

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032023\
 Data File : VU053304.D
 Acq On : 20 Mar 2023 13:50
 Operator : JC/MD
 Sample : 01956-05DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E0288DL

Quant Time: Mar 21 01:30:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 21 01:25:41 2023
 Response via : Initial Calibration

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

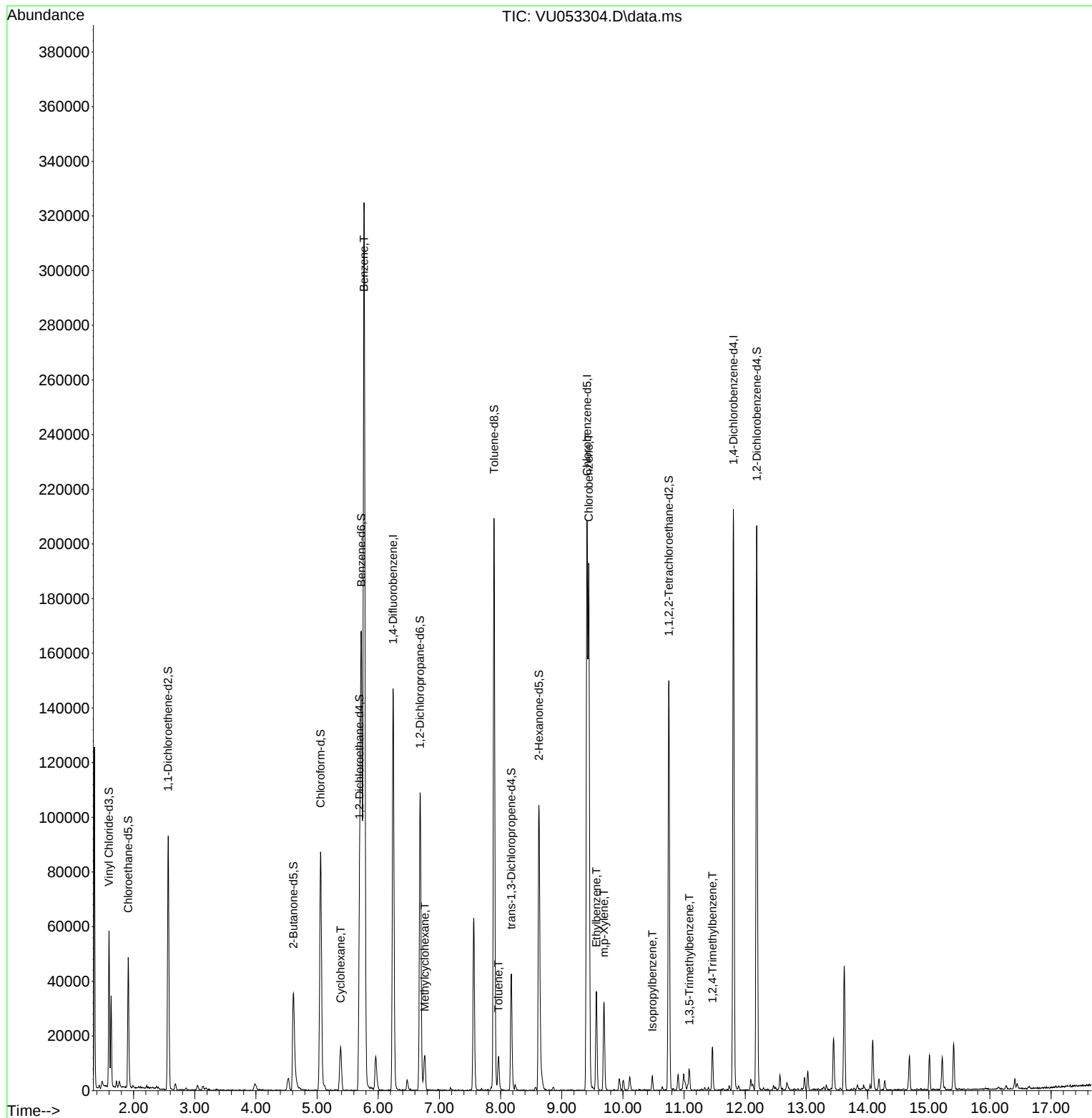
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	117690	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	106014	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	50543	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	38491	35.451	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	70.900%		
7) Chloroethane-d5	1.912	69	33642	38.306	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	76.620%		
11) 1,1-Dichloroethene-d2	2.565	63	53789	28.598	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	57.200%#		
21) 2-Butanone-d5	4.613	46	52823	104.895	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	104.900%		
24) Chloroform-d	5.057	84	75795	42.384	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.760%		
26) 1,2-Dichloroethane-d4	5.693	65	51828	46.666	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.340%		
32) Benzene-d6	5.722	84	155701	45.280	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.560%		
36) 1,2-Dichloropropane-d6	6.684	67	53069	47.819	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.640%		
41) Toluene-d8	7.893	98	140103	43.762	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.520%		
43) trans-1,3-Dichloroprop...	8.176	79	24847	45.378	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.760%		
47) 2-Hexanone-d5	8.626	63	39459	113.727	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	113.730%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	73183	50.905	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	101.800%		
66) 1,2-Dichlorobenzene-d4	12.188	152	47942	48.988	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.980%		
Target Compounds					Qvalue	
29) Cyclohexane	5.385	56	8624	5.459	ug/L	97
33) Benzene	5.767	78	311699	84.807	ug/L	100
35) Methylcyclohexane	6.761	83	5634	3.354	ug/L	96
42) Toluene	7.967	91	9597	2.429	ug/L	97
51) Chlorobenzene	9.443	112	95492	38.776	ug/L	97
52) Ethylbenzene	9.568	91	26600	5.936	ug/L	100
53) m,p-Xylene	9.690	106	9485	5.671	ug/L	91
61) Isopropylbenzene	10.481	105	3571	0.894	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	4954	1.499	ug/L	88
63) 1,2,4-Trimethylbenzene	11.462	105	9399	2.917	ug/L	96

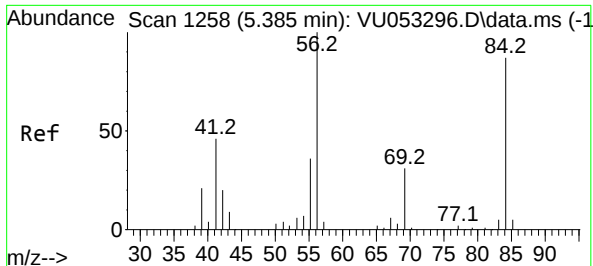
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#29

Cyclohexane

Concen: 5.459 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.001 min

Lab File: VU053304.D

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Instrument :

MSVOA_U

ClientSampleId :

E0288DL

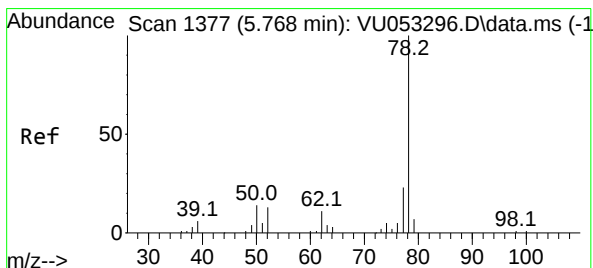
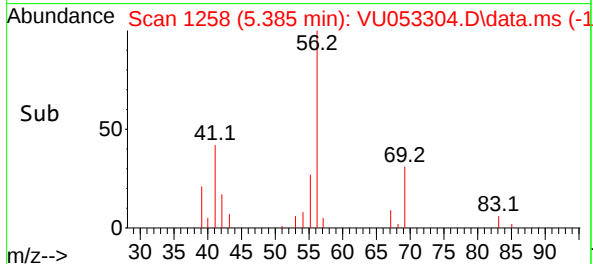
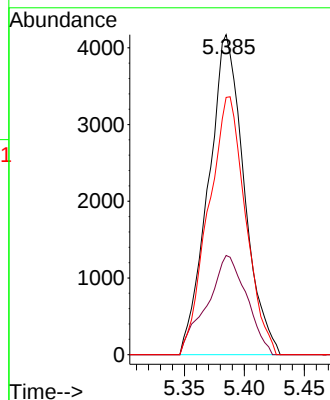
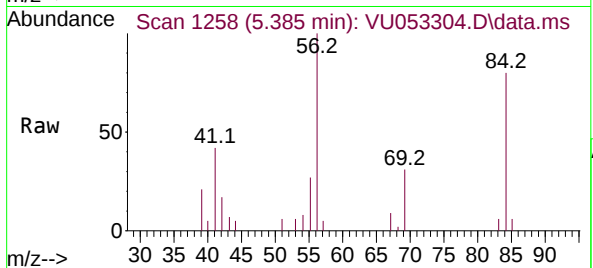
Tgt Ion: 56 Resp: 8624

Ion Ratio Lower Upper

56 100

69 34.3 25.4 38.0

84 83.8 69.0 103.6



#33

Benzene

Concen: 84.807 ug/L

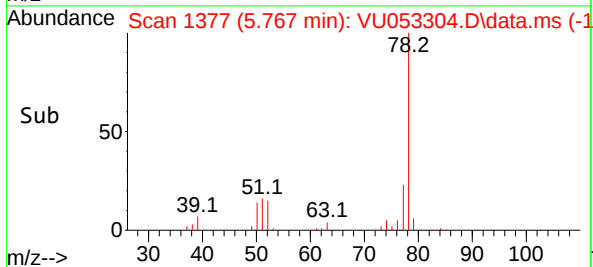
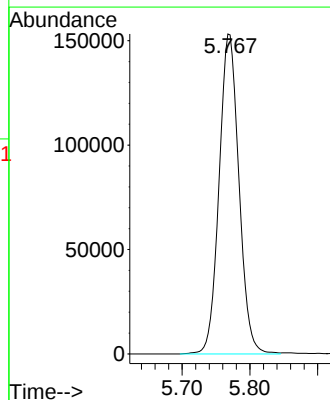
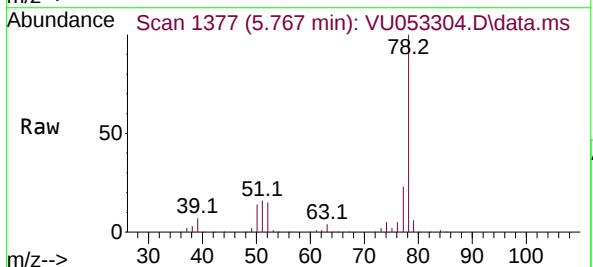
RT: 5.767 min Scan# 1377

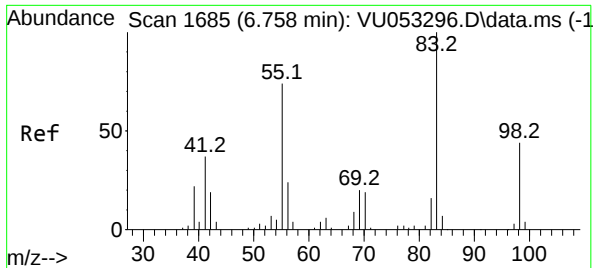
Delta R.T. -0.001 min

Lab File: VU053304.D

Acq: 20 Mar 2023 13:50

Tgt Ion: 78 Resp: 311699





#35

Methylcyclohexane

Concen: 3.354 ug/L

RT: 6.761 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053304.D

Acq: 20 Mar 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

E0288DL

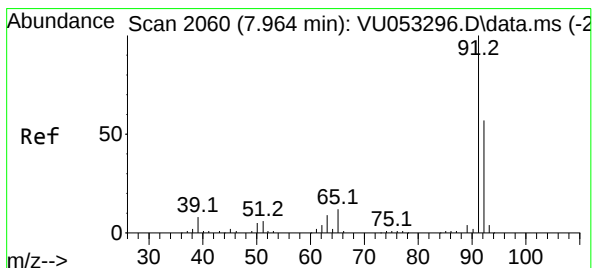
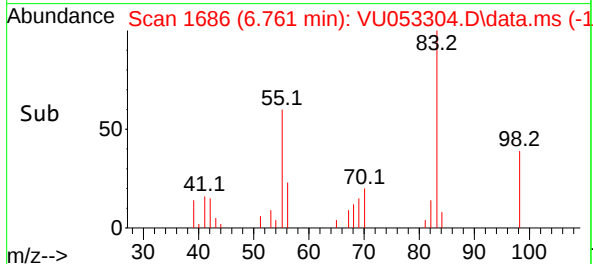
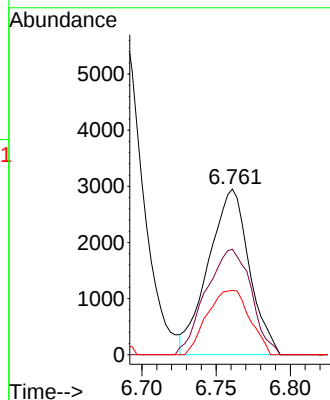
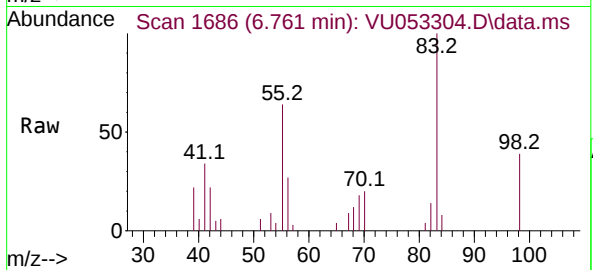
Tgt Ion: 83 Resp: 5634

Ion Ratio Lower Upper

83 100

55 70.6 58.2 87.4

98 40.5 35.4 53.2



#42

Toluene

Concen: 2.429 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU053304.D

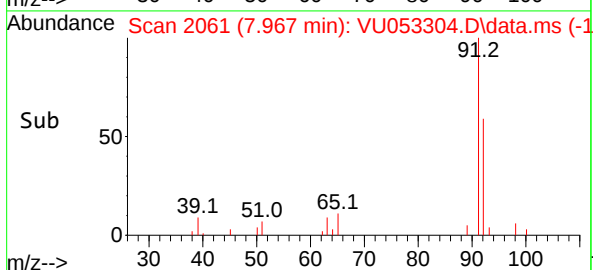
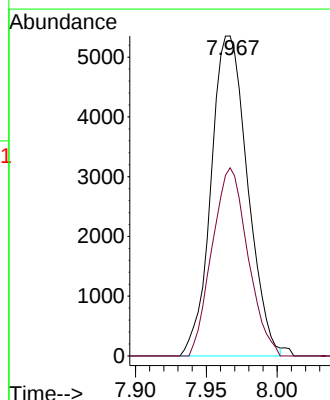
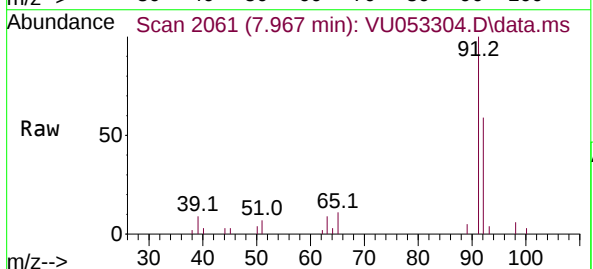
Acq: 20 Mar 2023 13:50

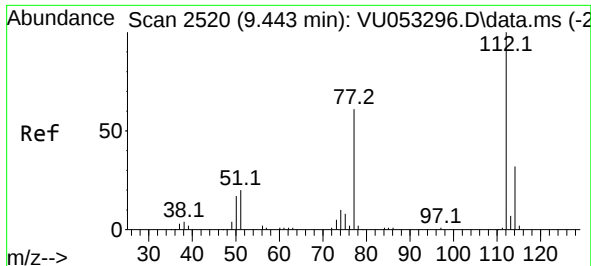
Tgt Ion: 91 Resp: 9597

Ion Ratio Lower Upper

91 100

92 58.8 39.6 73.6

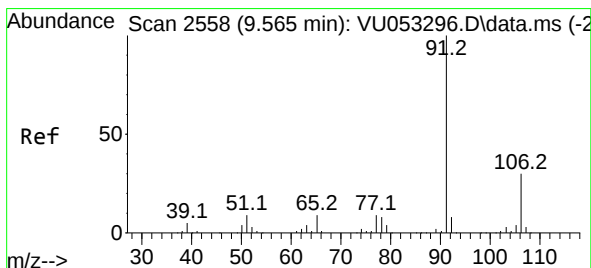
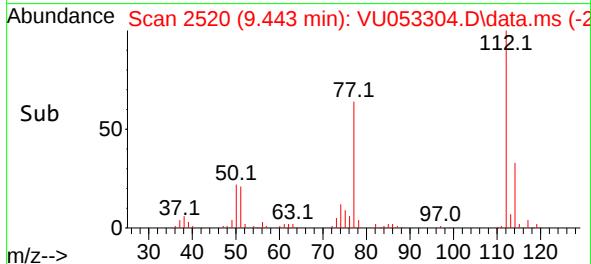
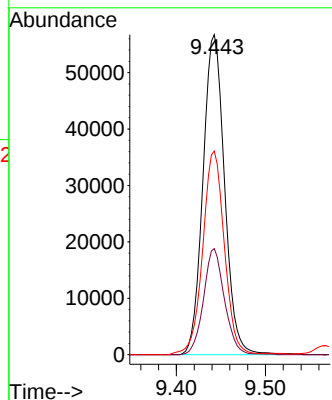
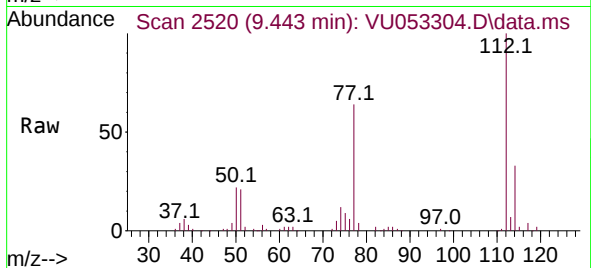




#51
Chlorobenzene
Concen: 38.776 ug/L
RT: 9.443 min Scan# 21
Delta R.T. -0.001 min
Lab File: VU053304.D
Acq: 20 Mar 2023 13:50

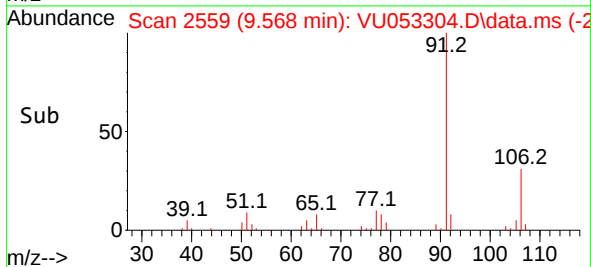
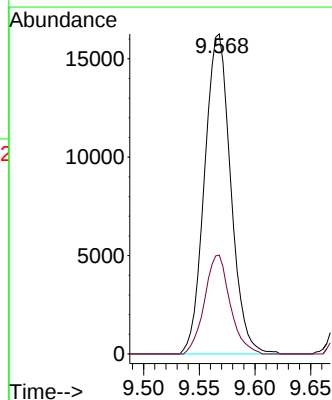
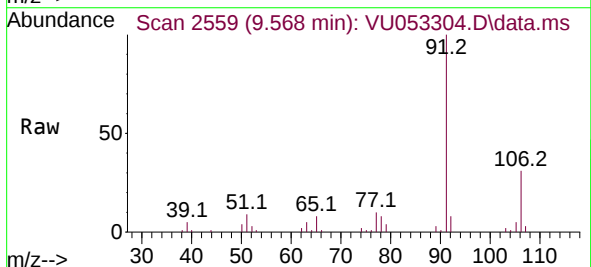
Instrument :
MSVOA_U
ClientSampleId :
E0288DL

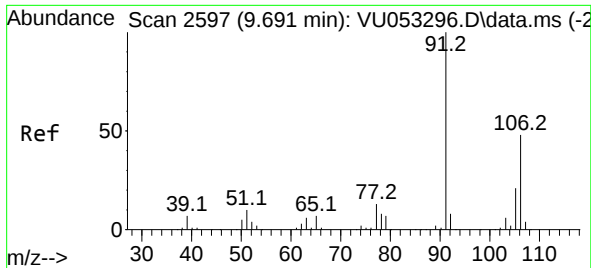
Tgt Ion:112 Resp: 95492
Ion Ratio Lower Upper
112 100
114 33.2 21.8 40.6
77 63.6 48.8 73.2



#52
Ethylbenzene
Concen: 5.936 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU053304.D
Acq: 20 Mar 2023 13:50

Tgt Ion: 91 Resp: 26600
Ion Ratio Lower Upper
91 100
106 30.9 21.6 40.0

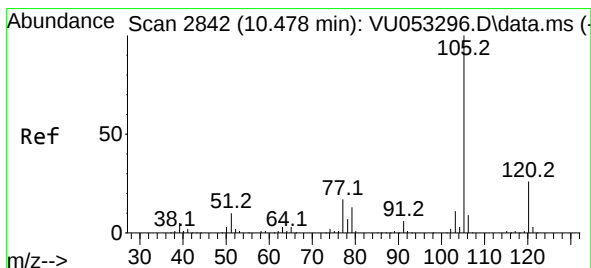
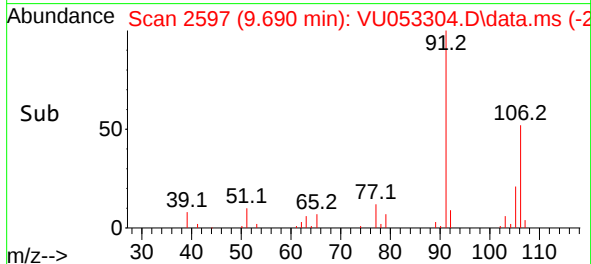
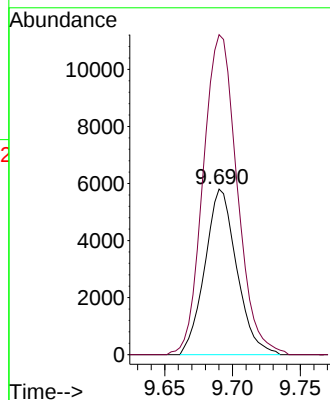
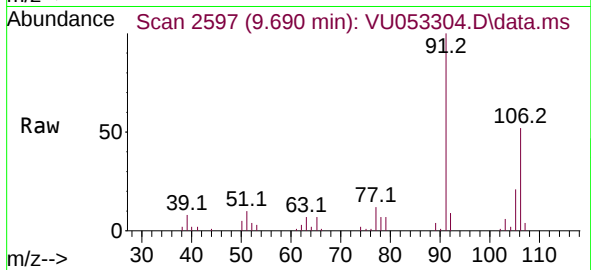




#53
m,p-Xylene
Concen: 5.671 ug/L
RT: 9.690 min Scan# 21
Delta R.T. -0.001 min
Lab File: VU053304.D
Acq: 20 Mar 2023 13:50

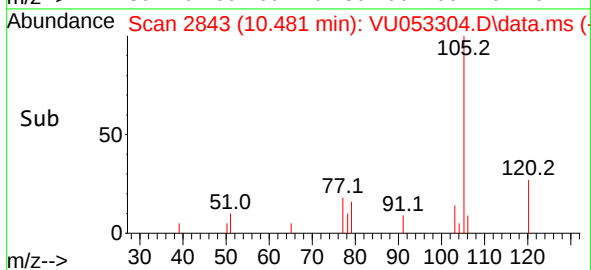
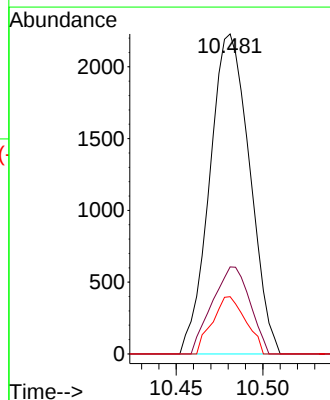
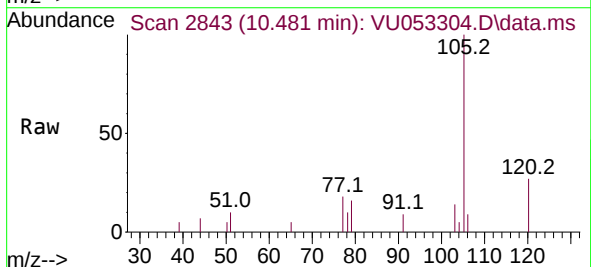
Instrument :
MSVOA_U
ClientSampleId :
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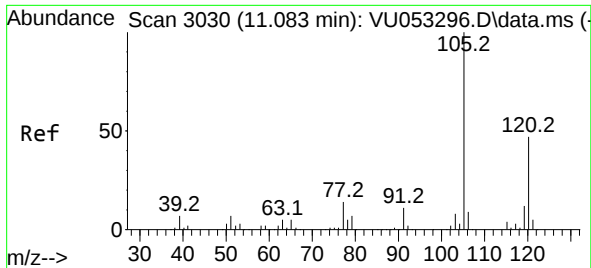
Tgt Ion:106 Resp: 9485
Ion Ratio Lower Upper
106 100
91 193.3 145.3 269.8



#61
Isopropylbenzene
Concen: 0.894 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053304.D
Acq: 20 Mar 2023 13:50

Tgt Ion:105 Resp: 3571
Ion Ratio Lower Upper
105 100
120 25.7 20.4 30.6
77 15.0 13.0 19.4





#62

1,3,5-Trimethylbenzene

Concen: 1.499 ug/L

RT: 11.086 min Scan# 3030

Delta R.T. 0.003 min

Lab File: VU053304.D

Acq: 20 Mar 2023 13:50

Instrument :

MSVOA_U

ClientSampleId :

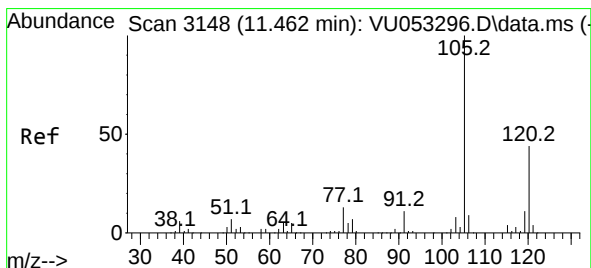
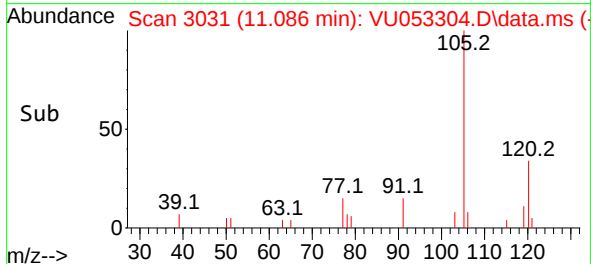
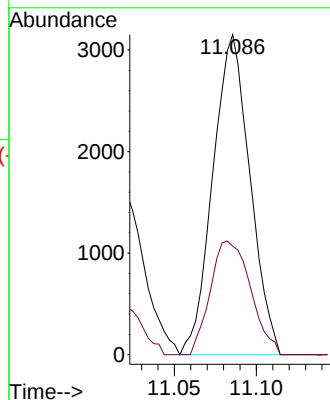
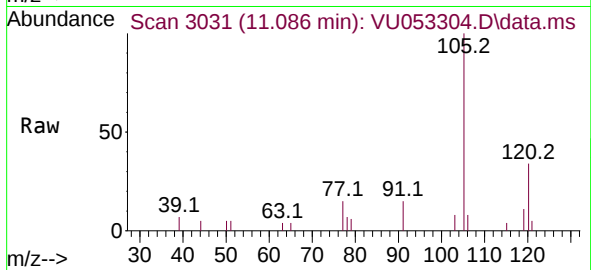
E0288DL

Tgt Ion:105 Resp: 4954

Ion Ratio Lower Upper

105 100

120 38.5 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 2.917 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.001 min

Lab File: VU053304.D

Acq: 20 Mar 2023 13:50

Tgt Ion:105 Resp: 9399

Ion Ratio Lower Upper

105 100

120 40.5 34.6 52.0

