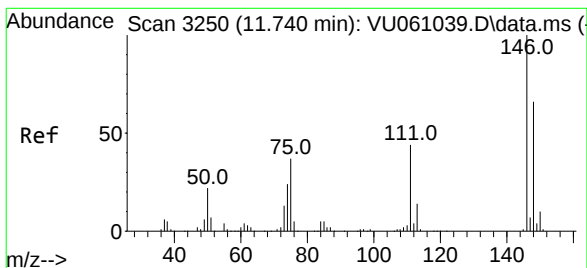
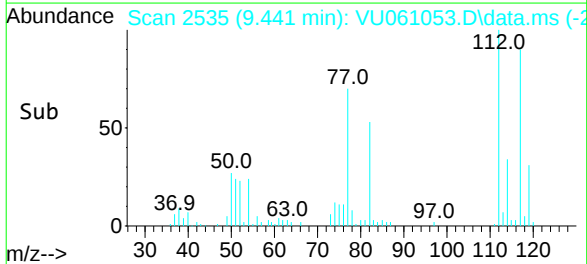
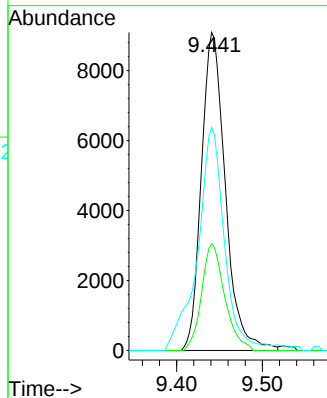
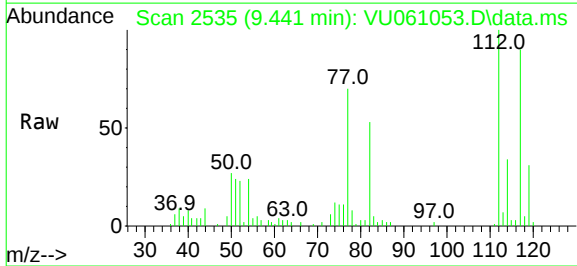
Instrument :

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Tgt Ion:	112	Resp:	17643
Ion	Ratio	Lower	Upper
112	100		
114	33.5	22.2	41.2
77	70.1	46.1	69.1



#64

1,3-Dichlorobenzene

Concen: 0.382 ug/L

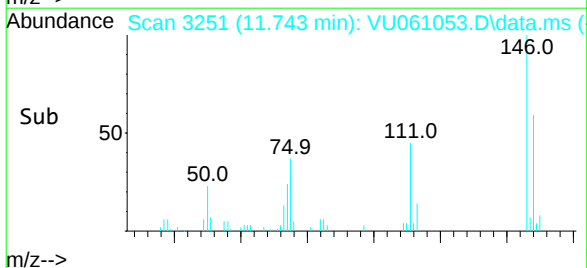
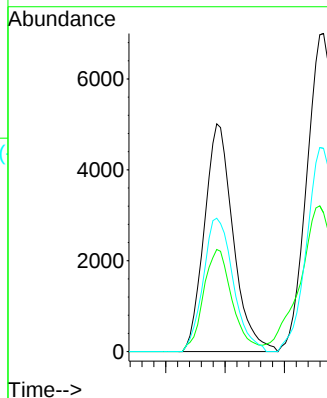
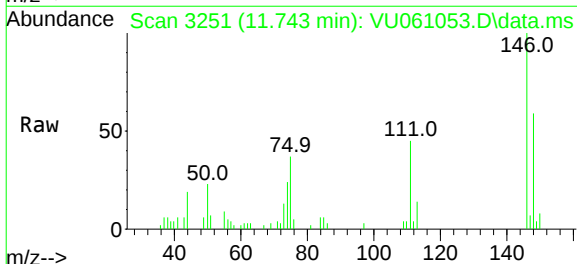
RT: 11.743 min Scan# 3251

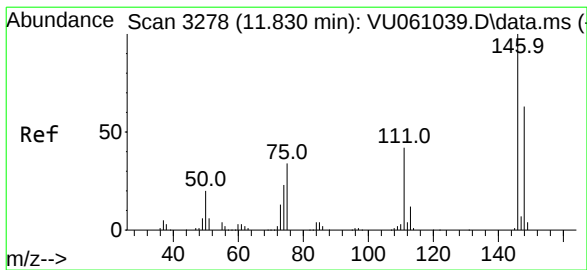
Delta R.T. 0.006 min

Lab File: VU061053.D

Acq: 01 Oct 2024 19:03

Tgt Ion:	146	Resp:	8448
Ion	Ratio	Lower	Upper
146	100		
111	44.8	27.5	51.1
148	58.5	43.7	81.1





#65

1,4-Dichlorobenzene

Concen: 0.584 ug/L

RT: 11.833 min Scan# 3278

Delta R.T. 0.006 min

Lab File: VU061053.D

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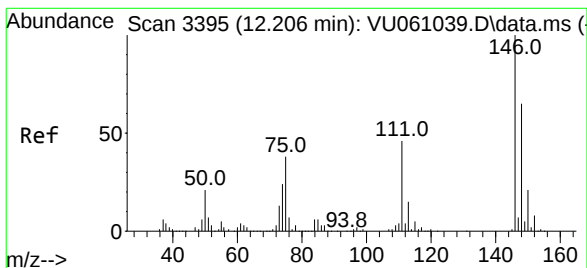
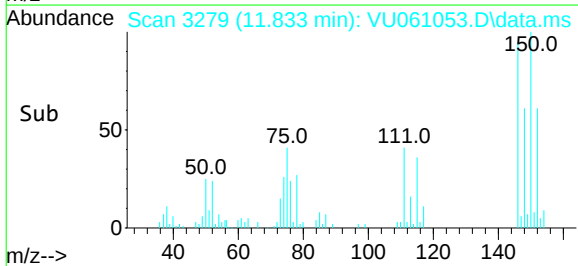
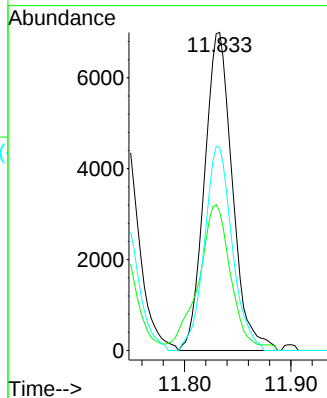
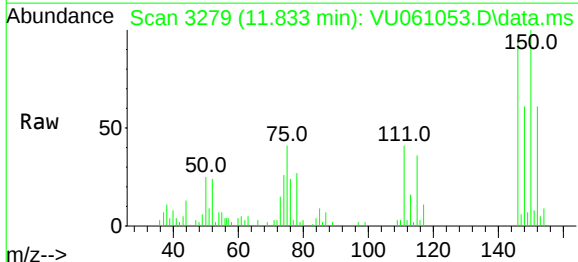
Tgt Ion:146 Resp: 12757

Ion Ratio Lower Upper

146 100

111 43.6 26.3 48.9

148 63.9 45.3 84.1



#67

1,2-Dichlorobenzene

Concen: 0.167 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU061053.D

Acq: 01 Oct 2024 19:03

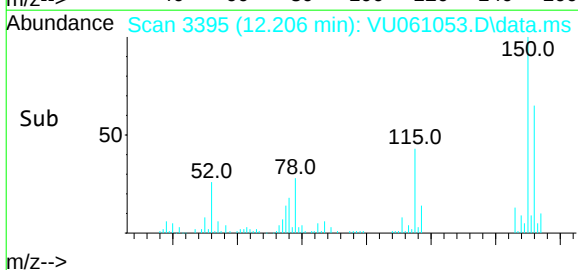
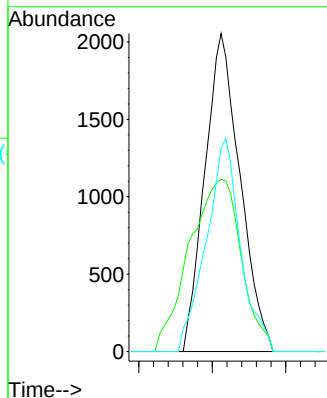
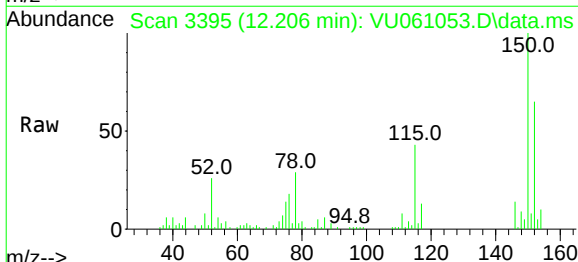
Tgt Ion:146 Resp: 3415

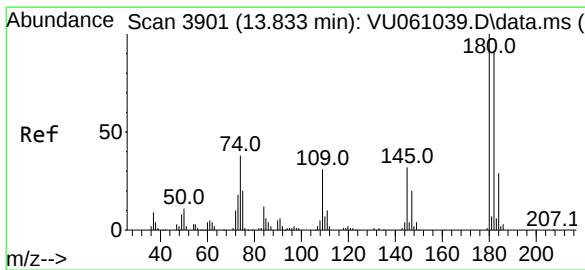
Ion Ratio Lower Upper

146 100

111 54.2 33.4 50.0#

148 64.0 50.9 76.3





#70

1,2,4-trichlorobenzene

Concen: 1.471 ug/L

RT: 13.839 min Scan# 39

Delta R.T. 0.006 min

Lab File: VU061053.D

Acq: 01 Oct 2024 19:03

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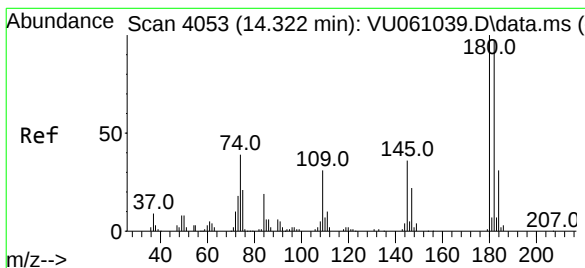
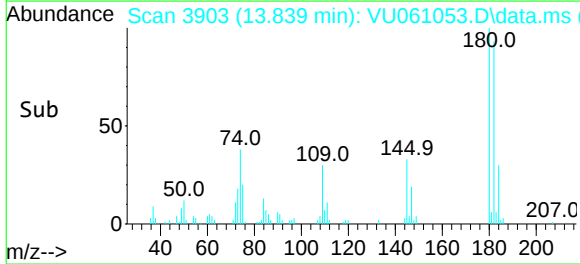
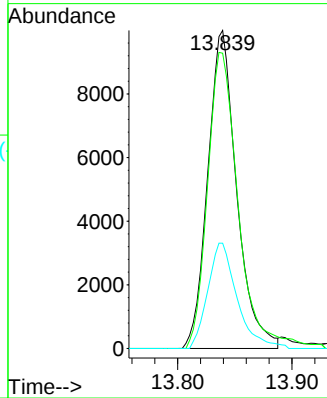
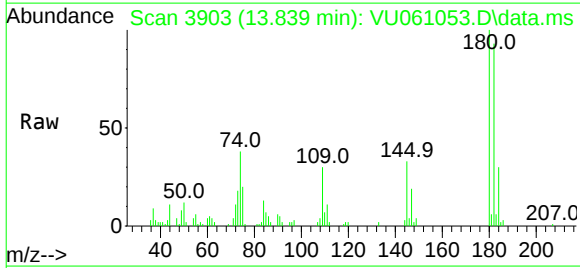
Tgt Ion:180 Resp: 17552

Ion Ratio Lower Upper

180 100

182 99.1 77.4 116.2

145 33.7 22.9 34.3



#72

1,2,3-Trichlorobenzene

Concen: 1.325 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.006 min

Lab File: VU061053.D

Acq: 01 Oct 2024 19:03

Tgt Ion:180 Resp: 13152

Ion Ratio Lower Upper

180 100

182 97.1 75.7 113.5

145 34.9 23.5 35.3

