

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100124\
 Data File : VU061056.D
 Acq On : 01 Oct 2024 20:16
 Operator : MD/SY
 Sample : P4227-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-4(20240927)

Quant Time: Oct 02 02:37:42 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)

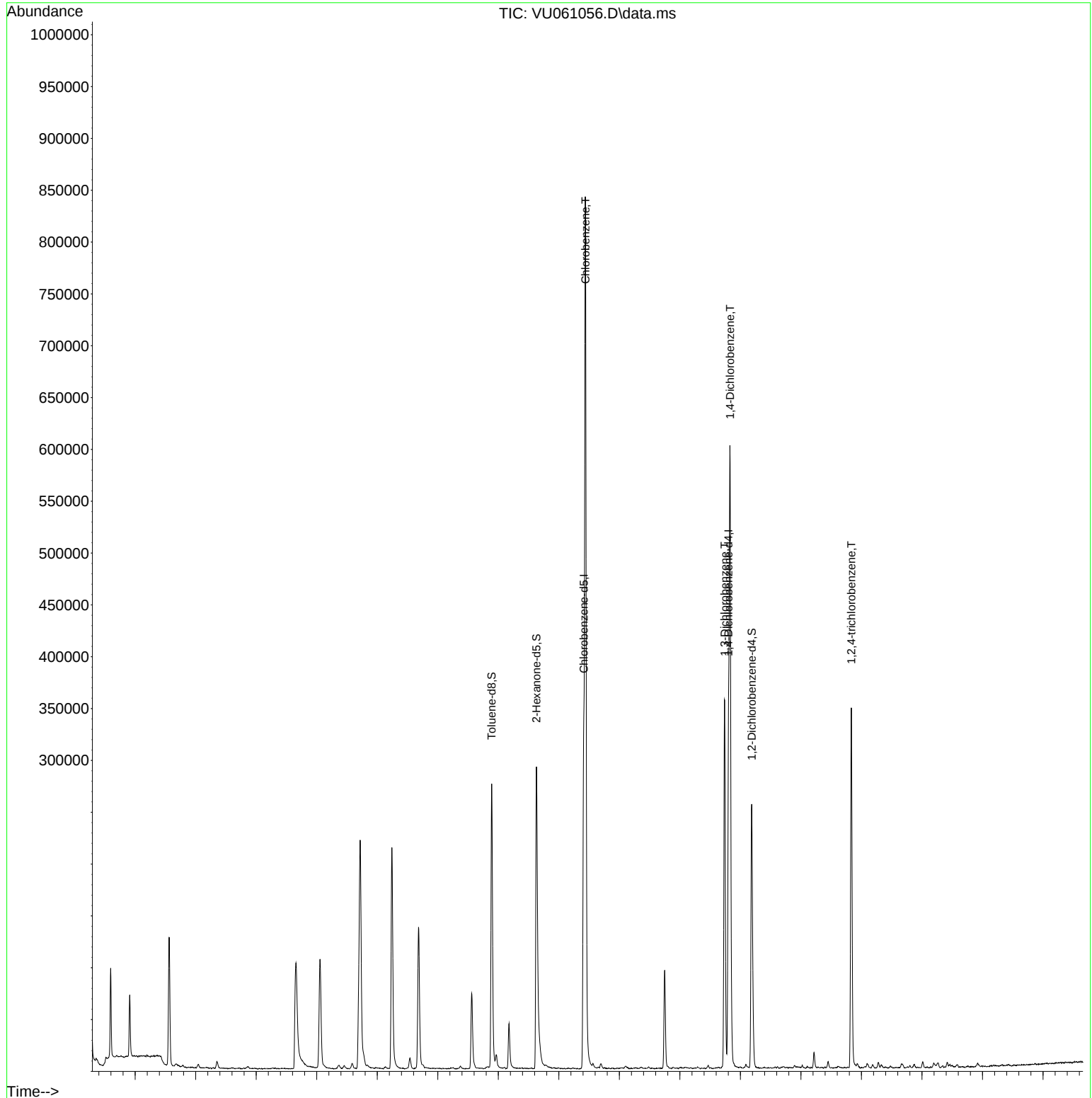
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	174965	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	163159	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	79412	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	55023	4.399	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.000%
7) Chloroethane-d5	1.911	69	43076	4.601	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.000%
11) 1,1-Dichloroethene-d2	2.563	65	24813	4.497	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.000%
20) 2-Butanone-d5	4.650	46	141257	47.142	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.280%
24) Chloroform-d	5.055	84	98835	4.483	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
26) 1,2-Dichloroethane-d4	5.695	65	55226	4.726	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
32) Benzene-d6	5.721	84	202982	4.718	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.682	67	67290	4.763	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.200%
41) Toluene-d8	7.891	98	187469	4.662	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
43) trans-1,3-Dichloroprop...	8.177	79	27138	4.492	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.800%
46) 2-Hexanone-d5	8.630	63	123878	49.544	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.080%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	49465	4.774	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	61004	4.804	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.000%
Target Compounds	Qvalue					
3) Chloromethane	1.515	50	1680	0.136	ug/L	98
5) Vinyl chloride	1.602	62	4759	0.385	ug/L	87
16) Methylene chloride	3.042	84	1636	0.141	ug/L	87
18) trans-1,2-Dichloroethene	3.351	96	2806	0.253	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	26288	2.131	ug/L	94
33) Benzene	5.772	78	9053	0.188	ug/L	100
42) Toluene	7.968	91	9609	0.188	ug/L	98
51) Chlorobenzene	9.441	112	431657	13.830	ug/L	93
64) 1,3-Dichlorobenzene	11.740	146	134918	5.926	ug/L	95
65) 1,4-Dichlorobenzene	11.830	146	211897	9.416	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	17147	0.815	ug/L	94
70) 1,2,4-trichlorobenzene	13.833	180	97948	7.974	ug/L	97

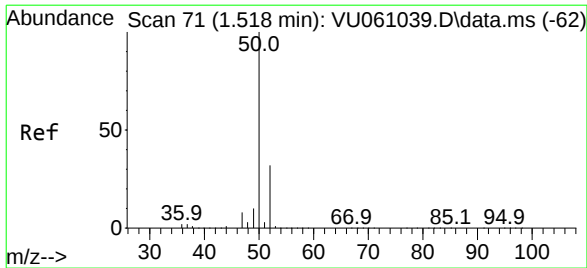
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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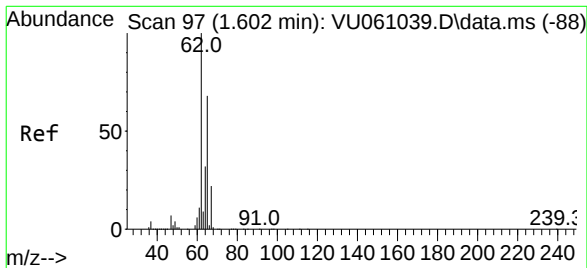
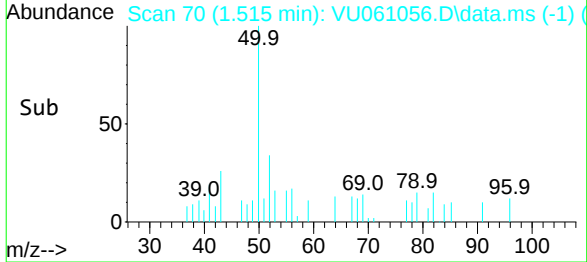
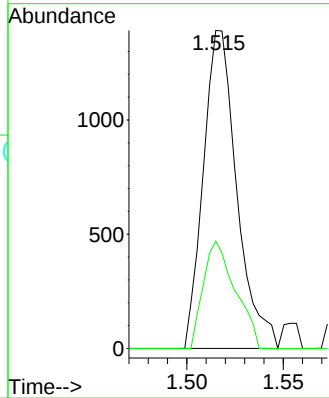
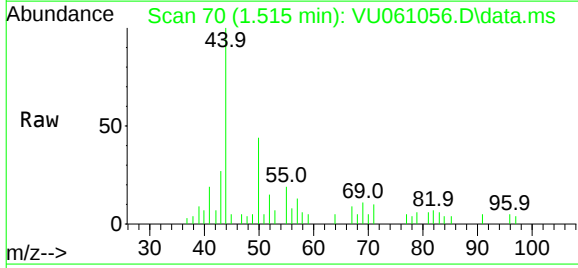




#3
Chloromethane
Concen: 0.136 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.004 min
Lab File: VU061056.D
Acq: 01 Oct 2024 20:16

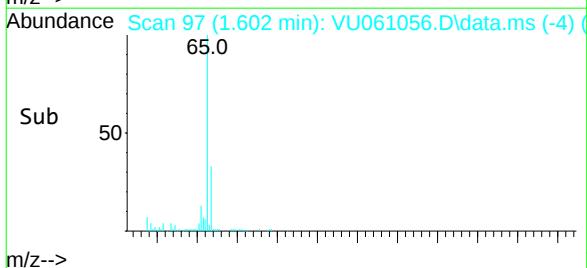
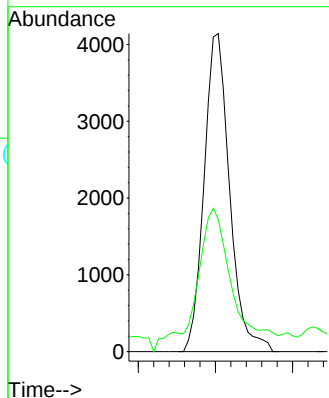
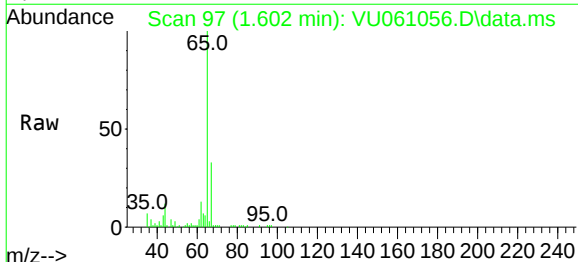
Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20240927)

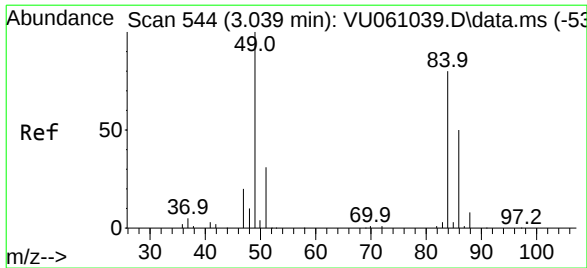
Tgt Ion: 50 Resp: 1680
Ion Ratio Lower Upper
50 100
52 33.8 24.4 45.4



#5
Vinyl chloride
Concen: 0.385 ug/L
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU061056.D
Acq: 01 Oct 2024 20:16

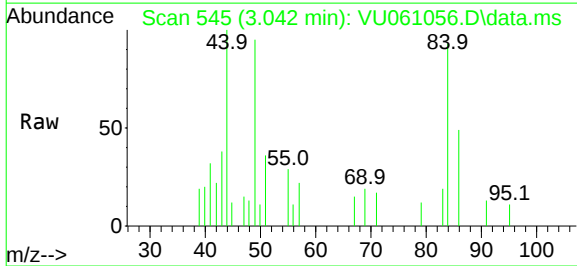
Tgt Ion: 62 Resp: 4759
Ion Ratio Lower Upper
62 100
64 41.6 24.0 44.6



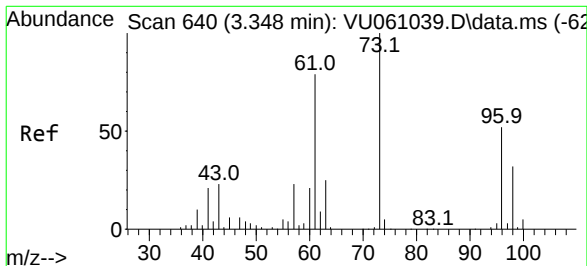
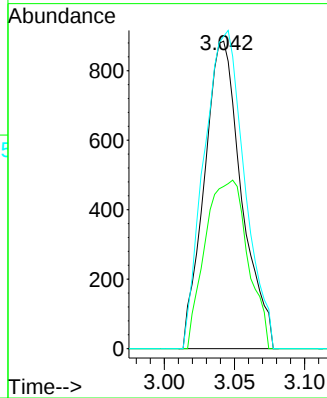
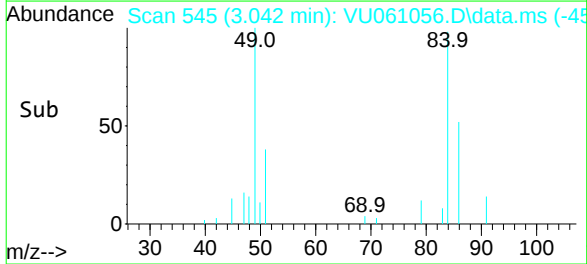


#16
Methylene chloride
Concen: 0.141 ug/L
RT: 3.042 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU061056.D
Acq: 01 Oct 2024 20:16

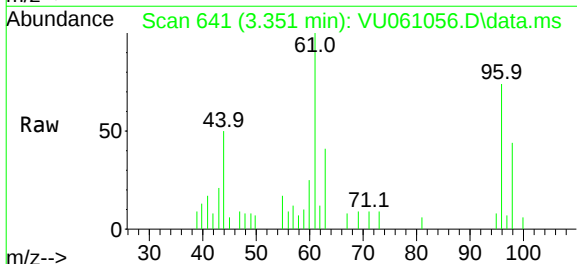
Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20240927)



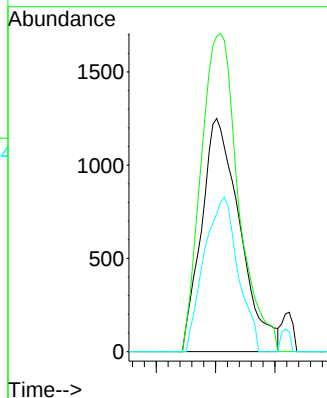
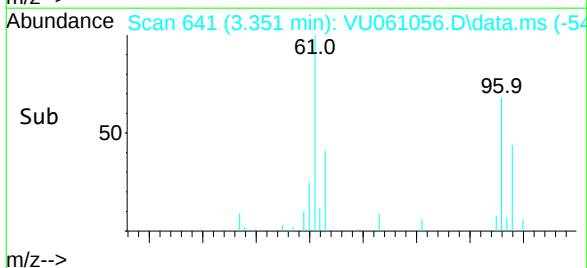
Tgt Ion: 84 Resp: 1636
Ion Ratio Lower Upper
84 100
86 52.8 47.3 87.8
49 101.6 78.7 146.1

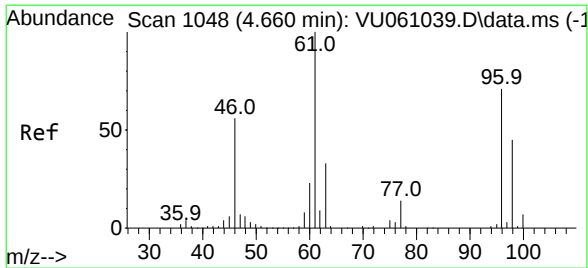


#18
trans-1,2-Dichloroethene
Concen: 0.253 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU061056.D
Acq: 01 Oct 2024 20:16



Tgt Ion: 96 Resp: 2806
Ion Ratio Lower Upper
96 100
61 135.4 97.2 180.6
98 59.2 43.3 80.5

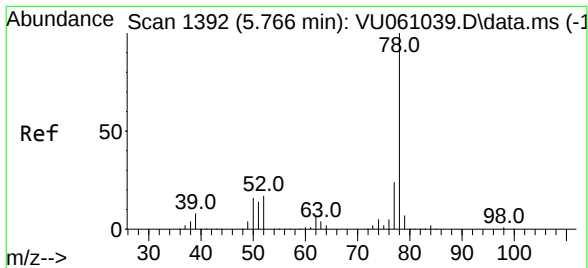
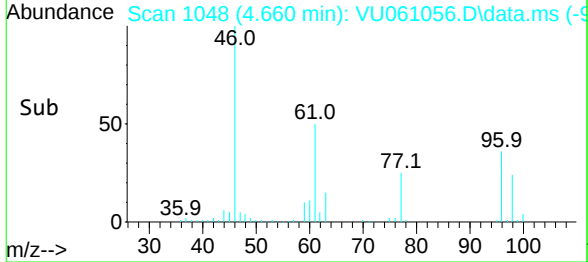
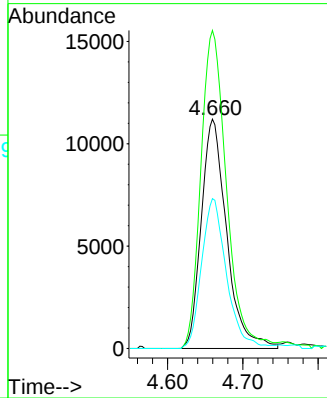
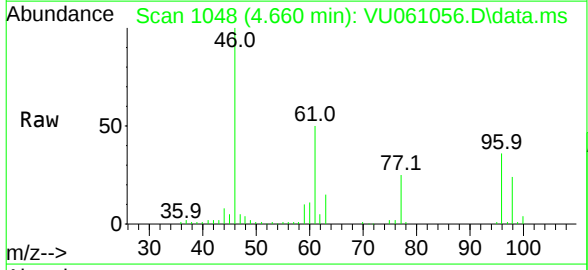




#22
 cis-1,2-Dichloroethene
 Concen: 2.131 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.003 min
 Lab File: VU061056.D
 Acq: 01 Oct 2024 20:16

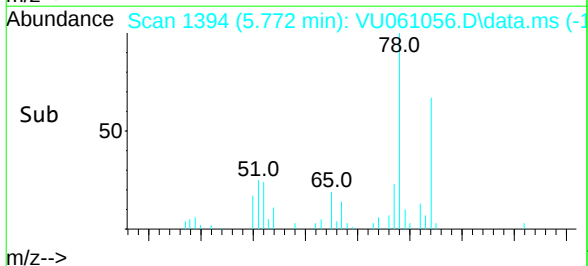
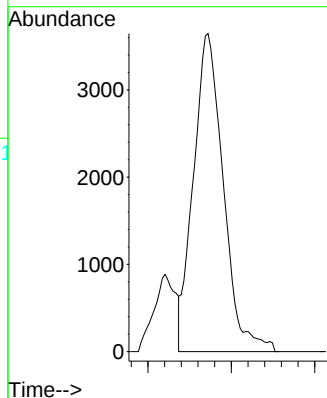
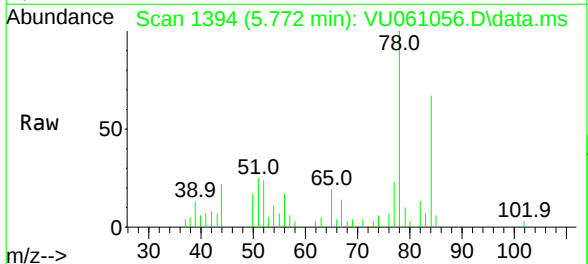
Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-4(20240927)

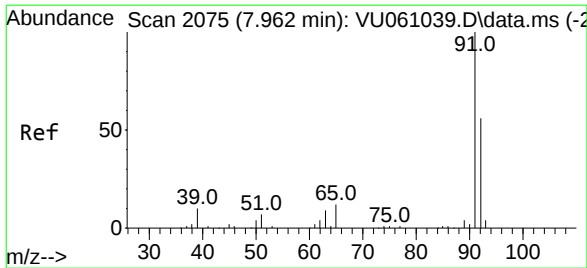
Tgt Ion: 96	Resp: 26288
Ion Ratio	Lower Upper
96	100
61	138.7 89.7 166.5
98	65.4 45.1 83.9



#33
 Benzene
 Concen: 0.188 ug/L
 RT: 5.772 min Scan# 1394
 Delta R.T. 0.006 min
 Lab File: VU061056.D
 Acq: 01 Oct 2024 20:16

Tgt Ion: 78 Resp: 9053





#42

Toluene

Concen: 0.188 ug/L

RT: 7.968 min Scan# 2075

Delta R.T. 0.006 min

Lab File: VU061056.D

Acq: 01 Oct 2024 20:16

Instrument :

MSVOA_U

ClientSampleId :

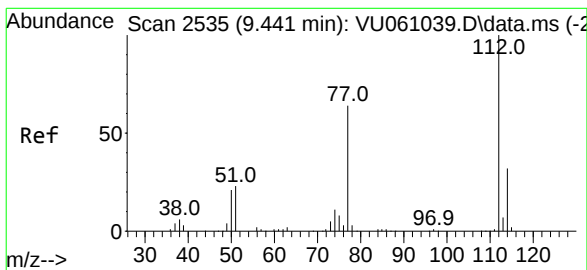
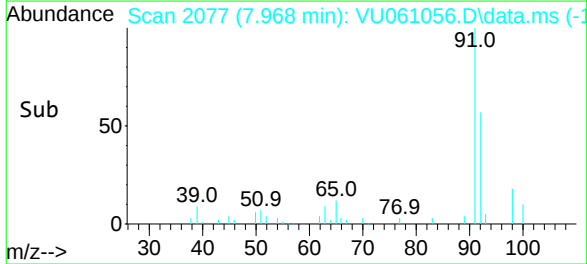
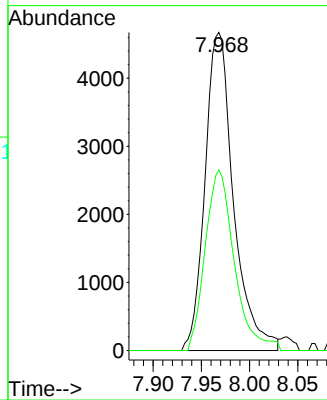
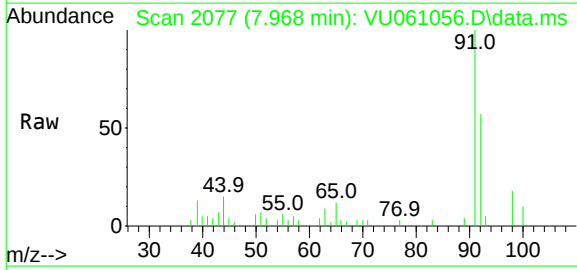
PMW-4(20240927)

Tgt Ion: 91 Resp: 9609

Ion Ratio Lower Upper

91 100

92 56.8 40.5 75.3



#51

Chlorobenzene

Concen: 13.830 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU061056.D

Acq: 01 Oct 2024 20:16

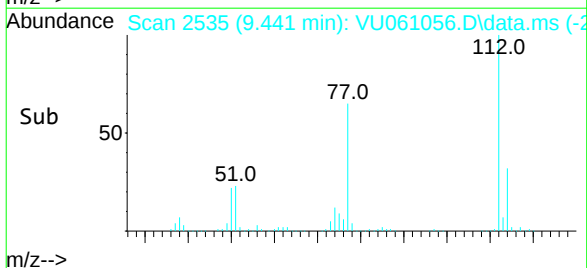
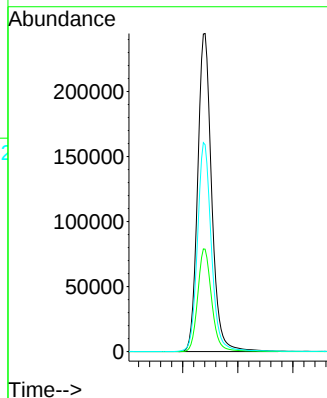
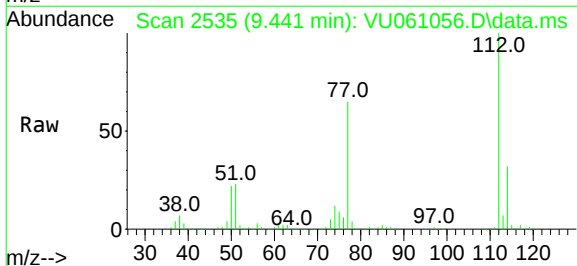
Tgt Ion: 112 Resp: 431657

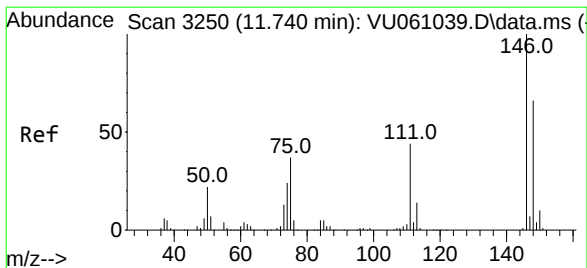
Ion Ratio Lower Upper

112 100

114 32.2 22.2 41.2

77 65.0 46.1 69.1





#64

1,3-Dichlorobenzene

Concen: 5.926 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.003 min

Lab File: VU061056.D

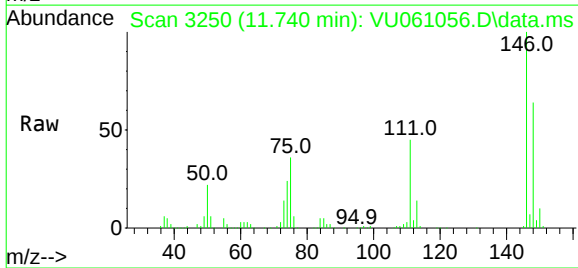
Acq: 01 Oct 2024 20:16

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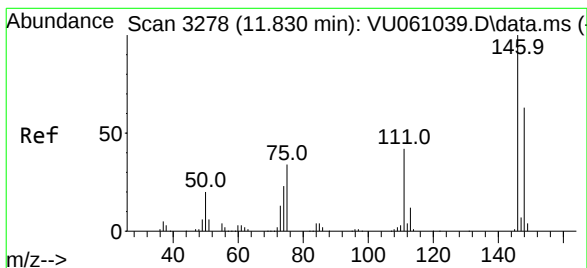
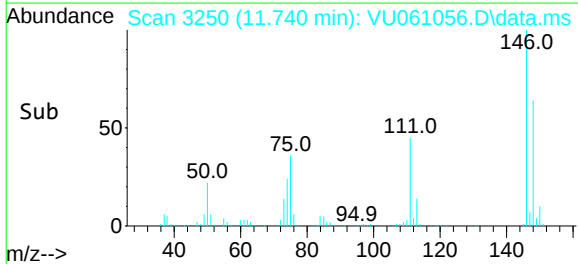
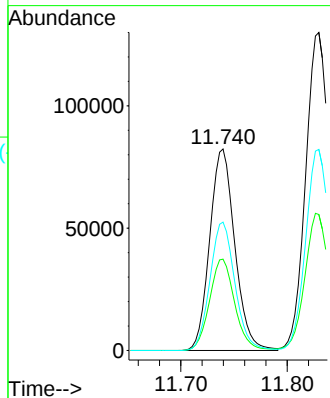
Tgt Ion:146 Resp: 134918

Ion Ratio Lower Upper

146 100

111 45.3 27.5 51.1

148 63.7 43.7 81.1



#65

1,4-Dichlorobenzene

Concen: 9.416 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU061056.D

Acq: 01 Oct 2024 20:16

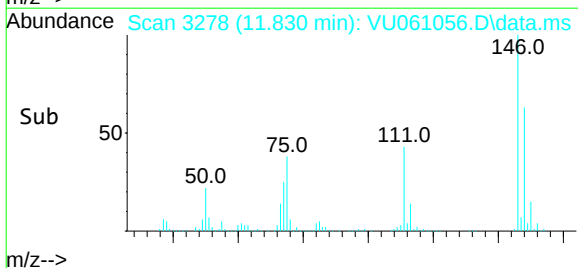
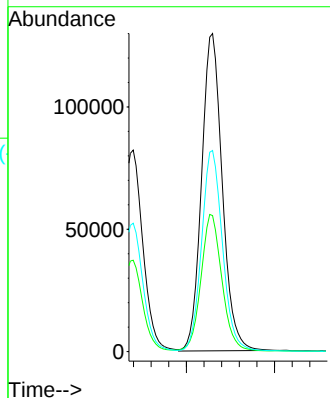
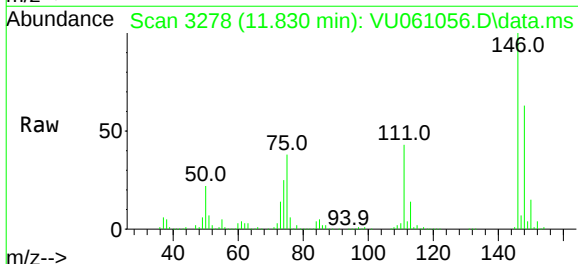
Tgt Ion:146 Resp: 211897

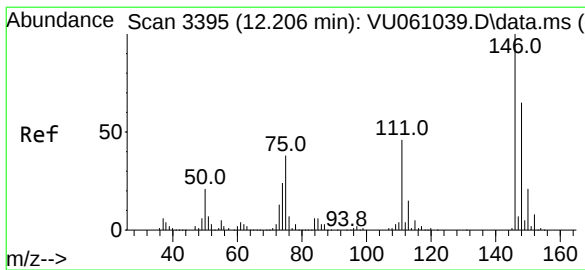
Ion Ratio Lower Upper

146 100

111 42.8 26.3 48.9

148 63.2 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 0.815 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU061056.D

Acq: 01 Oct 2024 20:16

Instrument :

MSVOA_U

ClientSampleId :

PMW-4(20240927)

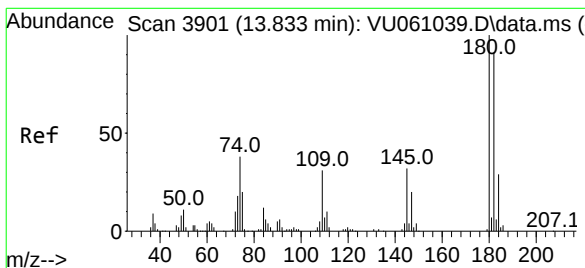
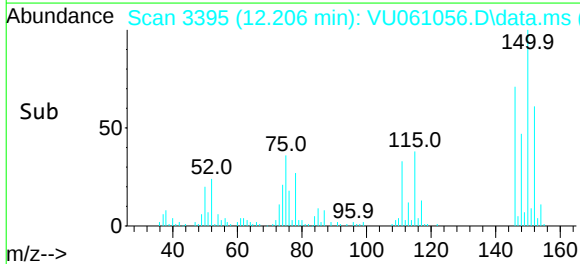
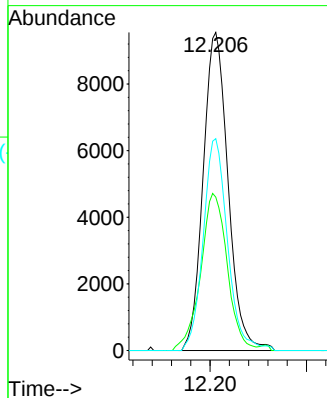
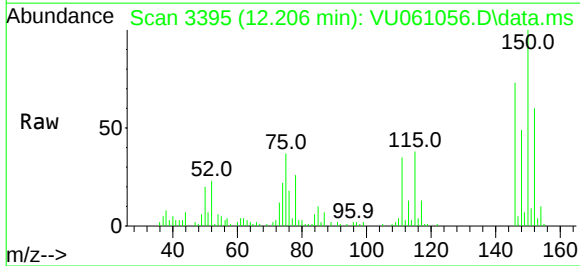
Tgt Ion:146 Resp: 17147

Ion Ratio Lower Upper

146 100

111 48.2 33.4 50.0

148 66.6 50.9 76.3



#70

1,2,4-trichlorobenzene

Concen: 7.974 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU061056.D

Acq: 01 Oct 2024 20:16

Tgt Ion:180 Resp: 97948

Ion Ratio Lower Upper

180 100

182 95.2 77.4 116.2

145 33.4 22.9 34.3

