

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102623\
 Data File : VU055900.D
 Acq On : 26 Oct 2023 12:42
 Operator : MD/SY
 Sample : 04952-05DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 27 02:50:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 27 02:48:43 2023
 Response via : Initial Calibration

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

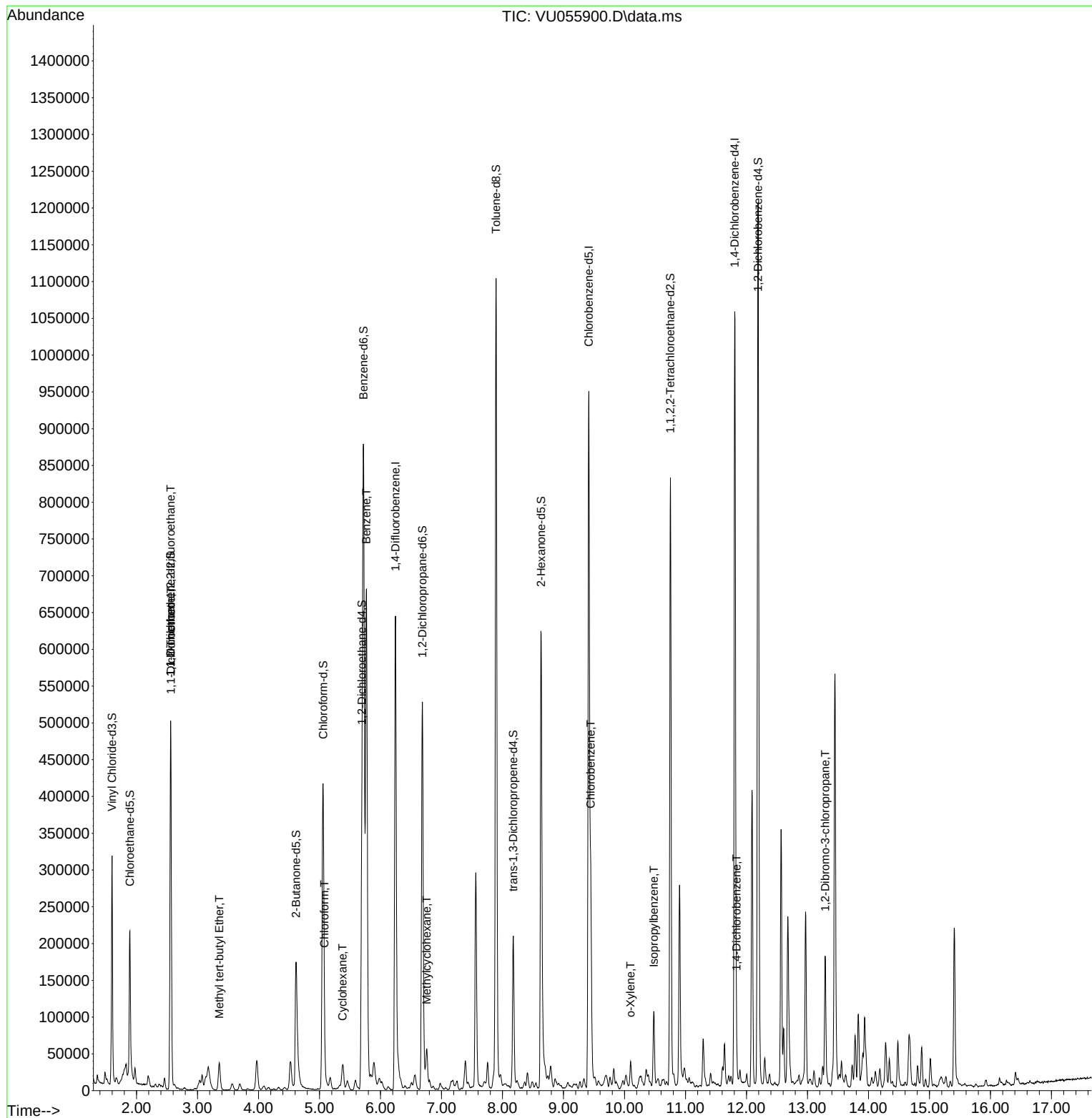
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	533854	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	532736	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	282964	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	219934	45.930	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.860%		
7) Chloroethane-d5	1.891	69	179335	45.817	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.640%		
11) 1,1-Dichloroethene-d2	2.560	63	300231	35.164	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.320%		
21) 2-Butanone-d5	4.615	46	258732	72.920	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	72.920%		
24) Chloroform-d	5.058	84	397868	43.341	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.680%		
26) 1,2-Dichloroethane-d4	5.695	65	259563	45.937	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.880%		
32) Benzene-d6	5.721	84	844226	49.529	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.060%		
36) 1,2-Dichloropropane-d6	6.685	67	263029	48.744	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.480%		
41) Toluene-d8	7.894	98	748902	48.658	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.320%		
43) trans-1,3-Dichloroprop...	8.177	79	121545	46.890	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.780%		
47) 2-Hexanone-d5	8.631	63	230318	108.571	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	108.570%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	413679	49.805	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.600%		
66) 1,2-Dichlorobenzene-d4	12.190	152	314749	56.052	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	112.100%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.560	101	2857	0.672	ug/L #	22
12) 1,1-Dichloroethene	2.563	96	2619	0.692	ug/L #	1
18) Methyl tert-butyl Ether	3.357	73	26182	2.104	ug/L #	58
25) Chloroform	5.081	83	11955	1.442	ug/L	91
29) Cyclohexane	5.377	56	9532	1.561	ug/L #	35
33) Benzene	5.769	78	671805	39.893	ug/L	100
35) Methylcyclohexane	6.759	83	21367	3.196	ug/L	91
51) Chlorobenzene	9.444	112	143269	12.461	ug/L	98
54) o-Xylene	10.100	106	8826	1.253	ug/L	92
61) Isopropylbenzene	10.483	105	63573	3.604	ug/L	99
65) 1,4-Dichlorobenzene	11.836	146	11938	1.332	ug/L	87
68) 1,2-Dibromo-3-chloropr...	13.290	75	1874	1.021	ug/L #	6

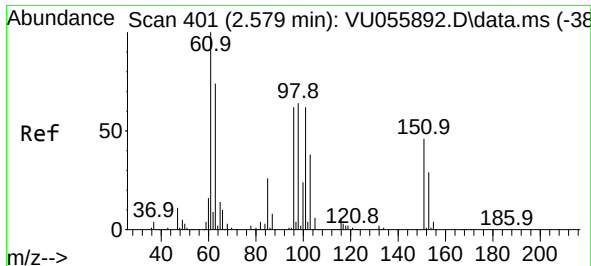
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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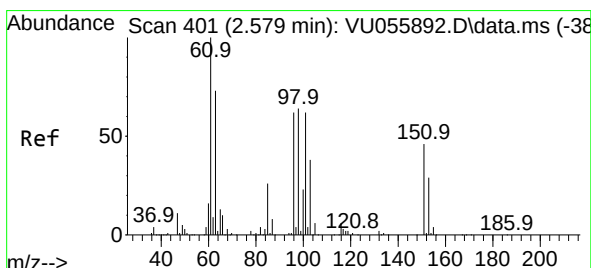
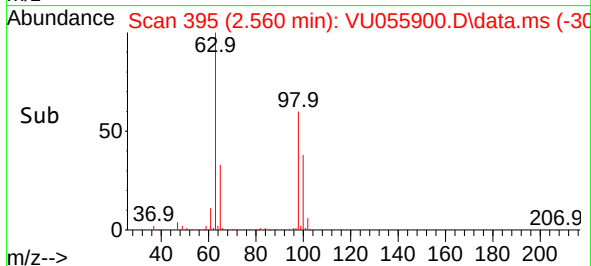
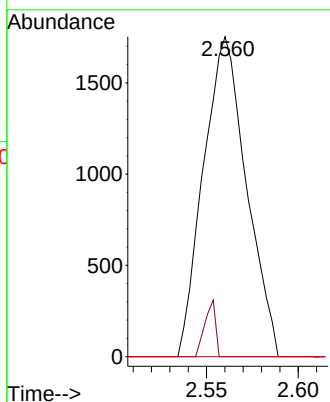
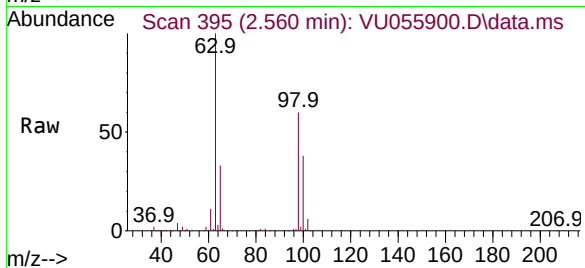




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.672 ug/L
 RT: 2.560 min Scan# 395
 Delta R.T. -0.019 min
 Lab File: VU055900.D
 Acq: 26 Oct 2023 12:42

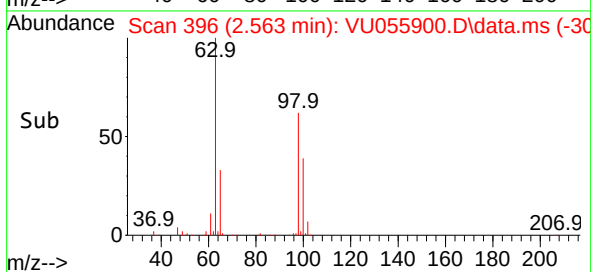
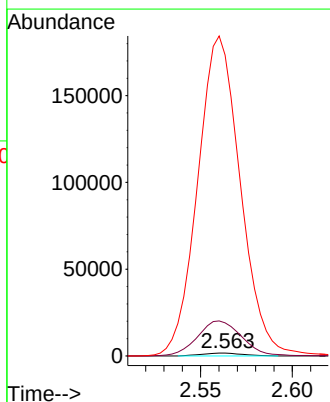
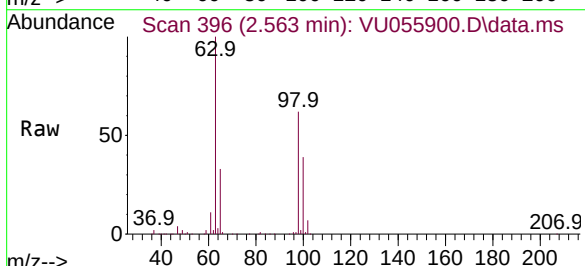
Instrument :
 MSVOA_U
 ClientSampleId :

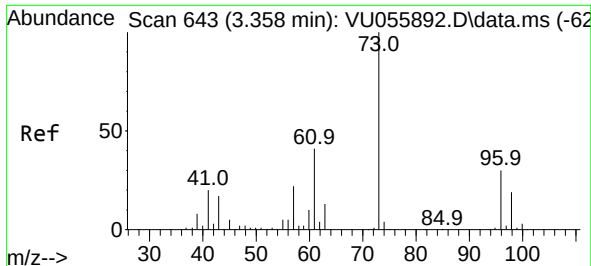
Tgt Ion:101 Resp: 2857
 Ion Ratio Lower Upper
 101 100
 85 4.4 37.1 55.7#
 151 0.0 58.2 87.4#



#12
 1,1-Dichloroethene
 Concen: 0.692 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.016 min
 Lab File: VU055900.D
 Acq: 26 Oct 2023 12:42

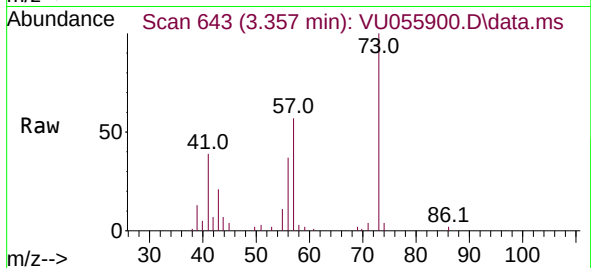
Tgt Ion: 96 Resp: 2619
 Ion Ratio Lower Upper
 96 100
 61 1139.5 122.0 226.6#
 63 10363.2 93.7 174.1#



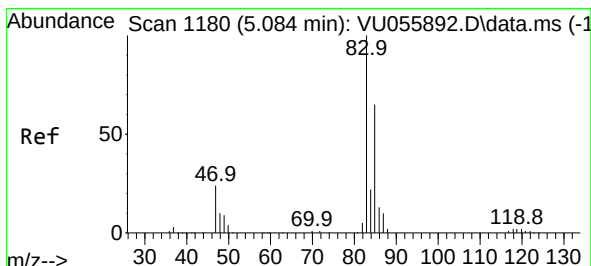
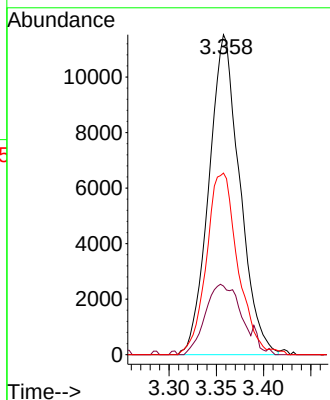
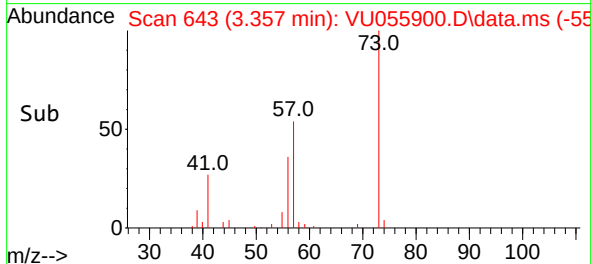


#18
Methyl tert-butyl Ether
Concen: 2.104 ug/L
RT: 3.357 min Scan# 64
Delta R.T. -0.000 min
Lab File: VU055900.D
Acq: 26 Oct 2023 12:42

Instrument :
MSVOA_U
ClientSampleId :

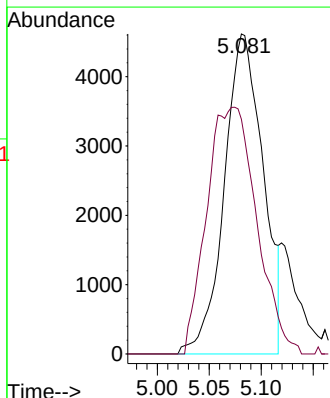
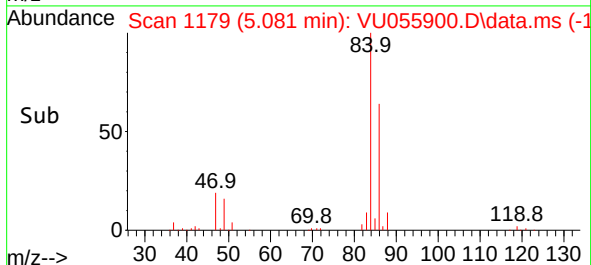
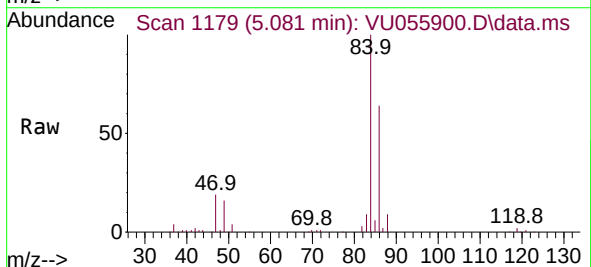


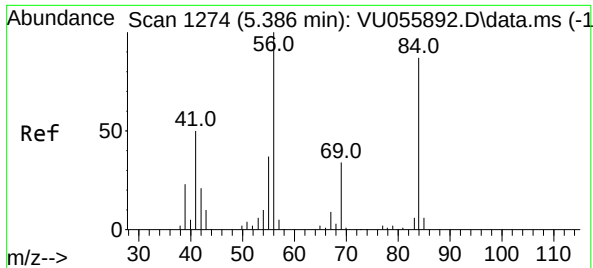
Tgt Ion: 73 Resp: 26182
Ion Ratio Lower Upper
73 100
43 17.0 15.4 23.2
57 57.2 17.7 26.5#



#25
Chloroform
Concen: 1.442 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. -0.003 min
Lab File: VU055900.D
Acq: 26 Oct 2023 12:42

Tgt Ion: 83 Resp: 11955
Ion Ratio Lower Upper
83 100
85 73.3 46.3 86.1





#29

Cyclohexane

Concen: 1.561 ug/L

RT: 5.377 min Scan# 1

Delta R.T. -0.010 min

Lab File: VU055900.D

Acq: 26 Oct 2023 12:42

Instrument :

MSVOA_U

ClientSampleId :

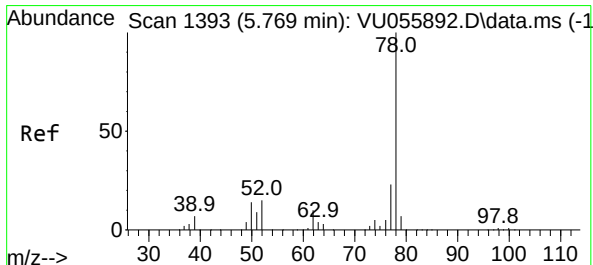
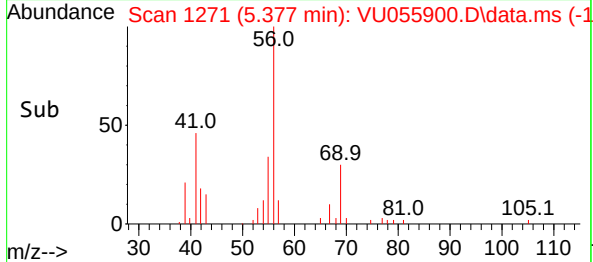
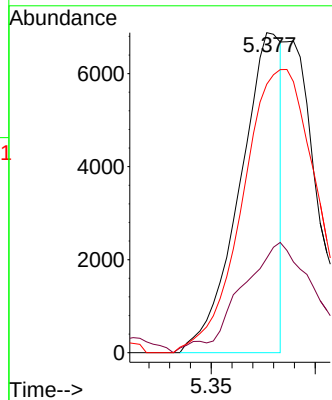
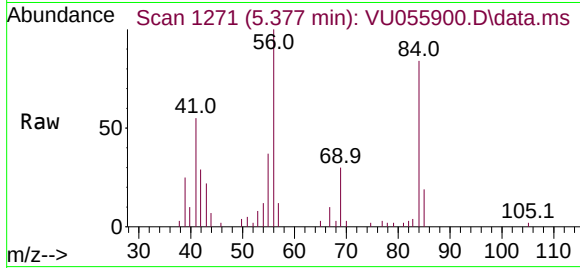
Tgt Ion: 56 Resp: 9532

Ion Ratio Lower Upper

56 100

69 48.8 24.9 37.3#

84 159.7 70.7 106.1#



#33

Benzene

Concen: 39.893 ug/L

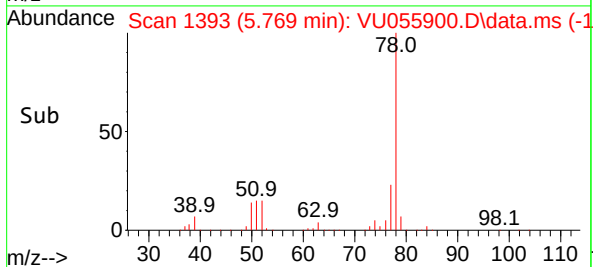
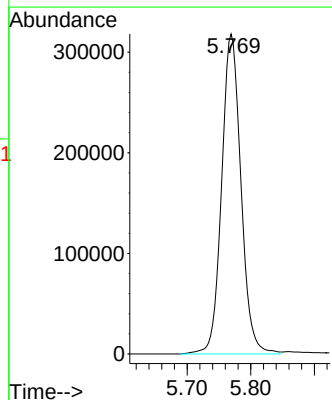
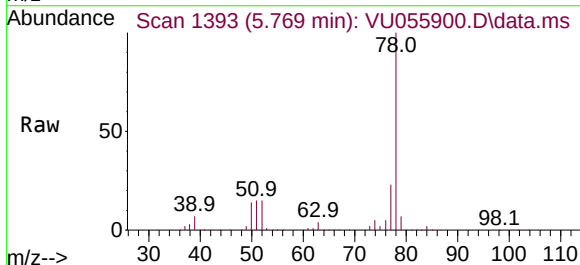
RT: 5.769 min Scan# 1393

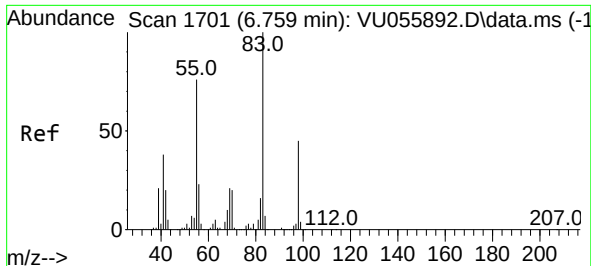
Delta R.T. -0.000 min

Lab File: VU055900.D

Acq: 26 Oct 2023 12:42

Tgt Ion: 78 Resp: 671805

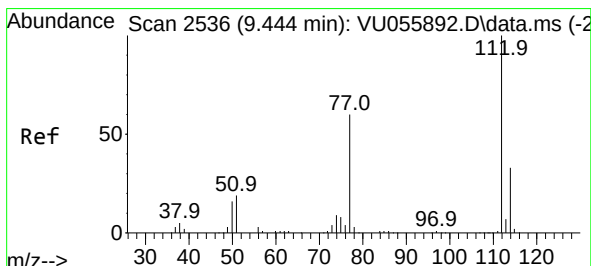
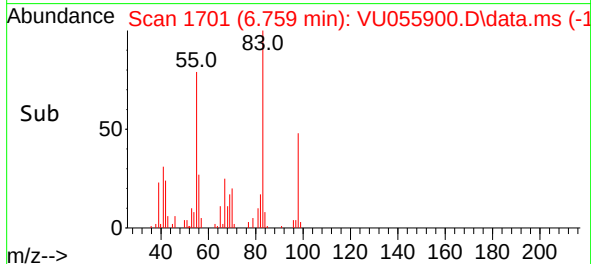
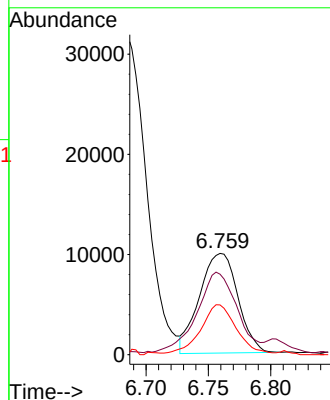
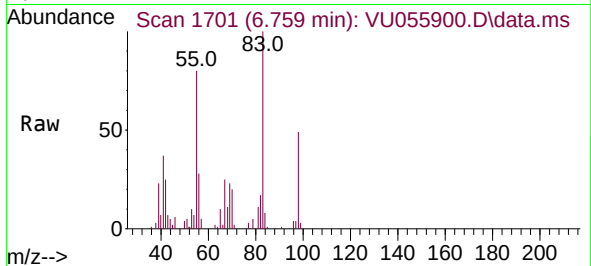




#35
Methylcyclohexane
Concen: 3.196 ug/L
RT: 6.759 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU055900.D
Acq: 26 Oct 2023 12:42

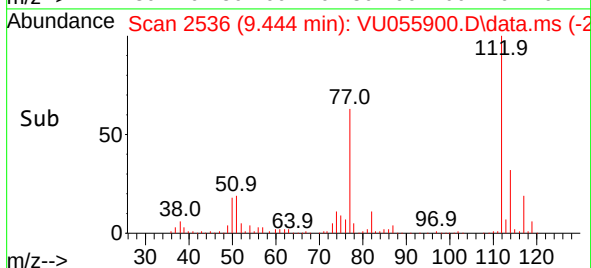
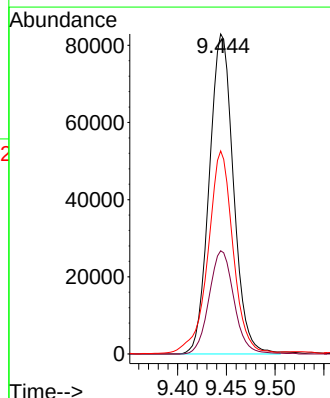
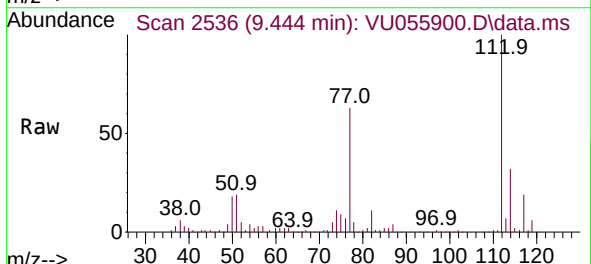
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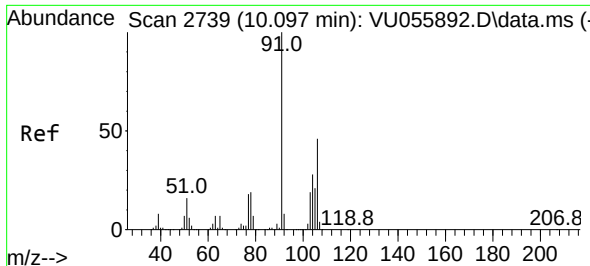
Tgt Ion:	83	Resp:	21367
Ion	Ratio	Lower	Upper
83	100		
55	86.6	61.2	91.8
98	47.0	35.8	53.6



#51
Chlorobenzene
Concen: 12.461 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU055900.D
Acq: 26 Oct 2023 12:42

Tgt Ion:	112	Resp:	143269
Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.0	40.8
77	63.5	49.0	73.6

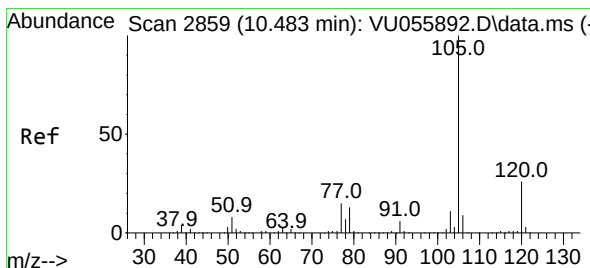
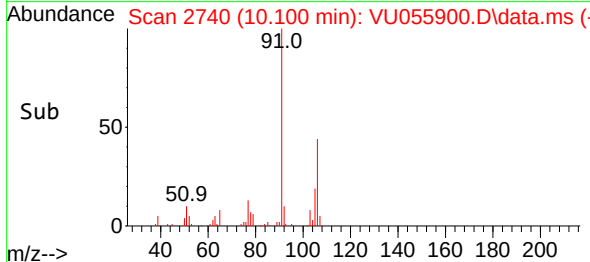
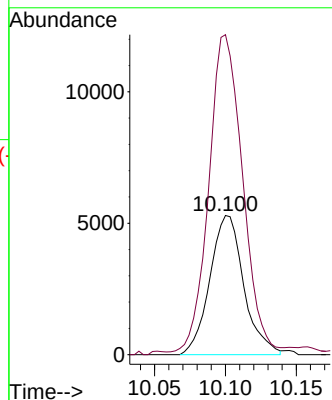
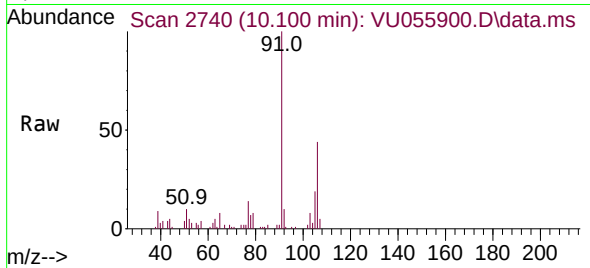




#54
o-Xylene
Concen: 1.253 ug/L
RT: 10.100 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU055900.D
Acq: 26 Oct 2023 12:42

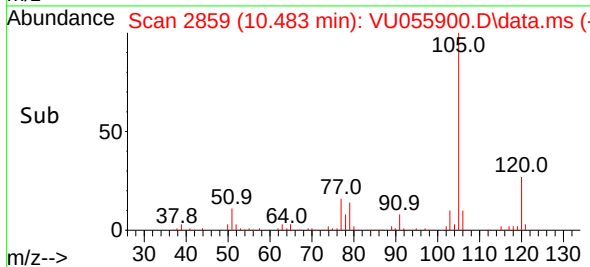
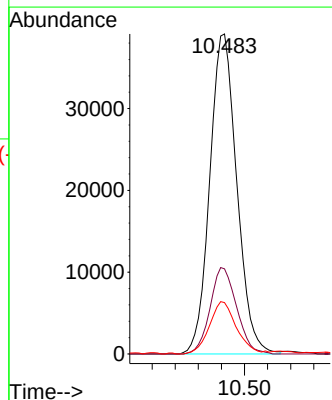
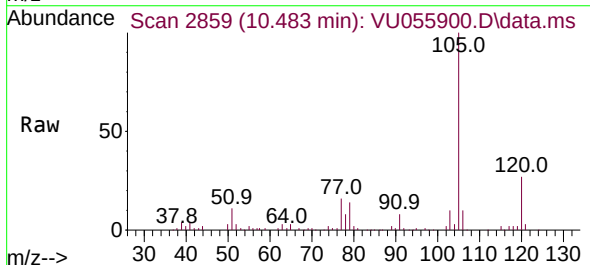
Instrument :
MSVOA_U
ClientSampleId :

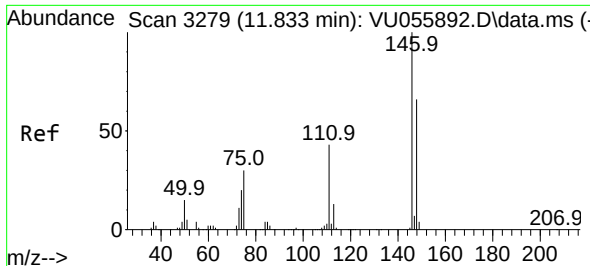
Tgt Ion:106 Resp: 8826
Ion Ratio Lower Upper
106 100
91 229.7 151.8 282.0



#61
Isopropylbenzene
Concen: 3.604 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU055900.D
Acq: 26 Oct 2023 12:42

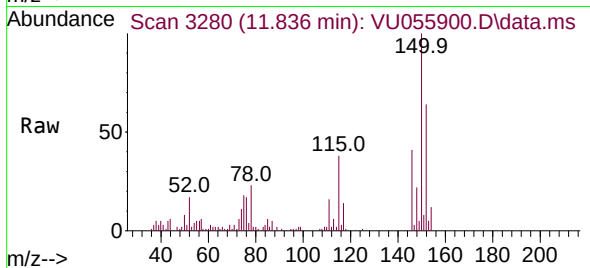
Tgt Ion:105 Resp: 63573
Ion Ratio Lower Upper
105 100
120 26.4 20.6 30.8
77 16.3 13.4 20.0



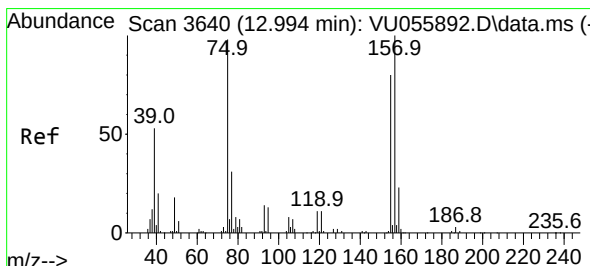
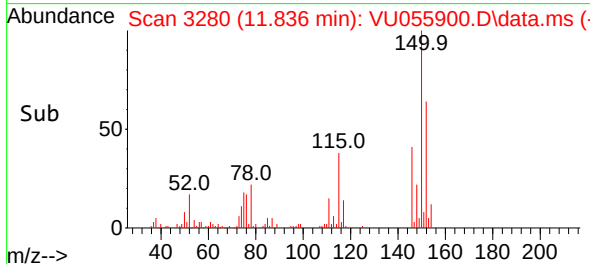
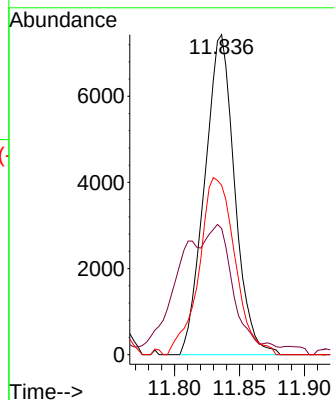


#65
1,4-Dichlorobenzene
Concen: 1.332 ug/L
RT: 11.836 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VU055900.D
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Tgt Ion:146 Resp: 11938
Ion Ratio Lower Upper
146 100
111 37.1 28.6 53.0
148 49.7 44.2 82.0



#68
1,2-Dibromo-3-chloropropane
Concen: 1.021 ug/L
RT: 13.290 min Scan# 3732
Delta R.T. 0.296 min
Lab File: VU055900.D
Acq: 26 Oct 2023 12:42

Tgt Ion: 75 Resp: 1874
Ion Ratio Lower Upper
75 100
155 0.0 59.6 89.4#
157 0.0 77.7 116.5#

