

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
 Data File : VU046298.D
 Acq On : 11 Dec 2021 19:35
 Operator : SY/MD
 Sample : M4983-10DL 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5N9DL

Quant Time: Dec 12 04:07:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

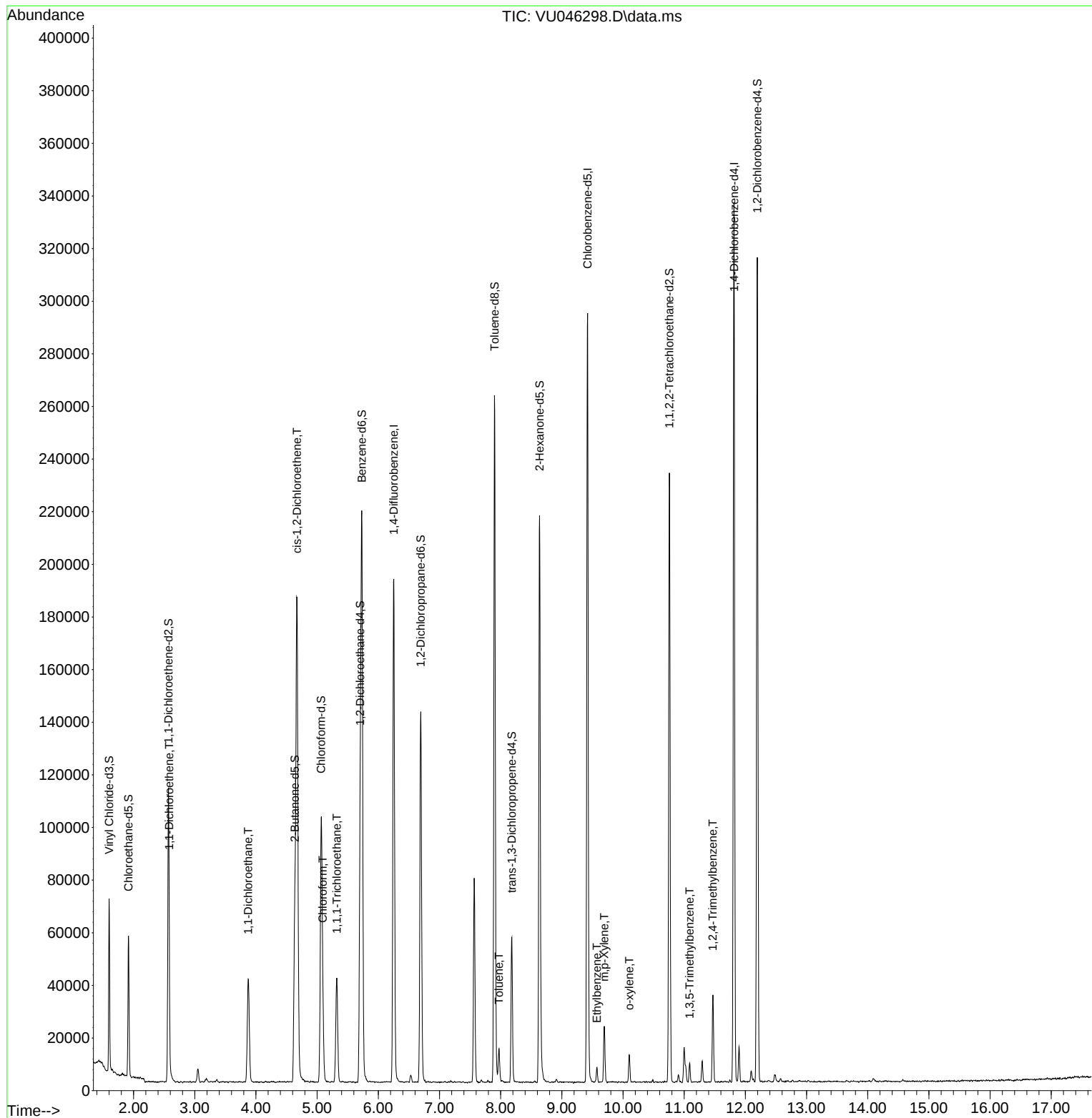
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	159302	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	162602	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	85898	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	45043	34.325	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	68.660%		
7) Chloroethane-d5	1.916	69	38662	38.373	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	76.740%		
11) 1,1-Dichloroethene-d2	2.572	63	66565	28.257	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	56.520%#		
21) 2-Butanone-d5	4.636	46	110494	105.921	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	105.920%		
24) Chloroform-d	5.067	84	88974	40.602	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.200%		
26) 1,2-Dichloroethane-d4	5.703	65	72310	49.168	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.340%		
32) Benzene-d6	5.732	84	203373	43.638	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.280%		
36) 1,2-Dichloropropane-d6	6.694	67	68412	47.365	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.720%		
41) Toluene-d8	7.899	98	170499	40.180	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	80.360%		
43) trans-1,3-Dichloroprop...	8.182	79	31550	45.250	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.500%		
47) 2-Hexanone-d5	8.636	63	76672	111.959	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	111.960%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	114451	52.251	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	104.500%		
66) 1,2-Dichlorobenzene-d4	12.195	152	78566	47.494	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.980%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.581	96	1546	1.404	ug/L	# 1
19) 1,1-Dichloroethane	3.874	63	45131	21.294	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	89812	71.008	ug/L	99
25) Chloroform	5.092	83	19983	8.486	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	28801	14.430	ug/L	99
42) Toluene	7.973	91	9394	1.779	ug/L	97
52) Ethylbenzene	9.575	91	4323	0.761	ug/L	99
53) m,p-Xylene	9.694	106	6441	2.906	ug/L	100
54) o-xylene	10.102	106	3228	1.501	ug/L	70
62) 1,3,5-Trimethylbenzene	11.089	105	4330	0.930	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	18815	4.037	ug/L	99

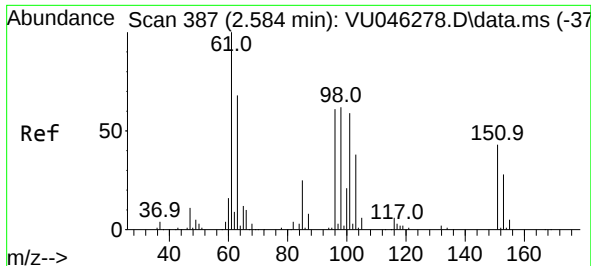
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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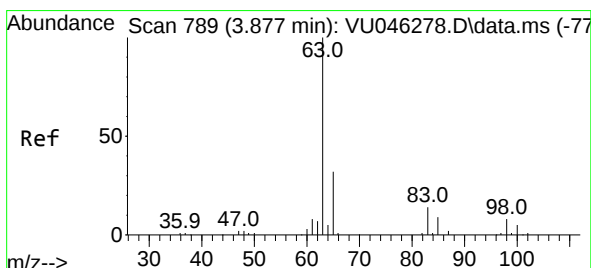
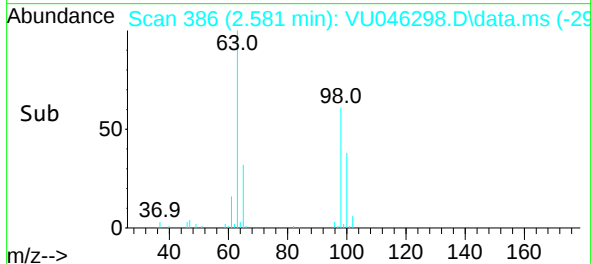
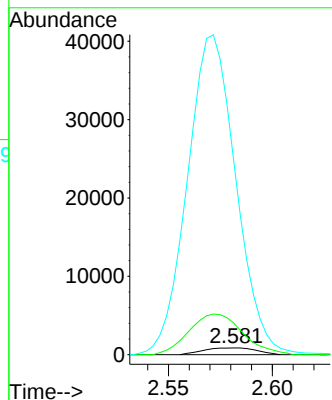
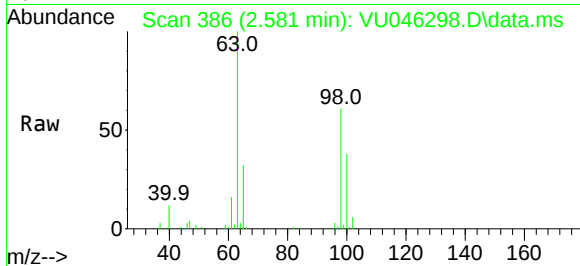




#12
1,1-Dichloroethene
Concen: 1.404 ug/L
RT: 2.581 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU046298.D
Acq: 11 Dec 2021 19:35

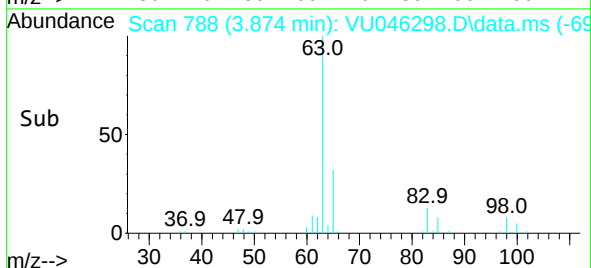
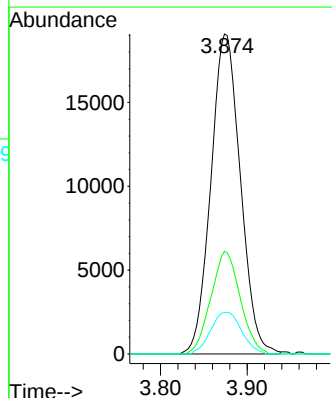
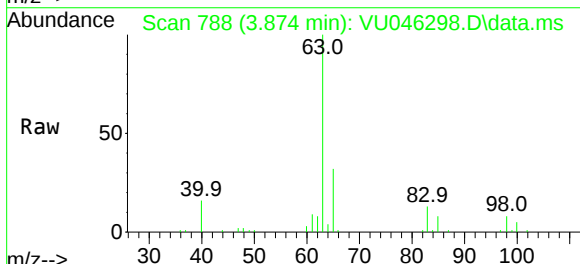
Instrument :
MSVOA_U
ClientSampleId :
EW5N9DL

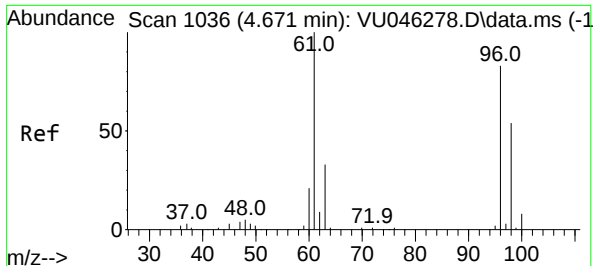
Tgt Ion: 96 Resp: 1546
Ion Ratio Lower Upper
96 100
61 475.3 118.6 220.2#
63 2924.0 93.0 172.8#



#19
1,1-Dichloroethane
Concen: 21.294 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU046298.D
Acq: 11 Dec 2021 19:35

Tgt Ion: 63 Resp: 45131
Ion Ratio Lower Upper
63 100
65 32.0 22.8 42.4
83 13.0 9.6 17.8

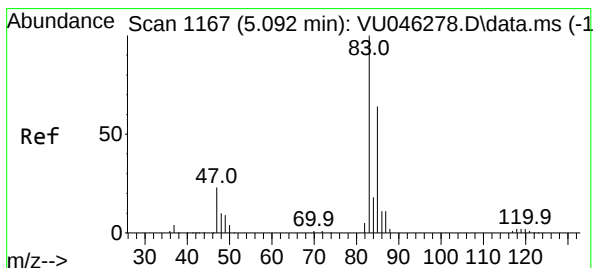
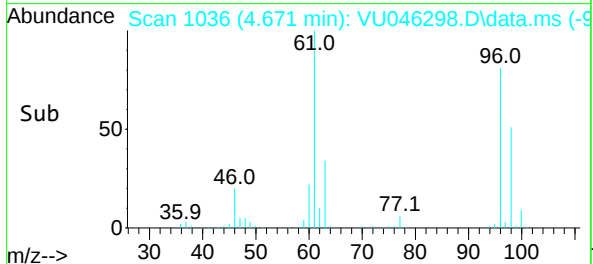
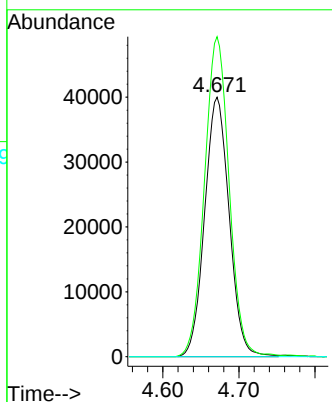
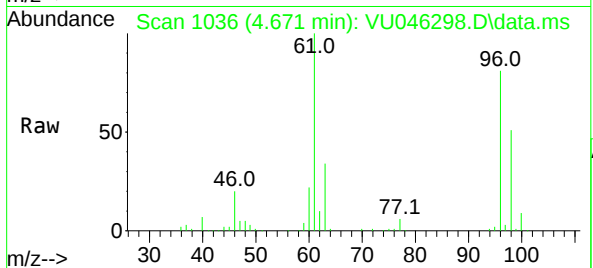




#20
 cis-1,2-Dichloroethene
 Concen: 71.008 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VU046298.D
 Acq: 11 Dec 2021 19:35

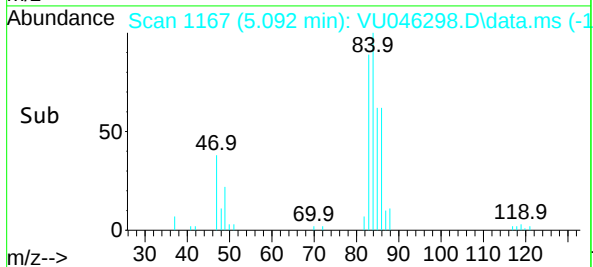
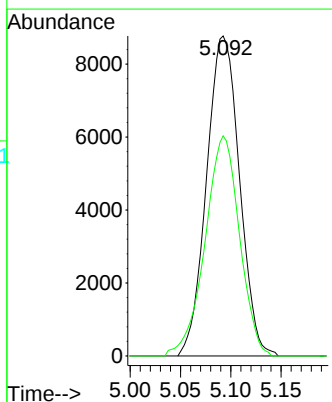
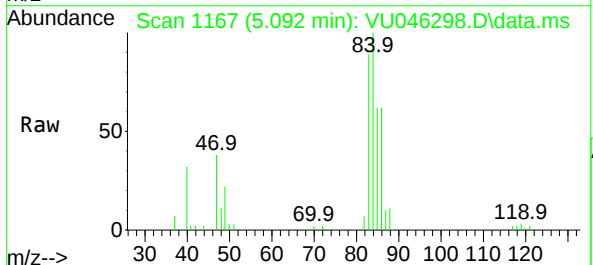
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5N9DL

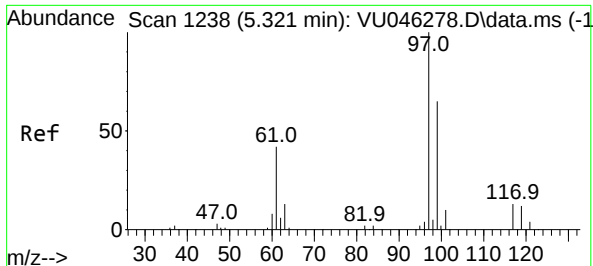
Tgt Ion: 96 Resp: 89812
 Ion Ratio Lower Upper
 96 100
 61 123.3 86.8 161.2
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 8.486 ug/L
 RT: 5.092 min Scan# 1167
 Delta R.T. 0.000 min
 Lab File: VU046298.D
 Acq: 11 Dec 2021 19:35

Tgt Ion: 83 Resp: 19983
 Ion Ratio Lower Upper
 83 100
 85 68.8 45.8 85.2





#30

1,1,1-Trichloroethane

Concen: 14.430 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU046298.D

Acq: 11 Dec 2021 19:35

Instrument :

MSVOA_U

ClientSampleId :

EW5N9DL

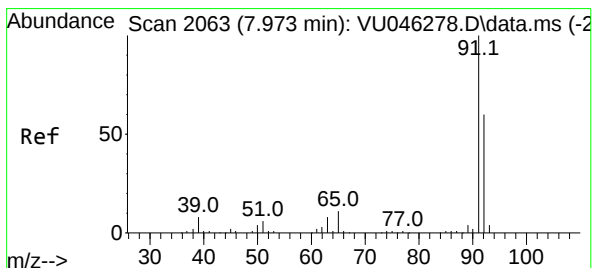
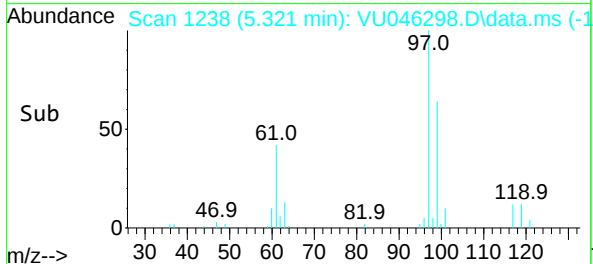
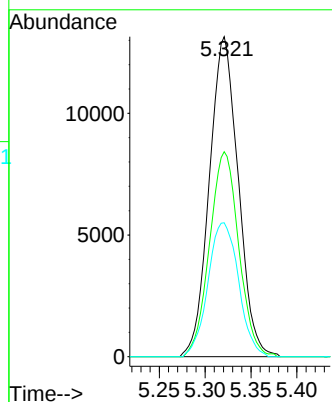
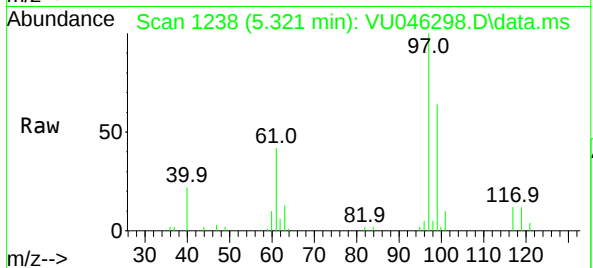
Tgt Ion: 97 Resp: 28801

Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.6

61 44.3 34.4 51.6



#42

Toluene

Concen: 1.779 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU046298.D

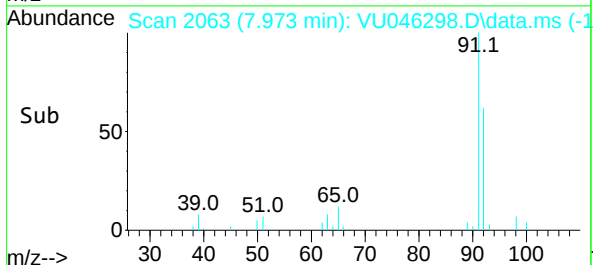
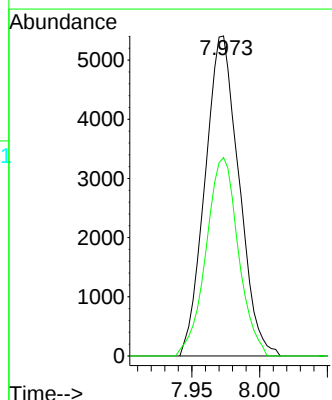
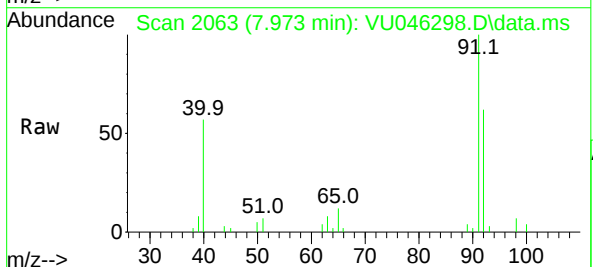
Acq: 11 Dec 2021 19:35

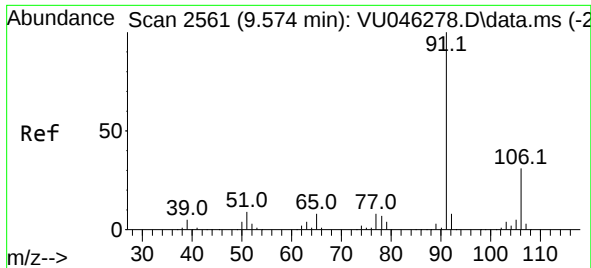
Tgt Ion: 91 Resp: 9394

Ion Ratio Lower Upper

91 100

92 62.0 41.9 77.7

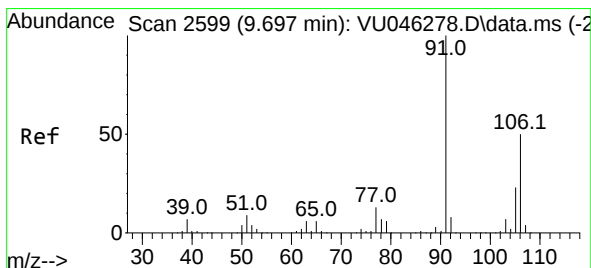
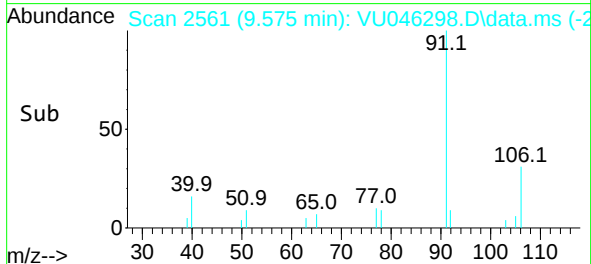
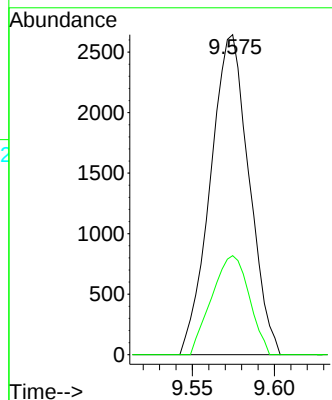
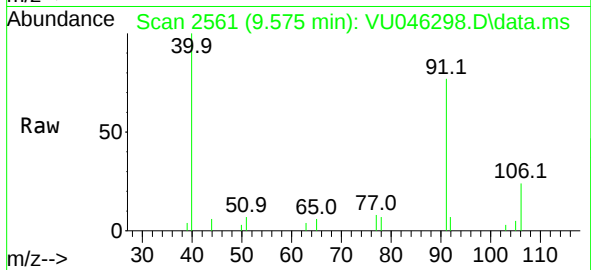




#52
Ethylbenzene
Concen: 0.761 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU046298.D
Acq: 11 Dec 2021 19:35

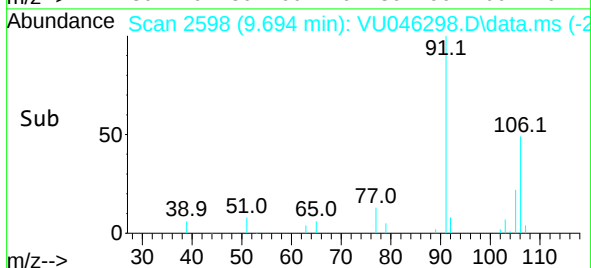
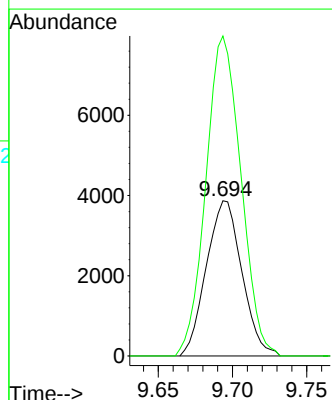
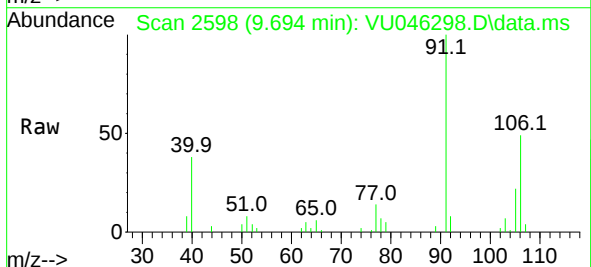
Instrument :
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ClientSampleId :
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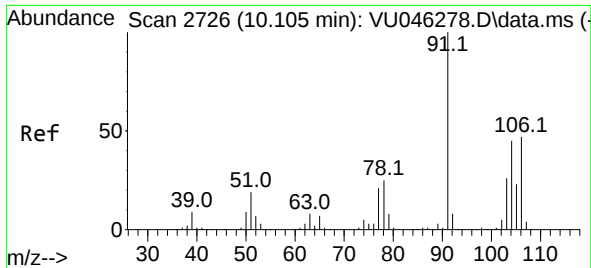
Tgt Ion: 91 Resp: 4323
Ion Ratio Lower Upper
91 100
106 30.9 21.1 39.3



#53
m,p-Xylene
Concen: 2.906 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046298.D
Acq: 11 Dec 2021 19:35

Tgt Ion: 106 Resp: 6441
Ion Ratio Lower Upper
106 100
91 206.1 144.3 268.1

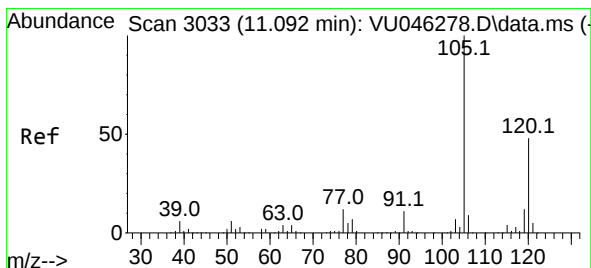
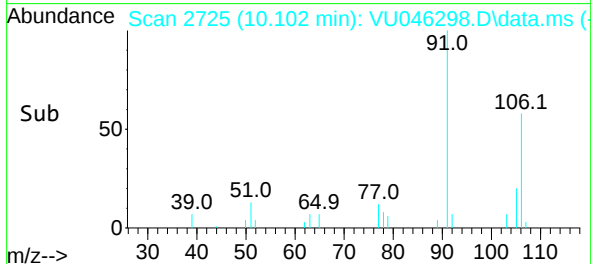
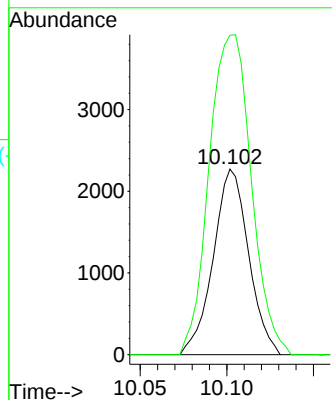
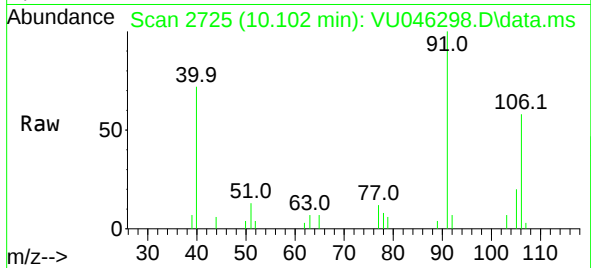




#54
o-xylene
Concen: 1.501 ug/L
RT: 10.102 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046298.D
Acq: 11 Dec 2021 19:35

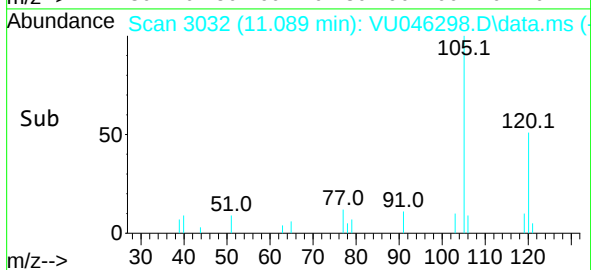
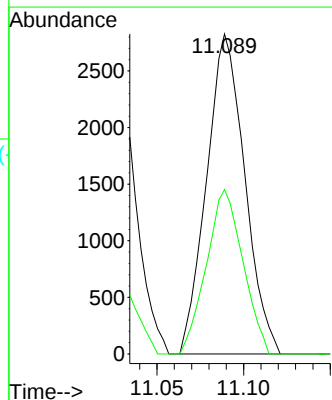
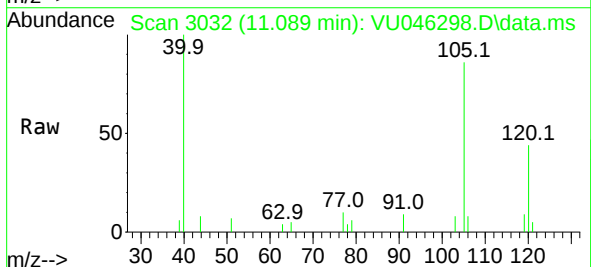
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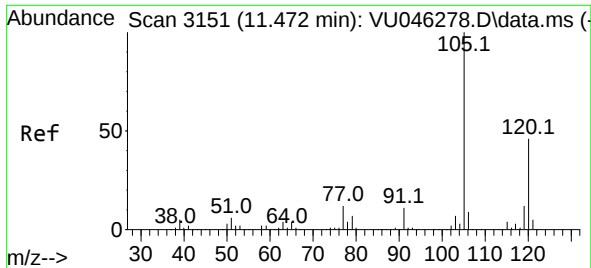
Tgt Ion:106 Resp: 3228
Ion Ratio Lower Upper
106 100
91 172.2 154.2 286.4



#62
1,3,5-Trimethylbenzene
Concen: 0.930 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU046298.D
Acq: 11 Dec 2021 19:35

Tgt Ion:105 Resp: 4330
Ion Ratio Lower Upper
105 100
120 49.0 37.8 56.6





#63
 1,2,4-Trimethylbenzene
 Concen: 4.037 ug/L
 RT: 11.468 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU046298.D
 Acq: 11 Dec 2021 19:35

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5N9DL

Tgt Ion:105 Resp: 18815
 Ion Ratio Lower Upper
 105 100
 120 44.8 35.2 52.8

