

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040824\
 Data File : VU058463.D
 Acq On : 08 Apr 2024 12:59
 Operator : MD/SY
 Sample : P1925-21DL 2000X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-1(20240328)DL

Quant Time: Apr 09 04:24:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 09 04:22:28 2024
 Response via : Initial Calibration

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

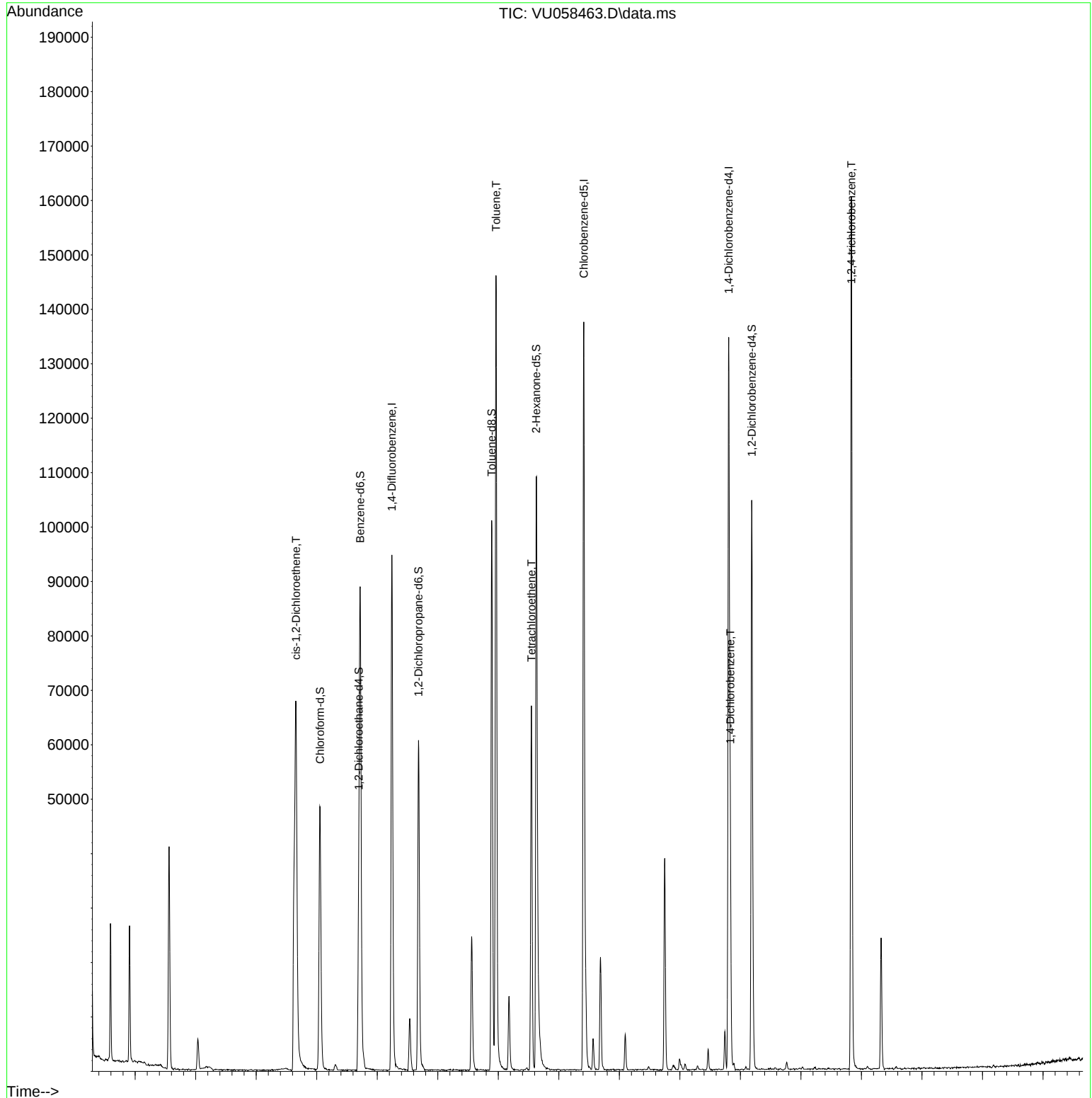
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	75714	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	73435	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	33619	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	16636	3.319	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.400%
7) Chloroethane-d5	1.907	69	16965	3.894	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.800%
11) 1,1-Dichloroethene-d2	2.560	65	8150	3.592	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.800%
20) 2-Butanone-d5	4.624	46	52686	49.874	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.740%
24) Chloroform-d	5.055	84	45060	4.503	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
26) 1,2-Dichloroethane-d4	5.695	65	22735	4.868	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.400%
32) Benzene-d6	5.717	84	82325	4.164	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
36) 1,2-Dichloropropane-d6	6.682	67	28658	4.622	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.400%
41) Toluene-d8	7.891	98	68739	3.921	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.400%
43) trans-1,3-Dichloroprop...	8.174	79	8347	4.337	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.800%
46) 2-Hexanone-d5	8.627	63	38681	48.728	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.460%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	19784	4.520	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	25923	4.578	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.600%
Target Compounds	Qvalue					
16) Methylene chloride	3.036	84	2505	0.352	ug/L	90
22) cis-1,2-Dichloroethene	4.656	96	29246	4.631	ug/L	99
34) Trichloroethene	6.541	95	3263	0.486	ug/L	94
42) Toluene	7.962	91	106083	3.799	ug/L	100
47) Tetrachloroethene	8.547	164	13864	2.818	ug/L	97
51) Chlorobenzene	9.441	112	7207	0.427	ug/L	95
52) Ethylbenzene	9.566	91	4303	0.145	ug/L	93
53) m,p-Xylene	9.688	106	5889	0.556	ug/L	98
54) o-Xylene	10.100	106	1937	0.187	ug/L	84
63) 1,2,4-Trimethylbenzene	11.466	105	2500	0.122	ug/L	97
64) 1,3-Dichlorobenzene	11.743	146	3247	0.272	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	17121	1.470	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	4833	0.444	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	47059	6.903	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	7703	1.368	ug/L	99

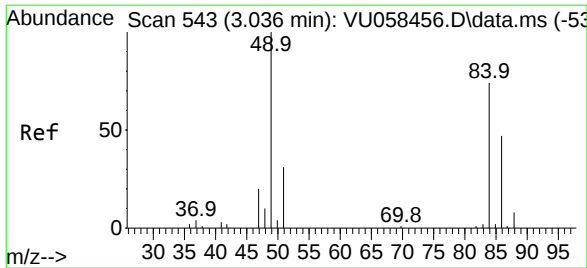
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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DUP-1(20240328)DL

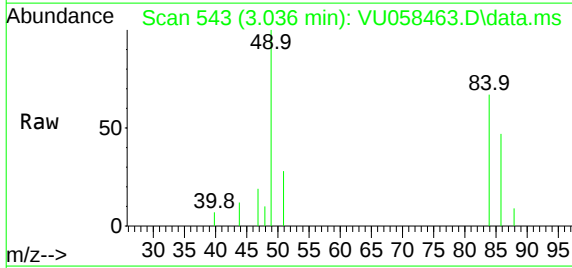
Quant Time: Apr 09 04:24:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
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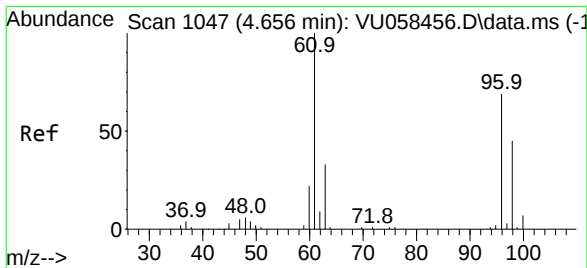
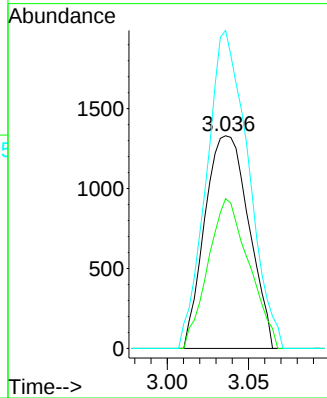
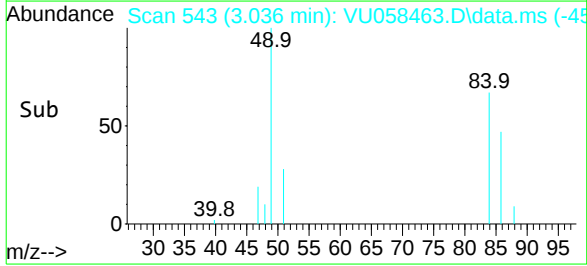


#16
Methylene chloride
Concen: 0.352 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU058463.D
Acq: 08 Apr 2024 12:59

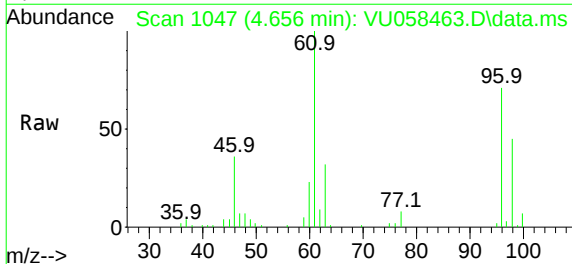
Instrument :
MSVOA_U
ClientSampleId :
DUP-1(20240328)DL



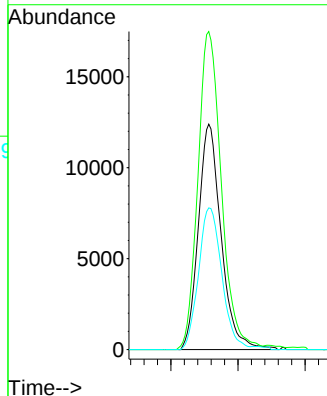
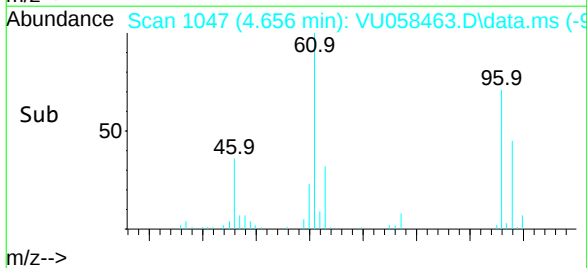
Tgt Ion: 84 Resp: 2505
Ion Ratio Lower Upper
84 100
86 70.5 44.3 82.3
49 149.5 96.0 178.2

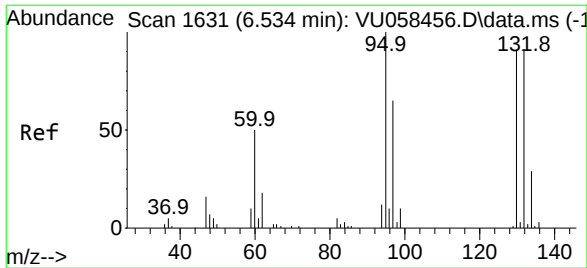


#22
cis-1,2-Dichloroethene
Concen: 4.631 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. 0.000 min
Lab File: VU058463.D
Acq: 08 Apr 2024 12:59



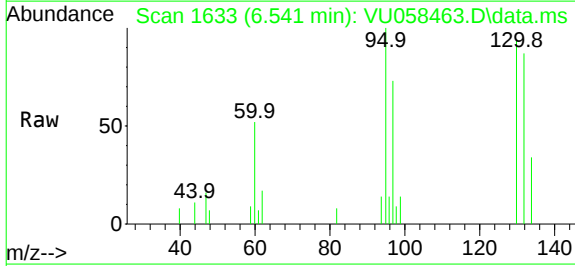
Tgt Ion: 96 Resp: 29246
Ion Ratio Lower Upper
96 100
61 141.1 98.1 182.3
98 62.9 43.6 81.0



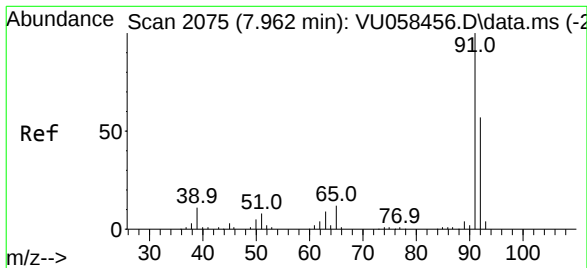
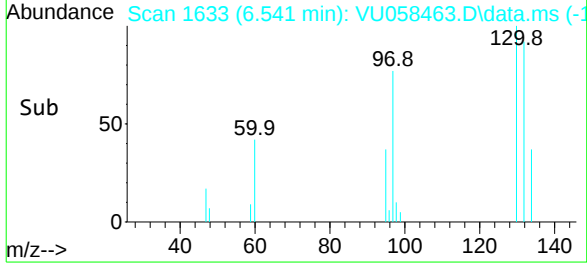
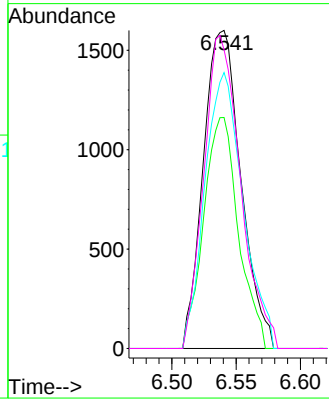


#34
Trichloroethene
Concen: 0.486 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VU058463.D
Acq: 08 Apr 2024 12:59

Instrument :
MSVOA_U
ClientSampleId :
DUP-1(20240328)DL

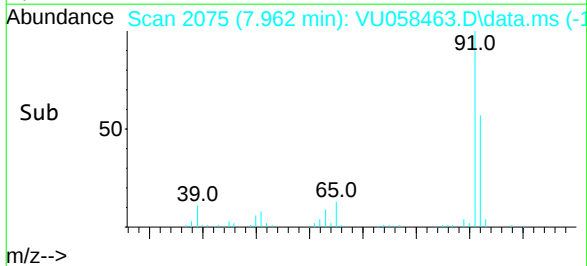
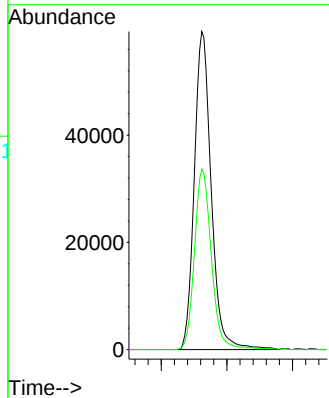
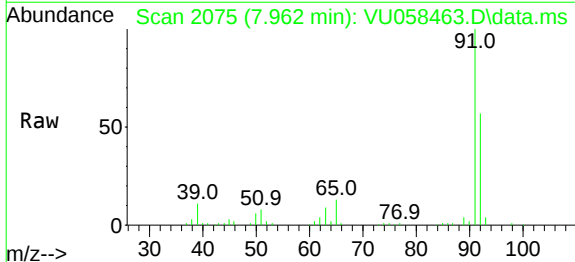


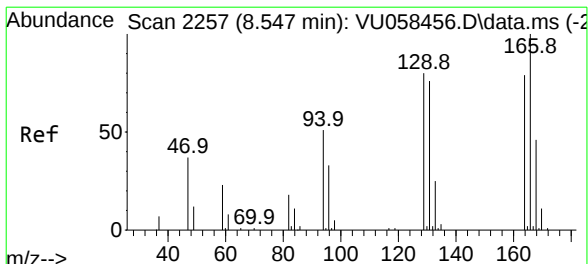
Tgt Ion:	95	Resp:	3263
Ion	Ratio	Lower	Upper
95	100		
97	72.6	45.6	84.6
132	86.8	64.8	120.3
130	93.9	68.0	126.2



#42
Toluene
Concen: 3.799 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. 0.000 min
Lab File: VU058463.D
Acq: 08 Apr 2024 12:59

Tgt Ion:	91	Resp:	106083
Ion	Ratio	Lower	Upper
91	100		
92	56.7	39.5	73.3

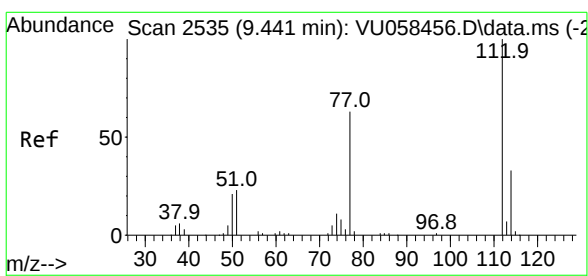
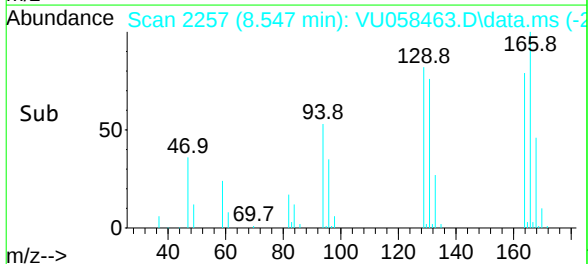
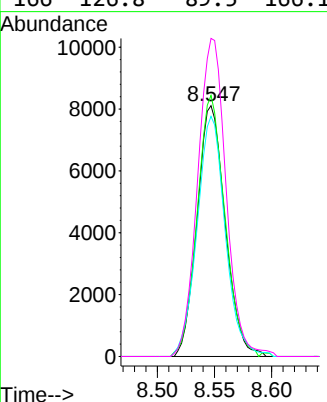
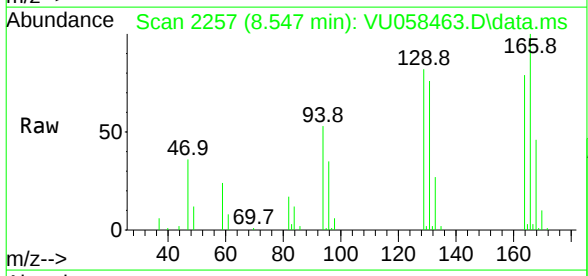




#47
 Tetrachloroethene
 Concen: 2.818 ug/L
 RT: 8.547 min Scan# 2257
 Delta R.T. 0.000 min
 Lab File: VU058463.D
 Acq: 08 Apr 2024 12:59

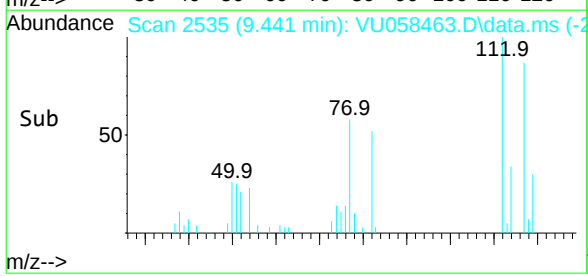
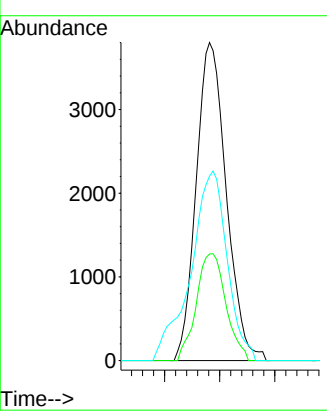
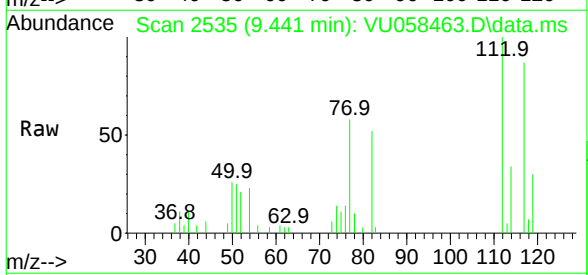
Instrument : MSVOA_U
 ClientSampleId : DUP-1(20240328)DL

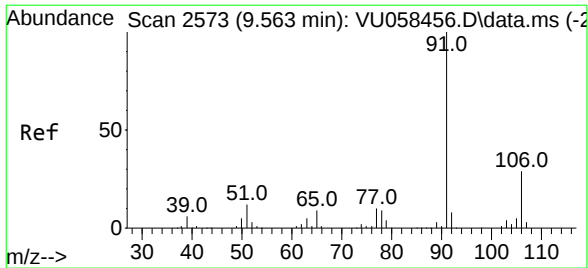
Tgt Ion:	164	Resp:	13864
Ion Ratio	Lower	Upper	
164	100		
129	104.1	67.3	125.1
131	95.8	65.5	121.6
166	126.8	89.5	166.1



#51
 Chlorobenzene
 Concen: 0.427 ug/L
 RT: 9.441 min Scan# 2535
 Delta R.T. 0.000 min
 Lab File: VU058463.D
 Acq: 08 Apr 2024 12:59

Tgt Ion:	112	Resp:	7207
Ion Ratio	Lower	Upper	
112	100		
114	33.5	22.4	41.6
77	58.0	50.1	75.1





#52

Ethylbenzene

Concen: 0.145 ug/L

RT: 9.566 min Scan# 2573

Delta R.T. 0.003 min

Lab File: VU058463.D

Acq: 08 Apr 2024 12:59

Instrument :

MSVOA_U

ClientSampleId :

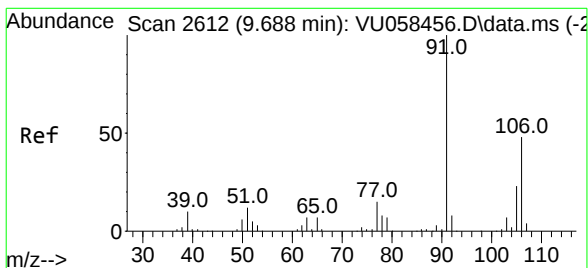
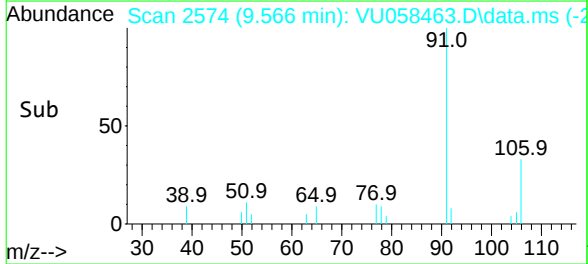
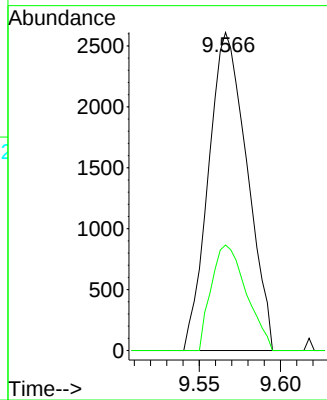
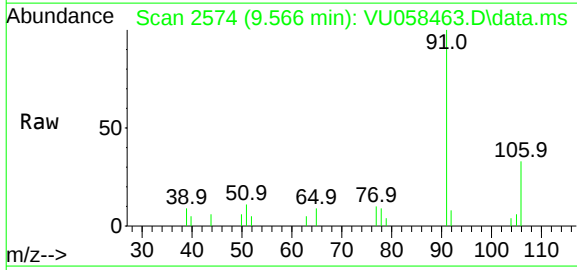
DUP-1(20240328)DL

Tgt Ion: 91 Resp: 4303

Ion Ratio Lower Upper

91 100

106 33.2 20.6 38.4



#53

m,p-Xylene

Concen: 0.556 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU058463.D

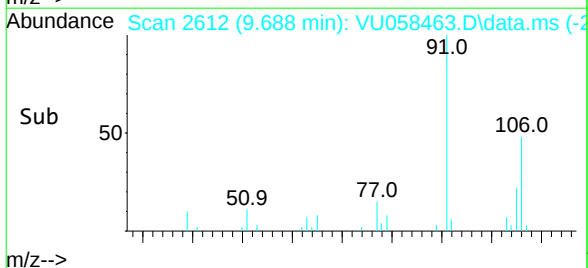
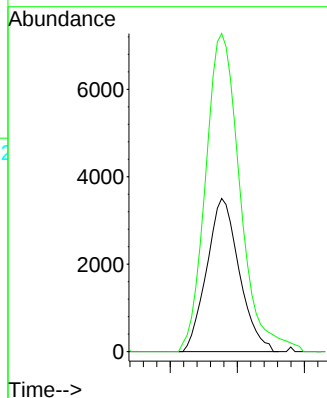
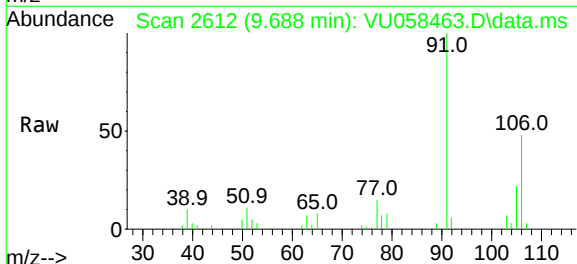
Acq: 08 Apr 2024 12:59

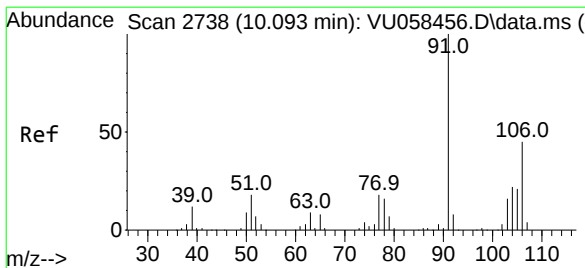
Tgt Ion: 106 Resp: 5889

Ion Ratio Lower Upper

106 100

91 207.6 147.8 274.4





#54

o-Xylene

Concen: 0.187 ug/L

RT: 10.100 min Scan# 27

Delta R.T. 0.006 min

Lab File: VU058463.D

Acq: 08 Apr 2024 12:59

Instrument :

MSVOA_U

ClientSampleId :

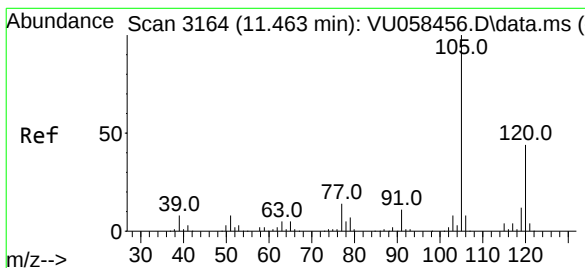
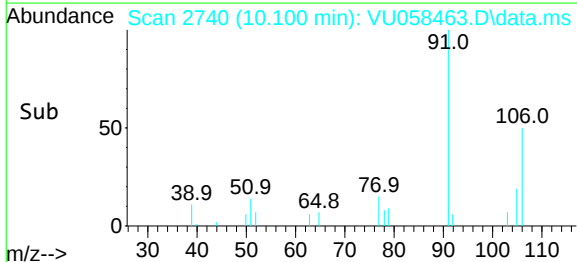
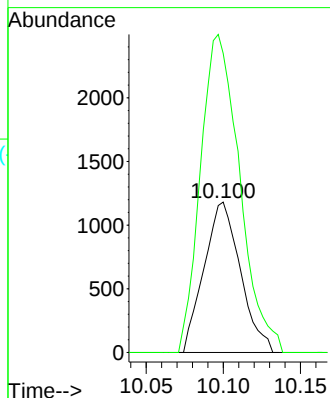
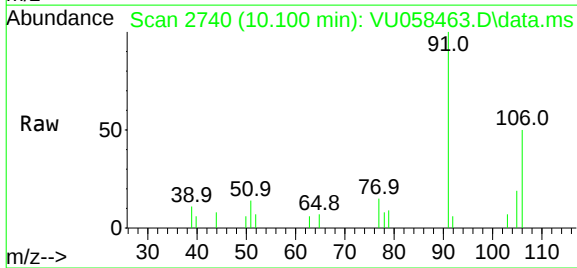
DUP-1(20240328)DL

Tgt Ion:106 Resp: 1937

Ion Ratio Lower Upper

106 100

91 198.9 156.9 291.5



#63

1,2,4-Trimethylbenzene

Concen: 0.122 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU058463.D

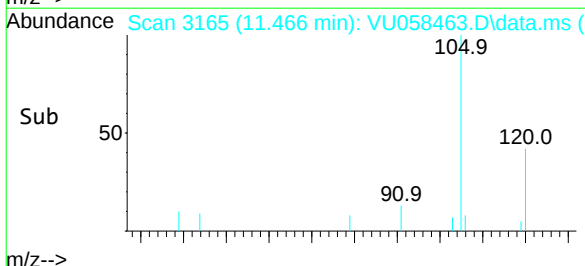
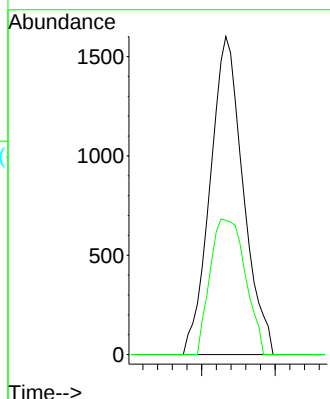
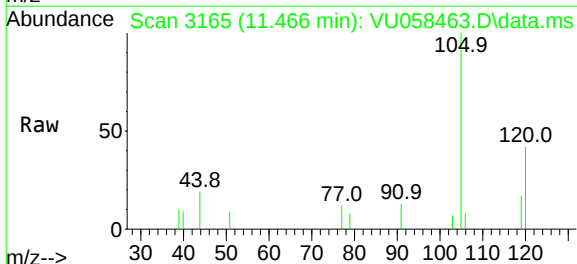
Acq: 08 Apr 2024 12:59

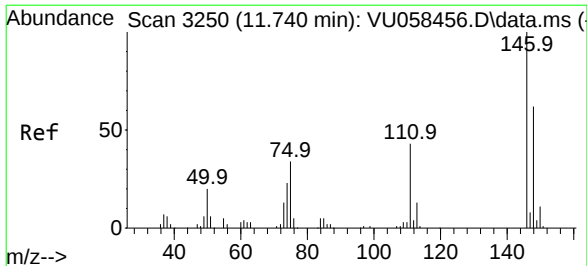
Tgt Ion:105 Resp: 2500

Ion Ratio Lower Upper

105 100

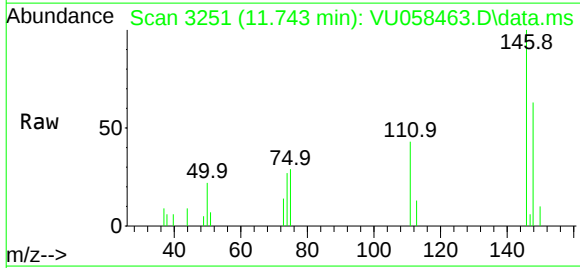
120 45.2 34.7 52.1



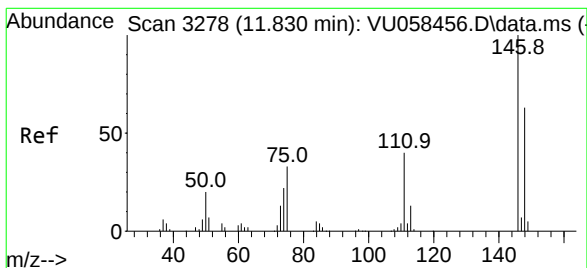
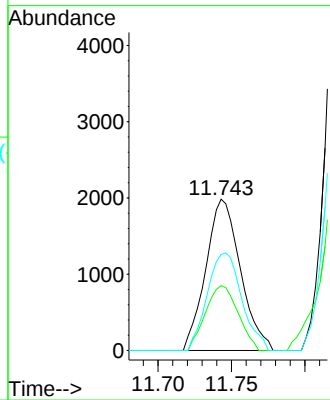
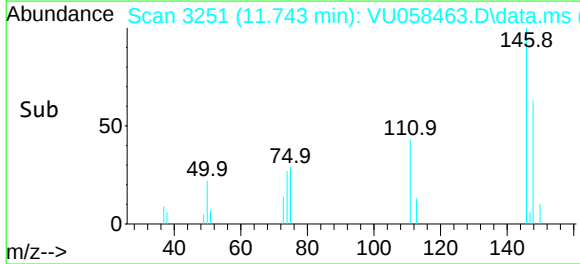


#64
1,3-Dichlorobenzene
Concen: 0.272 ug/L
RT: 11.743 min Scan# 3250
Delta R.T. 0.003 min
Lab File: VU058463.D
Acq: 08 Apr 2024 12:59

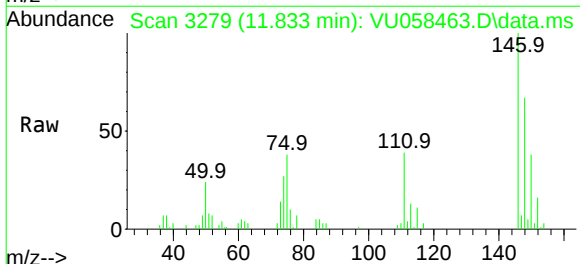
Instrument :
MSVOA_U
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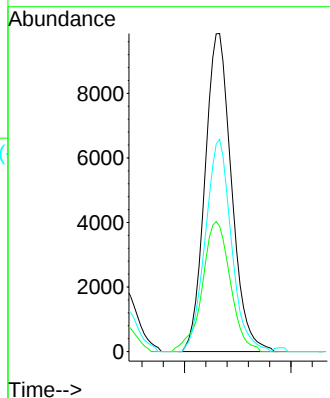
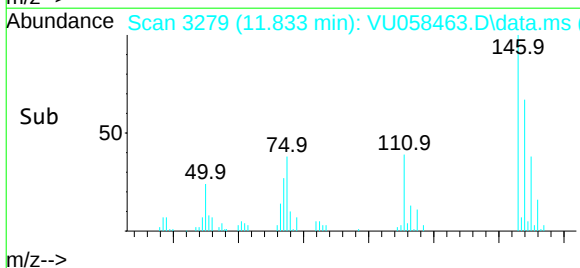
Tgt Ion:146 Resp: 3247
Ion Ratio Lower Upper
146 100
111 42.8 28.8 53.4
148 63.5 44.9 83.3

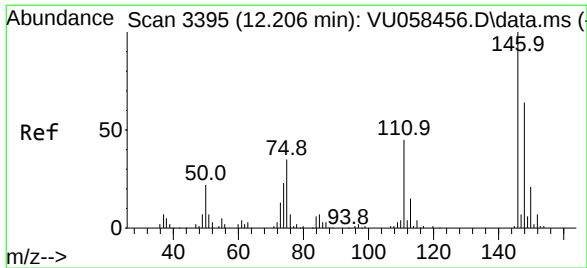


#65
1,4-Dichlorobenzene
Concen: 1.470 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU058463.D
Acq: 08 Apr 2024 12:59



Tgt Ion:146 Resp: 17121
Ion Ratio Lower Upper
146 100
111 39.4 28.8 53.6
148 66.8 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 0.444 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058463.D

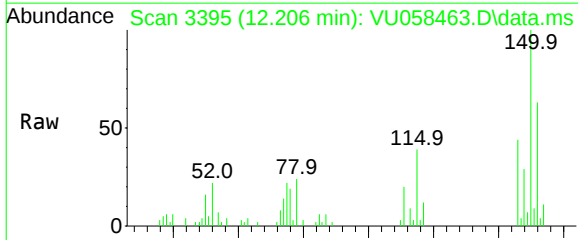
Acq: 08 Apr 2024 12:59

Instrument :

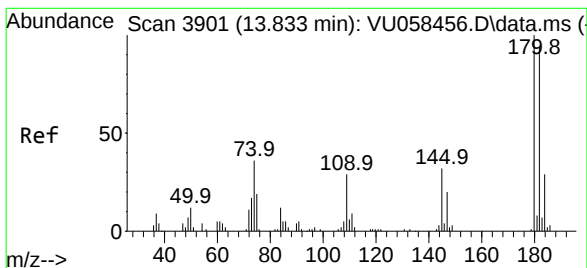
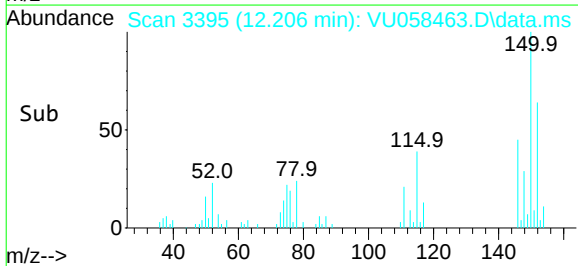
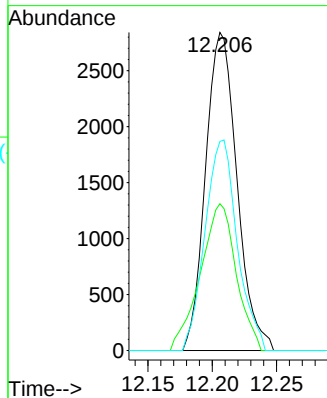
MSVOA_U

ClientSampleId :

DUP-1(20240328)DL



Tgt Ion:	146	Resp:	4833
Ion	Ratio	Lower	Upper
146	100		
111	46.2	35.0	52.4
148	65.7	52.5	78.7



#70

1,2,4-trichlorobenzene

Concen: 6.903 ug/L

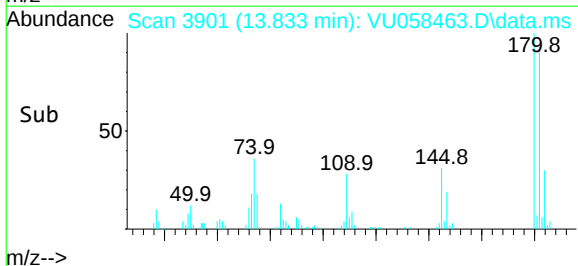
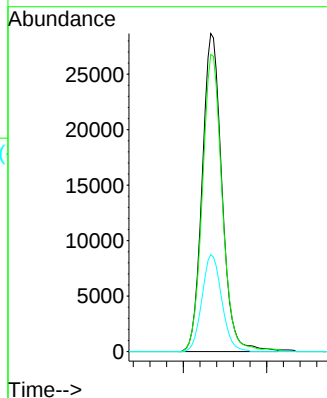
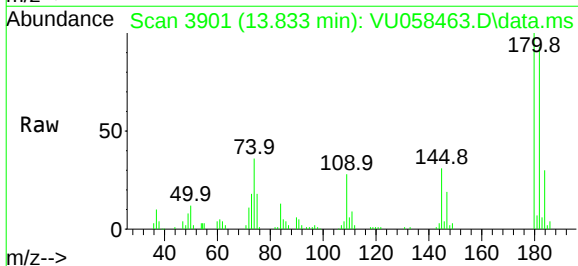
RT: 13.833 min Scan# 3901

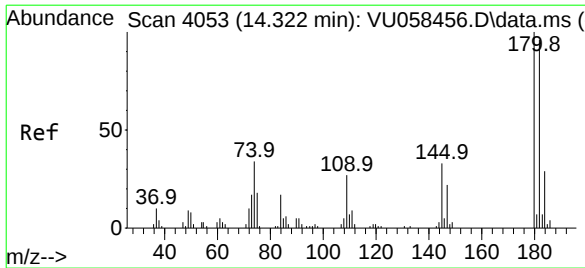
Delta R.T. 0.000 min

Lab File: VU058463.D

Acq: 08 Apr 2024 12:59

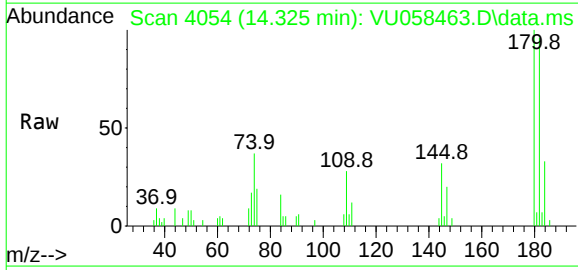
Tgt Ion:	180	Resp:	47059
Ion	Ratio	Lower	Upper
180	100		
182	93.4	74.4	111.6
145	30.5	24.1	36.1





#72
 1,2,3-Trichlorobenzene
 Concen: 1.368 ug/L
 RT: 14.325 min Scan# 40
 Delta R.T. 0.003 min
 Lab File: VU058463.D
 Acq: 08 Apr 2024 12:59

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-1(20240328)DL



Tgt Ion:	180	Resp:	7703
Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.9	113.9
145	32.0	25.2	37.8

