

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090523\
 Data File : VU055109.D
 Acq On : 05 Sep 2023 21:47
 Operator : MD/SY
 Sample : 04230-17
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4B4

Quant Time: Sep 06 05:24:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 05:03:37 2023
 Response via : Initial Calibration

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

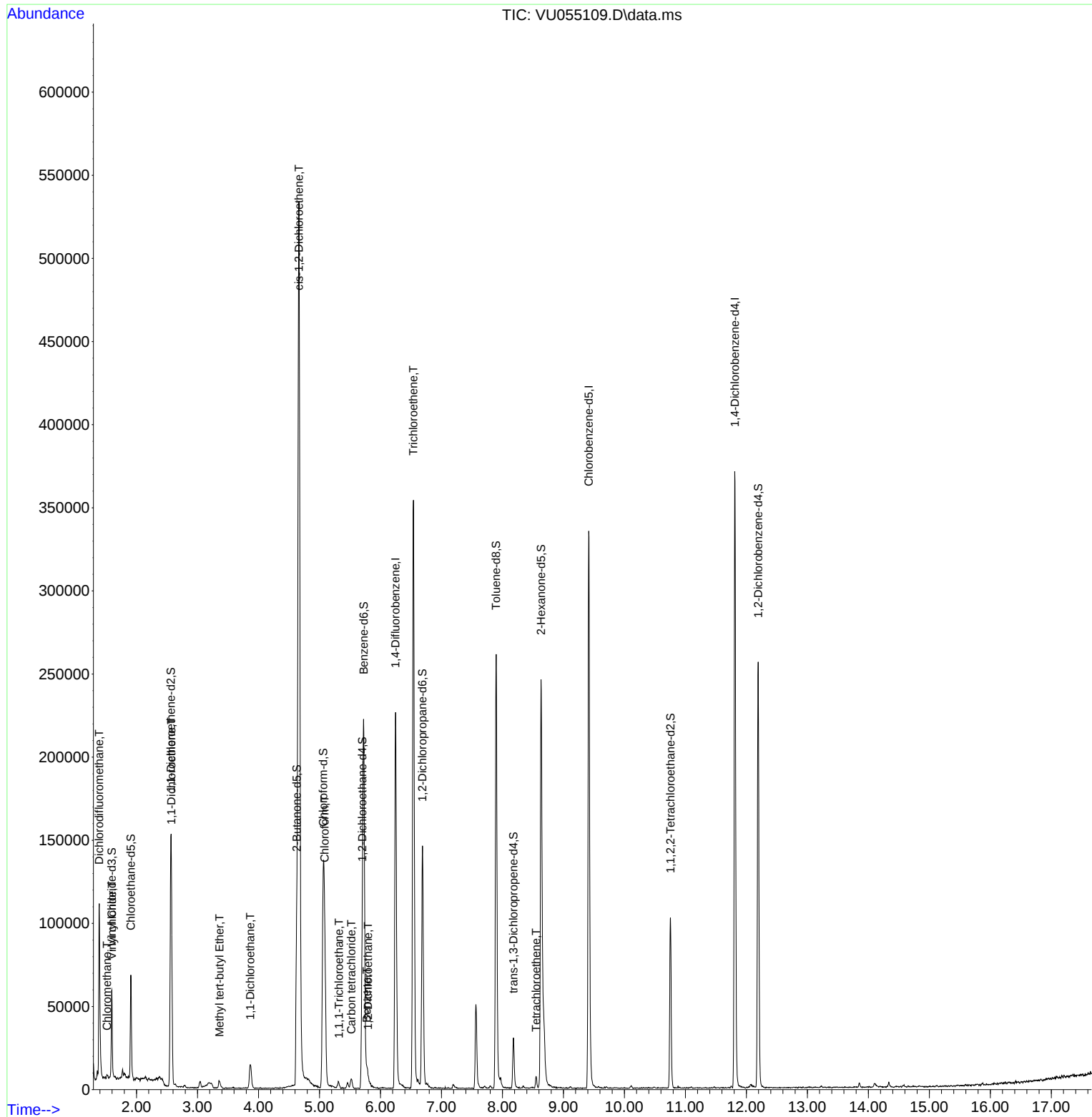
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	180039	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	184147	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	95433	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	34342	4.070	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.400%
7) Chloroethane-d5	1.907	69	43823	4.487	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.800%
11) 1,1-Dichloroethene-d2	2.563	65	20917	4.351	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.000%
20) 2-Butanone-d5	4.628	46	129872	53.038	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.080%
24) Chloroform-d	5.062	84	106329	4.749	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
26) 1,2-Dichloroethane-d4	5.701	65	55096	4.918	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	5.724	84	205471	4.520	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.689	67	67812	4.690	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.897	98	176632	4.218	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
43) trans-1,3-Dichloroprop...	8.180	79	17128	4.302	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.000%
46) 2-Hexanone-d5	8.634	63	79435	49.144	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.280%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	50067	4.924	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	66025	4.740	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.386	85	2910	0.278	ug/L	94
3) Chloromethane	1.518	50	1834	0.172	ug/L	96
5) Vinyl chloride	1.599	62	2072	0.184	ug/L #	82
12) 1,1-Dichloroethene	2.573	96	22738	2.732	ug/L #	62
17) Methyl tert-butyl Ether	3.361	73	2981	0.137	ug/L #	89
19) 1,1-Dichloroethane	3.865	63	17326	0.949	ug/L #	94
22) cis-1,2-Dichloroethene	4.663	96	264237	25.561	ug/L	99
25) Chloroform	5.084	83	70543	3.711	ug/L	93
27) 1,2-Dichloroethane	5.795	62	2314	0.199	ug/L #	91
29) 1,1,1-Trichloroethane	5.319	97	2821	0.177	ug/L #	80
31) Carbon tetrachloride	5.521	117	3913	0.295	ug/L	88
33) Benzene	5.779	78	8371	0.214	ug/L	100
34) Trichloroethene	6.541	95	122139	11.213	ug/L	98
47) Tetrachloroethene	8.553	164	1424	0.189	ug/L	87

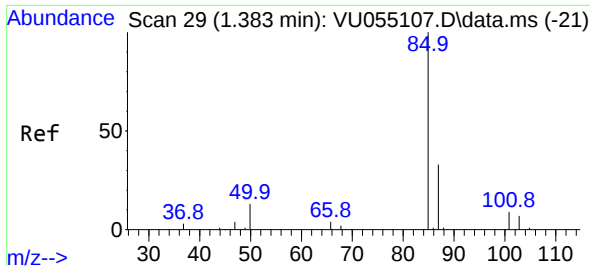
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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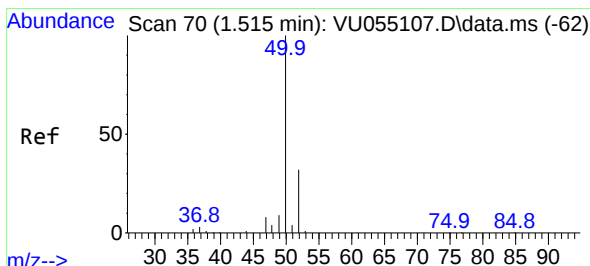
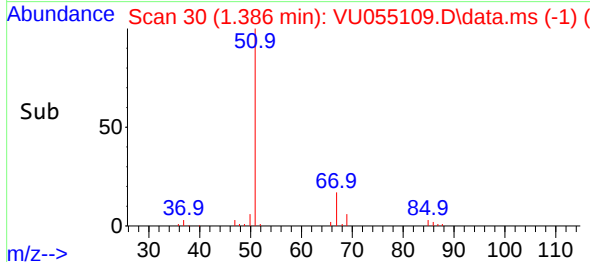
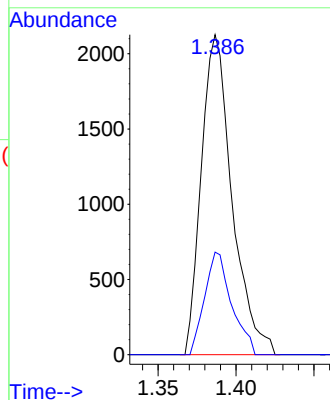
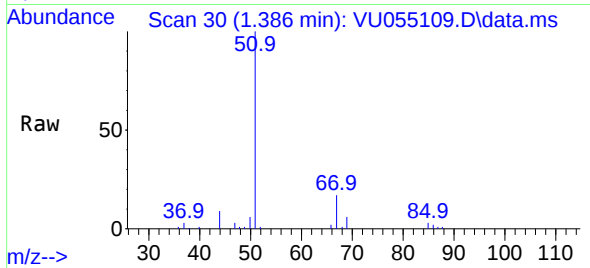




#2
Dichlorodifluoromethane
Concen: 0.278 ug/L
RT: 1.386 min Scan# 30
Delta R.T. 0.003 min
Lab File: VU055109.D
Acq: 05 Sep 2023 21:47

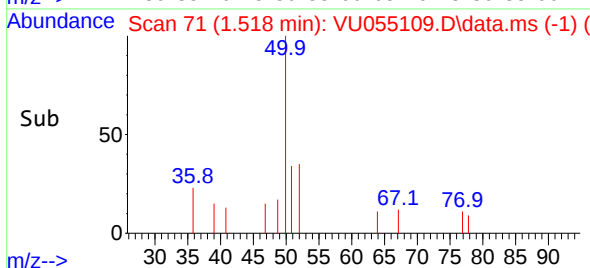
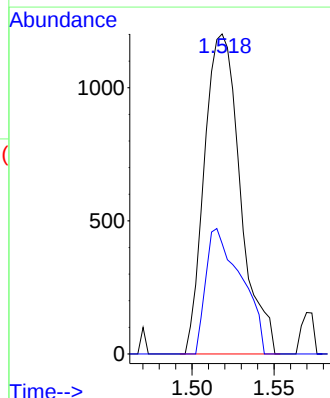
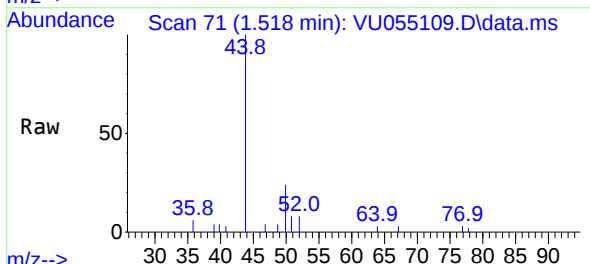
Instrument :
MSVOA_U
ClientSampleId :
BH4B4

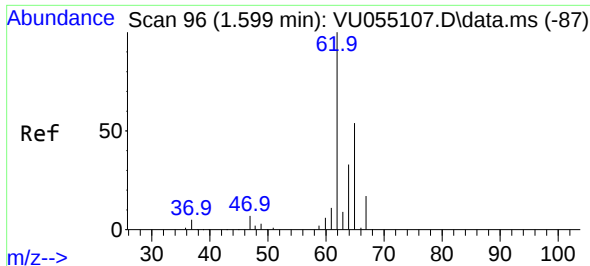
Tgt Ion: 85 Resp: 2910
Ion Ratio Lower Upper
85 100
87 28.1 25.1 37.7



#3
Chloromethane
Concen: 0.172 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU055109.D
Acq: 05 Sep 2023 21:47

Tgt Ion: 50 Resp: 1834
Ion Ratio Lower Upper
50 100
52 34.5 22.5 41.7

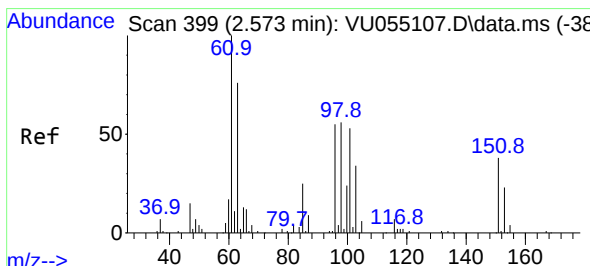
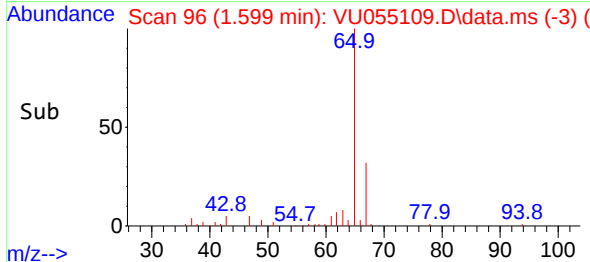
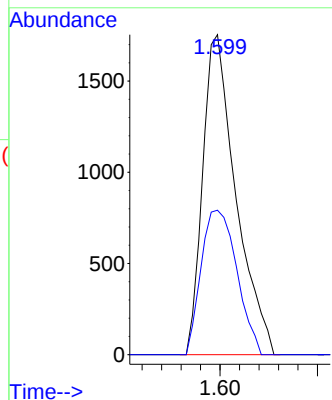
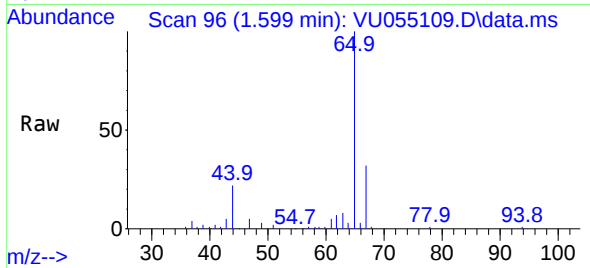




#5
 Vinyl chloride
 Concen: 0.184 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU055109.D
 Acq: 05 Sep 2023 21:47

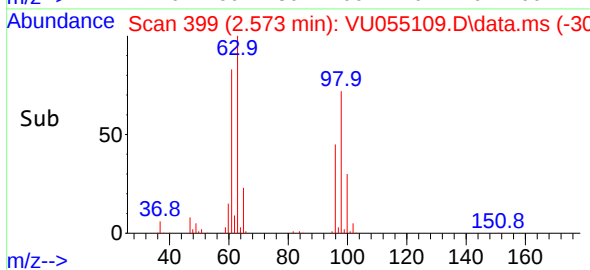
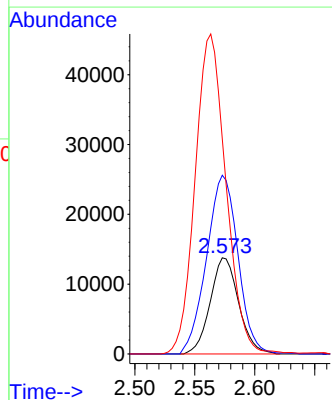
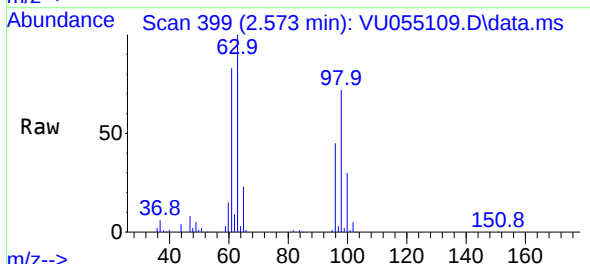
Instrument :
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 ClientSampleId :
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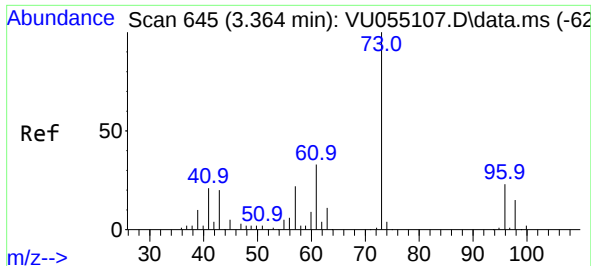
Tgt Ion: 62 Resp: 2072
 Ion Ratio Lower Upper
 62 100
 64 45.2 24.2 45.0#



#12
 1,1-Dichloroethene
 Concen: 2.732 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU055109.D
 Acq: 05 Sep 2023 21:47

Tgt Ion: 96 Resp: 22738
 Ion Ratio Lower Upper
 96 100
 61 185.8 120.8 224.4
 63 223.8 94.5 175.5#

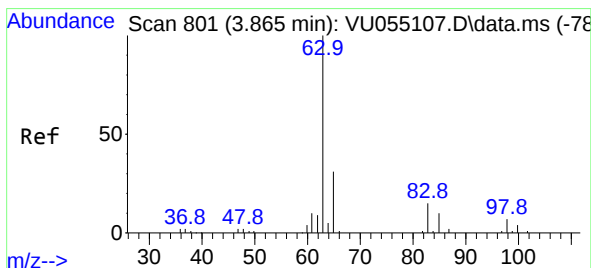
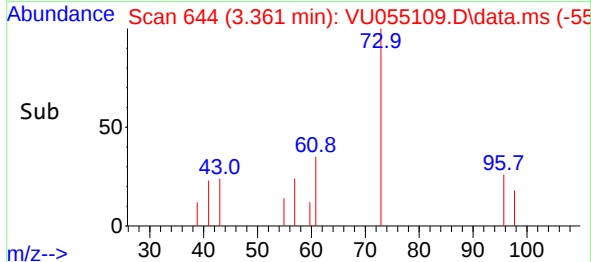
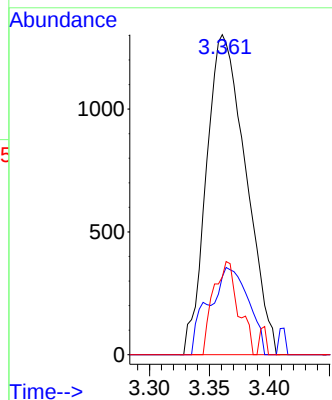
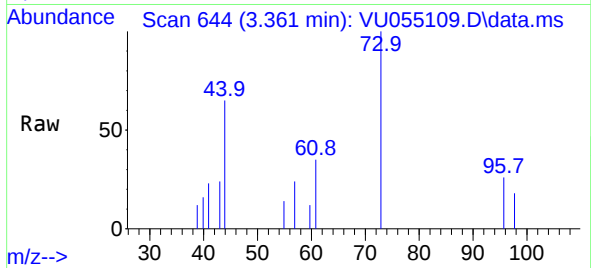




#17
Methyl tert-butyl Ether
Concen: 0.137 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.003 min
Lab File: VU055109.D
Acq: 05 Sep 2023 21:47

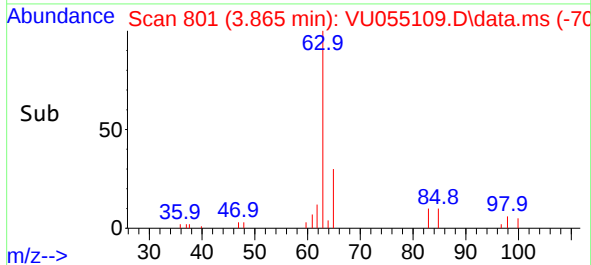
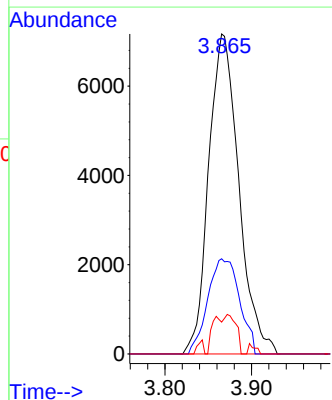
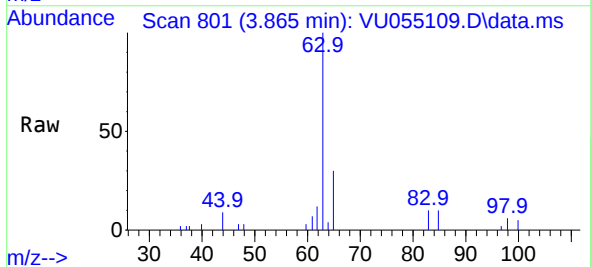
Instrument :
MSVOA_U
ClientSampleId :
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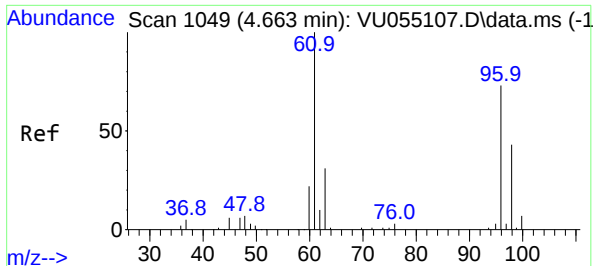
Tgt Ion: 73 Resp: 2981
Ion Ratio Lower Upper
73 100
43 27.4 16.2 24.2#
57 18.4 17.4 26.2



#19
1,1-Dichloroethane
Concen: 0.949 ug/L
RT: 3.865 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU055109.D
Acq: 05 Sep 2023 21:47

Tgt Ion: 63 Resp: 17326
Ion Ratio Lower Upper
63 100
65 29.8 22.2 41.2
83 9.9 10.6 19.8#

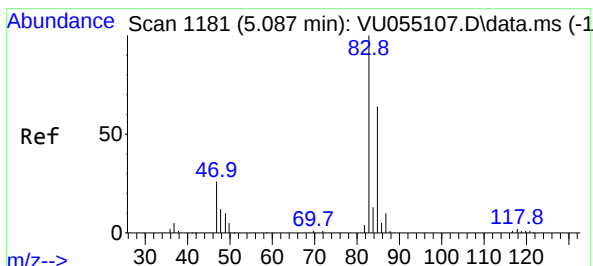
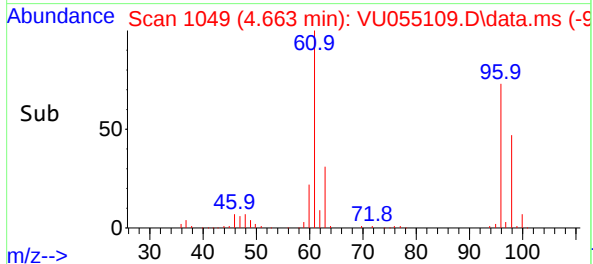
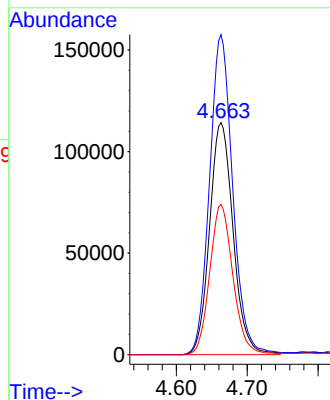
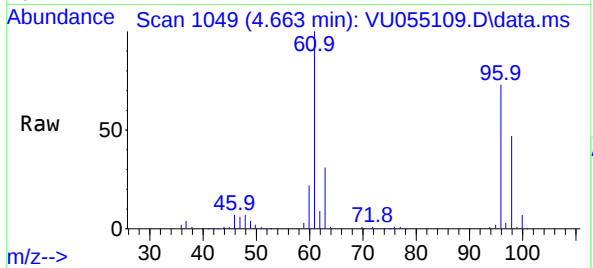




#22
cis-1,2-Dichloroethene
Concen: 25.561 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU055109.D
Acq: 05 Sep 2023 21:47

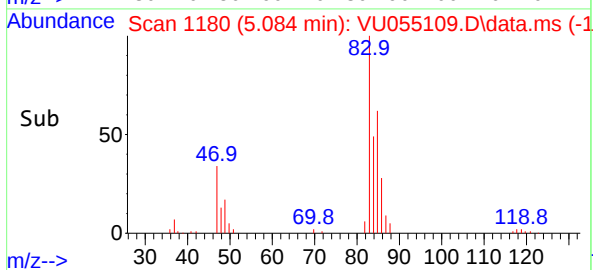
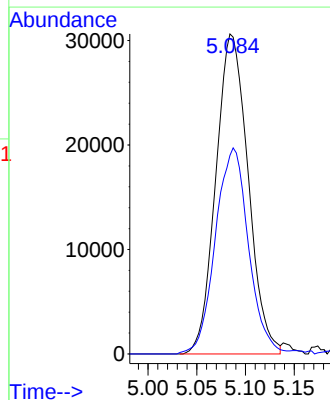
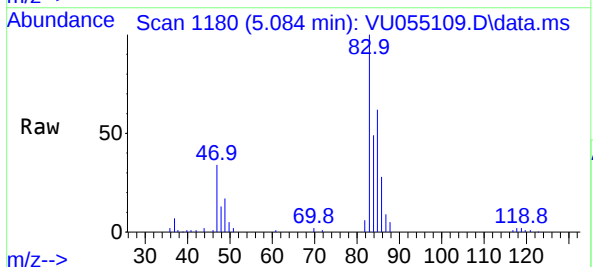
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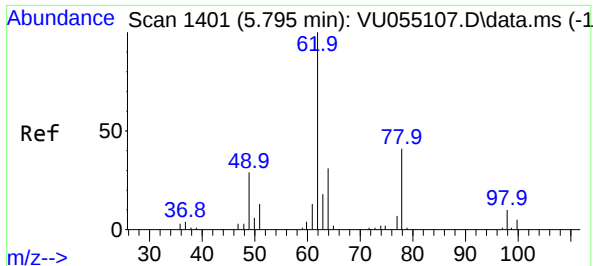
Tgt Ion: 96 Resp: 264237
Ion Ratio Lower Upper
96 100
61 137.8 97.2 180.4
98 64.7 46.1 85.7



#25
Chloroform
Concen: 3.711 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. -0.003 min
Lab File: VU055109.D
Acq: 05 Sep 2023 21:47

Tgt Ion: 83 Resp: 70543
Ion Ratio Lower Upper
83 100
85 62.0 47.2 87.6

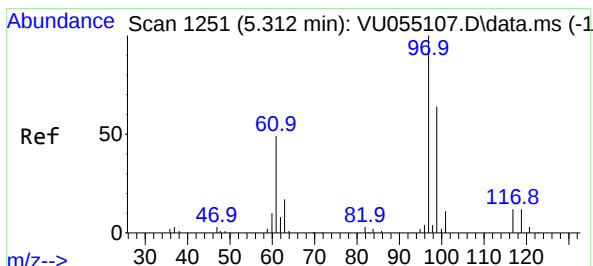
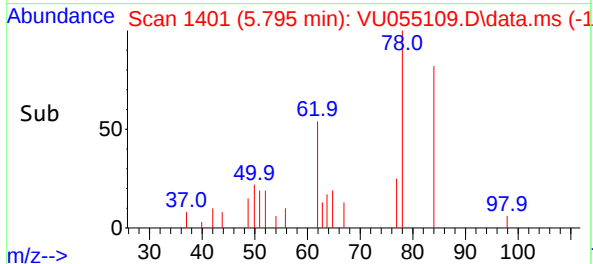
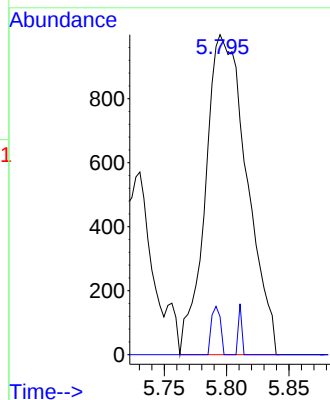
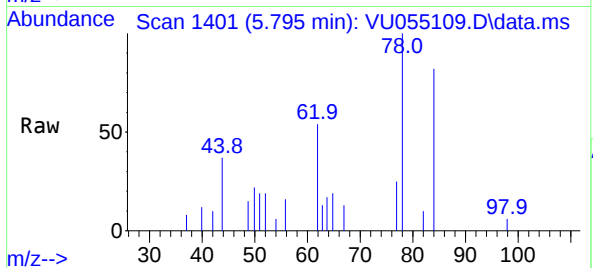




#27
1,2-Dichloroethane
Concen: 0.199 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.000 min
Lab File: VU055109.D
Acq: 05 Sep 2023 21:47

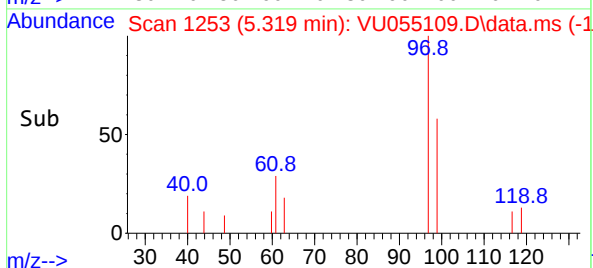
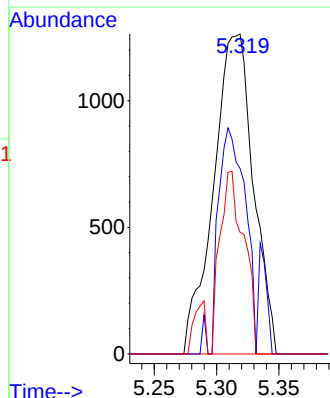
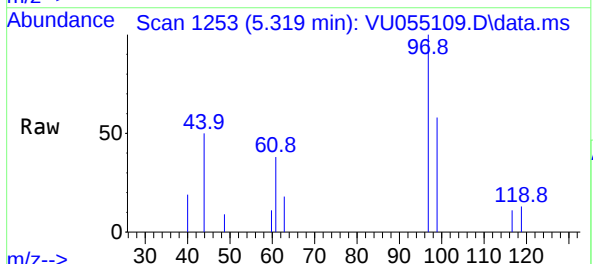
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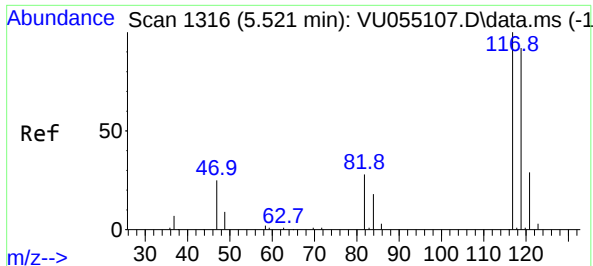
Tgt Ion: 62 Resp: 2314
Ion Ratio Lower Upper
62 100
98 11.9 6.9 10.3#



#29
1,1,1-Trichloroethane
Concen: 0.177 ug/L
RT: 5.319 min Scan# 1253
Delta R.T. 0.007 min
Lab File: VU055109.D
Acq: 05 Sep 2023 21:47

Tgt Ion: 97 Resp: 2821
Ion Ratio Lower Upper
97 100
99 47.9 51.8 77.8#
61 34.4 36.8 55.2#

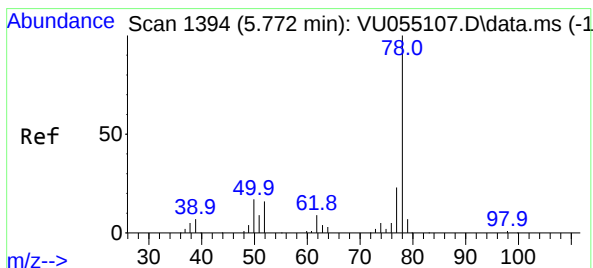
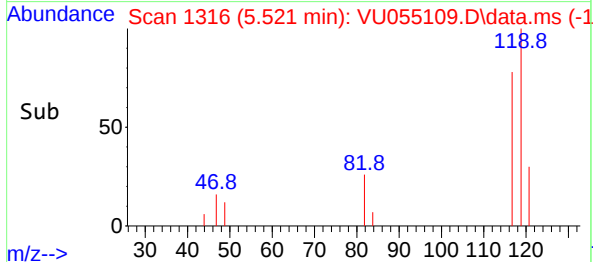
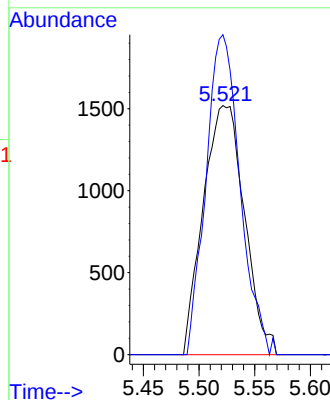
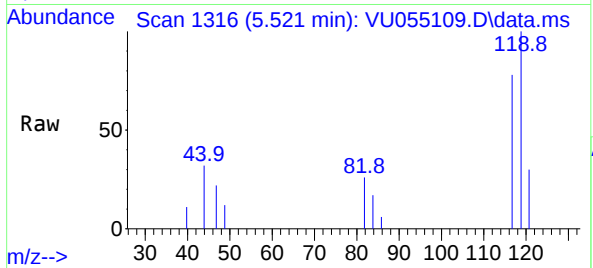




#31
Carbon tetrachloride
Concen: 0.295 ug/L
RT: 5.521 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU055109.D
Acq: 05 Sep 2023 21:47

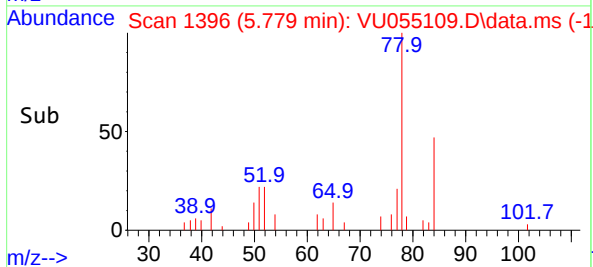
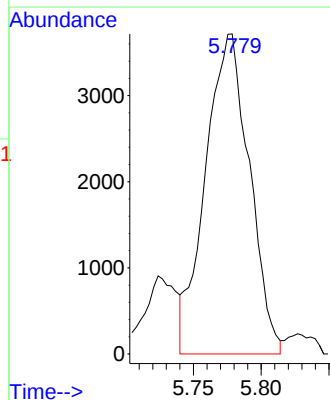
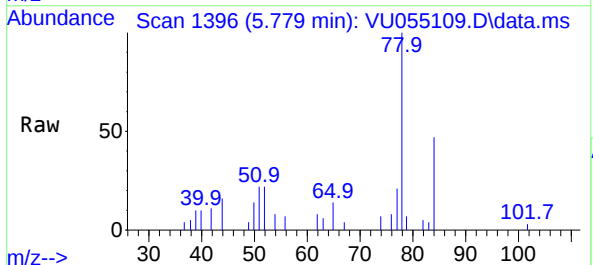
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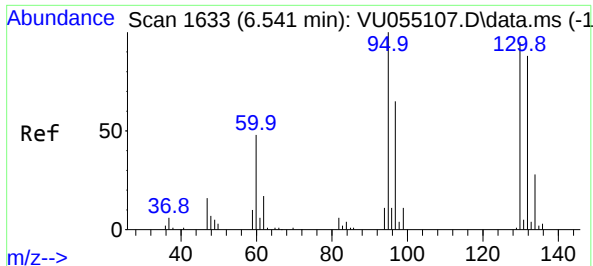
Tgt Ion:117 Resp: 3913
Ion Ratio Lower Upper
117 100
119 106.2 75.4 113.0



#33
Benzene
Concen: 0.214 ug/L
RT: 5.779 min Scan# 1396
Delta R.T. 0.007 min
Lab File: VU055109.D
Acq: 05 Sep 2023 21:47

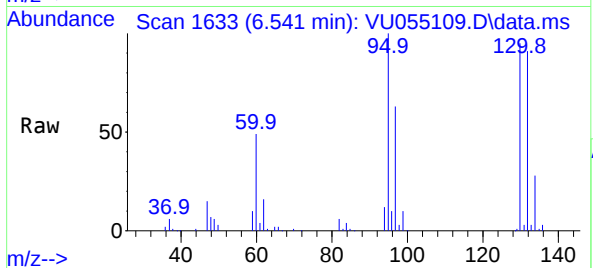
Tgt Ion: 78 Resp: 8371



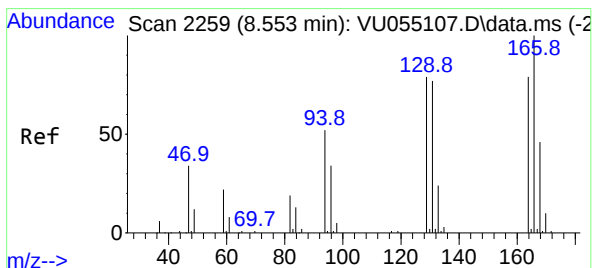
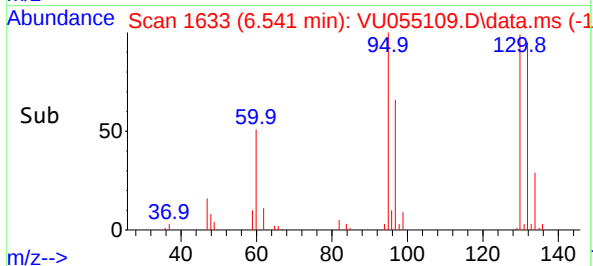
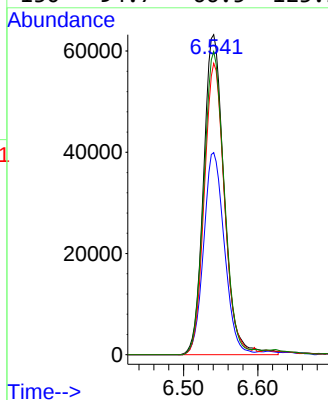


#34
Trichloroethene
Concen: 11.213 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055109.D
Acq: 05 Sep 2023 21:47

Instrument :
MSVOA_U
ClientSampleId :
BH4B4



Tgt Ion: 95 Resp: 122139
Ion Ratio Lower Upper
95 100
97 63.2 44.7 83.1
132 91.0 66.6 123.6
130 94.7 66.5 123.5



#47
Tetrachloroethene
Concen: 0.189 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. 0.000 min
Lab File: VU055109.D
Acq: 05 Sep 2023 21:47

Tgt Ion: 164 Resp: 1424
Ion Ratio Lower Upper
164 100
129 117.6 69.2 128.6
131 108.4 68.8 127.8
166 119.2 92.3 171.5

