

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100224\
 Data File : VU061069.D
 Acq On : 02 Oct 2024 12:25
 Operator : MD/SY
 Sample : P4227-05 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-8S(20240926)

Quant Time: Oct 03 06:28:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 03 06:26:52 2024
 Response via : Initial Calibration

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

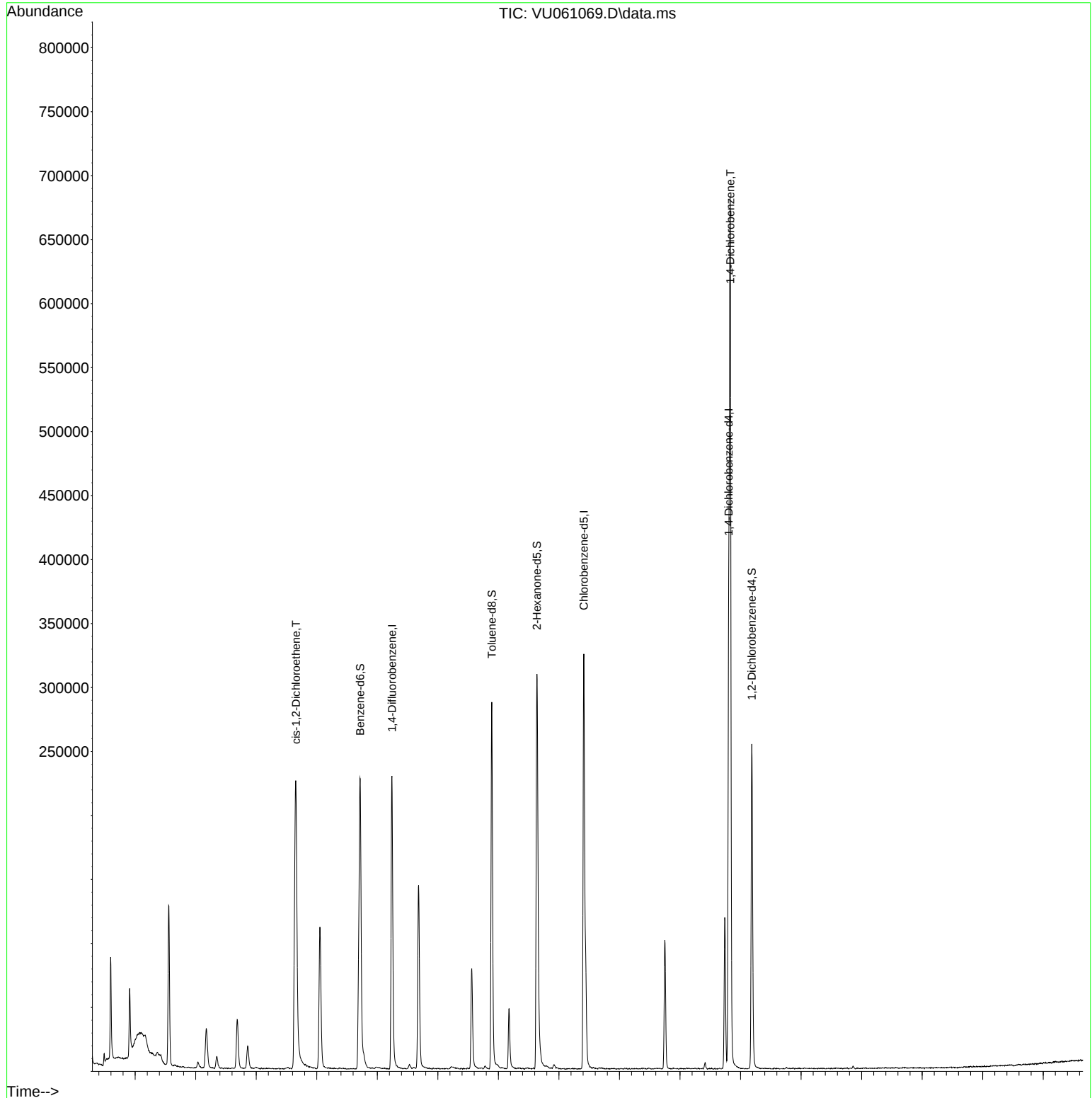
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	186873	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	174825	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	85205	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	55646	4.165	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.400%
7) Chloroethane-d5	1.911	69	42389	4.239	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.800%
11) 1,1-Dichloroethene-d2	2.557	65	24821	4.211	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.200%
20) 2-Butanone-d5	4.634	46	158031	49.380	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.760%
24) Chloroform-d	5.052	84	104642	4.444	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
26) 1,2-Dichloroethane-d4	5.692	65	57596	4.615	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
32) Benzene-d6	5.718	84	209296	4.540	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
36) 1,2-Dichloropropane-d6	6.682	67	71747	4.739	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.800%
41) Toluene-d8	7.891	98	192902	4.477	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
43) trans-1,3-Dichloroprop...	8.174	79	28702	4.434	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.600%
46) 2-Hexanone-d5	8.637	63	133355	49.775	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.540%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	52644	4.742	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	63799	4.683	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
5) Vinyl chloride	1.599	62	5886	0.446	ug/L #	81
18) trans-1,2-Dichloroethene	3.348	96	3747	0.317	ug/L	96
19) 1,1-Dichloroethane	3.859	63	20348	0.884	ug/L	96
22) cis-1,2-Dichloroethene	4.656	96	87823	6.666	ug/L	93
33) Benzene	5.772	78	7494	0.145	ug/L	100
51) Chlorobenzene	9.441	112	39865	1.192	ug/L	95
64) 1,3-Dichlorobenzene	11.740	146	45220	1.851	ug/L	95
65) 1,4-Dichlorobenzene	11.830	146	248128	10.276	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	4169	0.185	ug/L #	91

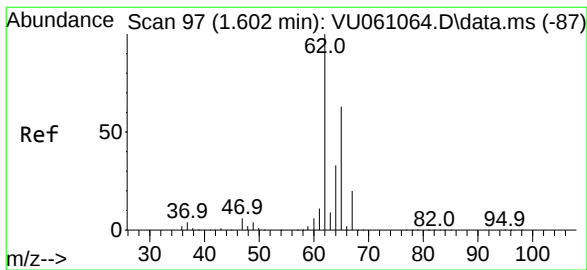
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 03 06:26:52 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.446 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.003 min

Lab File: VU061069.D

Acq: 02 Oct 2024 12:25

Instrument :

MSVOA_U

ClientSampleId :

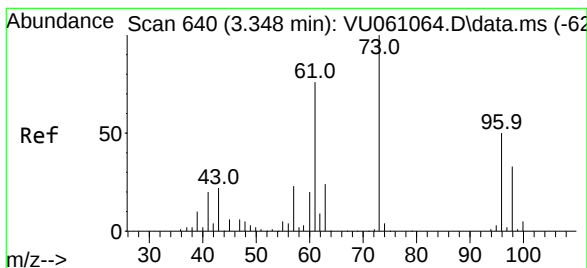
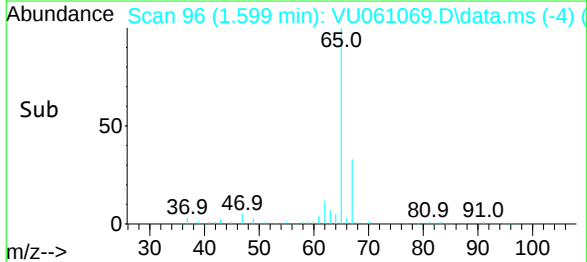
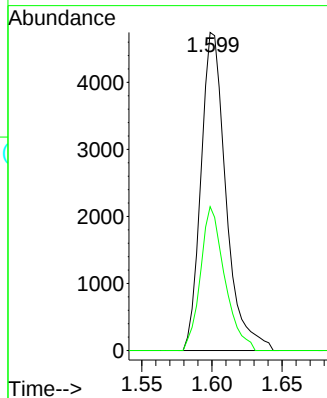
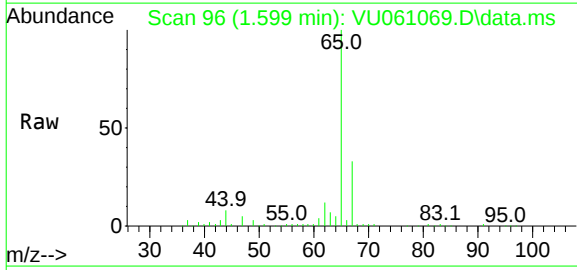
PMW-8S(20240926)

Tgt Ion: 62 Resp: 5886

Ion Ratio Lower Upper

62 100

64 45.2 24.0 44.6#



#18

trans-1,2-Dichloroethene

Concen: 0.317 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU061069.D

Acq: 02 Oct 2024 12:25

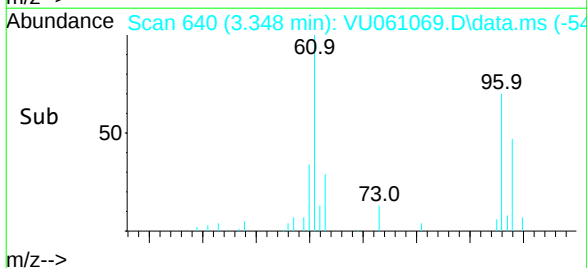
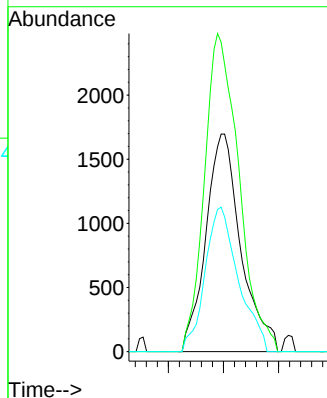
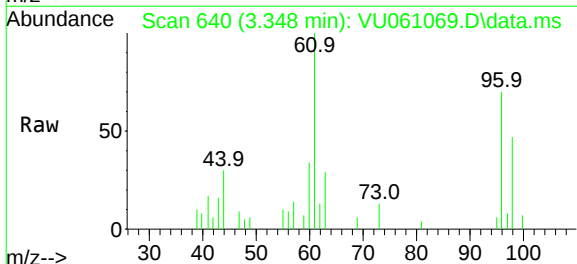
Tgt Ion: 96 Resp: 3747

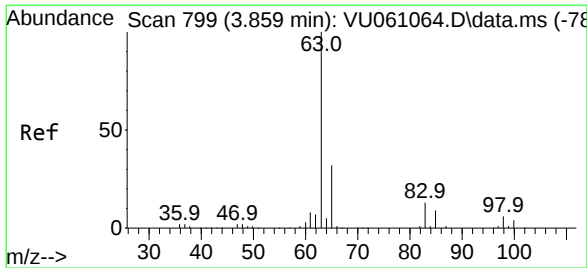
Ion Ratio Lower Upper

96 100

61 142.3 97.2 180.6

98 66.5 43.3 80.5

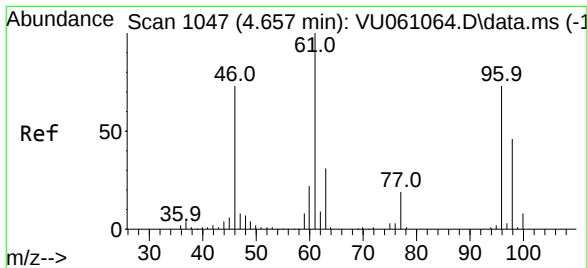
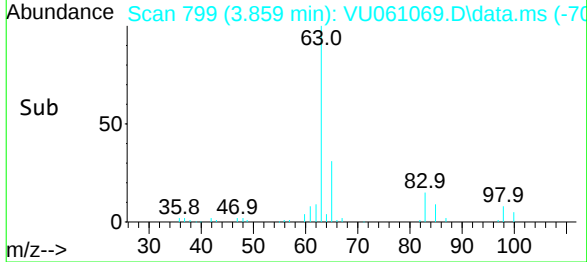
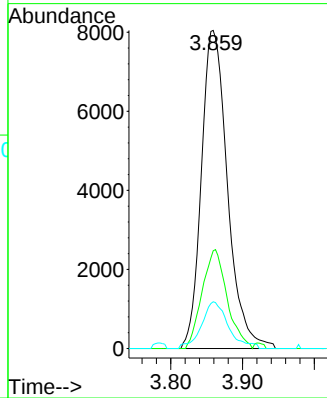
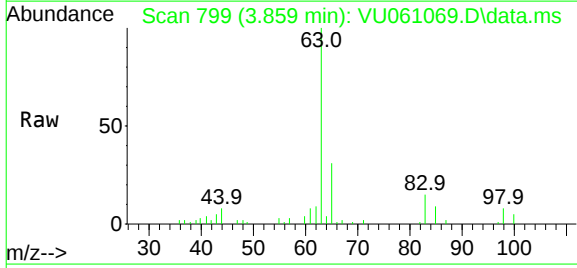




#19
1,1-Dichloroethane
Concen: 0.884 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU061069.D
Acq: 02 Oct 2024 12:25

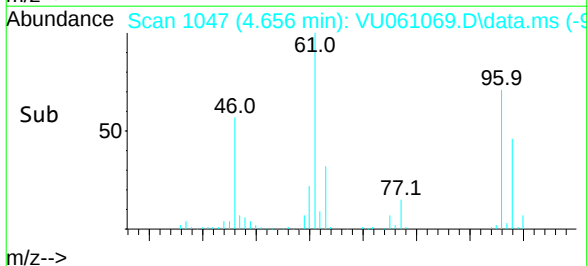
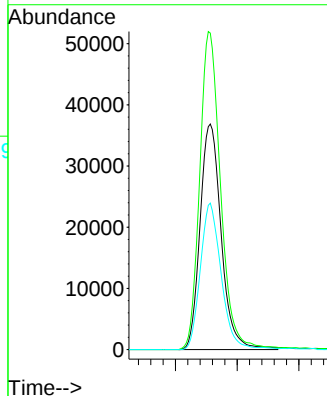
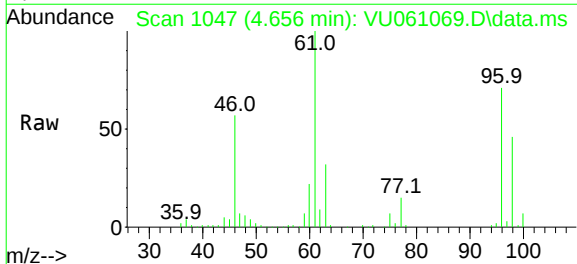
Instrument :
MSVOA_U
ClientSampleId :
PMW-8S(20240926)

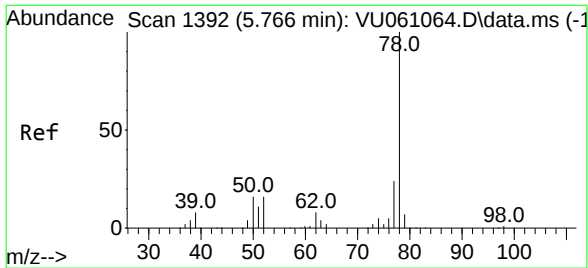
Tgt Ion:	63	Resp:	20348
Ion	Ratio	Lower	Upper
63	100		
65	30.7	23.0	42.8
83	14.7	9.0	16.6



#22
cis-1,2-Dichloroethene
Concen: 6.666 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.000 min
Lab File: VU061069.D
Acq: 02 Oct 2024 12:25

Tgt Ion:	96	Resp:	87823
Ion	Ratio	Lower	Upper
96	100		
61	140.3	89.7	166.5
98	64.9	45.1	83.9

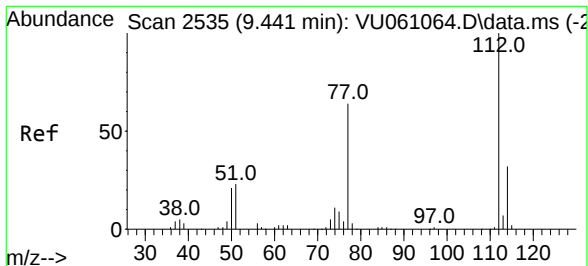
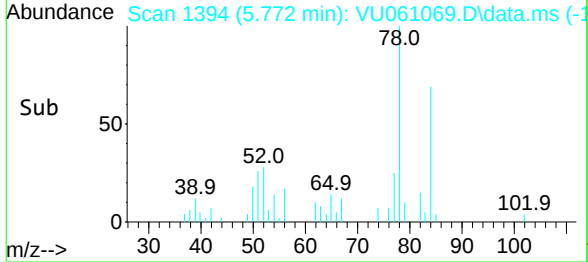
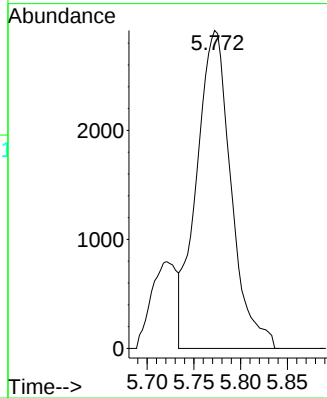
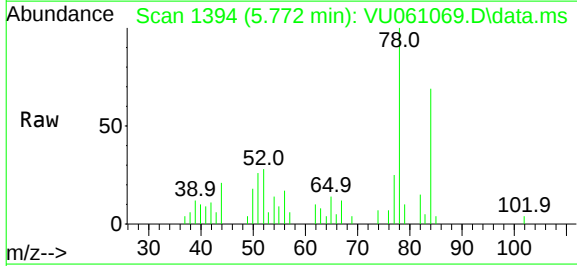




#33
Benzene
Concen: 0.145 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.006 min
Lab File: VU061069.D
Acq: 02 Oct 2024 12:25

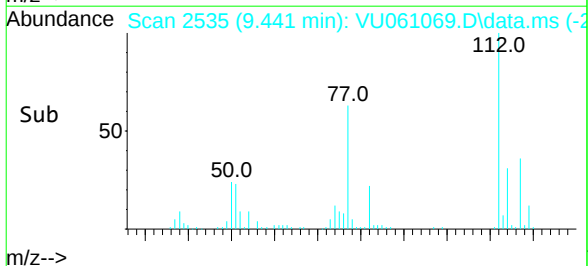
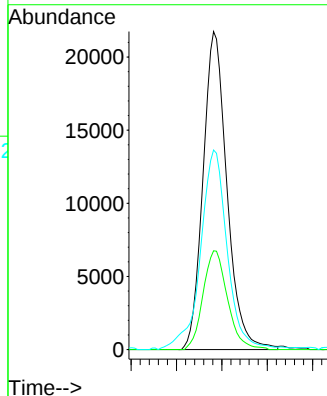
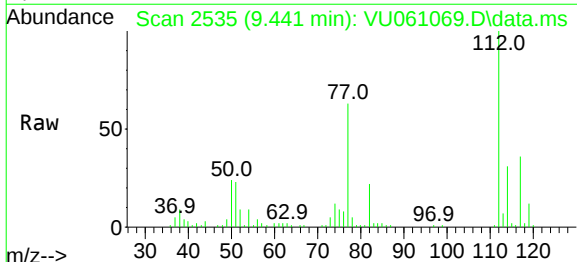
Instrument : MSVOA_U
ClientSampleId : PMW-8S(20240926)

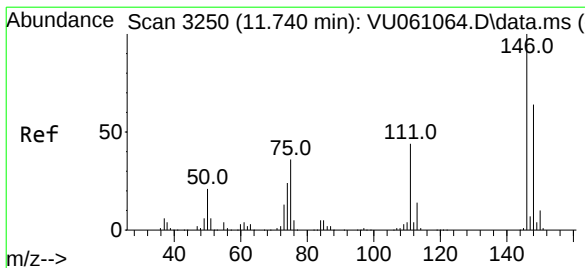
Tgt Ion: 78 Resp: 7494



#51
Chlorobenzene
Concen: 1.192 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU061069.D
Acq: 02 Oct 2024 12:25

Tgt Ion: 112 Resp: 39865
Ion Ratio Lower Upper
112 100
114 31.1 22.2 41.2
77 62.8 46.1 69.1





#64

1,3-Dichlorobenzene

Concen: 1.851 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. -0.000 min

Lab File: VU061069.D

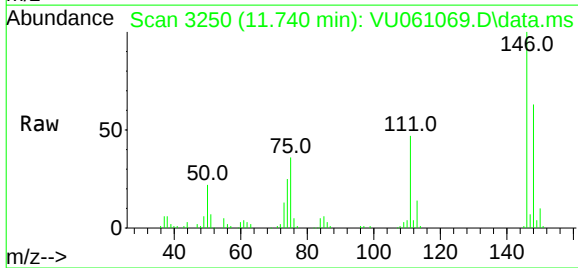
Acq: 02 Oct 2024 12:25

Instrument :

MSVOA_U

ClientSampleId :

PMW-8S(20240926)



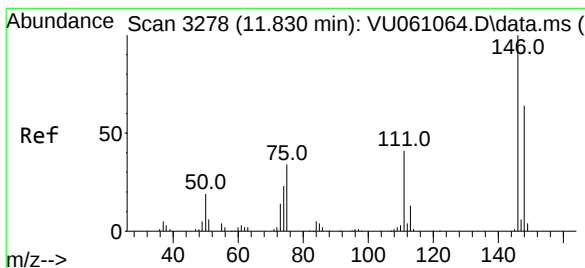
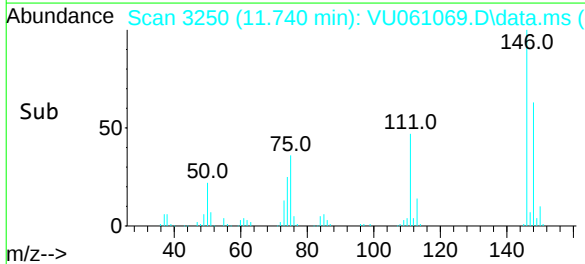
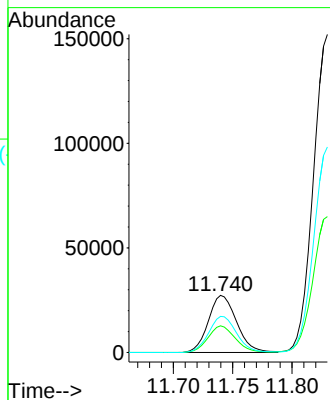
Tgt Ion:146 Resp: 45220

Ion Ratio Lower Upper

146 100

111 46.7 27.5 51.1

148 63.2 43.7 81.1



#65

1,4-Dichlorobenzene

Concen: 10.276 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU061069.D

Acq: 02 Oct 2024 12:25

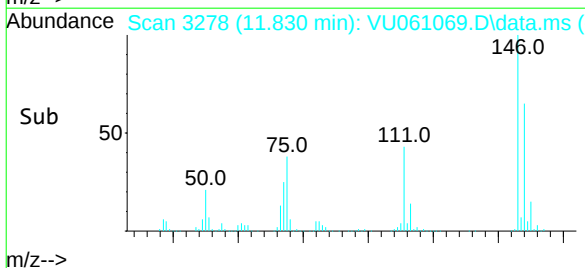
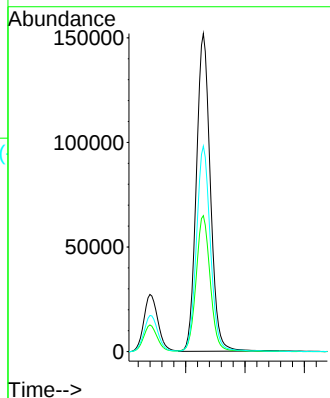
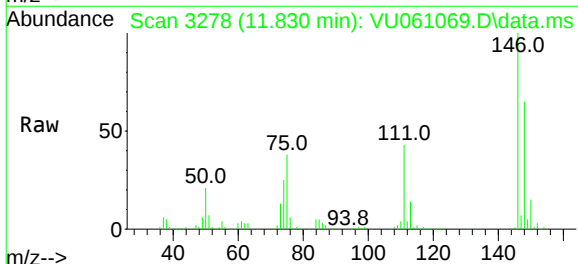
Tgt Ion:146 Resp: 248128

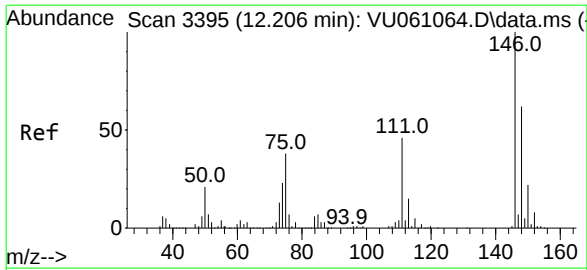
Ion Ratio Lower Upper

146 100

111 42.7 26.3 48.9

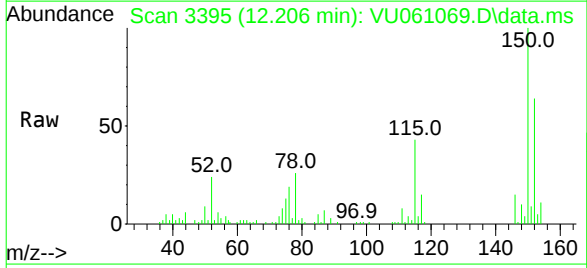
148 64.6 45.3 84.1





#67
 1,2-Dichlorobenzene
 Concen: 0.185 ug/L
 RT: 12.206 min Scan# 33
 Delta R.T. -0.000 min
 Lab File: VU061069.D
 Acq: 02 Oct 2024 12:25

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-8S(20240926)



Tgt Ion:	146	Resp:	4169
Ion	Ratio	Lower	Upper
146	100		
111	54.8	33.4	50.0#
148	64.8	50.9	76.3

