

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100223\
 Data File : VU055610.D
 Acq On : 02 Oct 2023 17:27
 Operator : MD/SY
 Sample : 04679-14 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-8S(20230928)

Quant Time: Oct 03 04:58:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 27 23:33:30 2023
 Response via : Initial Calibration

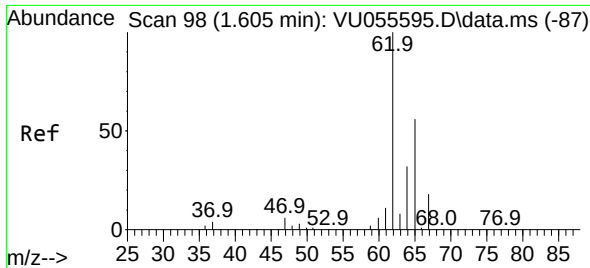
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	151450	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	154528	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	80773	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	61771	4.035	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.800%
7) Chloroethane-d5	1.914	69	68453	5.075	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.400%
11) 1,1-Dichloroethene-d2	2.567	65	22648	3.595	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.800%
20) 2-Butanone-d5	4.631	46	148423	53.683	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.360%
24) Chloroform-d	5.058	84	128412	4.638	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	5.701	65	66832	5.018	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
32) Benzene-d6	5.724	84	238662	4.416	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	6.689	67	78450	4.858	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.898	98	195895	3.976	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.600%
43) trans-1,3-Dichloroprop...	8.180	79	25752	4.544	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.800%
46) 2-Hexanone-d5	8.634	63	86260	50.039	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.080%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	60924	5.034	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	72381	4.440	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.800%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	11022	0.788	ug/L	84
12) 1,1-Dichloroethene	2.573	96	1969	0.186	ug/L	# 1
16) Methylene chloride	3.046	84	11594	0.914	ug/L	89
18) trans-1,2-Dichloroethene	3.348	96	7013	0.657	ug/L	94
19) 1,1-Dichloroethane	3.866	63	35234	1.785	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	155332	12.553	ug/L	98
27) 1,2-Dichloroethane	5.798	62	3610	0.282	ug/L	100
33) Benzene	5.775	78	12137	0.273	ug/L	100
51) Chlorobenzene	9.447	112	71312	2.347	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	75920	3.406	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	454239	20.392	ug/L	99
67) 1,2-Dichlorobenzene	12.212	146	7410	0.363	ug/L	96
70) 1,2,4-trichlorobenzene	13.839	180	26714	2.283	ug/L	95

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

Quant Time: Oct 03 04:58:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
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QLast Update : Wed Sep 27 23:33:30 2023
Response via : Initial Calibration

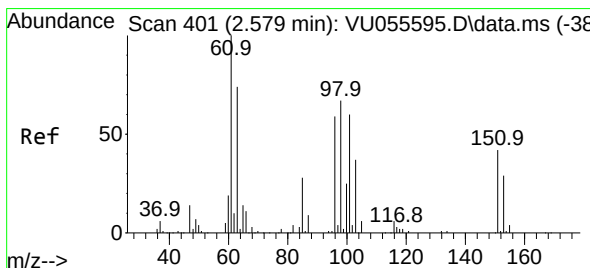
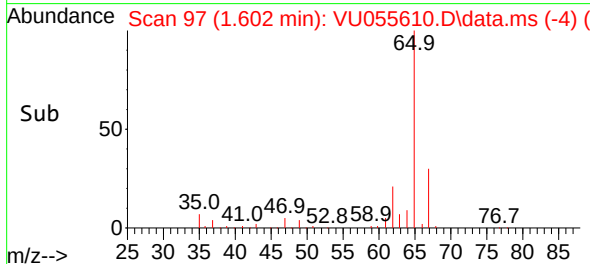
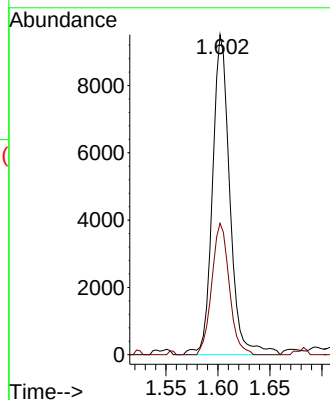
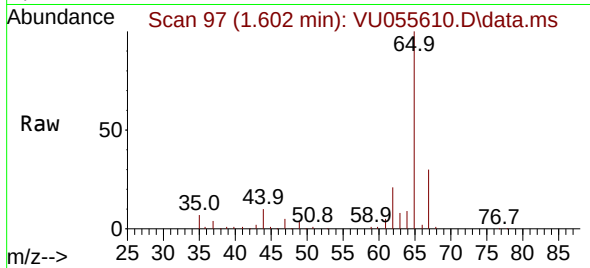




#5
 Vinyl chloride
 Concen: 0.788 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055610.D
 Acq: 02 Oct 2023 17:27

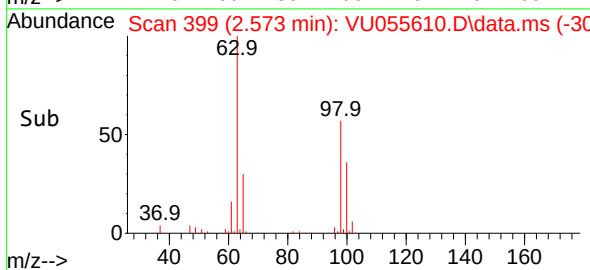
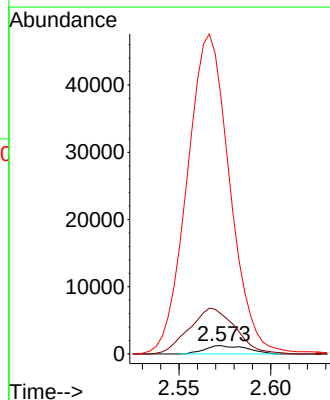
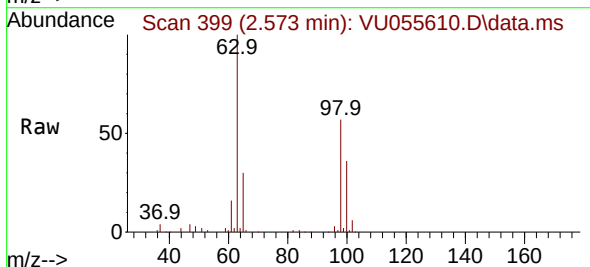
Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-8S(20230928)

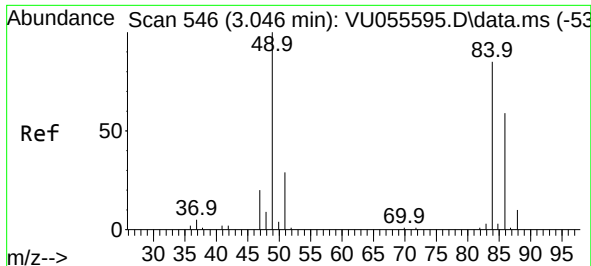
Tgt Ion: 62 Resp: 11022
 Ion Ratio Lower Upper
 62 100
 64 41.1 22.3 41.5



#12
 1,1-Dichloroethene
 Concen: 0.186 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.004 min
 Lab File: VU055610.D
 Acq: 02 Oct 2023 17:27

Tgt Ion: 96 Resp: 1969
 Ion Ratio Lower Upper
 96 100
 61 484.4 114.5 212.7#
 63 3093.8 98.3 182.5#

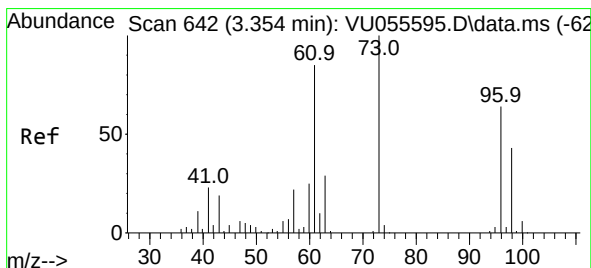
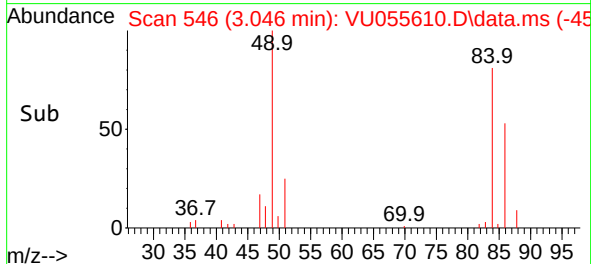
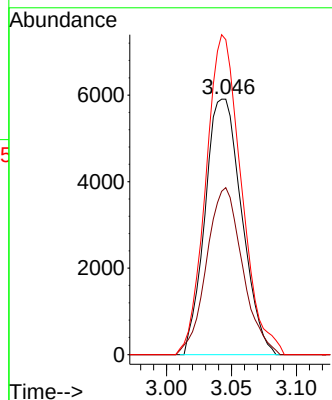
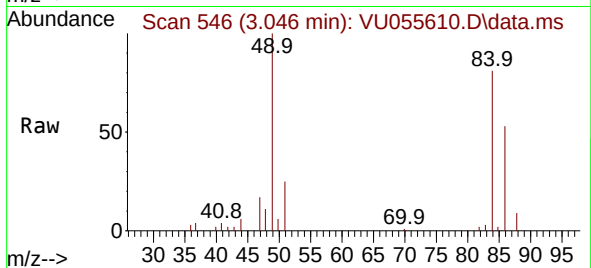




#16
Methylene chloride
Concen: 0.914 ug/L
RT: 3.046 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU055610.D
Acq: 02 Oct 2023 17:27

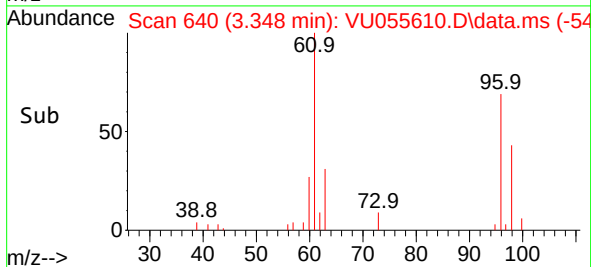
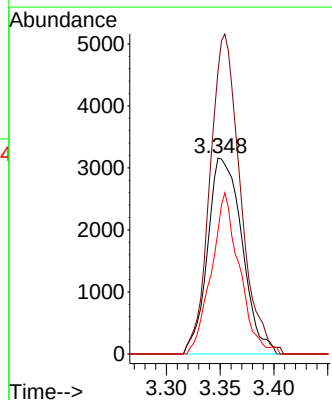
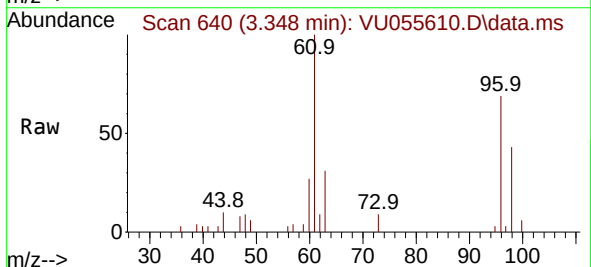
Instrument :
MSVOA_U
ClientSampleId :
PMW-8S(20230928)

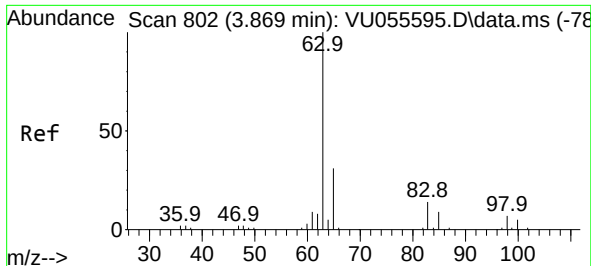
Tgt Ion: 84 Resp: 11594
Ion Ratio Lower Upper
84 100
86 65.3 44.9 83.3
49 130.5 78.8 146.3



#18
trans-1,2-Dichloroethene
Concen: 0.657 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.004 min
Lab File: VU055610.D
Acq: 02 Oct 2023 17:27

Tgt Ion: 96 Resp: 7013
Ion Ratio Lower Upper
96 100
61 144.2 94.6 175.6
98 62.6 45.7 84.9





#19

1,1-Dichloroethane

Concen: 1.785 ug/L

RT: 3.866 min Scan# 80

Delta R.T. -0.000 min

Lab File: VU055610.D

Acq: 02 Oct 2023 17:27

Instrument :

MSVOA_U

ClientSampleId :

PMW-8S(20230928)

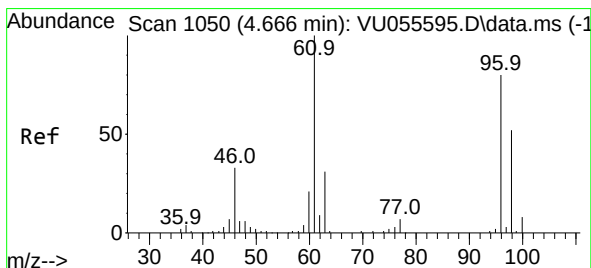
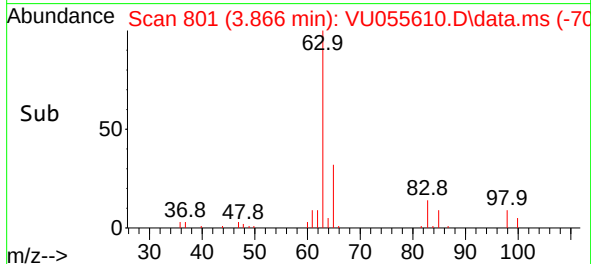
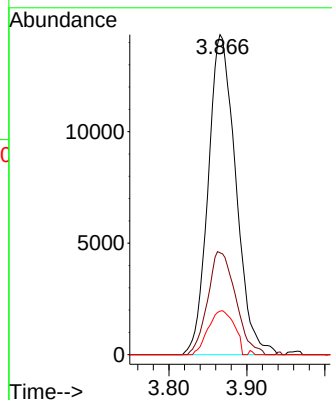
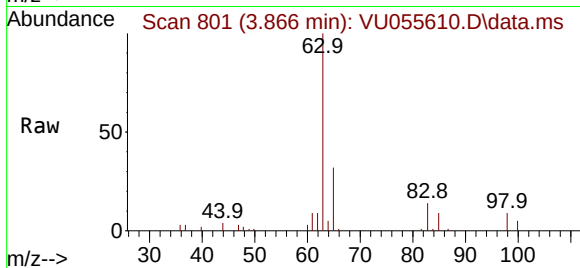
Tgt Ion: 63 Resp: 35234

Ion Ratio Lower Upper

63 100

65 31.9 22.0 41.0

83 13.6 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 12.553 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU055610.D

Acq: 02 Oct 2023 17:27

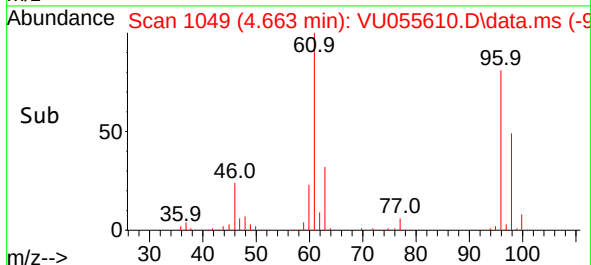
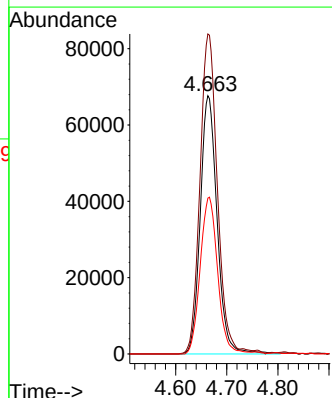
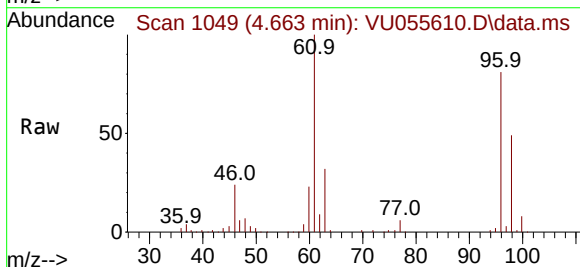
Tgt Ion: 96 Resp: 155332

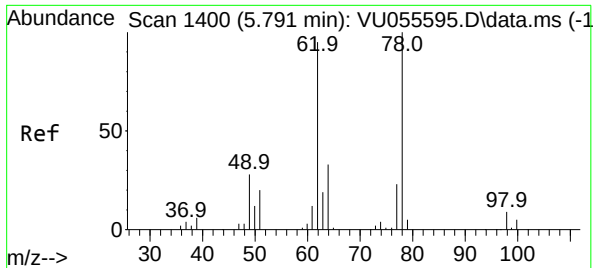
Ion Ratio Lower Upper

96 100

61 123.9 87.8 163.2

98 60.3 44.4 82.4

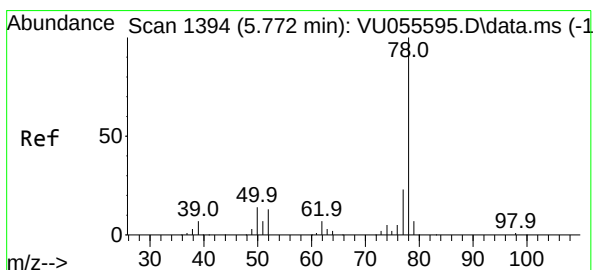
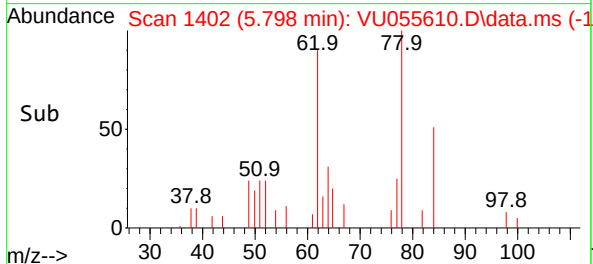
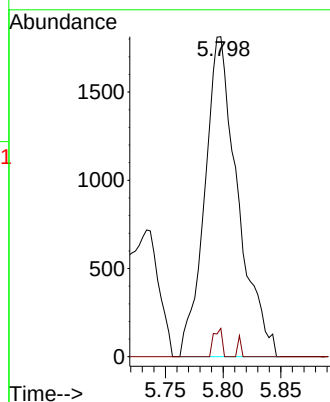
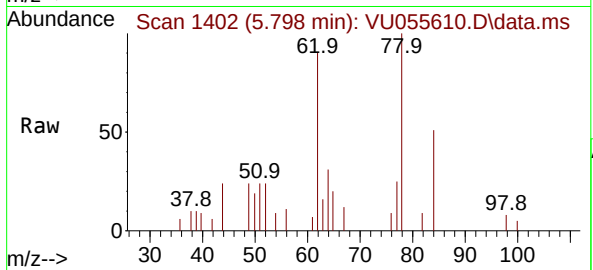




#27
1,2-Dichloroethane
Concen: 0.282 ug/L
RT: 5.798 min Scan# 1400
Delta R.T. 0.006 min
Lab File: VU055610.D
Acq: 02 Oct 2023 17:27

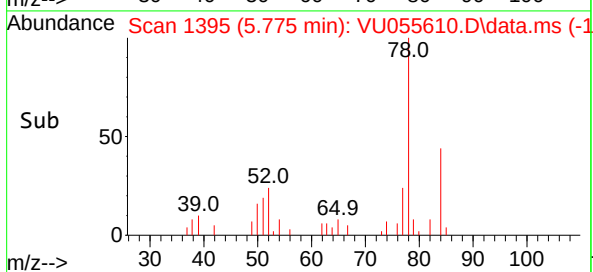
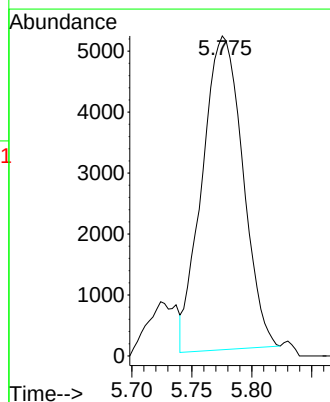
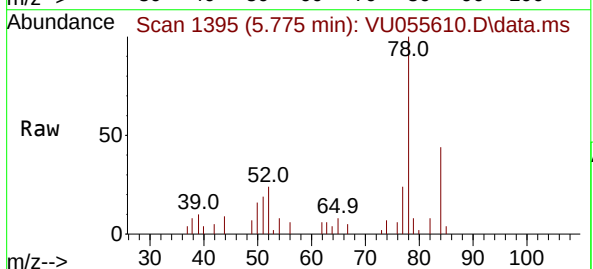
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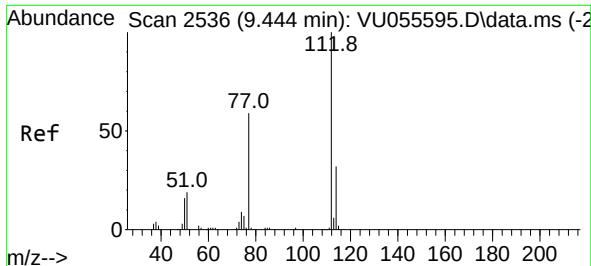
Tgt Ion: 62 Resp: 3610
Ion Ratio Lower Upper
62 100
98 8.9 7.0 10.4



#33
Benzene
Concen: 0.273 ug/L
RT: 5.775 min Scan# 1395
Delta R.T. 0.003 min
Lab File: VU055610.D
Acq: 02 Oct 2023 17:27

Tgt Ion: 78 Resp: 12137

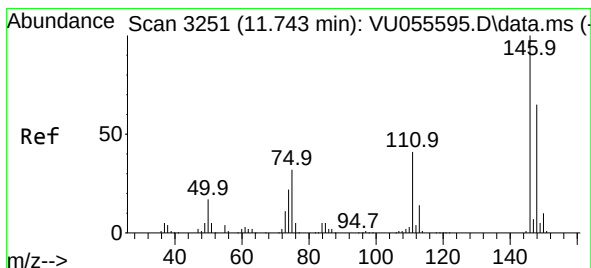
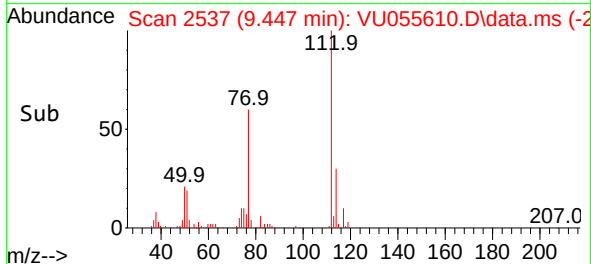
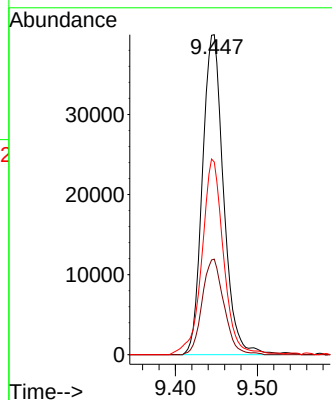
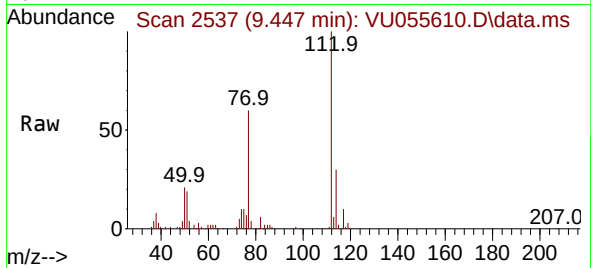




#51
Chlorobenzene
Concen: 2.347 ug/L
RT: 9.447 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU055610.D
Acq: 02 Oct 2023 17:27

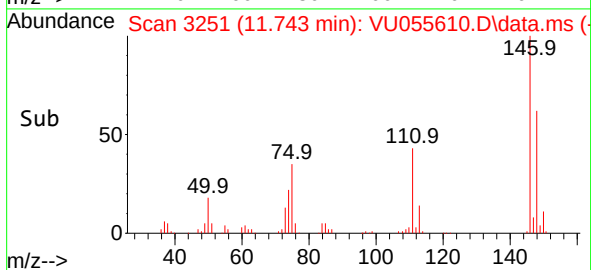
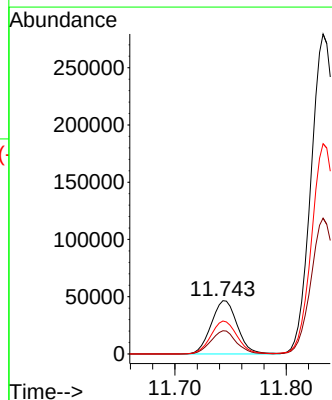
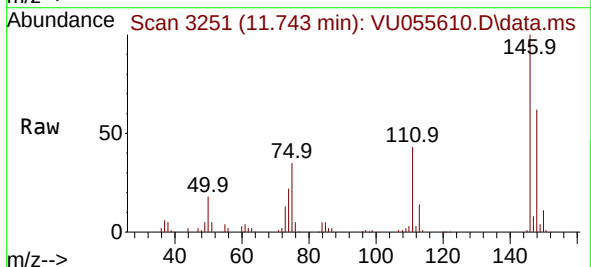
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ClientSampleId :
PMW-8S(20230928)

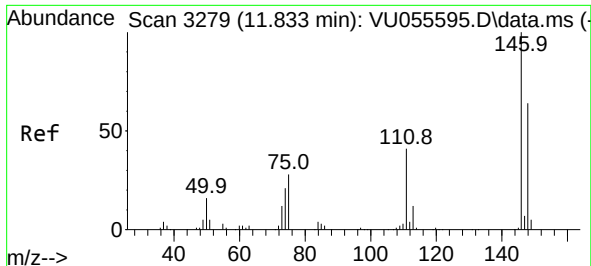
Tgt Ion:112 Resp: 71312
Ion Ratio Lower Upper
112 100
114 29.9 22.0 40.8
77 60.2 46.9 70.3



#64
1,3-Dichlorobenzene
Concen: 3.406 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. -0.000 min
Lab File: VU055610.D
Acq: 02 Oct 2023 17:27

Tgt Ion:146 Resp: 75920
Ion Ratio Lower Upper
146 100
111 43.5 28.8 53.6
148 61.8 44.6 82.8





#65

1,4-Dichlorobenzene

Concen: 20.392 ug/L

RT: 11.833 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU055610.D

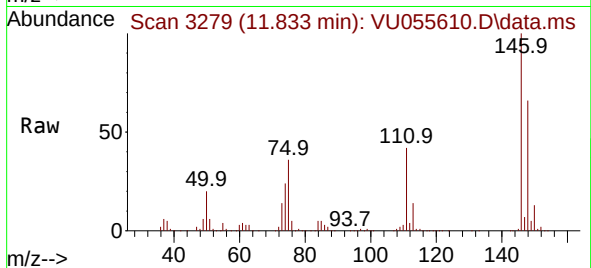
Acq: 02 Oct 2023 17:27

Instrument :

MSVOA_U

ClientSampleId :

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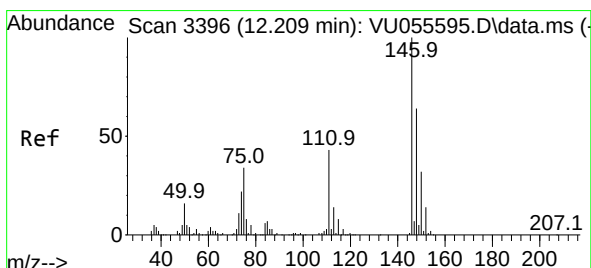
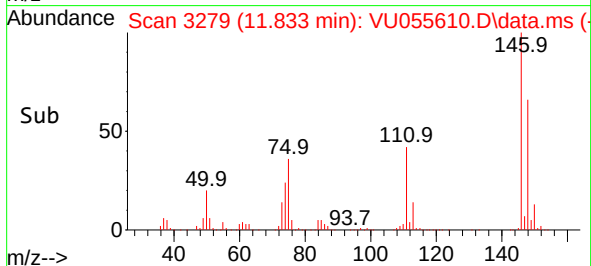
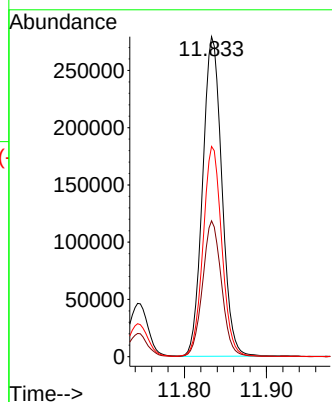
Tgt Ion:146 Resp: 454239

Ion Ratio Lower Upper

146 100

111 42.5 29.0 53.8

148 65.7 45.4 84.4



#67

1,2-Dichlorobenzene

Concen: 0.363 ug/L

RT: 12.212 min Scan# 3397

Delta R.T. 0.003 min

Lab File: VU055610.D

Acq: 02 Oct 2023 17:27

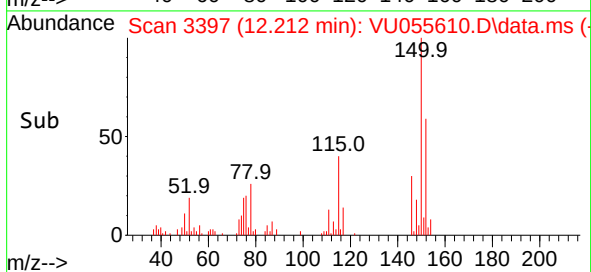
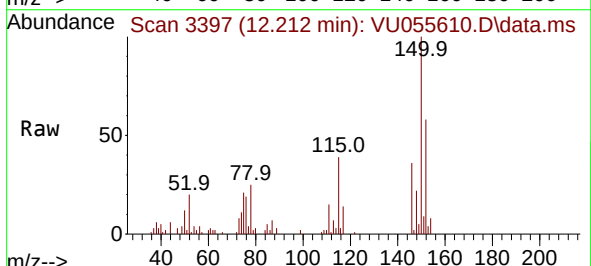
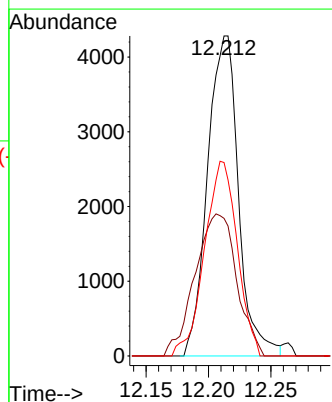
Tgt Ion:146 Resp: 7410

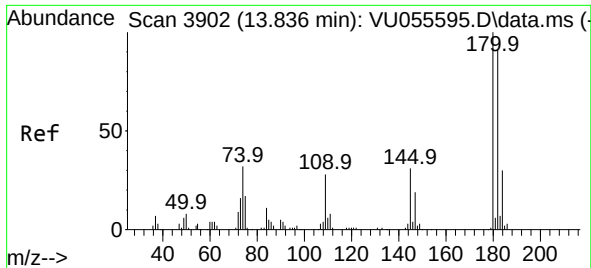
Ion Ratio Lower Upper

146 100

111 43.0 34.6 52.0

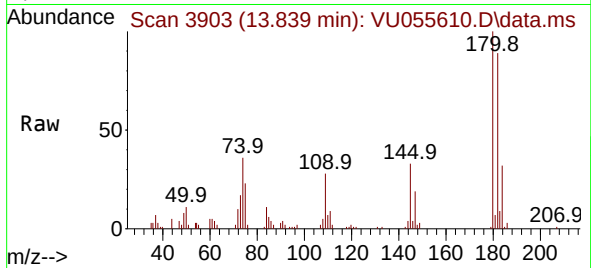
148 60.4 51.8 77.8





#70
 1,2,4-trichlorobenzene
 Concen: 2.283 ug/L
 RT: 13.839 min Scan# 3903
 Delta R.T. 0.003 min
 Lab File: VU055610.D
 Acq: 02 Oct 2023 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-8S(20230928)



Tgt Ion:180 Resp: 26714
 Ion Ratio Lower Upper
 180 100
 182 90.1 76.4 114.6
 145 33.0 25.4 38.0

