

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100323\
 Data File : VU055647.D
 Acq On : 03 Oct 2023 18:10
 Operator : MD/SY
 Sample : 04679-09DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-3(2030927)DL

Quant Time: Oct 04 04:45:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 04 04:40:48 2023
 Response via : Initial Calibration

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

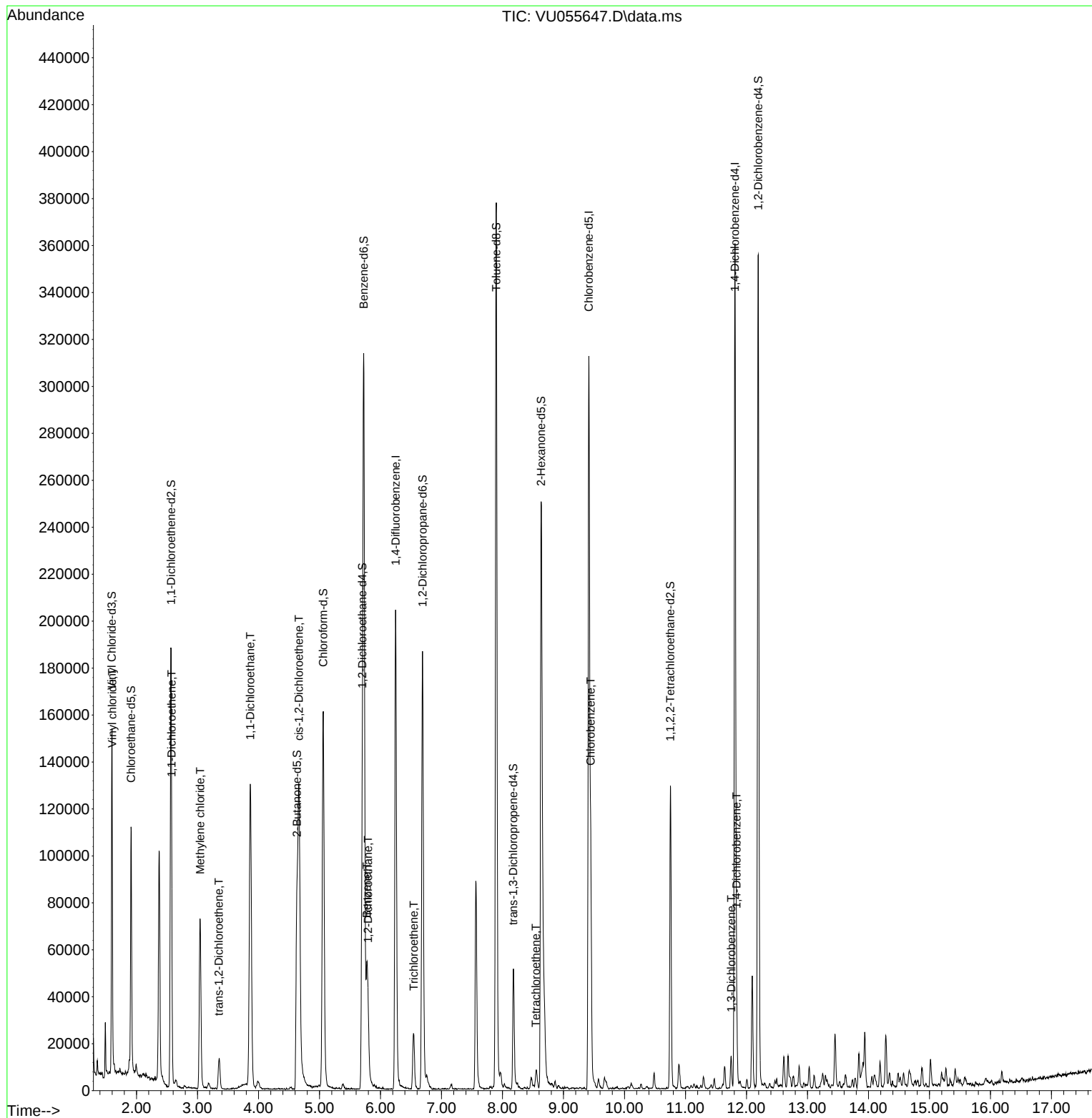
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	167571	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	172988	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	94444	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	91850	5.423	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.400%
7) Chloroethane-d5	1.911	69	72949	4.888	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.800%
11) 1,1-Dichloroethene-d2	2.567	65	35714	5.123	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.400%
20) 2-Butanone-d5	4.631	46	139870	45.723	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.440%
24) Chloroform-d	5.062	84	150523	4.914	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
26) 1,2-Dichloroethane-d4	5.701	65	73050	4.957	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	5.724	84	301919	4.990	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
36) 1,2-Dichloropropane-d6	6.689	67	92199	5.100	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.000%
41) Toluene-d8	7.898	98	259603	4.707	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
43) trans-1,3-Dichloroprop...	8.177	79	31432	4.954	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.000%
46) 2-Hexanone-d5	8.631	63	81318	42.138	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.280%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	64095	4.731	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.600%
66) 1,2-Dichlorobenzene-d4	12.193	152	89750	4.708	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	11618	0.750	ug/L	83
12) 1,1-Dichloroethene	2.576	96	2323	0.198	ug/L #	1
16) Methylene chloride	3.042	84	36538	2.603	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	5459	0.462	ug/L	91
19) 1,1-Dichloroethane	3.866	63	149467	6.844	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	55109	4.025	ug/L	96
27) 1,2-Dichloroethane	5.795	62	23428	1.652	ug/L	95
33) Benzene	5.775	78	41162	0.827	ug/L	100
34) Trichloroethene	6.547	95	8645	0.614	ug/L	96
47) Tetrachloroethene	8.547	164	1801	0.178	ug/L #	74
51) Chlorobenzene	9.444	112	54113	1.591	ug/L	98
64) 1,3-Dichlorobenzene	11.749	146	5531	0.212	ug/L	95
65) 1,4-Dichlorobenzene	11.836	146	12081	0.464	ug/L	95

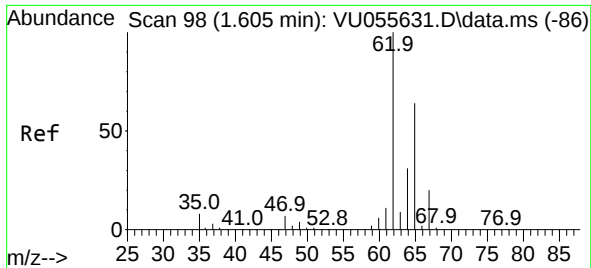
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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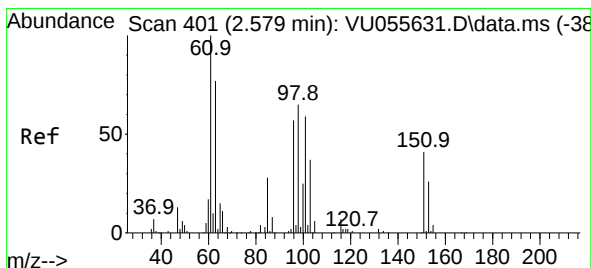
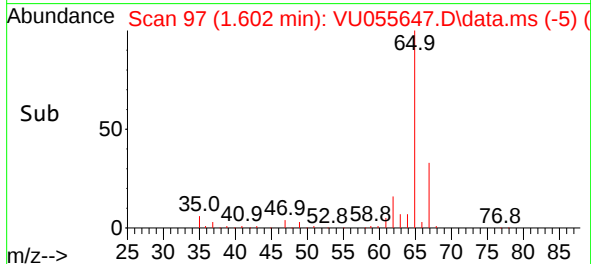
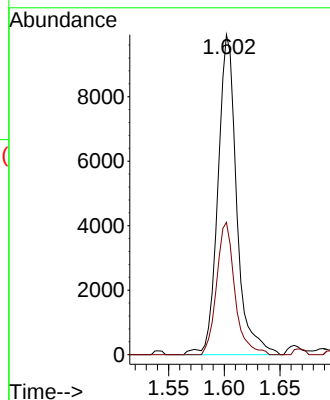
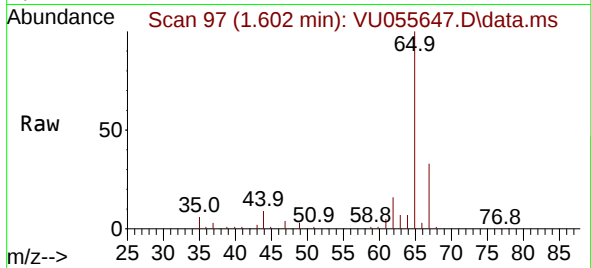




#5
 Vinyl chloride
 Concen: 0.750 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU055647.D
 Acq: 03 Oct 2023 18:10

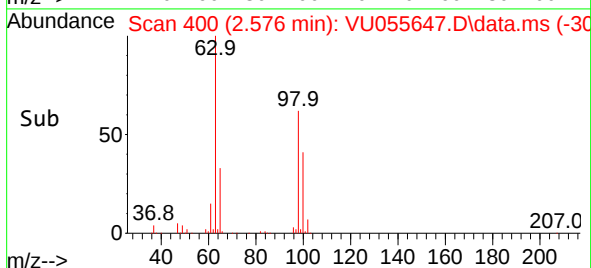
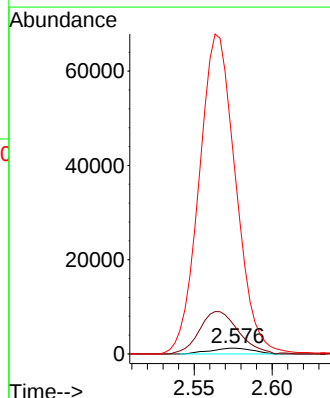
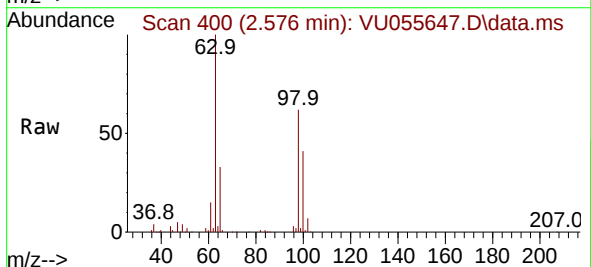
Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-3(2030927)DL

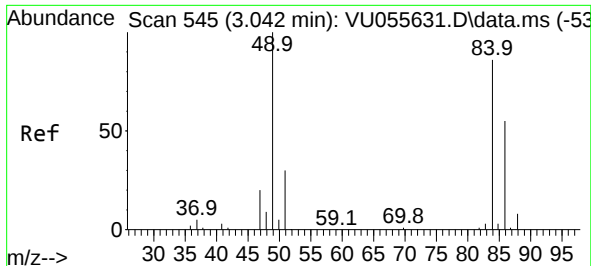
Tgt Ion: 62 Resp: 11618
 Ion Ratio Lower Upper
 62 100
 64 41.4 22.3 41.5



#12
 1,1-Dichloroethene
 Concen: 0.198 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU055647.D
 Acq: 03 Oct 2023 18:10

Tgt Ion: 96 Resp: 2323
 Ion Ratio Lower Upper
 96 100
 61 474.8 114.5 212.7#
 63 3137.2 98.3 182.5#

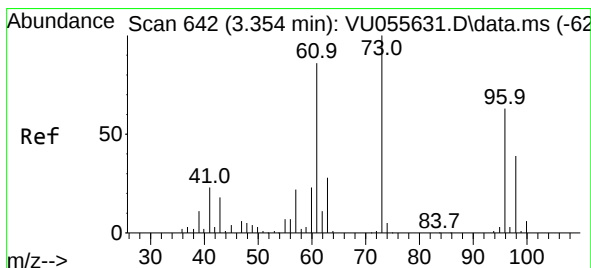
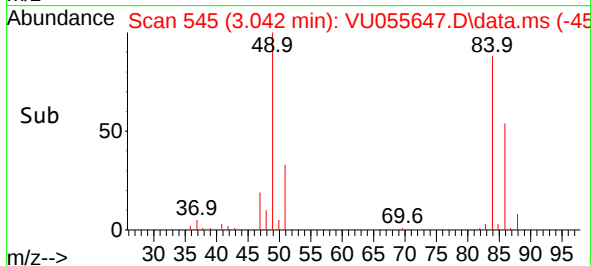
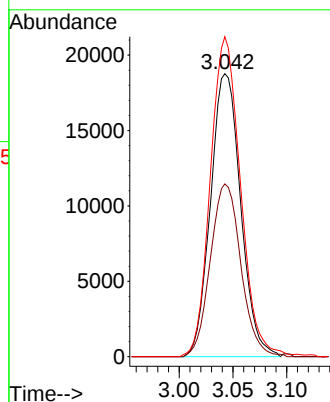
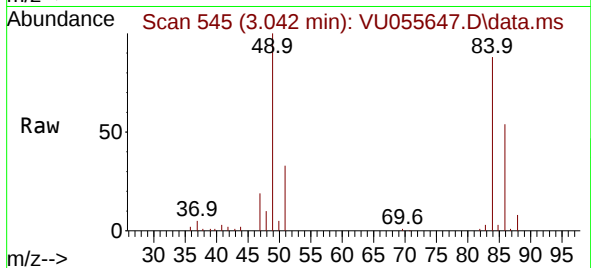




#16
Methylene chloride
Concen: 2.603 ug/L
RT: 3.042 min Scan# 54
Delta R.T. 0.000 min
Lab File: VU055647.D
Acq: 03 Oct 2023 18:10

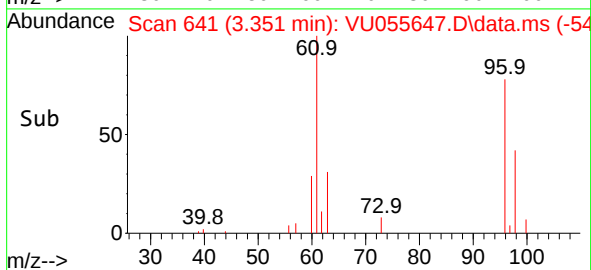
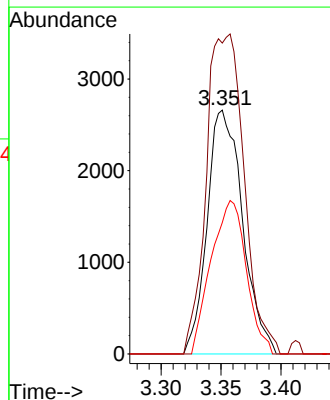
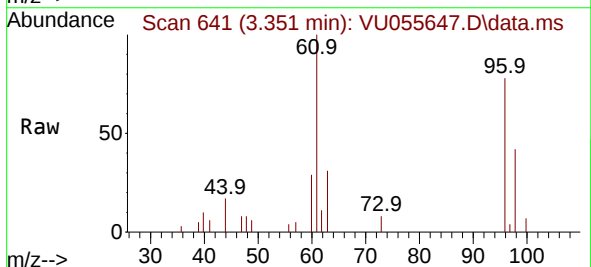
Instrument :
MSVOA_U
ClientSampleId :
PMW-3(2030927)DL

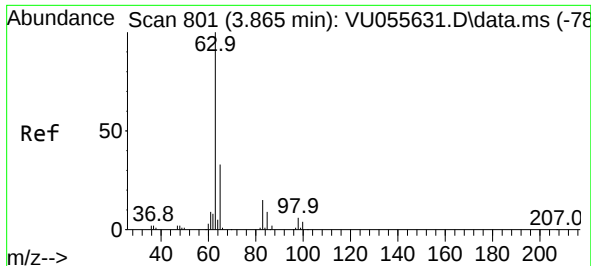
Tgt Ion: 84 Resp: 36538
Ion Ratio Lower Upper
84 100
86 61.0 44.9 83.3
49 113.0 78.8 146.3



#18
trans-1,2-Dichloroethene
Concen: 0.462 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055647.D
Acq: 03 Oct 2023 18:10

Tgt Ion: 96 Resp: 5459
Ion Ratio Lower Upper
96 100
61 127.5 94.6 175.6
98 53.9 45.7 84.9





#19

1,1-Dichloroethane

Concen: 6.844 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU055647.D

Acq: 03 Oct 2023 18:10

Instrument :

MSVOA_U

ClientSampleId :

PMW-3(2030927)DL

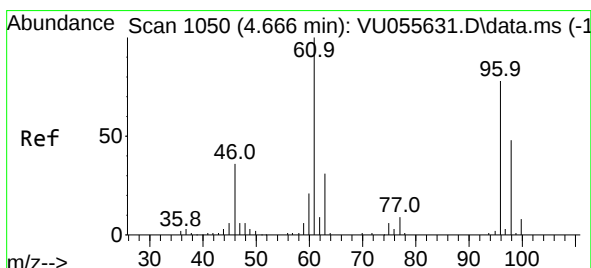
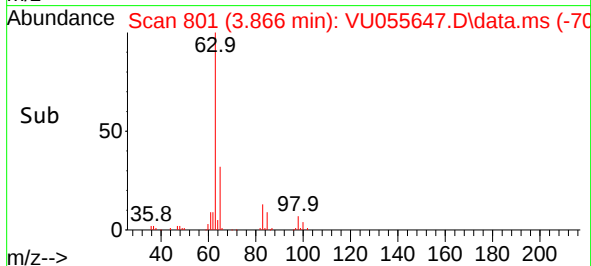
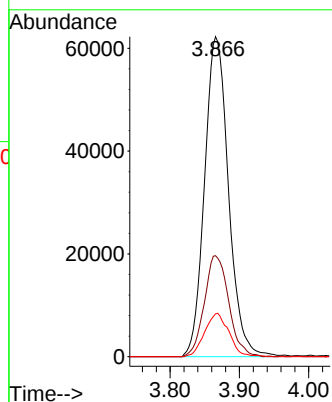
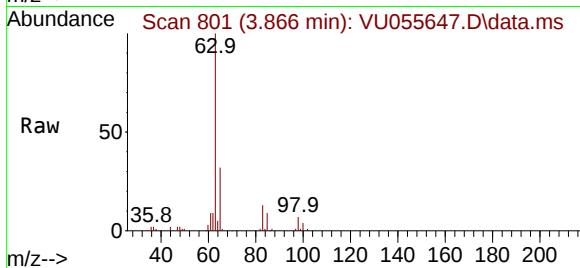
Tgt Ion: 63 Resp: 149467

Ion Ratio Lower Upper

63 100

65 32.2 22.0 41.0

83 13.4 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 4.025 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.003 min

Lab File: VU055647.D

Acq: 03 Oct 2023 18:10

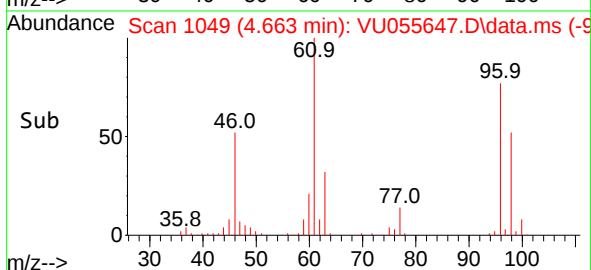
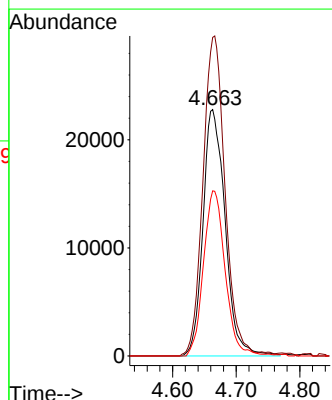
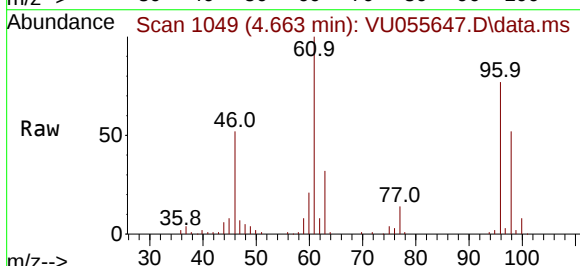
Tgt Ion: 96 Resp: 55109

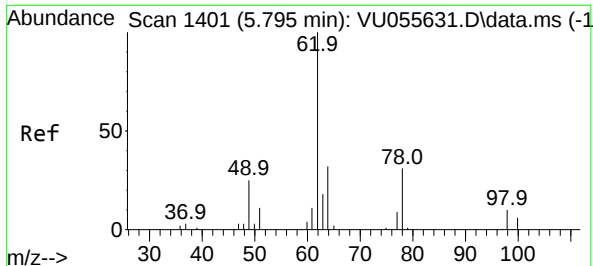
Ion Ratio Lower Upper

96 100

61 129.3 87.8 163.2

98 67.0 44.4 82.4





#27

1,2-Dichloroethane

Concen: 1.652 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.000 min

Lab File: VU055647.D

Acq: 03 Oct 2023 18:10

Instrument :

MSVOA_U

ClientSampleId :

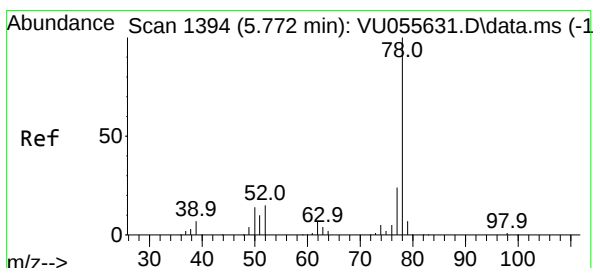
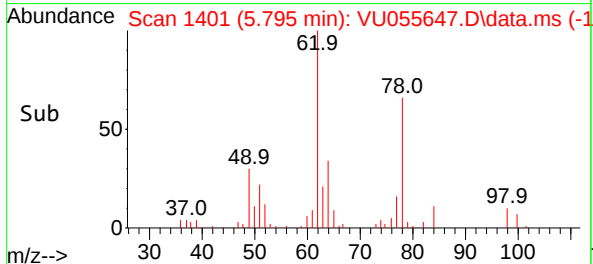
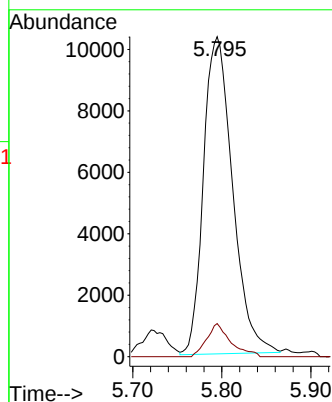
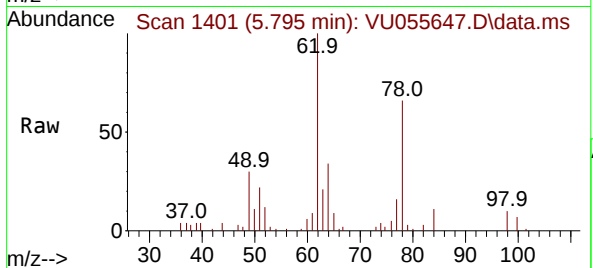
PMW-3(2030927)DL

Tgt Ion: 62 Resp: 23428

Ion Ratio Lower Upper

62 100

98 10.4 7.0 10.4



#33

Benzene

Concen: 0.827 ug/L

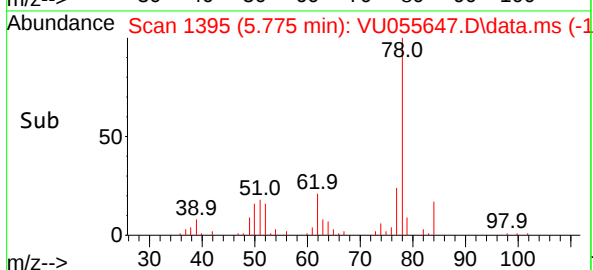
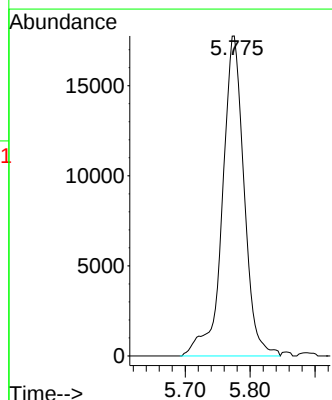
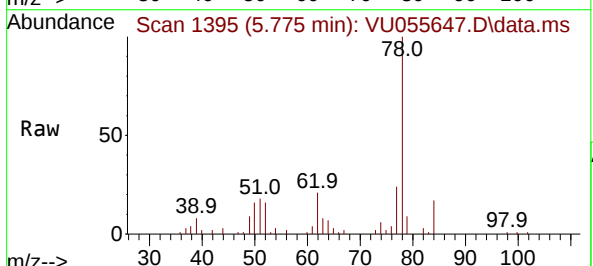
RT: 5.775 min Scan# 1395

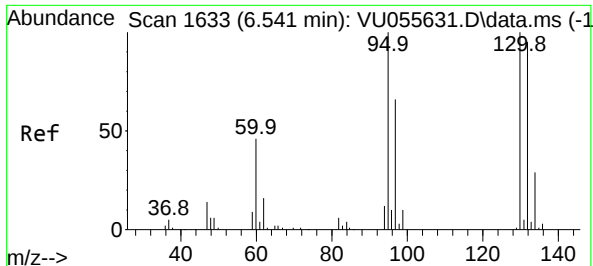
Delta R.T. 0.003 min

Lab File: VU055647.D

Acq: 03 Oct 2023 18:10

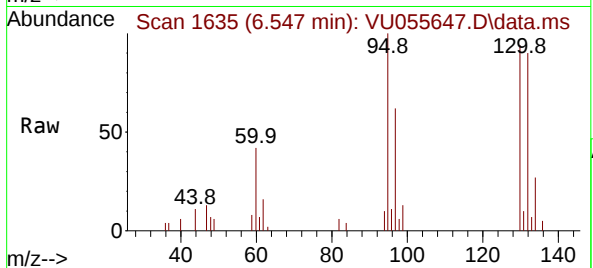
Tgt Ion: 78 Resp: 41162



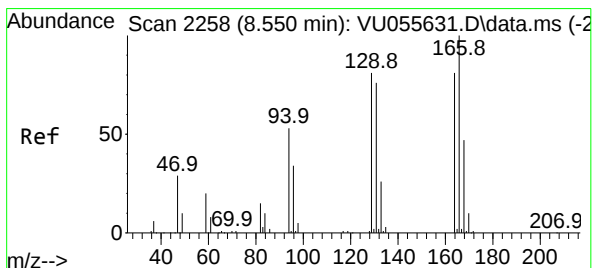
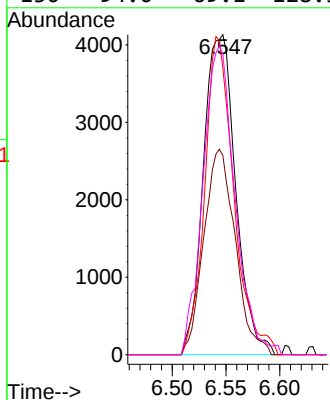
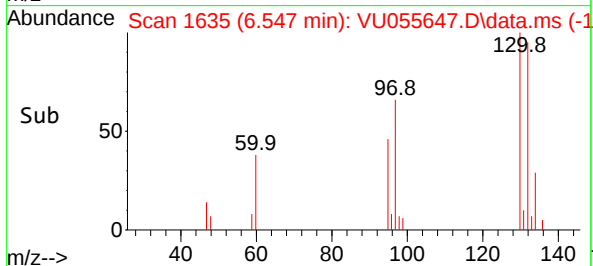


#34
Trichloroethene
Concen: 0.614 ug/L
RT: 6.547 min Scan# 1635
Delta R.T. 0.007 min
Lab File: VU055647.D
Acq: 03 Oct 2023 18:10

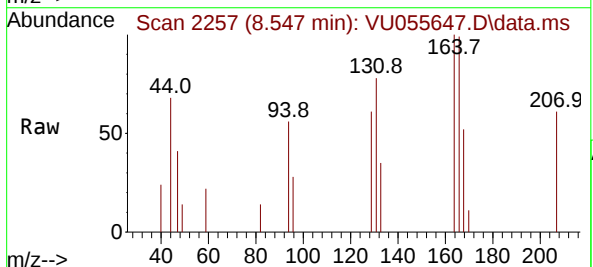
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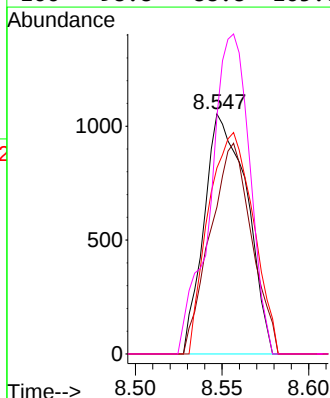
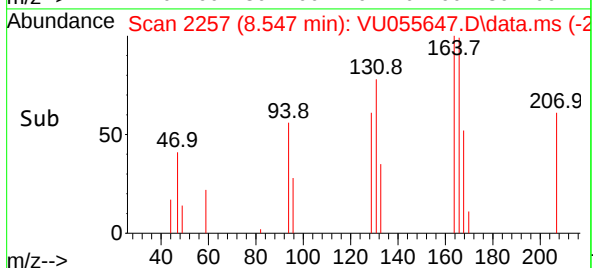
Tgt Ion:	95	Resp:	8645
Ion	Ratio	Lower	Upper
95	100		
97	62.3	45.4	84.2
132	89.6	65.2	121.2
130	94.0	69.1	128.3

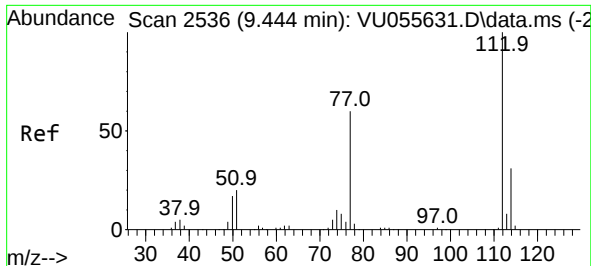


#47
Tetrachloroethene
Concen: 0.178 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU055647.D
Acq: 03 Oct 2023 18:10



Tgt Ion:	164	Resp:	1801
Ion	Ratio	Lower	Upper
164	100		
129	61.2	67.4	125.2
131	77.5	66.4	123.2
166	98.8	88.8	165.0

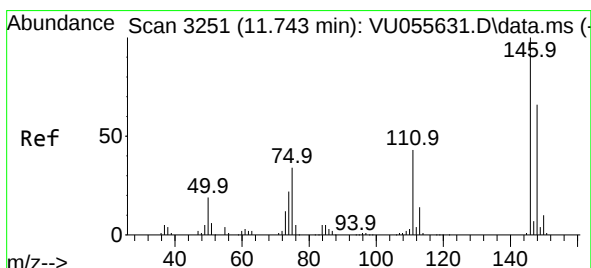
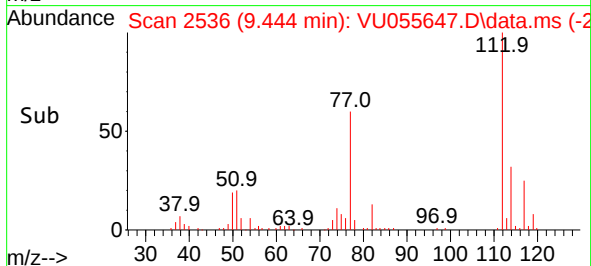
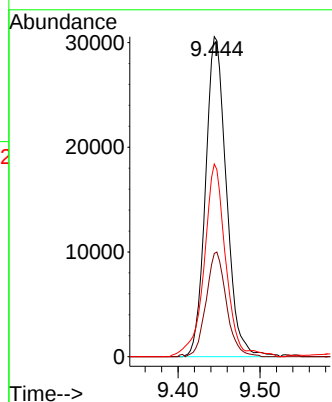
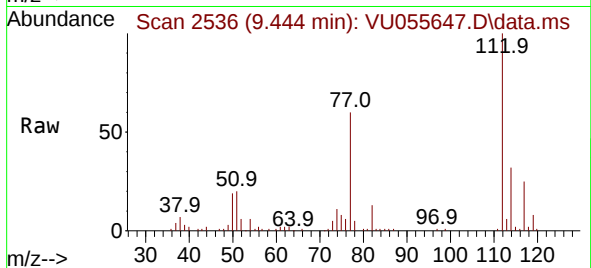




#51
Chlorobenzene
Concen: 1.591 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU055647.D
Acq: 03 Oct 2023 18:10

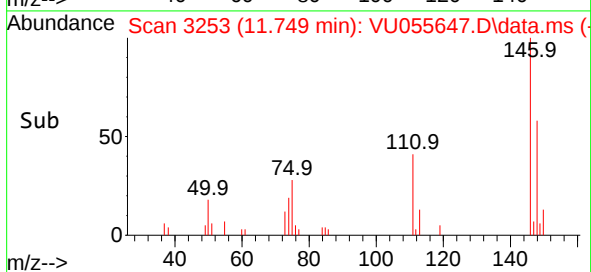
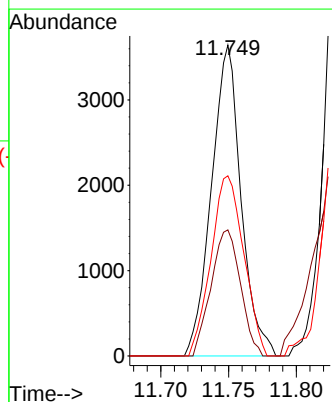
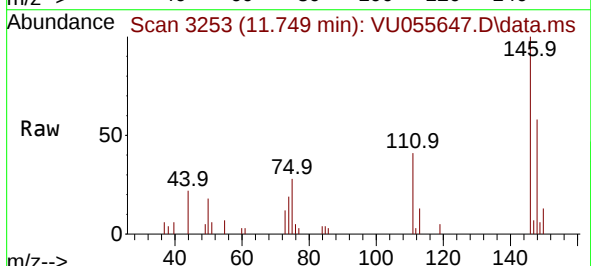
Instrument :
MSVOA_U
ClientSampleId :
PMW-3(2030927)DL

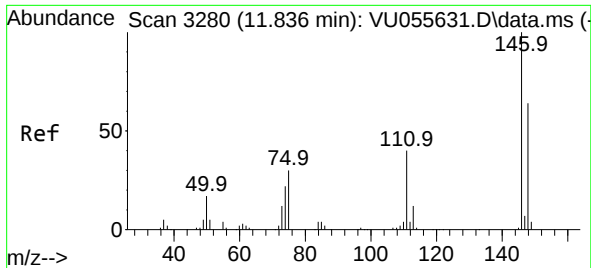
Tgt Ion:112 Resp: 54113
Ion Ratio Lower Upper
112 100
114 32.3 22.0 40.8
77 60.2 46.9 70.3



#64
1,3-Dichlorobenzene
Concen: 0.212 ug/L
RT: 11.749 min Scan# 3253
Delta R.T. 0.007 min
Lab File: VU055647.D
Acq: 03 Oct 2023 18:10

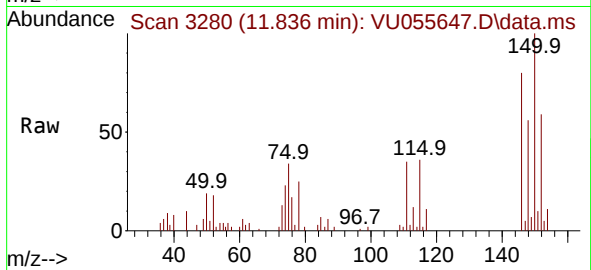
Tgt Ion:146 Resp: 5531
Ion Ratio Lower Upper
146 100
111 40.6 28.8 53.6
148 57.9 44.6 82.8





#65
 1,4-Dichlorobenzene
 Concen: 0.464 ug/L
 RT: 11.836 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU055647.D
 Acq: 03 Oct 2023 18:10

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-3(2030927)DL



Tgt Ion:	146	Resp:	12081
Ion	Ratio	Lower	Upper
146	100		
111	43.5	29.0	53.8
148	70.0	45.4	84.4

