

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050923\
 Data File : VU054133.D
 Acq On : 09 May 2023 20:08
 Operator : JC/MD
 Sample : 02694-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 JREN5

Quant Time: May 10 04:36:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 06 01:14:00 2023
 Response via : Initial Calibration

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

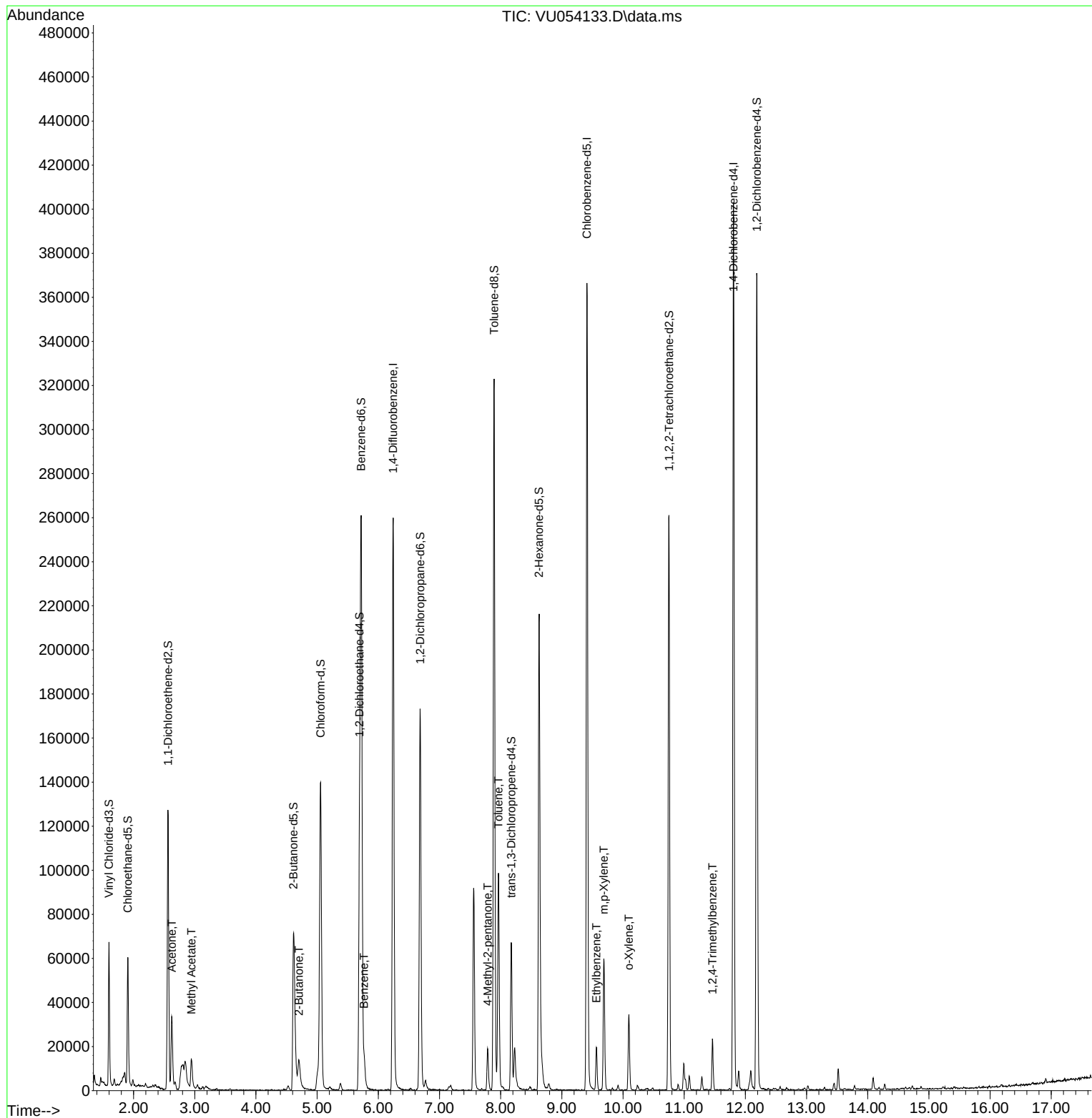
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	216279	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	206405	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	108283	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	48603	29.713	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	59.420%#	
7) Chloroethane-d5	1.906	69	45152	42.052	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	84.100%	
11) 1,1-Dichloroethene-d2	2.562	63	76920	26.513	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	53.020%#	
21) 2-Butanone-d5	4.613	46	112387	120.468	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	120.470%	
24) Chloroform-d	5.057	84	132002	43.939	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	87.880%	
26) 1,2-Dichloroethane-d4	5.694	65	86575	44.883	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	89.760%	
32) Benzene-d6	5.719	84	244815	40.295	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	80.600%	
36) 1,2-Dichloropropane-d6	6.684	67	83407	43.487	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	86.980%	
41) Toluene-d8	7.893	98	218512	39.837	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	79.680%#	
43) trans-1,3-Dichloroprop...	8.173	79	40214	42.367	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	84.740%	
47) 2-Hexanone-d5	8.626	63	72299	105.243	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	105.240%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	126886	50.224	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	100.440%	
66) 1,2-Dichlorobenzene-d4	12.189	152	101751	48.101	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	96.200%	
Target Compounds						
					Qvalue	
13) Acetone	2.623	43	38695	42.258	ug/L	100
15) Methyl Acetate	2.945	43	17562	12.247	ug/L	93
22) 2-Butanone	4.703	43	20641	19.093	ug/L	99
33) Benzene	5.768	78	11845	1.972	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	12445	6.283	ug/L	98
42) Toluene	7.964	91	71872	11.491	ug/L	97
52) Ethylbenzene	9.565	91	14039	1.994	ug/L	96
53) m,p-Xylene	9.687	106	17569	6.647	ug/L	97
54) o-Xylene	10.096	106	10007	3.870	ug/L	89
63) 1,2,4-Trimethylbenzene	11.462	105	12523	2.268	ug/L	99

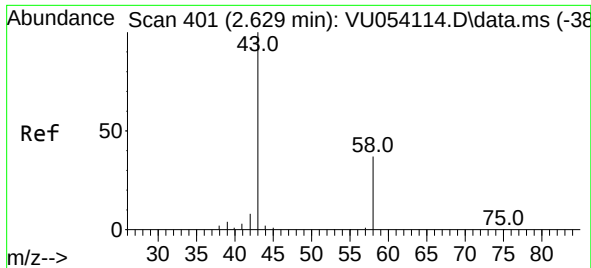
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 06 01:14:00 2023
Response via : Initial Calibration





#13

Acetone

Concen: 42.258 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.009 min

Lab File: VU054133.D

Acq: 09 May 2023 20:08

Instrument :

MSVOA_U

ClientSampleId :

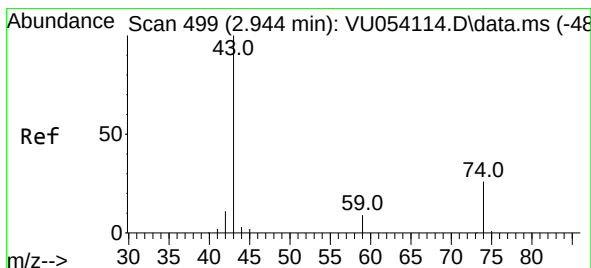
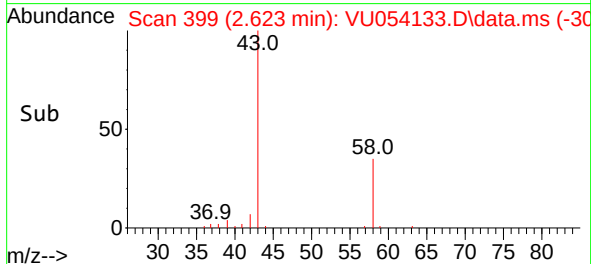
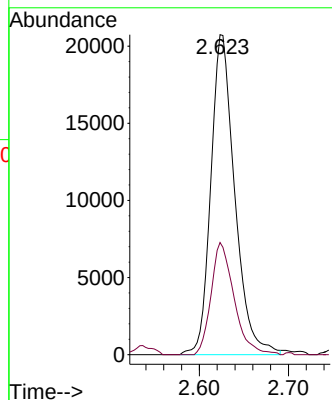
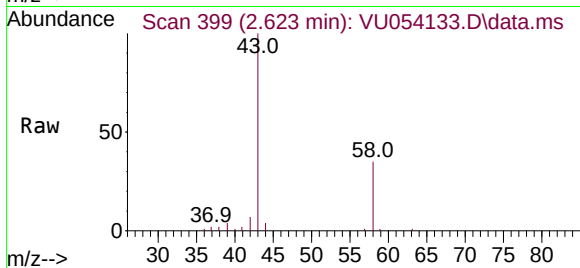
JREN5

Tgt Ion: 43 Resp: 38695

Ion Ratio Lower Upper

43 100

58 33.6 0.0 67.4



#15

Methyl Acetate

Concen: 12.247 ug/L

RT: 2.945 min Scan# 499

Delta R.T. -0.003 min

Lab File: VU054133.D

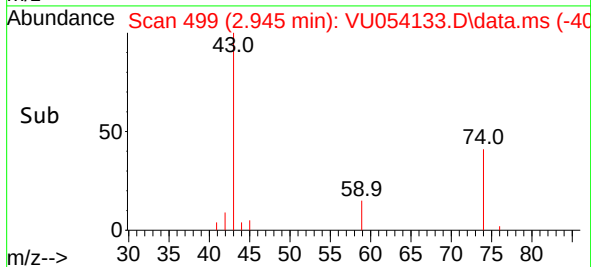
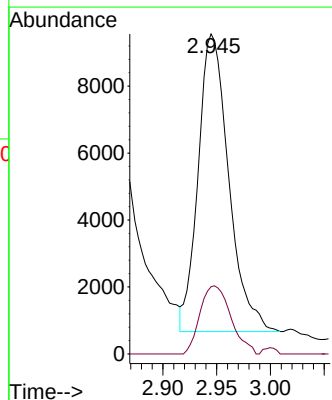
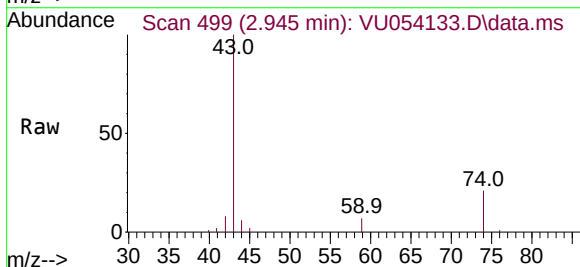
Acq: 09 May 2023 20:08

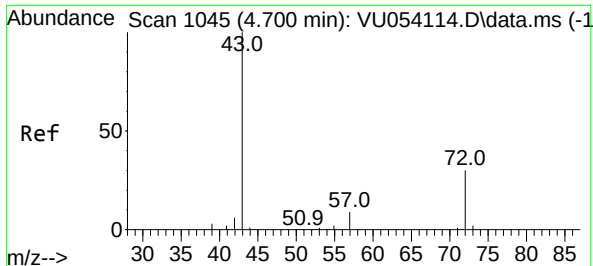
Tgt Ion: 43 Resp: 17562

Ion Ratio Lower Upper

43 100

74 23.1 21.2 31.8





#22

2-Butanone

Concen: 19.093 ug/L

RT: 4.703 min Scan# 1045

Delta R.T. 0.000 min

Lab File: VU054133.D

Acq: 09 May 2023 20:08

Instrument :

MSVOA_U

ClientSampleId :

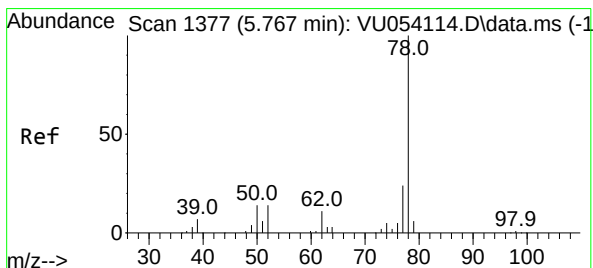
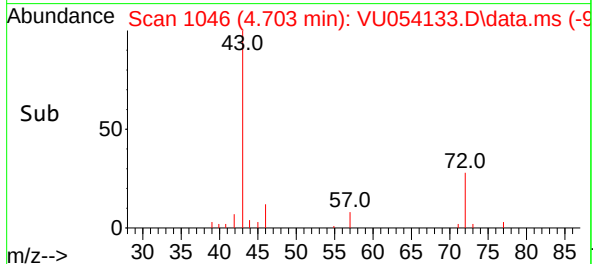
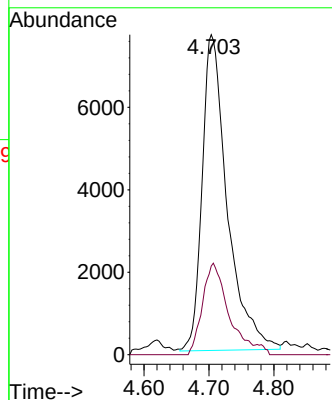
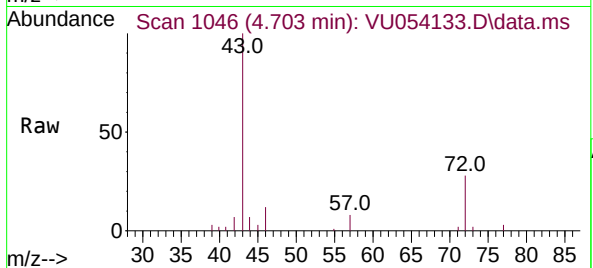
JREN5

Tgt Ion: 43 Resp: 20641

Ion Ratio Lower Upper

43 100

72 28.2 14.0 41.9



#33

Benzene

Concen: 1.972 ug/L

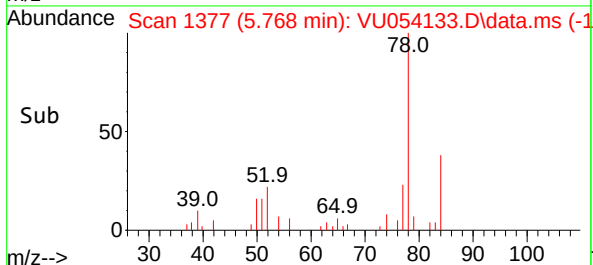
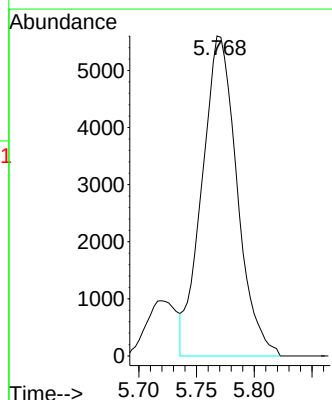
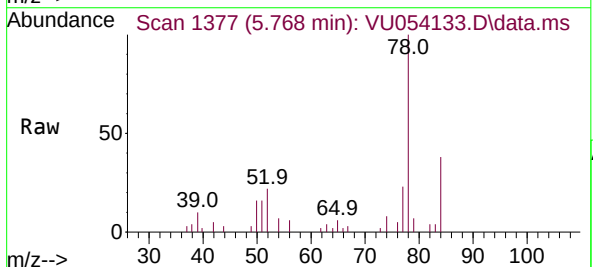
RT: 5.768 min Scan# 1377

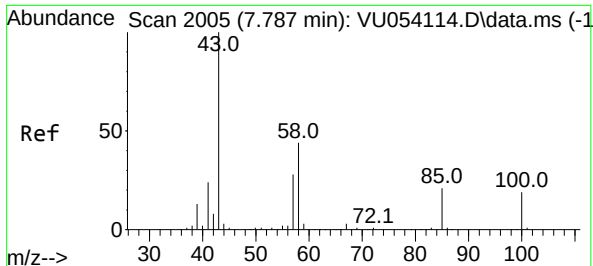
Delta R.T. -0.003 min

Lab File: VU054133.D

Acq: 09 May 2023 20:08

Tgt Ion: 78 Resp: 11845





#40

4-Methyl-2-pentanone

Concen: 6.283 ug/L

RT: 7.790 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VU054133.D

Acq: 09 May 2023 20:08

Instrument :

MSVOA_U

ClientSampleId :

JREN5

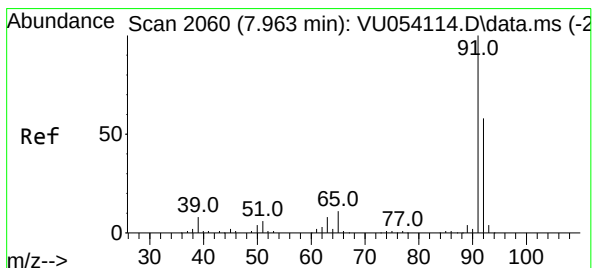
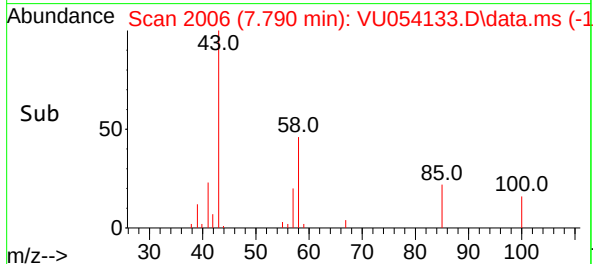
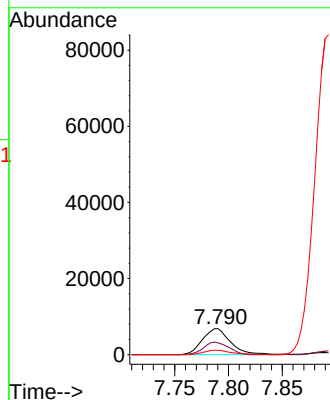
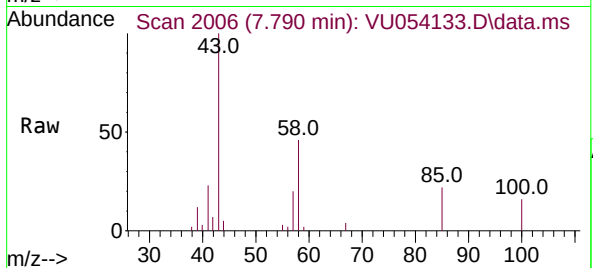
Tgt Ion: 43 Resp: 12445

Ion Ratio Lower Upper

43 100

58 43.9 34.5 51.7

100 15.6 13.8 20.6



#42

Toluene

Concen: 11.491 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.003 min

Lab File: VU054133.D

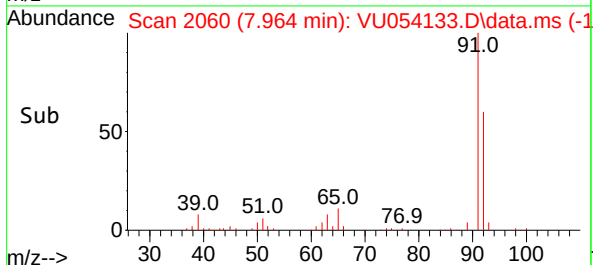
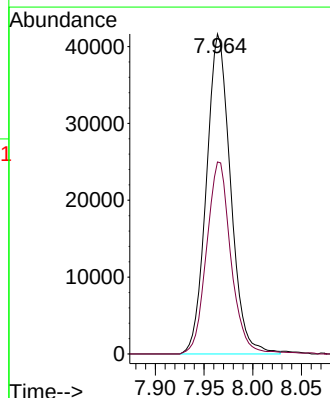
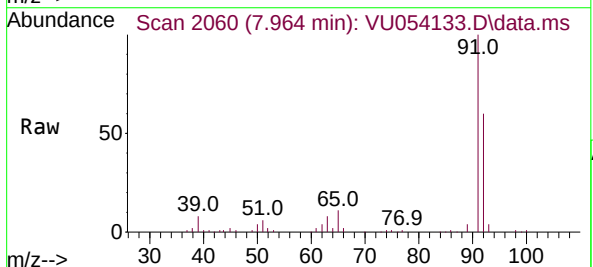
Acq: 09 May 2023 20:08

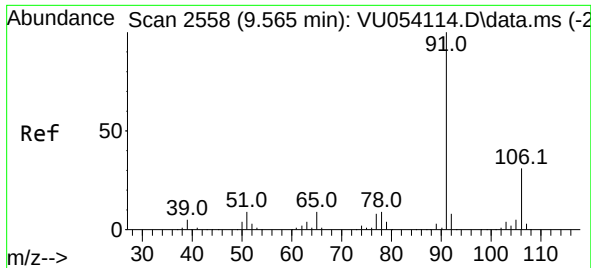
Tgt Ion: 91 Resp: 71872

Ion Ratio Lower Upper

91 100

92 60.0 40.5 75.3

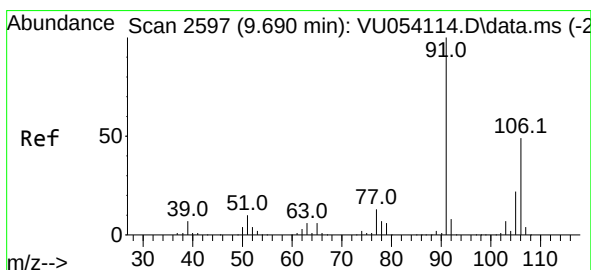
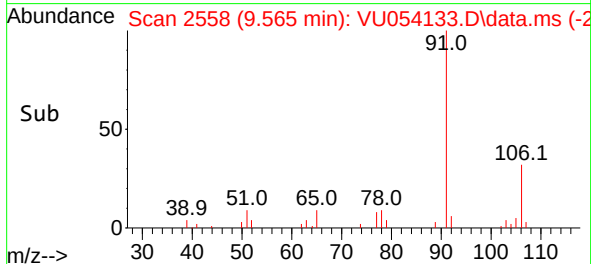
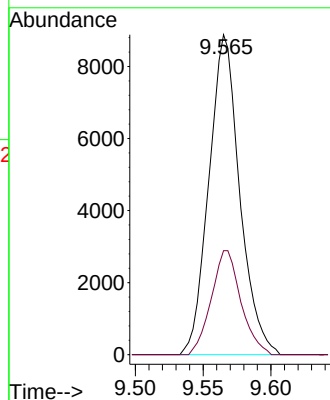
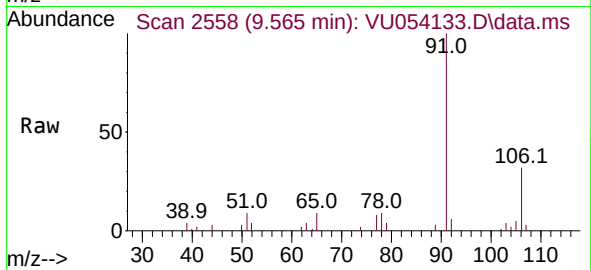




#52
Ethylbenzene
Concen: 1.994 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU054133.D
Acq: 09 May 2023 20:08

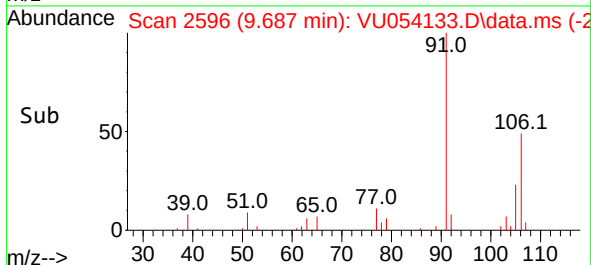
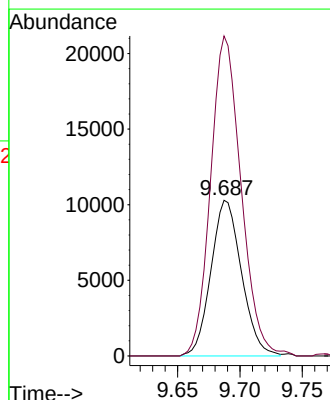
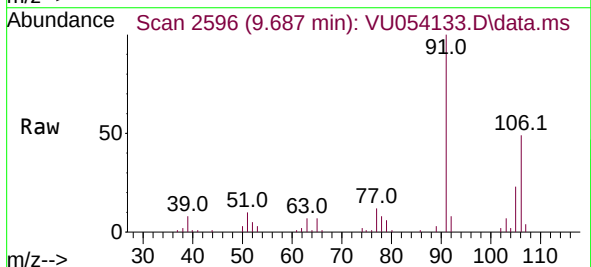
Instrument :
MSVOA_U
ClientSampleId :
JREN5

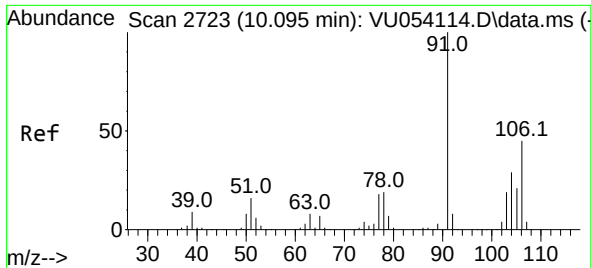
Tgt Ion: 91 Resp: 14039
Ion Ratio Lower Upper
91 100
106 32.5 21.3 39.6



#53
m,p-Xylene
Concen: 6.647 ug/L
RT: 9.687 min Scan# 2596
Delta R.T. -0.003 min
Lab File: VU054133.D
Acq: 09 May 2023 20:08

Tgt Ion: 106 Resp: 17569
Ion Ratio Lower Upper
106 100
91 205.5 140.5 260.9

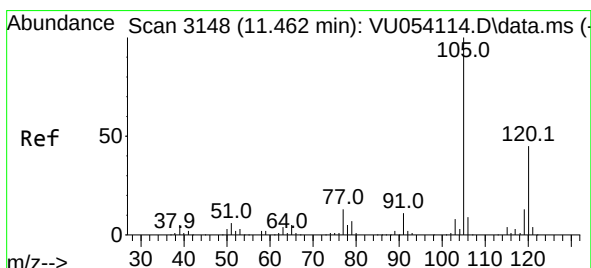
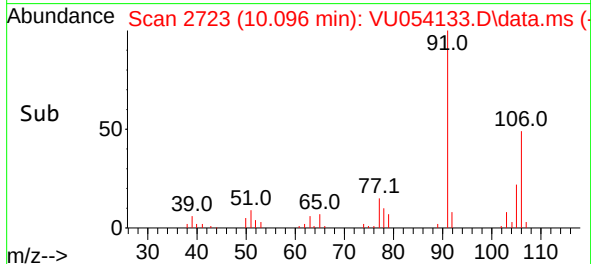
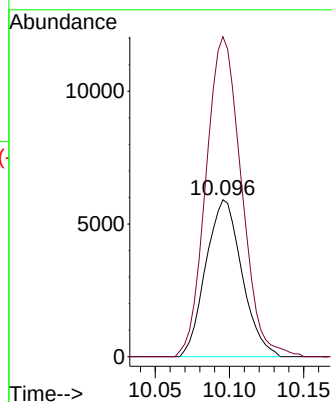
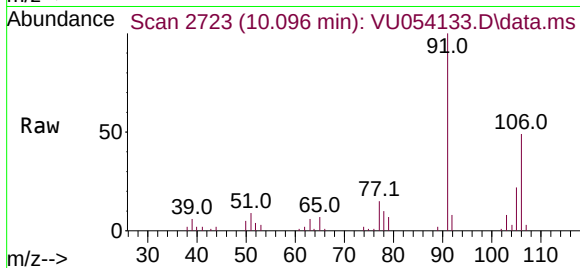




#54
o-Xylene
Concen: 3.870 ug/L
RT: 10.096 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054133.D
Acq: 09 May 2023 20:08

Instrument :
MSVOA_U
ClientSampleId :
JREN5

Tgt Ion:106 Resp: 10007
Ion Ratio Lower Upper
106 100
91 204.0 154.9 287.7



#63
1,2,4-Trimethylbenzene
Concen: 2.268 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU054133.D
Acq: 09 May 2023 20:08

Tgt Ion:105 Resp: 12523
Ion Ratio Lower Upper
105 100
120 46.3 36.5 54.7

