

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100323\
 Data File : VU055640.D
 Acq On : 03 Oct 2023 14:54
 Operator : MD/SY
 Sample : 04679-04DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-4(20230927)DL

Quant Time: Oct 04 04:43:31 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)

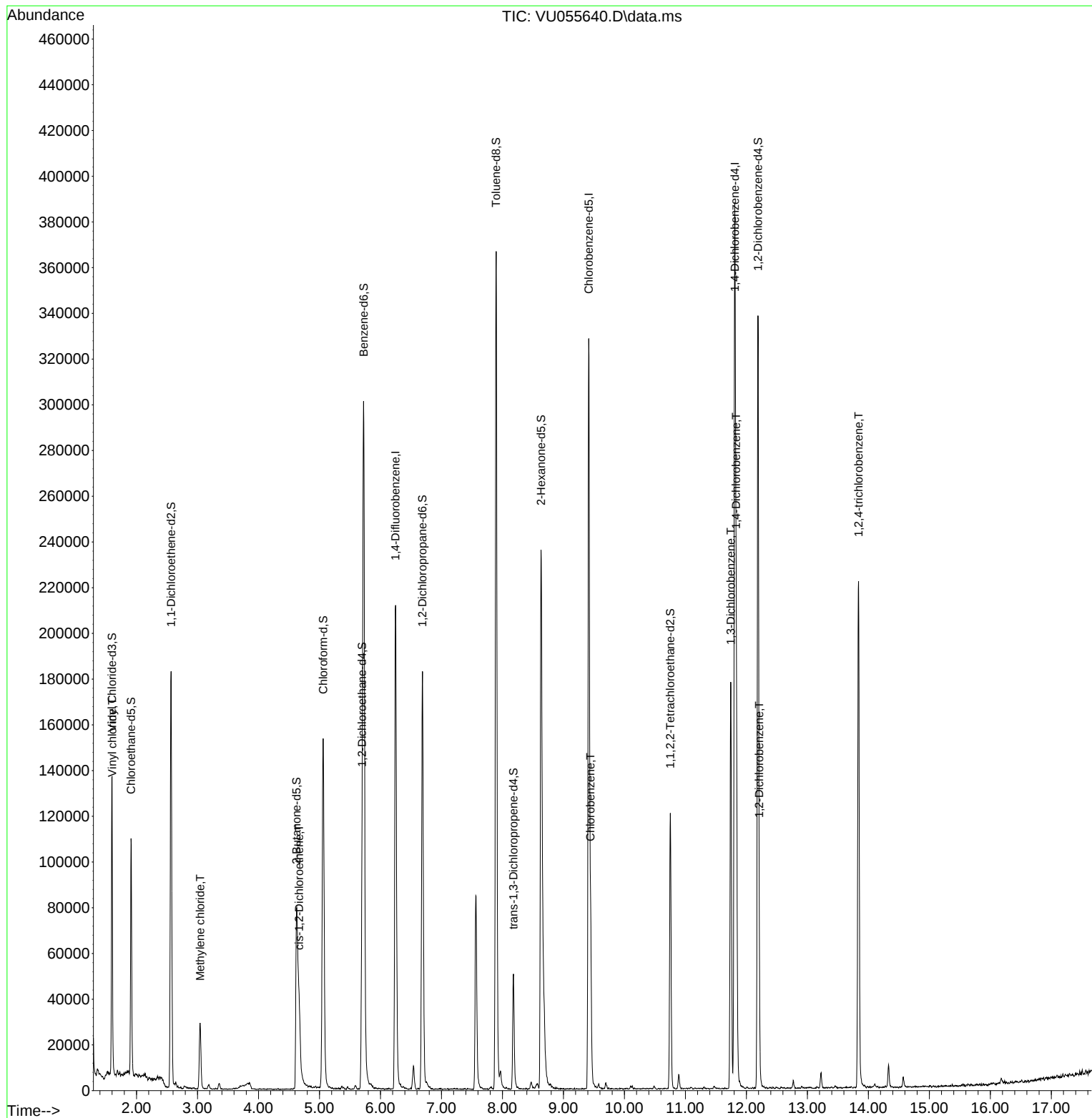
Internal Standards							
1) 1,4-Difluorobenzene		6.248	114	178093	5.000	ug/L	0.00
28) Chlorobenzene-d5		9.415	117	180420	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4		11.810	152	97762	5.000	ug/L	0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3		1.599	65	90730	5.041	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.800%	
7) Chloroethane-d5		1.911	69	71051	4.479	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.600%	
11) 1,1-Dichloroethene-d2		2.566	65	33016	4.456	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.200%	
20) 2-Butanone-d5		4.624	46	128935	39.658	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.320%	
24) Chloroform-d		5.062	84	145654	4.474	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.400%	
26) 1,2-Dichloroethane-d4		5.698	65	67248	4.294	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%	
32) Benzene-d6		5.724	84	293615	4.653	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%	
36) 1,2-Dichloropropane-d6		6.689	67	88176	4.676	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.600%	
41) Toluene-d8		7.897	98	252270	4.386	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%	
43) trans-1,3-Dichloroprop...		8.180	79	30273	4.575	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.600%	
46) 2-Hexanone-d5		8.634	63	74947	37.237	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.480%	
56) 1,1,2,2-Tetrachloroeth...		10.753	84	61849	4.377	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.600%	
66) 1,2-Dichlorobenzene-d4		12.190	152	86846	4.401	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.000%	
Target Compounds							
5) Vinyl chloride		1.602	62	2028	0.123	ug/L	Qvalue # 7
16) Methylene chloride		3.046	84	14421	0.967	ug/L	98
22) cis-1,2-Dichloroethene		4.666	96	11093	0.762	ug/L	85
51) Chlorobenzene		9.444	112	38206	1.077	ug/L	99
64) 1,3-Dichlorobenzene		11.746	146	71481	2.650	ug/L	98
65) 1,4-Dichlorobenzene		11.833	146	73798	2.737	ug/L	98
67) 1,2-Dichlorobenzene		12.209	146	7791	0.315	ug/L	98
70) 1,2,4-trichlorobenzene		13.839	180	69004	4.872	ug/L	98

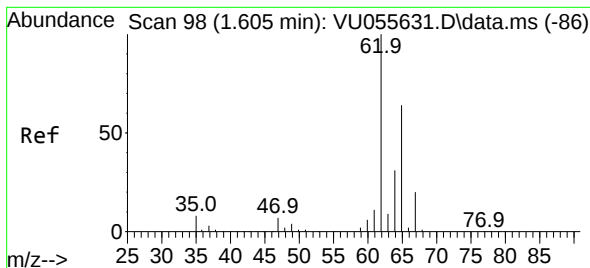
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Oct 04 04:40:48 2023
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.123 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.003 min

Lab File: VU055640.D

Acq: 03 Oct 2023 14:54

Instrument :

MSVOA_U

ClientSampleId :

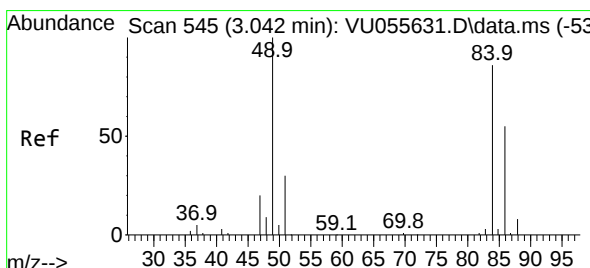
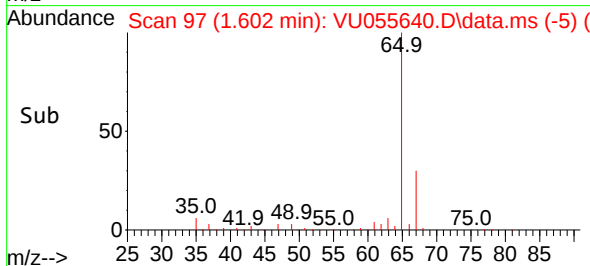
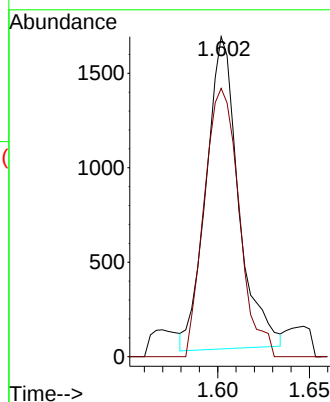
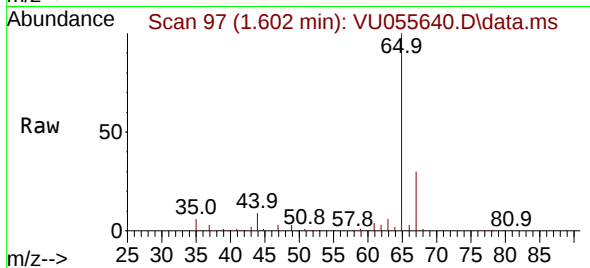
PMW-4(20230927)DL

Tgt Ion: 62 Resp: 2028

Ion Ratio Lower Upper

62 100

64 83.8 22.3 41.5#



#16

Methylene chloride

Concen: 0.967 ug/L

RT: 3.046 min Scan# 546

Delta R.T. 0.003 min

Lab File: VU055640.D

Acq: 03 Oct 2023 14:54

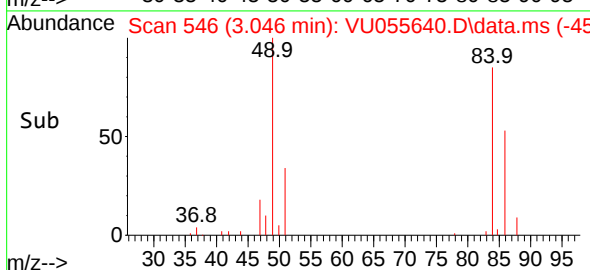
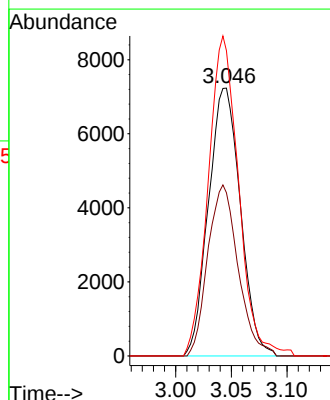
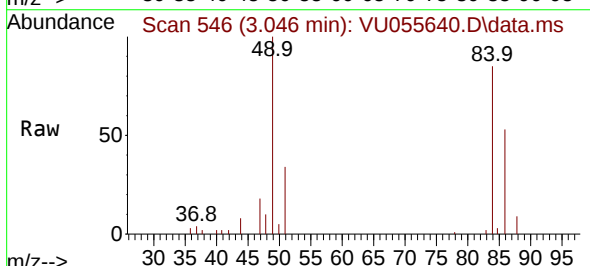
Tgt Ion: 84 Resp: 14421

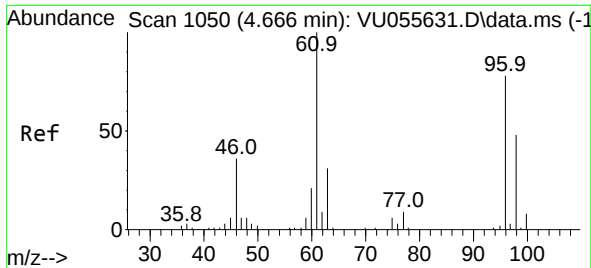
Ion Ratio Lower Upper

84 100

86 60.9 44.9 83.3

49 114.0 78.8 146.3

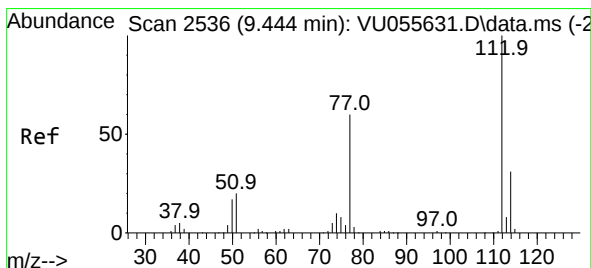
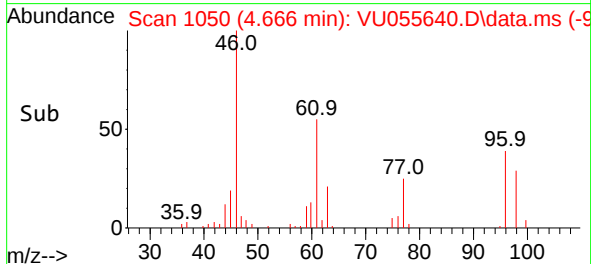
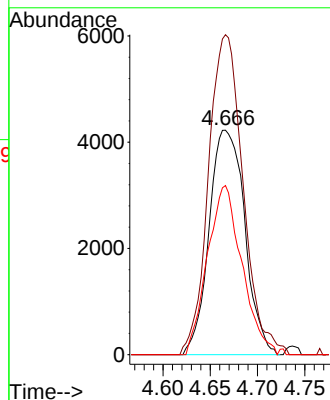
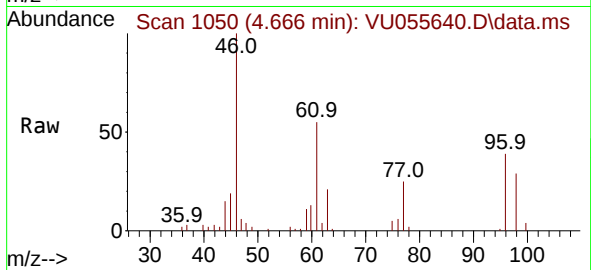




#22
 cis-1,2-Dichloroethene
 Concen: 0.762 ug/L
 RT: 4.666 min Scan# 1050
 Delta R.T. 0.000 min
 Lab File: VU055640.D
 Acq: 03 Oct 2023 14:54

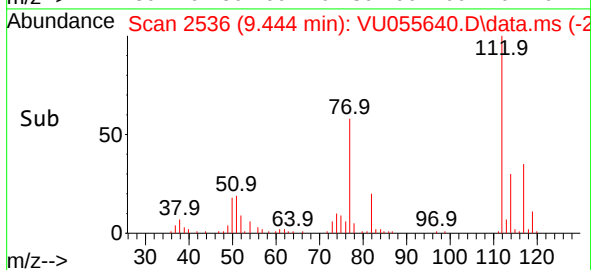
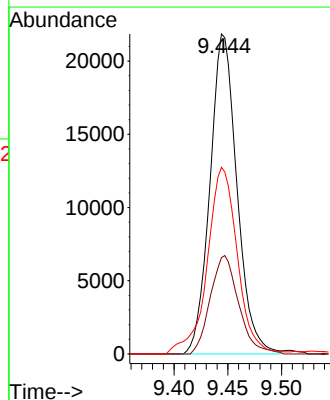
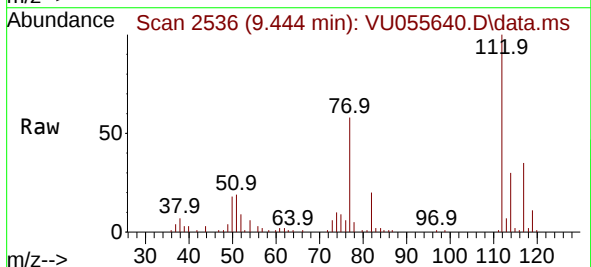
Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-4(20230927)DL

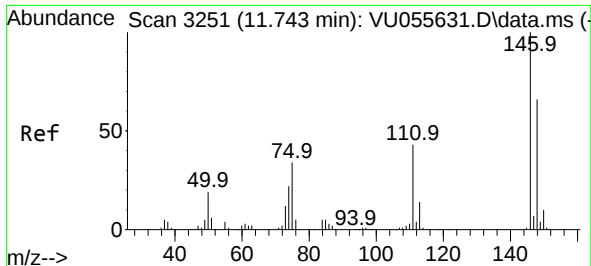
Tgt Ion:	96	Resp:	11093
Ion	Ratio	Lower	Upper
96	100		
61	142.5	87.8	163.2
98	75.3	44.4	82.4



#51
 Chlorobenzene
 Concen: 1.077 ug/L
 RT: 9.444 min Scan# 2536
 Delta R.T. 0.000 min
 Lab File: VU055640.D
 Acq: 03 Oct 2023 14:54

Tgt Ion:	112	Resp:	38206
Ion	Ratio	Lower	Upper
112	100		
114	30.1	22.0	40.8
77	58.3	46.9	70.3

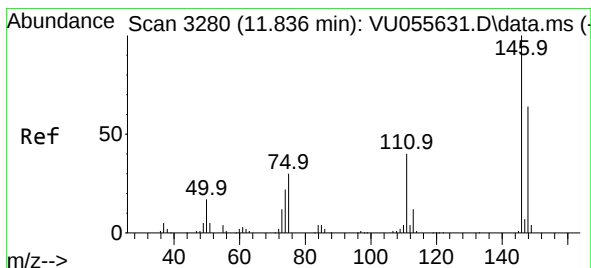
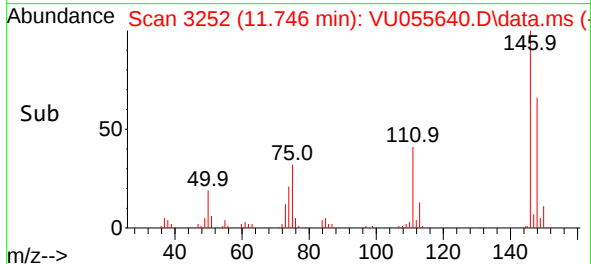
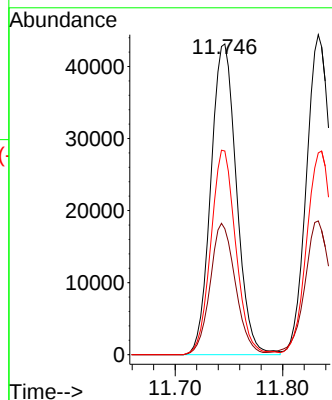
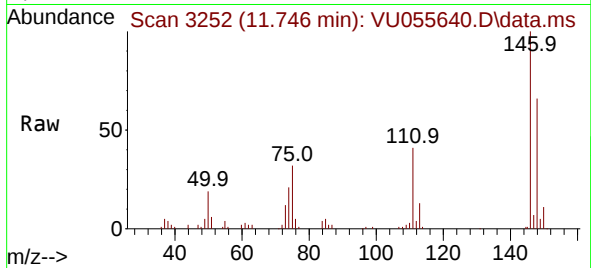




#64
1,3-Dichlorobenzene
Concen: 2.650 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055640.D
Acq: 03 Oct 2023 14:54

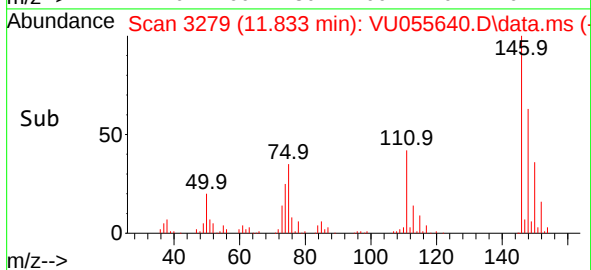
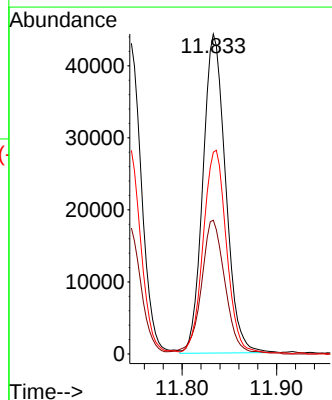
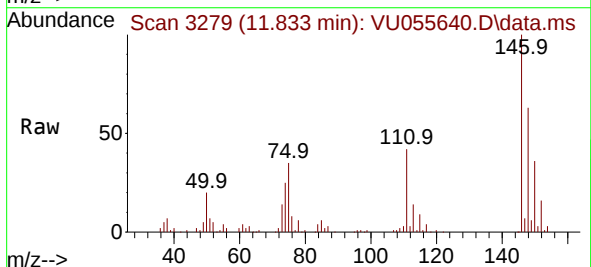
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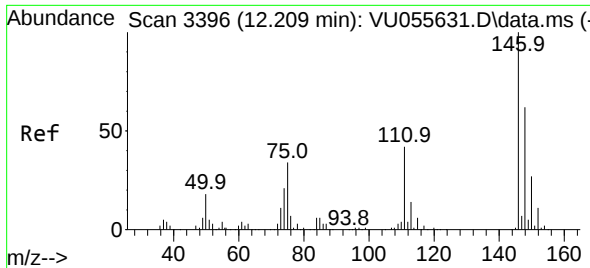
Tgt Ion:146 Resp: 71481
Ion Ratio Lower Upper
146 100
111 40.5 28.8 53.6
148 65.6 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 2.737 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.003 min
Lab File: VU055640.D
Acq: 03 Oct 2023 14:54

Tgt Ion:146 Resp: 73798
Ion Ratio Lower Upper
146 100
111 41.8 29.0 53.8
148 63.0 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 0.315 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

Lab File: VU055640.D

Acq: 03 Oct 2023 14:54

Instrument :

MSVOA_U

ClientSampleId :

PMW-4(20230927)DL

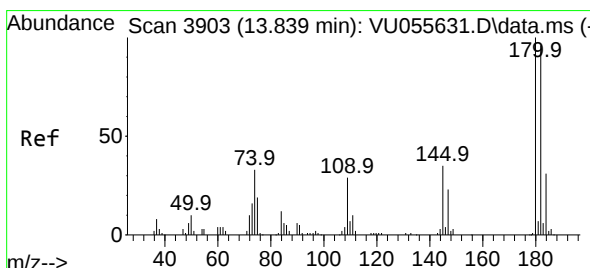
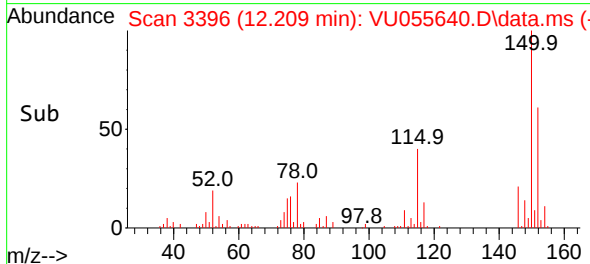
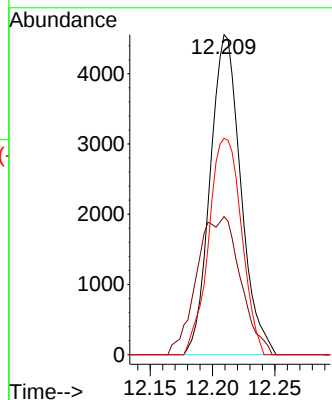
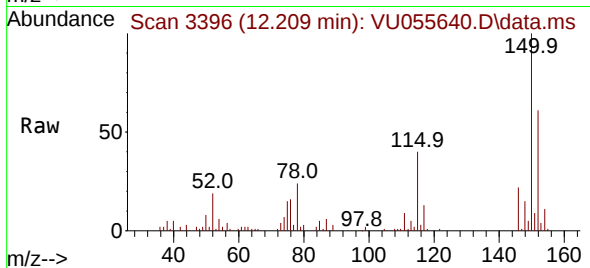
Tgt Ion:146 Resp: 7791

Ion Ratio Lower Upper

146 100

111 43.2 34.6 52.0

148 67.6 51.8 77.8



#70

1,2,4-trichlorobenzene

Concen: 4.872 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.000 min

Lab File: VU055640.D

Acq: 03 Oct 2023 14:54

Tgt Ion:180 Resp: 69004

Ion Ratio Lower Upper

180 100

182 94.1 76.4 114.6

145 32.7 25.4 38.0

