

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122223\
 Data File : VU057203.D
 Acq On : 22 Dec 2023 20:35
 Operator : MD/SY
 Sample : 05894-11DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH3L7DL

Quant Time: Dec 22 22:52:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 22 22:46:58 2023
 Response via : Initial Calibration

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

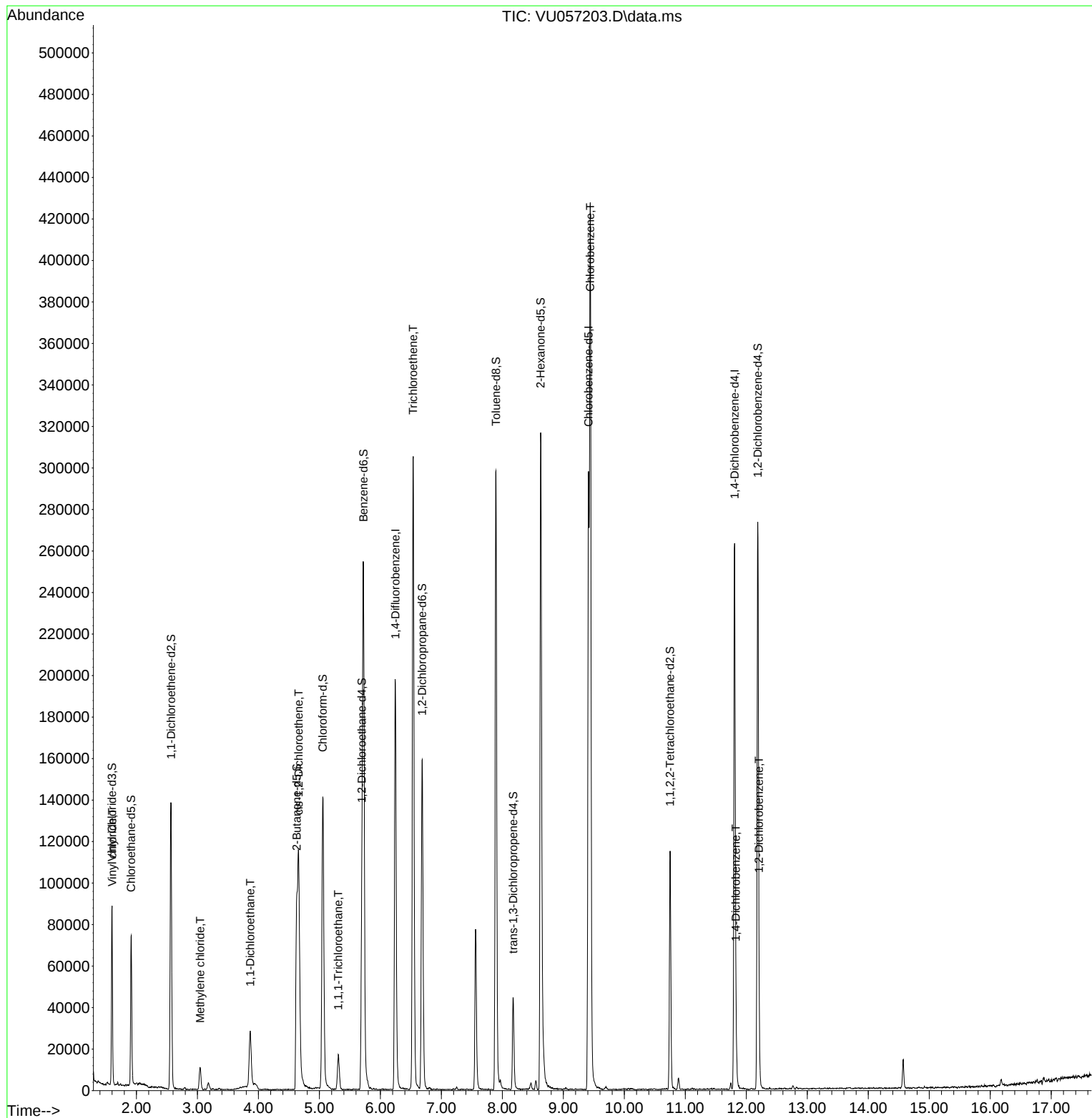
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	159506	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	157285	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	69846	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	59433	3.898	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	78.000%	
7) Chloroethane-d5	1.911	69	54526	4.345	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	86.800%	
11) 1,1-Dichloroethene-d2	2.567	65	27172	4.114	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	82.200%	
20) 2-Butanone-d5	4.628	46	138857	58.010	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	116.020%	
24) Chloroform-d	5.055	84	137319	4.664	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	93.200%	
26) 1,2-Dichloroethane-d4	5.695	65	68253	4.864	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	97.200%	
32) Benzene-d6	5.721	84	242445	4.494	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	89.800%	
36) 1,2-Dichloropropane-d6	6.682	67	76145	4.960	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	99.200%	
41) Toluene-d8	7.894	98	202603	4.114	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	82.200%	
43) trans-1,3-Dichloroprop...	8.177	79	28227	4.417	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	88.400%	
46) 2-Hexanone-d5	8.627	63	109016	50.104	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	100.200%	
56) 1,1,2,2-Tetrachloroeth...	10.750	84	56464	5.169	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	103.400%	
66) 1,2-Dichlorobenzene-d4	12.187	152	72665	4.835	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	96.600%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	3082	0.221	ug/L	# 69
16) Methylene chloride	3.046	84	5726	0.413	ug/L	93
19) 1,1-Dichloroethane	3.866	63	30468	1.320	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	45861	3.581	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	12422	0.497	ug/L	97
34) Trichloroethene	6.534	95	109965	7.542	ug/L	97
51) Chlorobenzene	9.441	112	228080	6.632	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	7972	0.325	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	6994	0.321	ug/L	92

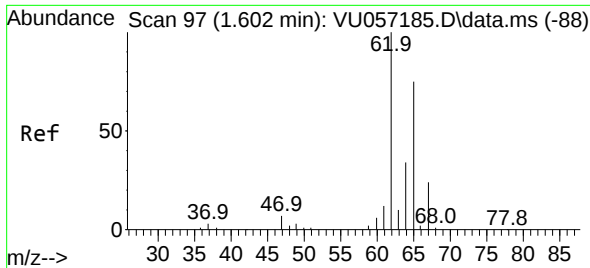
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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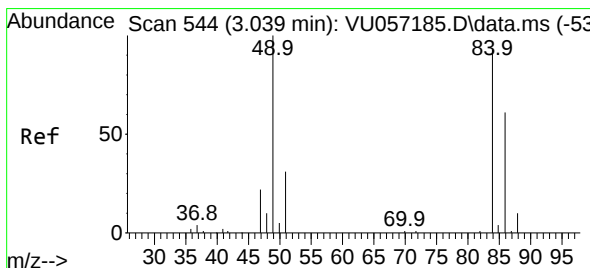
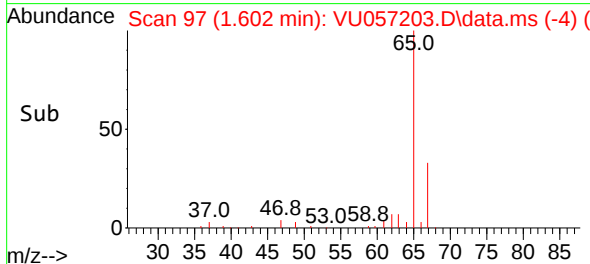
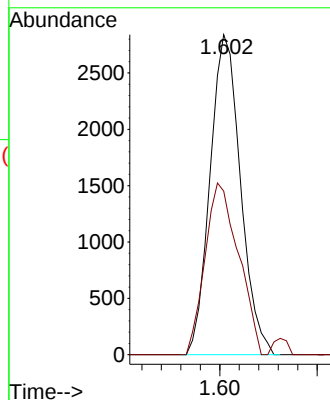
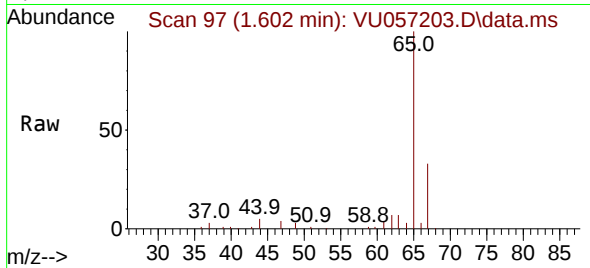




#5
 Vinyl chloride
 Concen: 0.221 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU057203.D
 Acq: 22 Dec 2023 20:35

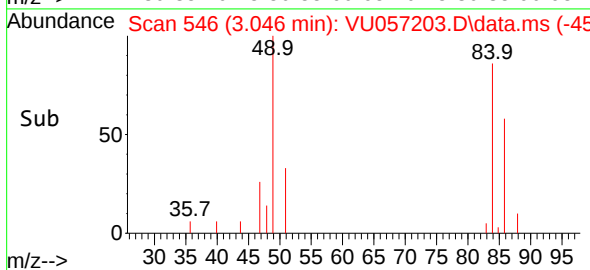
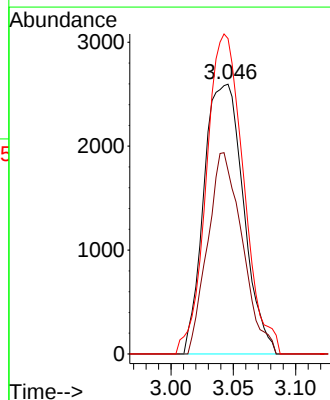
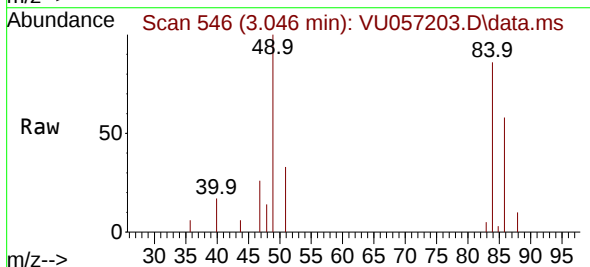
Instrument :
 MSVOA_U
 ClientSampleId :
 BH3L7DL

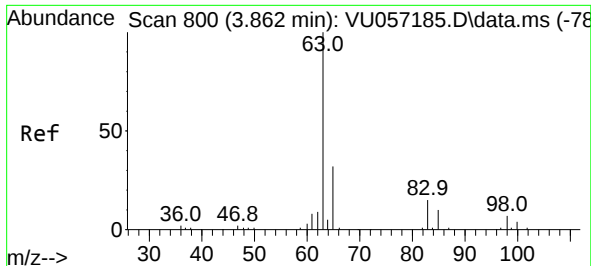
Tgt Ion: 62 Resp: 3082
 Ion Ratio Lower Upper
 62 100
 64 51.1 23.3 43.3#



#16
 Methylene chloride
 Concen: 0.413 ug/L
 RT: 3.046 min Scan# 546
 Delta R.T. 0.006 min
 Lab File: VU057203.D
 Acq: 22 Dec 2023 20:35

Tgt Ion: 84 Resp: 5726
 Ion Ratio Lower Upper
 84 100
 86 68.0 44.7 82.9
 49 116.9 76.0 141.2





#19

1,1-Dichloroethane

Concen: 1.320 ug/L

RT: 3.866 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU057203.D

Acq: 22 Dec 2023 20:35

Instrument :

MSVOA_U

ClientSampleId :

BH3L7DL

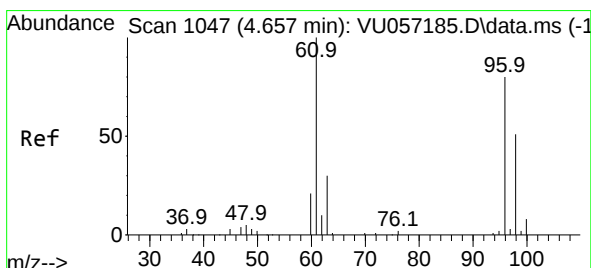
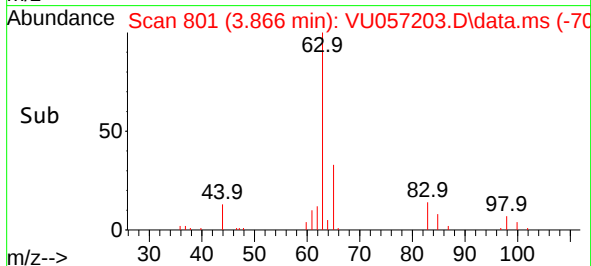
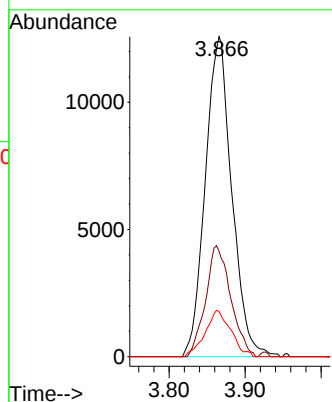
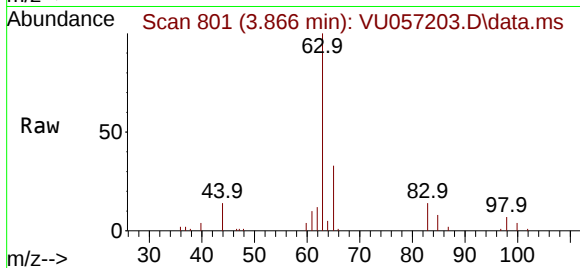
Tgt Ion: 63 Resp: 30468

Ion Ratio Lower Upper

63 100

65 32.9 21.6 40.2

83 14.1 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 3.581 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VU057203.D

Acq: 22 Dec 2023 20:35

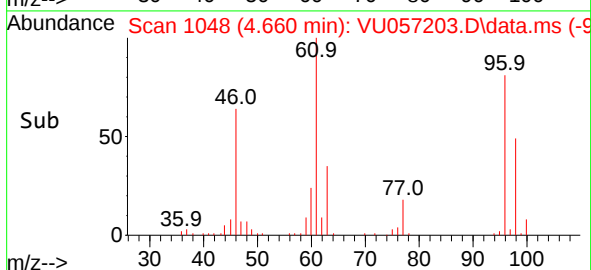
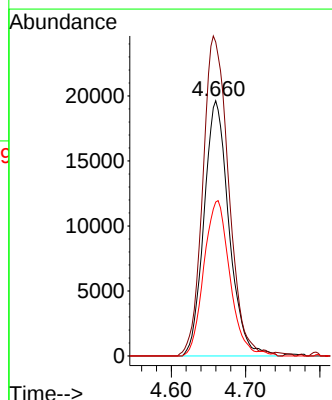
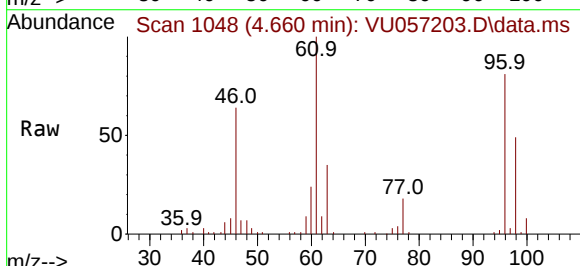
Tgt Ion: 96 Resp: 45861

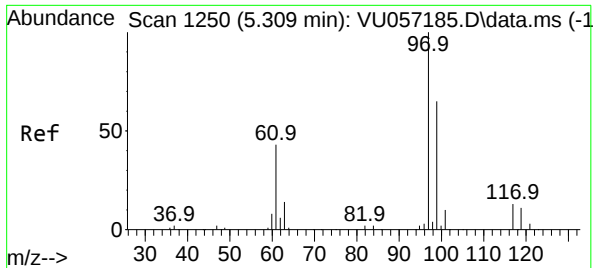
Ion Ratio Lower Upper

96 100

61 123.0 86.8 161.2

98 60.3 45.5 84.5

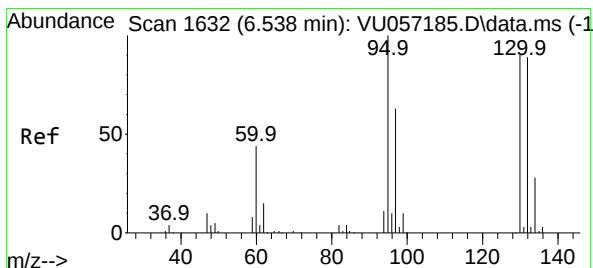
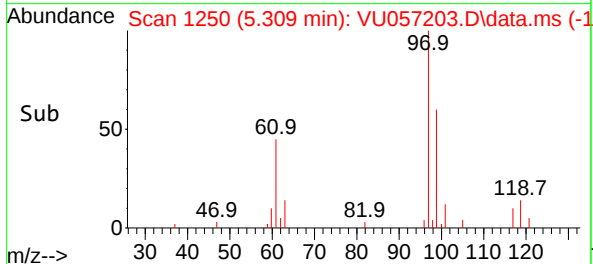
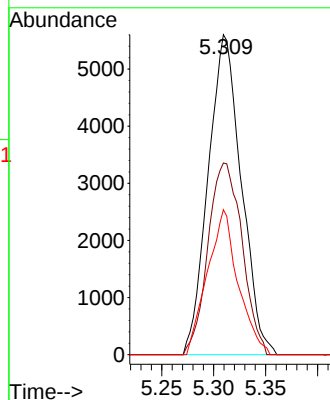
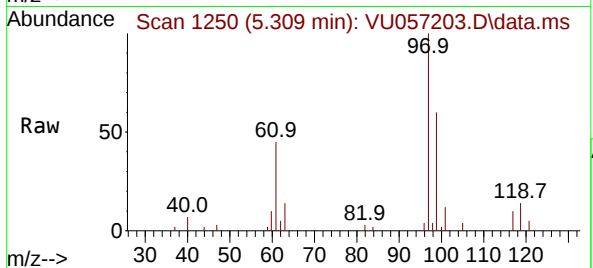




#29
1,1,1-Trichloroethane
Concen: 0.497 ug/L
RT: 5.309 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU057203.D
Acq: 22 Dec 2023 20:35

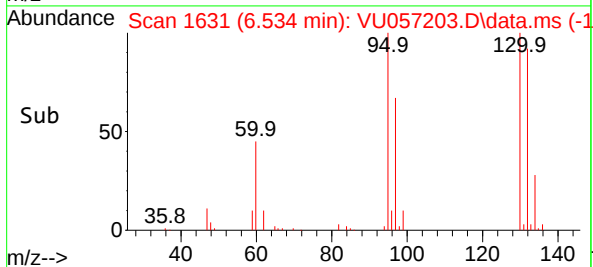
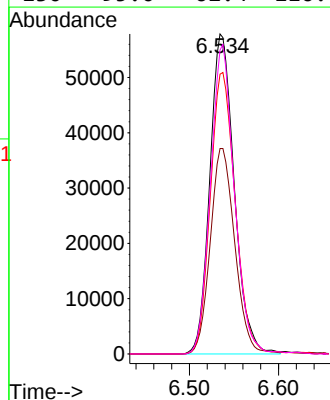
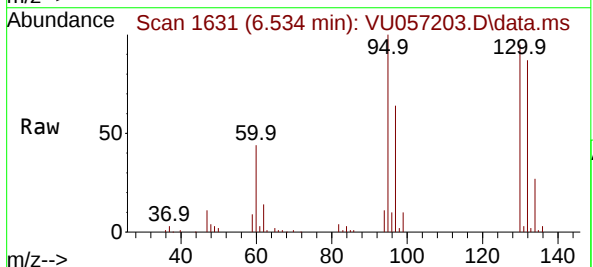
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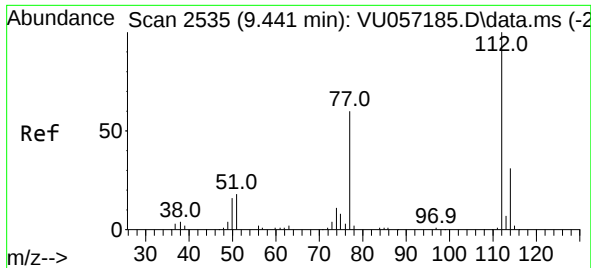
Tgt Ion:	97	Resp:	12422
Ion	Ratio	Lower	Upper
97	100		
99	61.6	51.2	76.8
61	42.1	32.5	48.7



#34
Trichloroethene
Concen: 7.542 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
Lab File: VU057203.D
Acq: 22 Dec 2023 20:35

Tgt Ion:	95	Resp:	109965
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.3	82.3
132	87.4	62.6	116.2
130	95.0	62.4	116.0

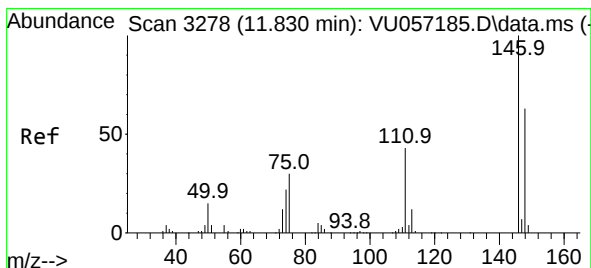
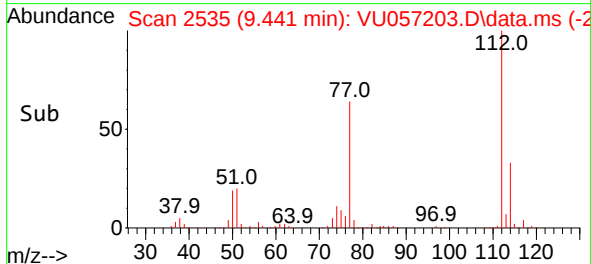
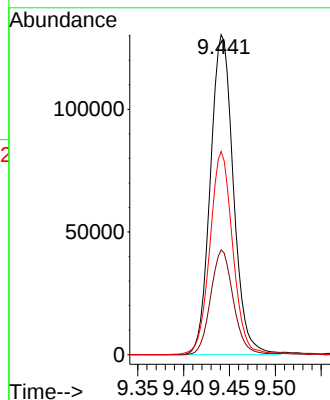
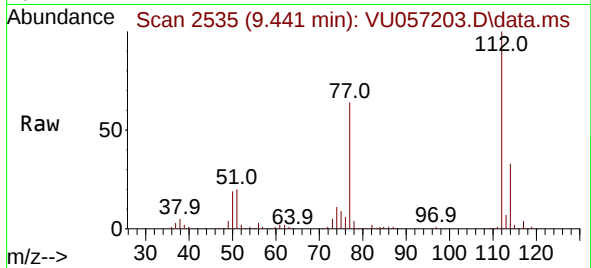




#51
Chlorobenzene
Concen: 6.632 ug/L
RT: 9.441 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057203.D
Acq: 22 Dec 2023 20:35

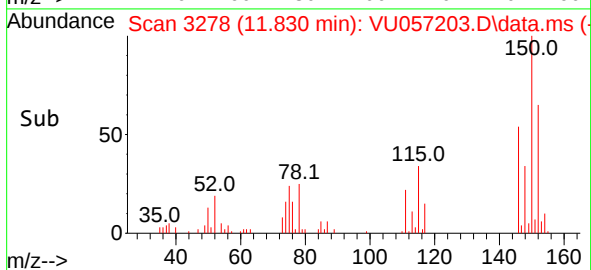
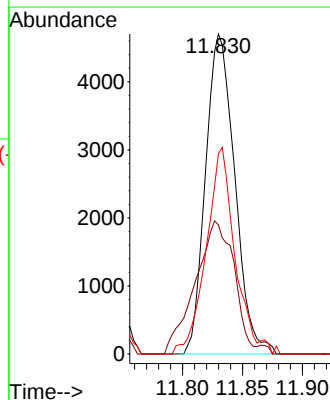
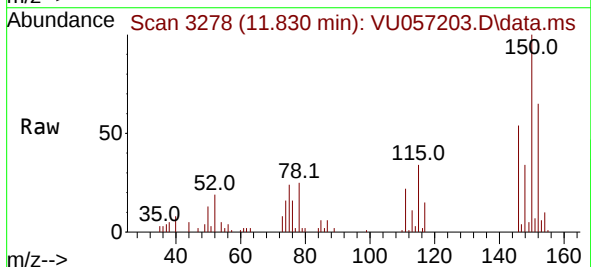
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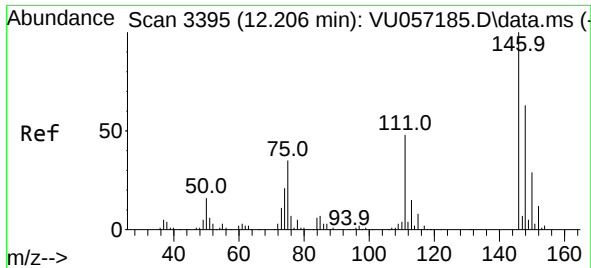
Tgt Ion:112 Resp: 228080
Ion Ratio Lower Upper
112 100
114 32.7 22.7 42.1
77 63.5 52.2 78.2



#65
1,4-Dichlorobenzene
Concen: 0.325 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU057203.D
Acq: 22 Dec 2023 20:35

Tgt Ion:146 Resp: 7972
Ion Ratio Lower Upper
146 100
111 40.3 28.1 52.3
148 62.6 43.0 79.8





#67
 1,2-Dichlorobenzene
 Concen: 0.321 ug/L
 RT: 12.206 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU057203.D
 Acq: 22 Dec 2023 20:35

Instrument :
 MSVOA_U
 ClientSampleId :
 BH3L7DL

Tgt Ion:	146	Resp:	6994
Ion	Ratio	Lower	Upper
146	100		
111	54.1	37.9	56.9
148	67.0	50.1	75.1

