

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100224\
 Data File : VU061075.D
 Acq On : 02 Oct 2024 14:47
 Operator : MD/SY
 Sample : P4227-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Oct 03 06:30:22 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	166885	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	154921	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	74645	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	51880	4.348	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.000%
7) Chloroethane-d5	1.911	69	41590	4.657	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.564	65	23024	4.374	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.400%
20) 2-Butanone-d5	4.625	46	146429	51.235	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.460%
24) Chloroform-d	5.055	84	98101	4.665	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	5.692	65	54712	4.909	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
32) Benzene-d6	5.718	84	198113	4.850	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	6.682	67	67594	5.039	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.800%
41) Toluene-d8	7.891	98	181382	4.751	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
43) trans-1,3-Dichloroprop...	8.174	79	26965	4.701	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.000%
46) 2-Hexanone-d5	8.628	63	122614	51.646	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.300%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	49572	5.039	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	60284	5.051	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.000%

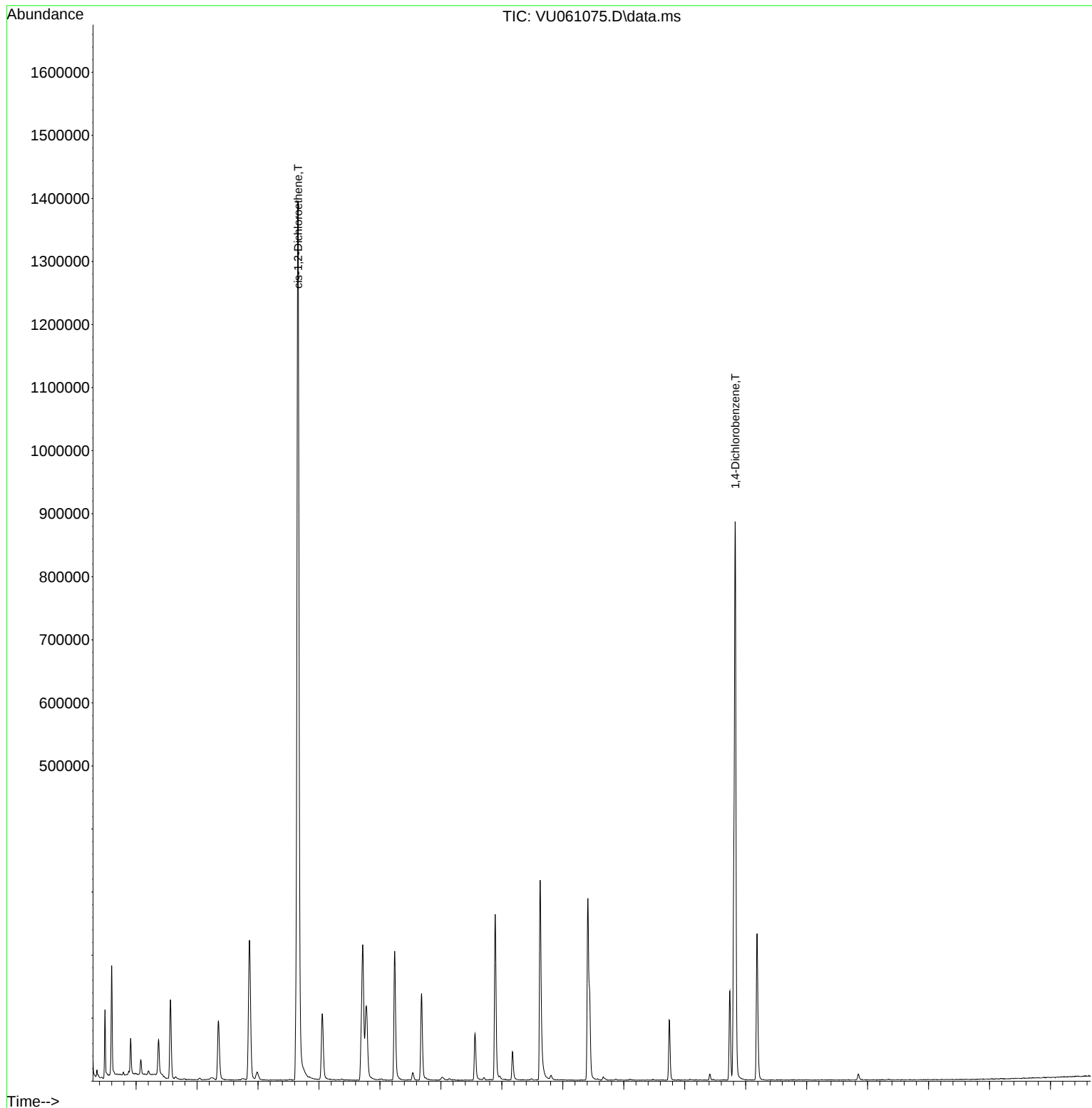
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	73374	6.222	ug/L	98
12) 1,1-Dichloroethene	2.576	96	6311	0.655	ug/L #	1
17) Methyl tert-butyl Ether	3.358	73	26214	0.951	ug/L #	96
18) trans-1,2-Dichloroethene	3.348	96	31312	2.964	ug/L	94
19) 1,1-Dichloroethane	3.859	63	264079	12.846	ug/L	98
22) cis-1,2-Dichloroethene	4.657	96	722607	61.418	ug/L	94
27) 1,2-Dichloroethane	5.788	62	60025	4.425	ug/L	95
33) Benzene	5.766	78	85196	1.866	ug/L	100
34) Trichloroethene	6.541	95	4216	0.341	ug/L	89
51) Chlorobenzene	9.441	112	65745	2.218	ug/L	93
64) 1,3-Dichlorobenzene	11.740	146	55421	2.590	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	331257	15.660	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	5948	0.301	ug/L	90
70) 1,2,4-trichlorobenzene	13.846	180	4012	0.347	ug/L	90

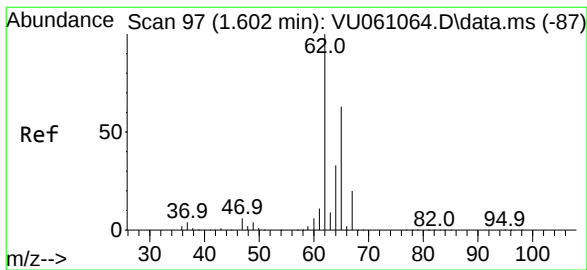
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 6.222 ug/L

RT: 1.602 min Scan# 97

Delta R.T. 0.000 min

Lab File: VU061075.D

Acq: 02 Oct 2024 14:47

Instrument :

MSVOA_U

ClientSampleId :

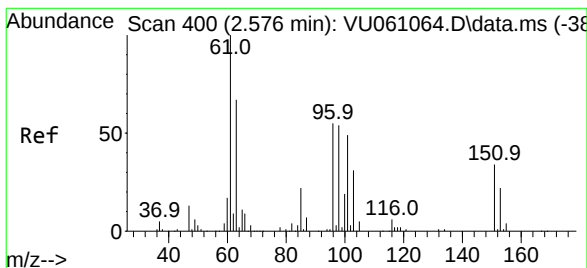
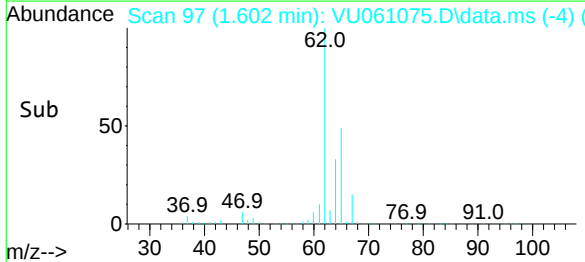
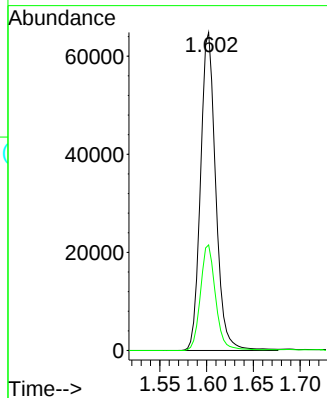
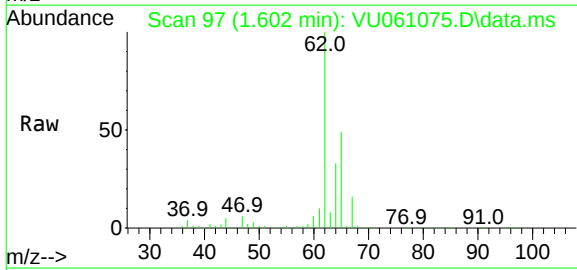
PMW-8D(20240926)

Tgt Ion: 62 Resp: 73374

Ion Ratio Lower Upper

62 100

64 33.2 24.0 44.6



#12

1,1-Dichloroethene

Concen: 0.655 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU061075.D

Acq: 02 Oct 2024 14:47

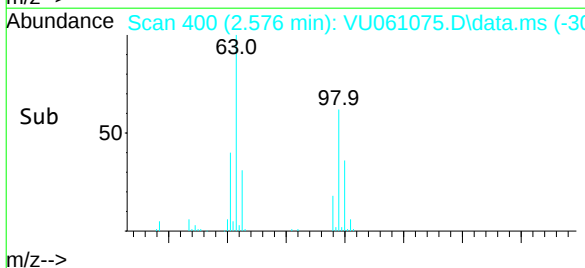
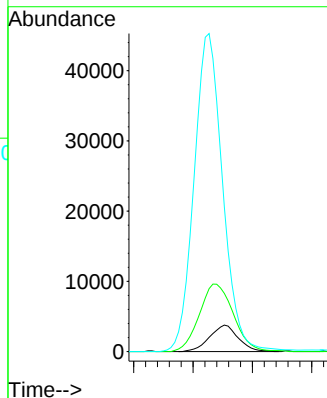
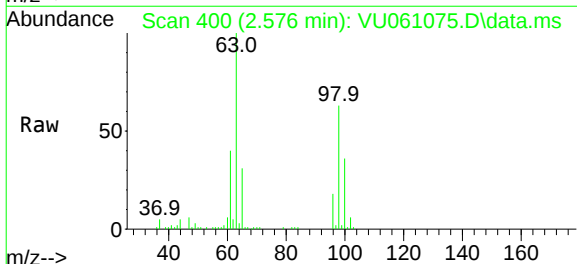
Tgt Ion: 96 Resp: 6311

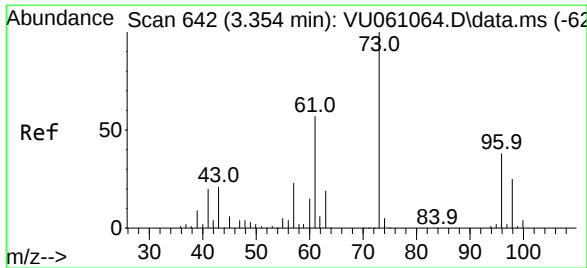
Ion Ratio Lower Upper

96 100

61 219.6 120.7 224.1

63 546.3 90.0 167.2#

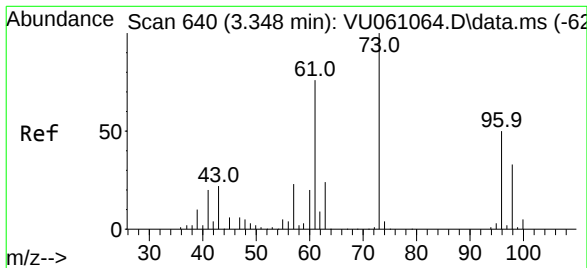
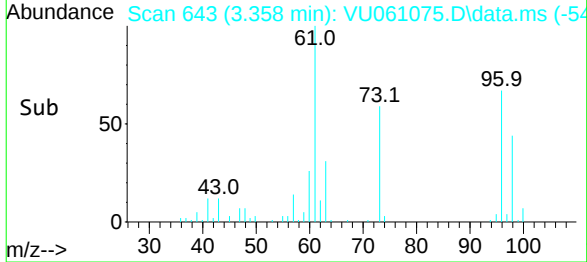
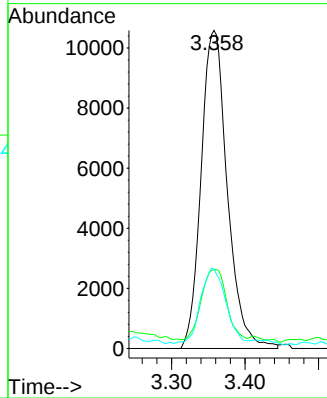
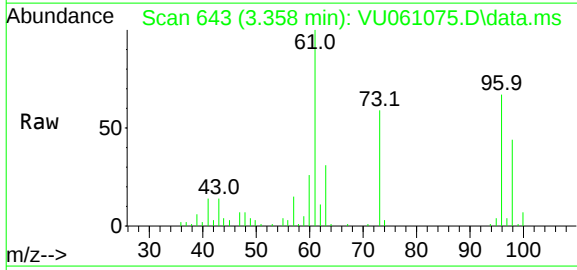




#17
Methyl tert-butyl Ether
Concen: 0.951 ug/L
RT: 3.358 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU061075.D
Acq: 02 Oct 2024 14:47

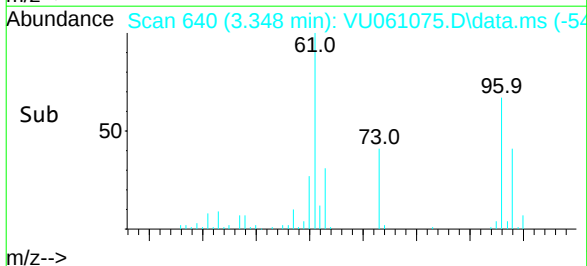
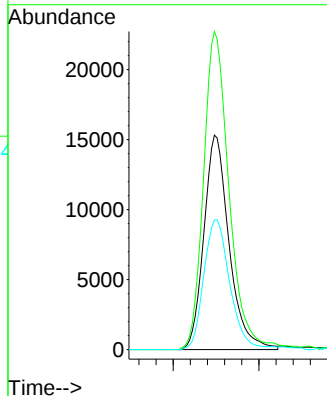
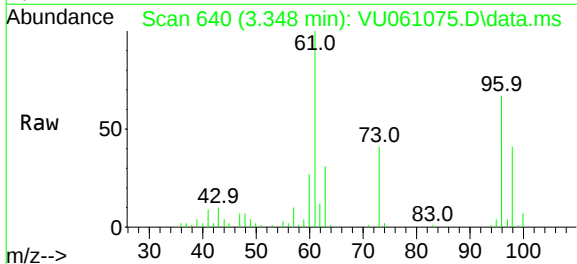
Instrument :
MSVOA_U
ClientSampleId :
PMW-8D(20240926)

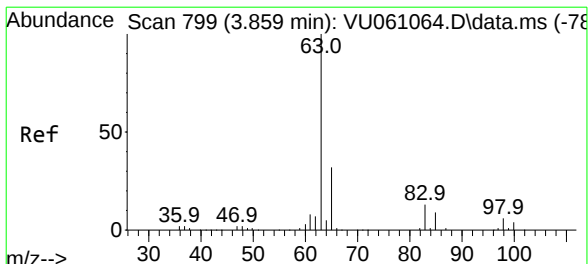
Tgt Ion:	73	Resp:	26214
Ion	Ratio	Lower	Upper
73	100		
43	21.0	13.8	20.8#
57	22.5	18.0	27.0



#18
trans-1,2-Dichloroethene
Concen: 2.964 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU061075.D
Acq: 02 Oct 2024 14:47

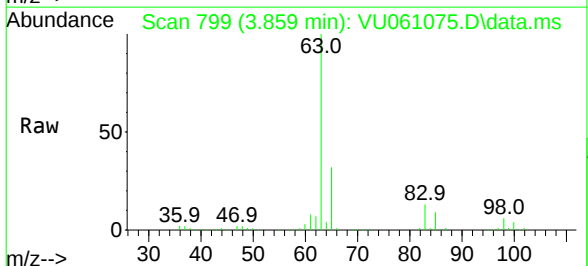
Tgt Ion:	96	Resp:	31312
Ion	Ratio	Lower	Upper
96	100		
61	148.3	97.2	180.6
98	60.4	43.3	80.5





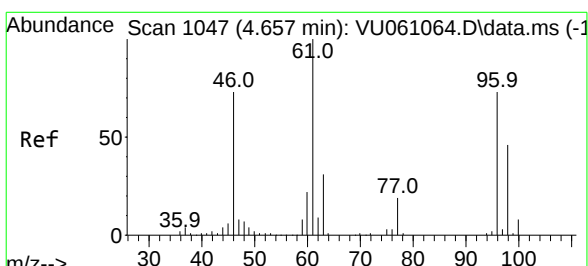
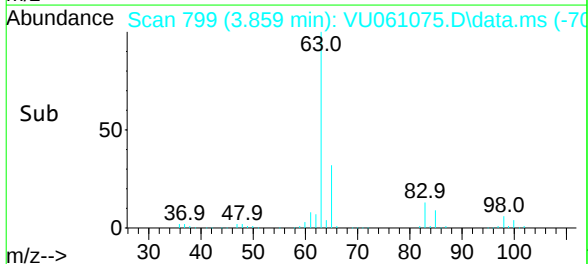
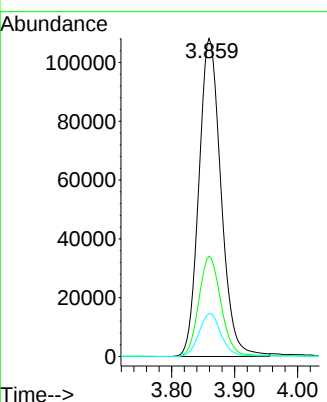
#19
 1,1-Dichloroethane
 Concen: 12.846 ug/L
 RT: 3.859 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VU061075.D
 Acq: 02 Oct 2024 14:47

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



Tgt Ion: 63 Resp: 264079

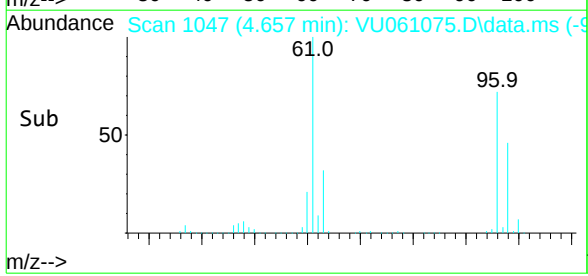
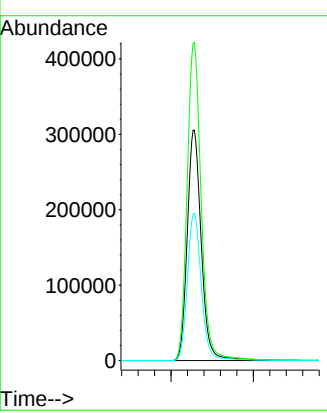
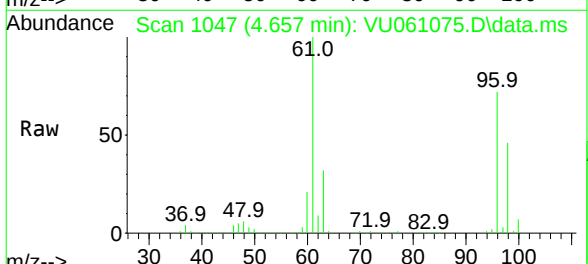
Ion	Ratio	Lower	Upper
63	100		
65	31.5	23.0	42.8
83	13.5	9.0	16.6

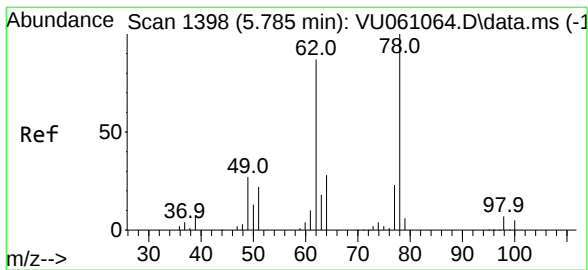


#22
 cis-1,2-Dichloroethene
 Concen: 61.418 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: VU061075.D
 Acq: 02 Oct 2024 14:47

Tgt Ion: 96 Resp: 722607

Ion	Ratio	Lower	Upper
96	100		
61	138.0	89.7	166.5
98	64.0	45.1	83.9

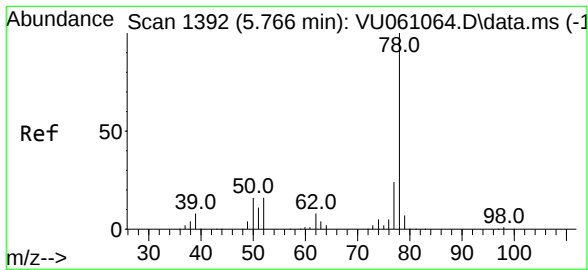
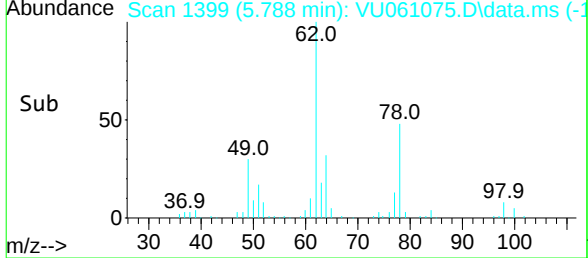
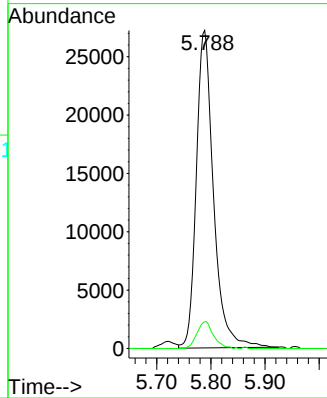
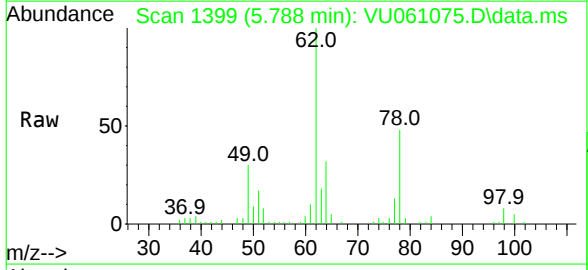




#27
1,2-Dichloroethane
Concen: 4.425 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. 0.003 min
Lab File: VU061075.D
Acq: 02 Oct 2024 14:47

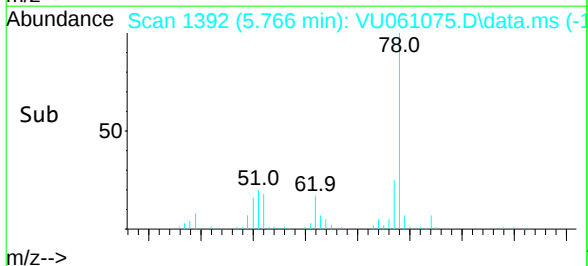
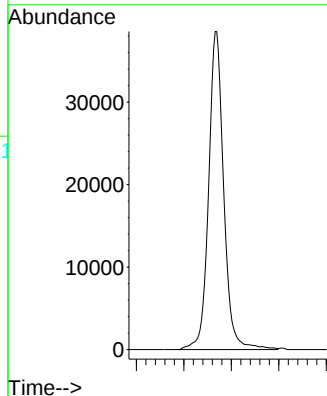
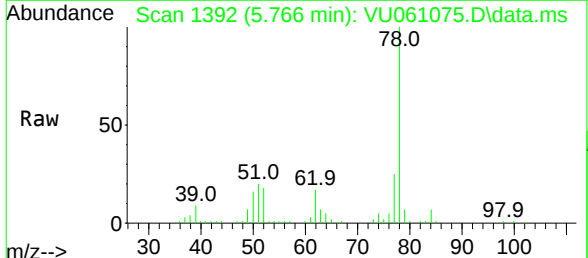
Instrument :
MSVOA_U
ClientSampleId :
PMW-8D(20240926)

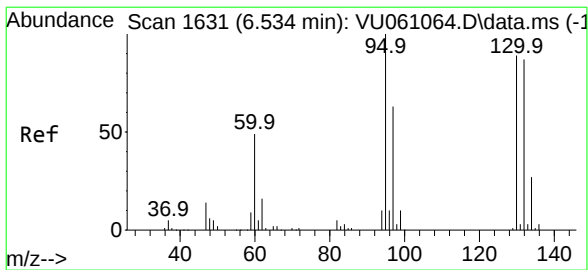
Tgt Ion: 62 Resp: 60025
Ion Ratio Lower Upper
62 100
98 8.4 8.2 12.4



#33
Benzene
Concen: 1.866 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU061075.D
Acq: 02 Oct 2024 14:47

Tgt Ion: 78 Resp: 85196





#34

Trichloroethene

Concen: 0.341 ug/L

RT: 6.541 min Scan# 16

Delta R.T. 0.006 min

Lab File: VU061075.D

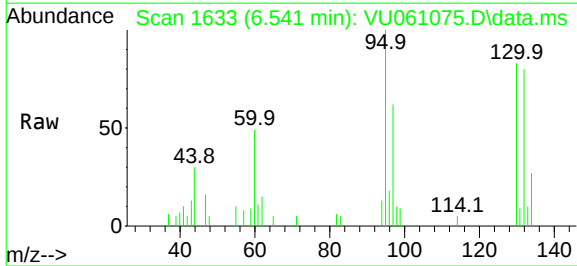
Acq: 02 Oct 2024 14:47

Instrument :

MSVOA_U

ClientSampleId :

PMW-8D(20240926)



Tgt Ion: 95 Resp: 4216

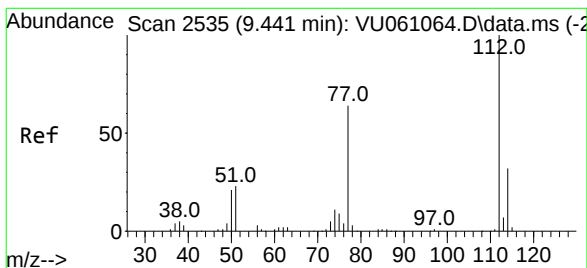
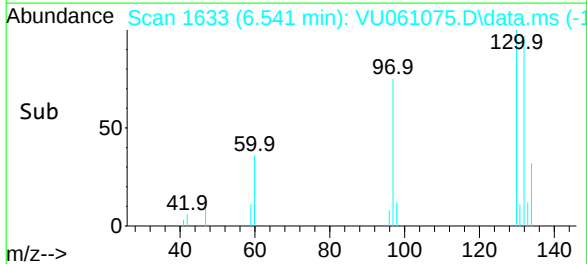
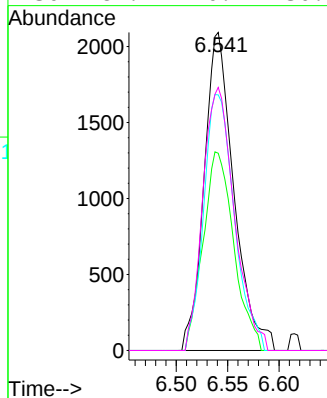
Ion Ratio Lower Upper

95 100

97 62.0 44.9 83.5

132 80.4 63.5 117.9

130 82.7 70.2 130.4



#51

Chlorobenzene

Concen: 2.218 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU061075.D

Acq: 02 Oct 2024 14:47

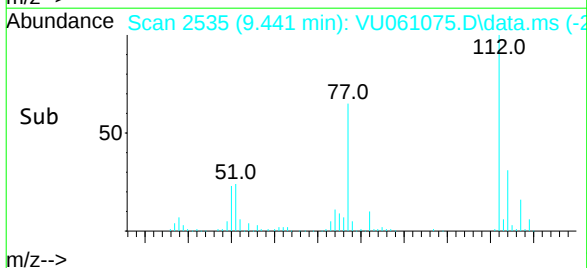
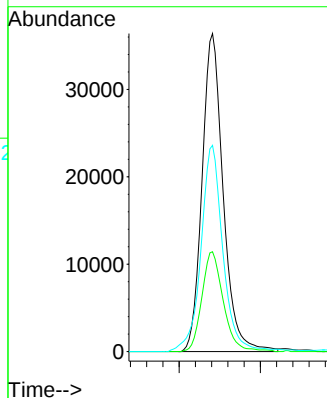
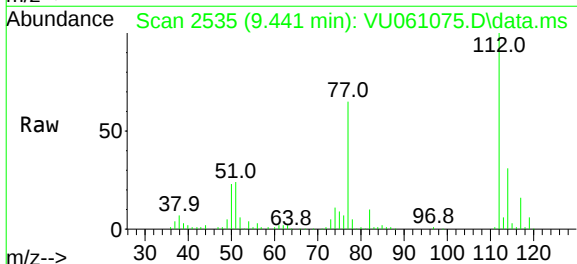
Tgt Ion: 112 Resp: 65745

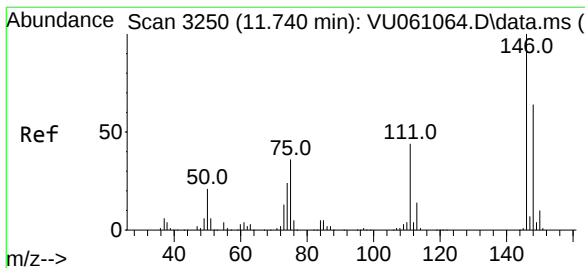
Ion Ratio Lower Upper

112 100

114 31.4 22.2 41.2

77 64.9 46.1 69.1





#64

1,3-Dichlorobenzene

Concen: 2.590 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU061075.D

Acq: 02 Oct 2024 14:47

Instrument :

MSVOA_U

ClientSampleId :

PMW-8D(20240926)

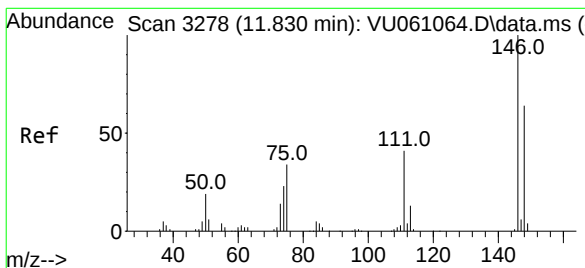
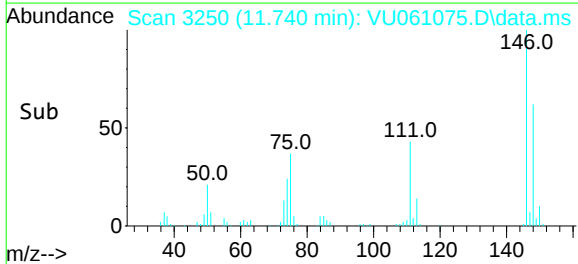
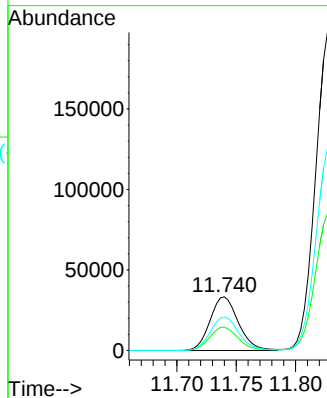
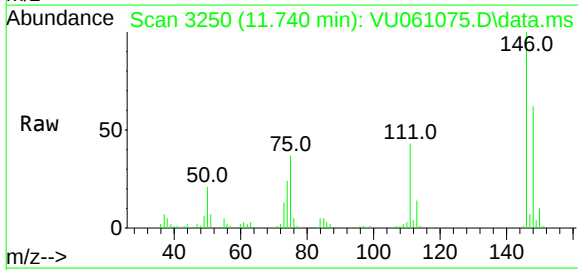
Tgt Ion:146 Resp: 55421

Ion Ratio Lower Upper

146 100

111 43.3 27.5 51.1

148 62.4 43.7 81.1



#65

1,4-Dichlorobenzene

Concen: 15.660 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU061075.D

Acq: 02 Oct 2024 14:47

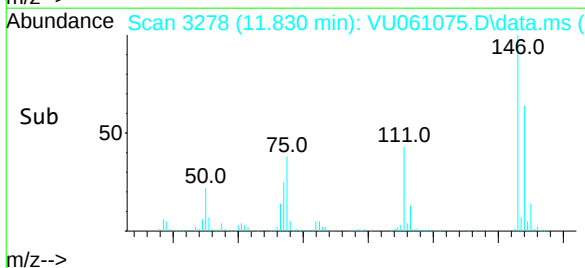
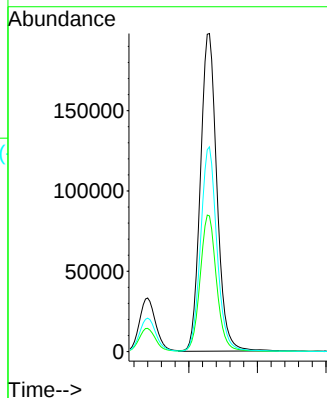
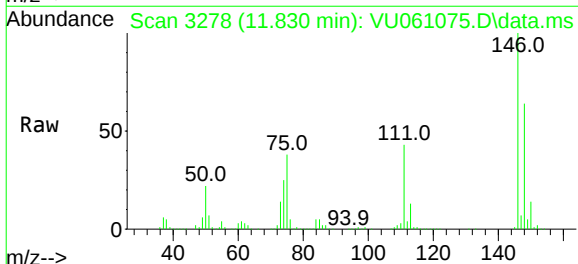
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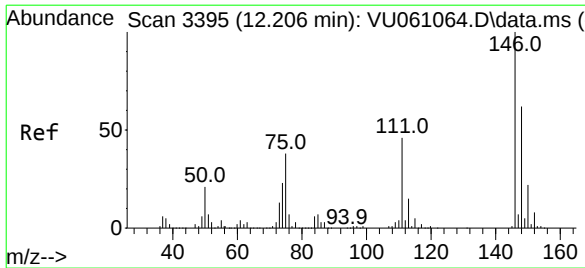
Ion Ratio Lower Upper

146 100

111 42.7 26.3 48.9

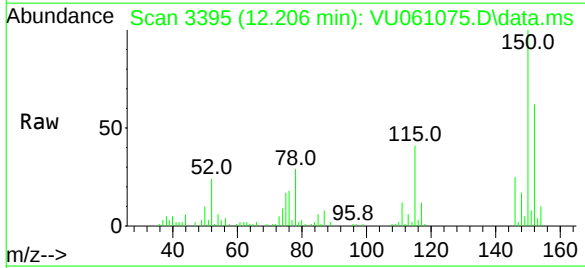
148 64.4 45.3 84.1



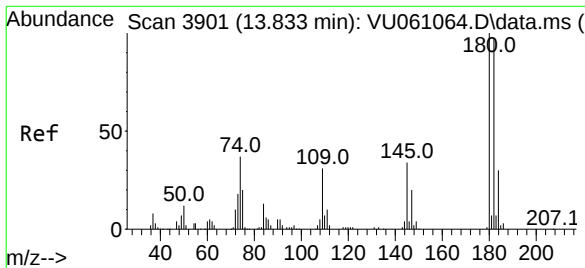
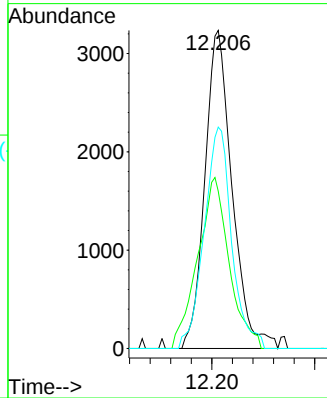
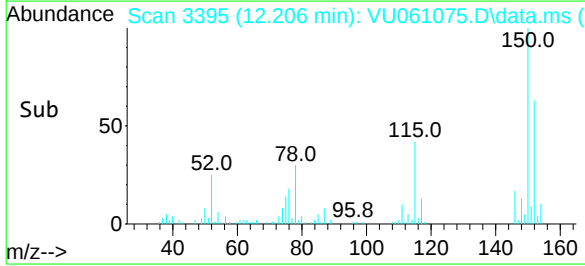


1,2-Dichlorobenzene
Concen: 0.301 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU061075.D
Acq: 02 Oct 2024 14:47

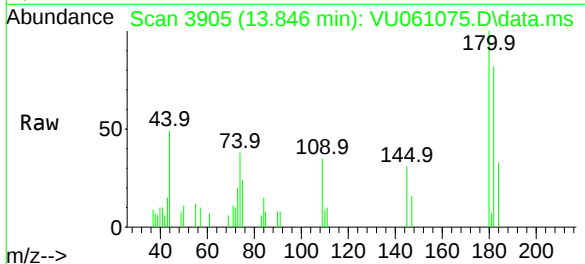
Instrument :
MSVOA_U
ClientSampleId :
PMW-8D(20240926)



Tgt Ion:	146	Resp:	5948
Ion	Ratio	Lower	Upper
146	100		
111	49.5	33.4	50.0
148	69.6	50.9	76.3



1,2,4-trichlorobenzene
Concen: 0.347 ug/L
RT: 13.846 min Scan# 3905
Delta R.T. 0.013 min
Lab File: VU061075.D
Acq: 02 Oct 2024 14:47



Tgt Ion:	180	Resp:	4012
Ion	Ratio	Lower	Upper
180	100		
182	85.6	77.4	116.2
145	26.6	22.9	34.3

