

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071824\
 Data File : VU060061.D
 Acq On : 19 Jul 2024 15:32
 Operator : MD/SY
 Sample : P3244-04 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 20 01:40:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 20 01:37:26 2024
 Response via : Initial Calibration

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

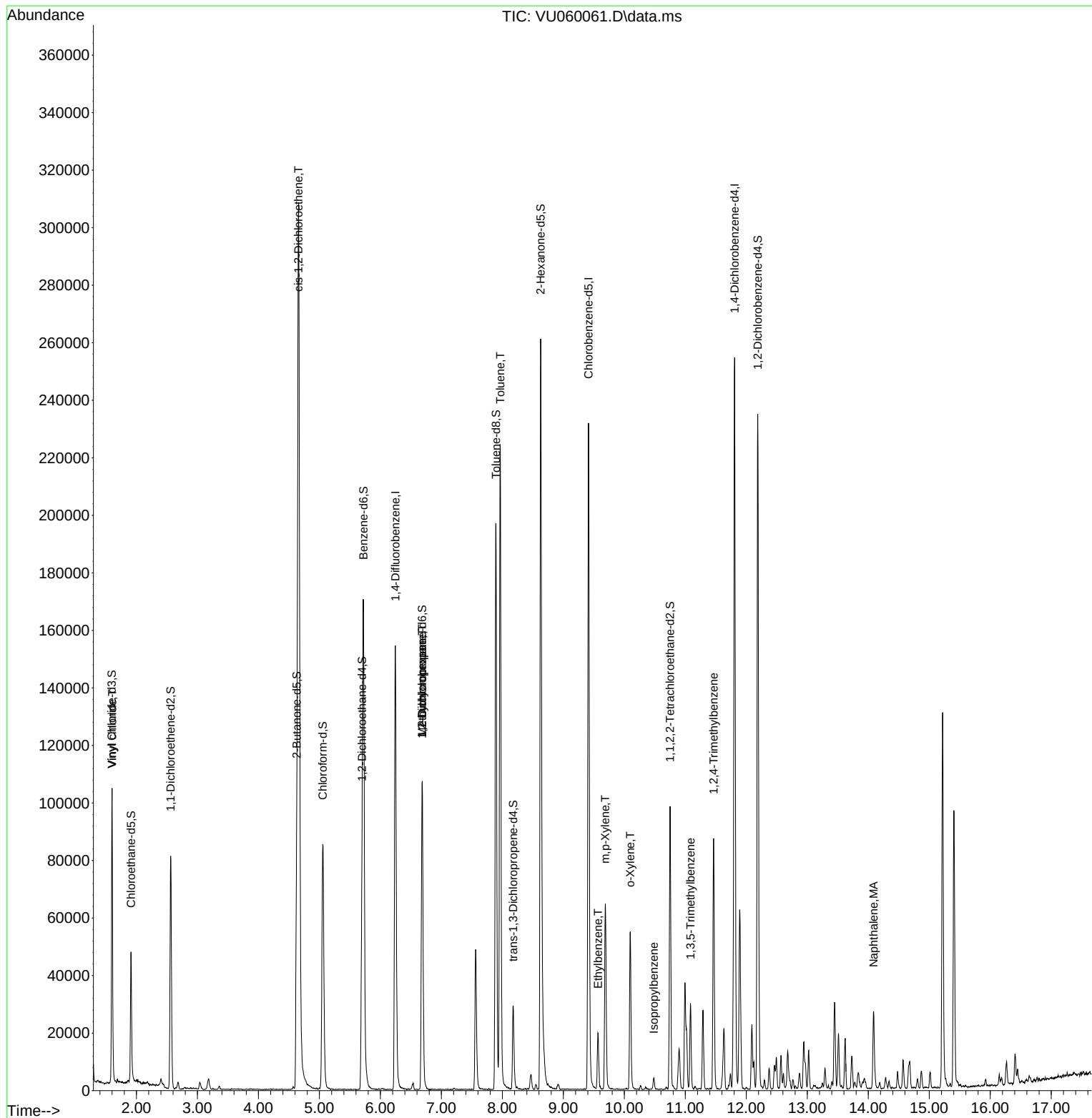
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	137925	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	140162	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	72968	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	35001	3.647	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	73.000%		
7) Chloroethane-d5	1.911	69	35665	4.001	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	80.000%		
11) 1,1-Dichloroethene-d2	2.560	65	14973	3.996	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	80.000%		
20) 2-Butanone-d5	4.628	46	117315	52.290	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	104.580%		
24) Chloroform-d	5.055	84	85455	4.237	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	84.800%		
26) 1,2-Dichloroethane-d4	5.698	65	43245	4.605	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	92.000%		
32) Benzene-d6	5.721	84	170901	4.551	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	91.000%		
36) 1,2-Dichloropropane-d6	6.685	67	55527	4.640	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	92.800%		
41) Toluene-d8	7.894	98	142781	4.208	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	84.200%		
43) trans-1,3-Dichloroprop...	8.177	79	18664	4.582	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	91.600%		
46) 2-Hexanone-d5	8.627	63	98989	54.764	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	109.520%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	51176	4.805	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	96.200%		
66) 1,2-Dichlorobenzene-d4	12.187	152	64172	4.872	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	97.400%		
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	43677	3.093	ug/L	99
22) cis-1,2-Dichloroethene	4.657	96	163230	13.308	ug/L	99
35) Methylcyclohexane	6.685	83	12646	0.786	ug/L #	21
37) 1,2-Dichloropropane	6.682	63	6075	0.486	ug/L #	88
42) Toluene	7.965	91	179112	3.635	ug/L	98
52) Ethylbenzene	9.566	91	15088	0.307	ug/L	100
53) m,p-Xylene	9.685	106	21281	1.121	ug/L	90
54) o-Xylene	10.097	106	15597	0.859	ug/L	98
60) Isopropylbenzene	10.483	105	3283	0.069	ug/L #	93
62) 1,3,5-Trimethylbenzene	11.084	105	16462	0.451	ug/L	96
63) 1,2,4-Trimethylbenzene	11.463	105	49173	1.396	ug/L	99
71) Naphthalene	14.087	128	25371	1.214	ug/L	98

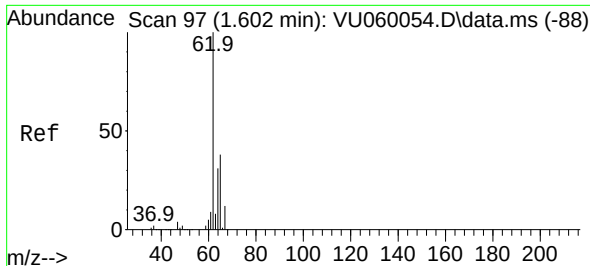
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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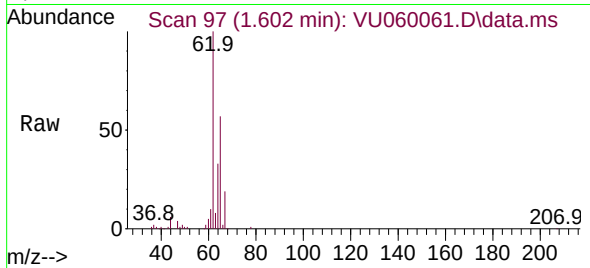
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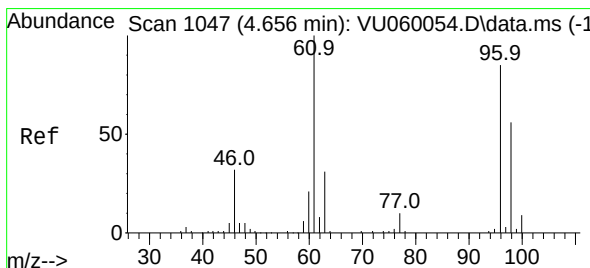
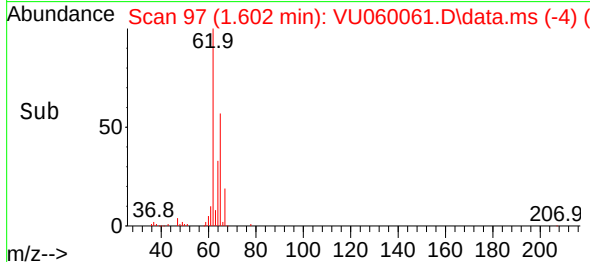
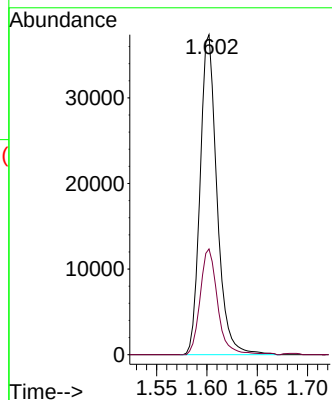


#5
 Vinyl chloride
 Concen: 3.093 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU060061.D
 Acq: 19 Jul 2024 15:32

Instrument :
 MSVOA_U
 ClientSampleId :

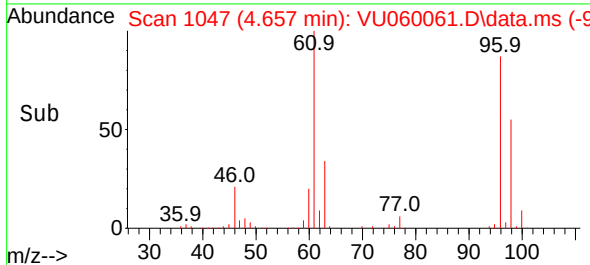
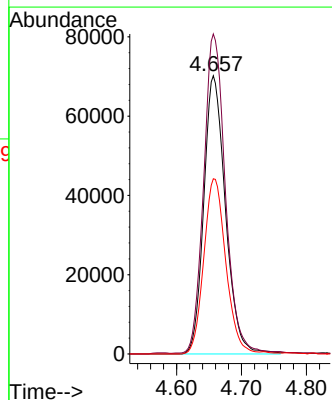
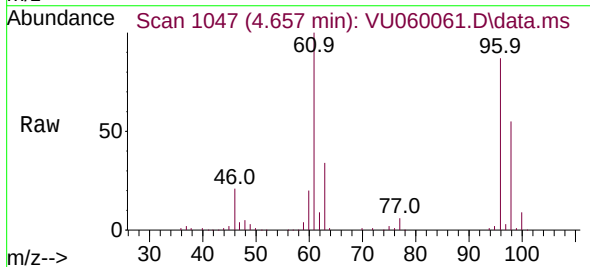


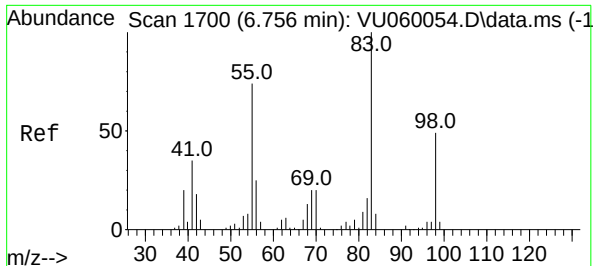
Tgt Ion: 62 Resp: 43677
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.8 42.4



#22
 cis-1,2-Dichloroethene
 Concen: 13.308 ug/L
 RT: 4.657 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: VU060061.D
 Acq: 19 Jul 2024 15:32

Tgt Ion: 96 Resp: 163230
 Ion Ratio Lower Upper
 96 100
 61 115.0 80.2 148.9
 98 63.0 44.7 83.1





#35

Methylcyclohexane

Concen: 0.786 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU060061.D

Acq: 19 Jul 2024 15:32

Instrument :

MSVOA_U

ClientSampleId :

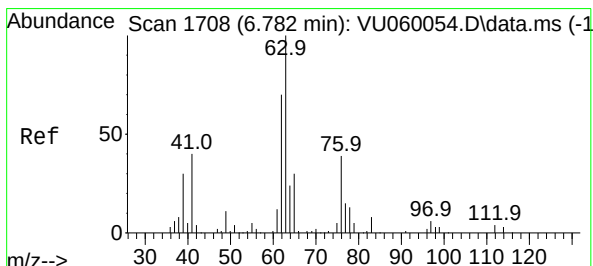
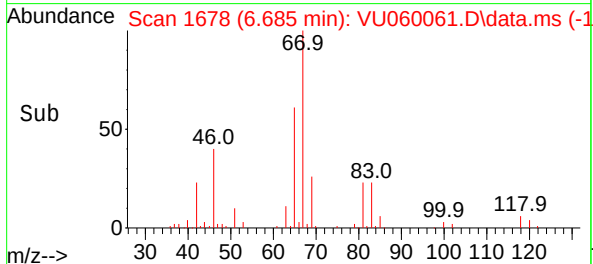
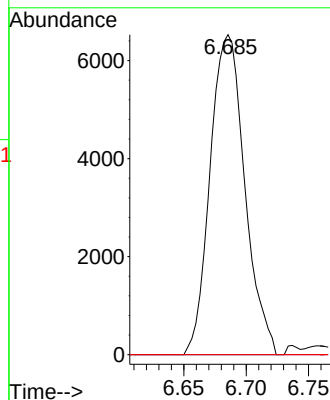
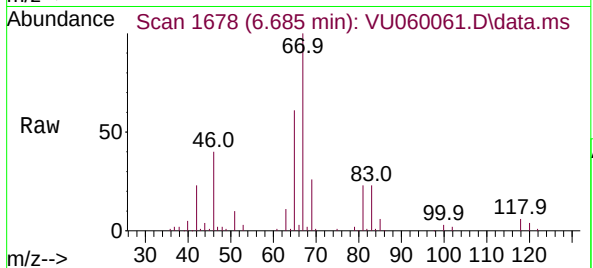
Tgt Ion: 83 Resp: 12646

Ion Ratio Lower Upper

83 100

55 0.0 56.7 85.1#

98 0.3 36.6 55.0#



#37

1,2-Dichloropropane

Concen: 0.486 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.099 min

Lab File: VU060061.D

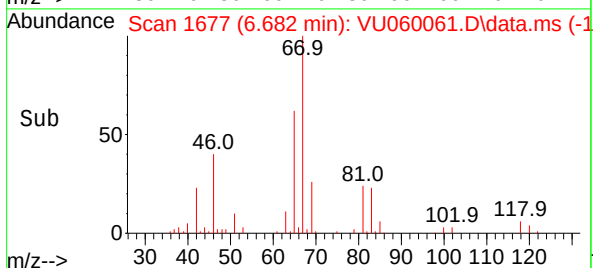
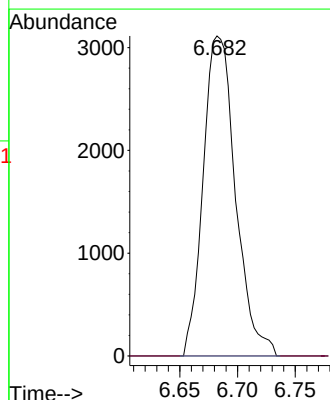
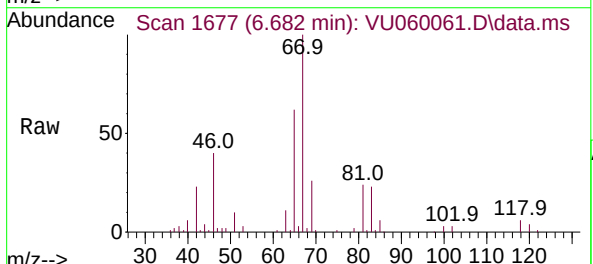
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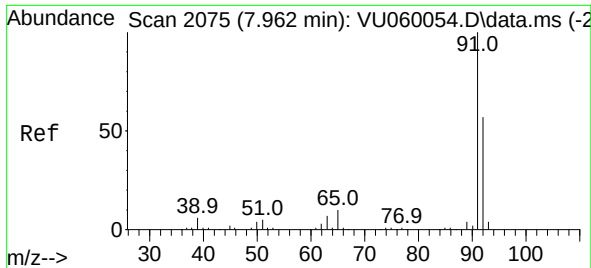
Tgt Ion: 63 Resp: 6075

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#





#42

Toluene

Concen: 3.635 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU060061.D

Acq: 19 Jul 2024 15:32

Instrument :

MSVOA_U

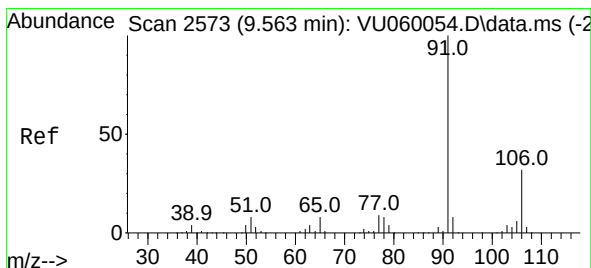
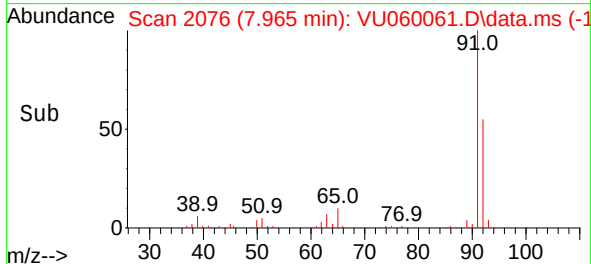
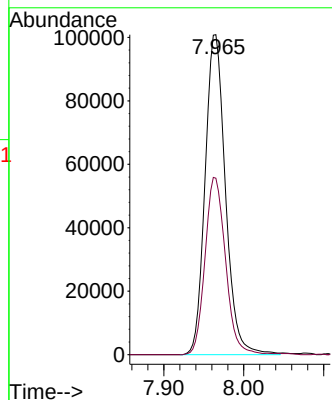
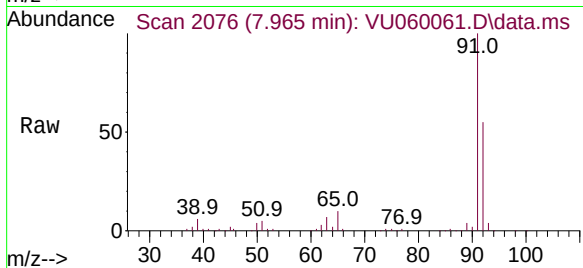
ClientSampleId :

Tgt Ion: 91 Resp: 179112

Ion Ratio Lower Upper

91 100

92 55.2 39.8 73.8



#52

Ethylbenzene

Concen: 0.307 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. 0.003 min

Lab File: VU060061.D

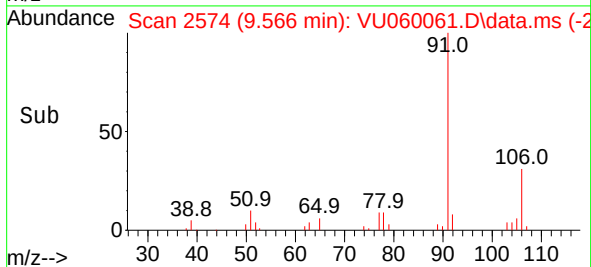
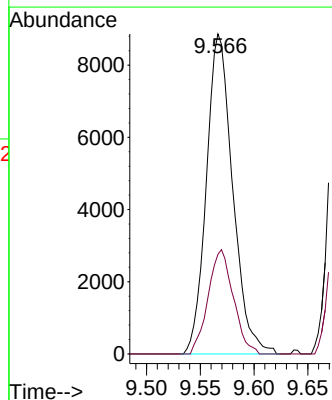
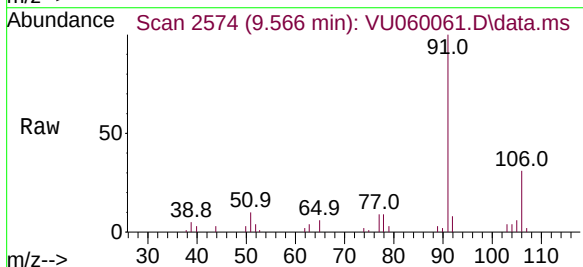
Acq: 19 Jul 2024 15:32

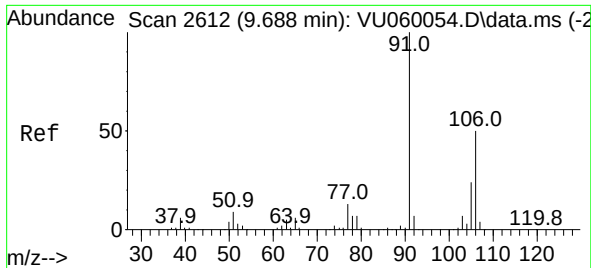
Tgt Ion: 91 Resp: 15088

Ion Ratio Lower Upper

91 100

106 31.2 21.9 40.7

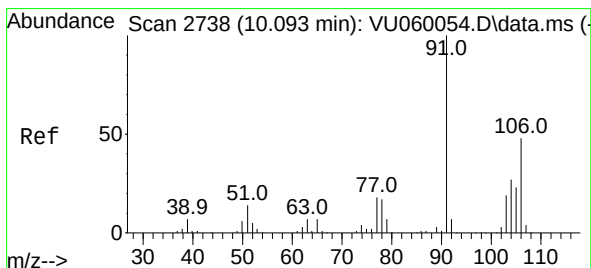
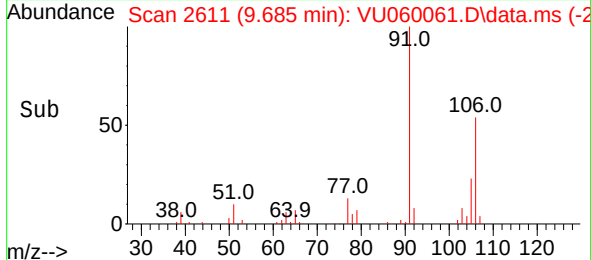
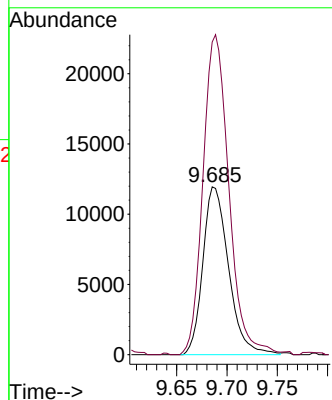
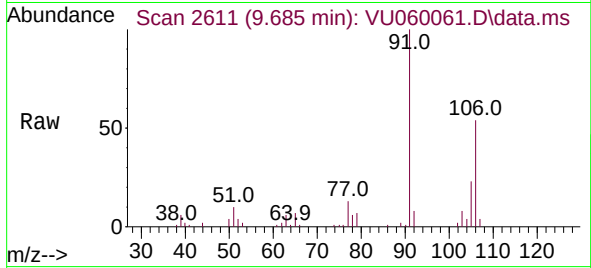




#53
m,p-Xylene
Concen: 1.121 ug/L
RT: 9.685 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU060061.D
Acq: 19 Jul 2024 15:32

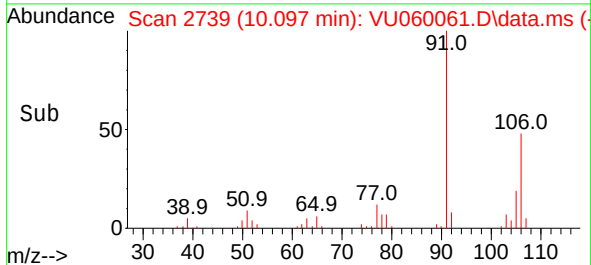
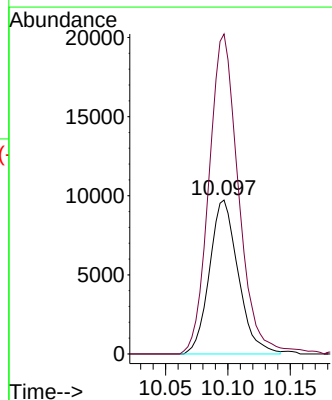
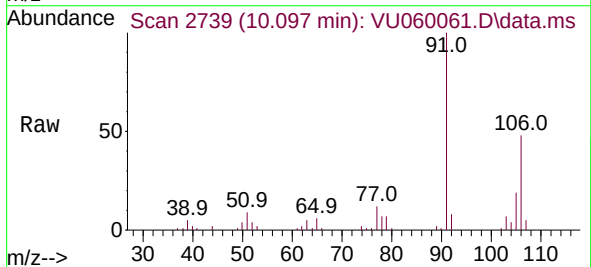
Instrument :
MSVOA_U
ClientSampleId :

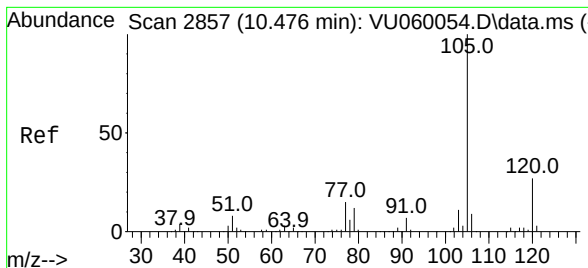
Tgt Ion:106 Resp: 21281
Ion Ratio Lower Upper
106 100
91 186.2 141.3 262.5



#54
o-Xylene
Concen: 0.859 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU060061.D
Acq: 19 Jul 2024 15:32

Tgt Ion:106 Resp: 15597
Ion Ratio Lower Upper
106 100
91 207.9 143.6 266.6





#60

Isopropylbenzene

Concen: 0.069 ug/L

RT: 10.483 min Scan# 2857

Delta R.T. 0.007 min

Lab File: VU060061.D

Acq: 19 Jul 2024 15:32

Instrument :

MSVOA_U

ClientSampleId :

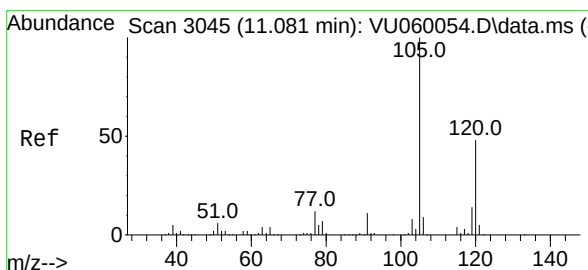
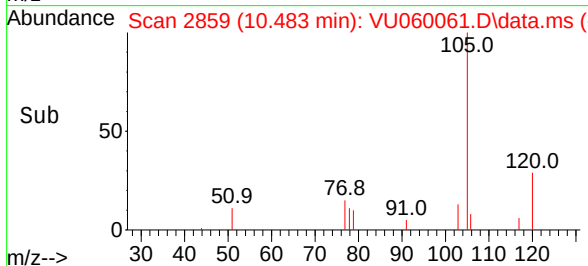
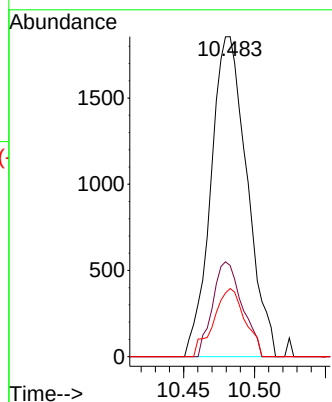
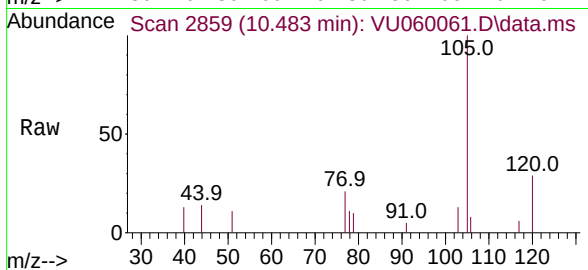
Tgt Ion:105 Resp: 3283

Ion Ratio Lower Upper

105 100

120 24.2 21.9 32.9

77 18.5 12.1 18.1#



#62

1,3,5-Trimethylbenzene

Concen: 0.451 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU060061.D

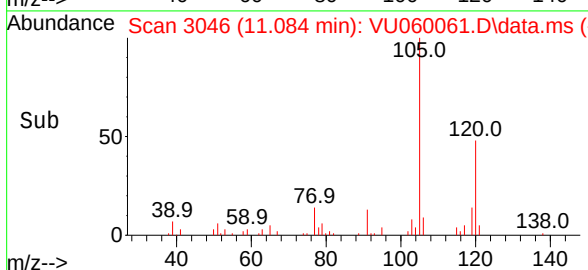
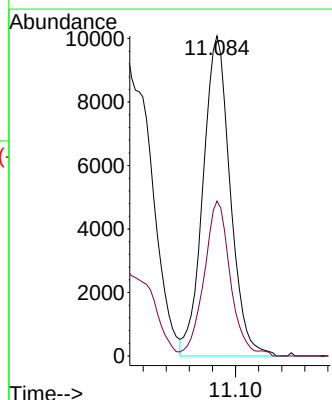
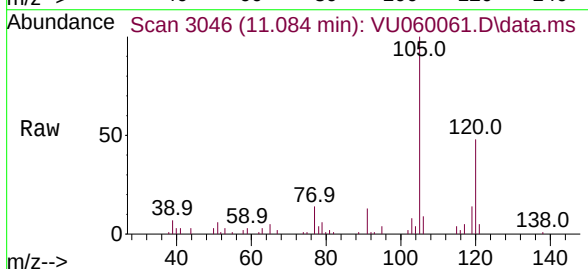
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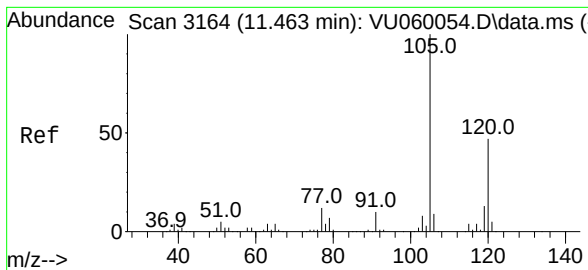
Tgt Ion:105 Resp: 16462

Ion Ratio Lower Upper

105 100

120 46.8 39.4 59.2

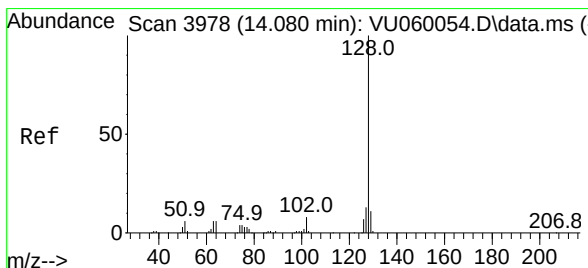
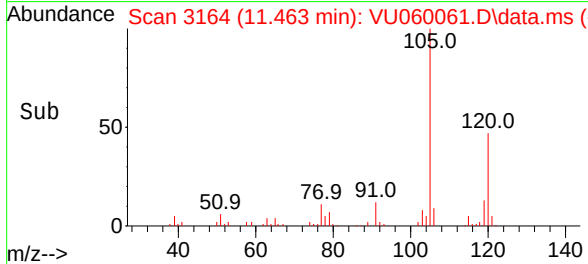
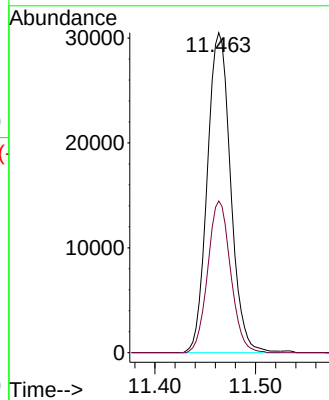
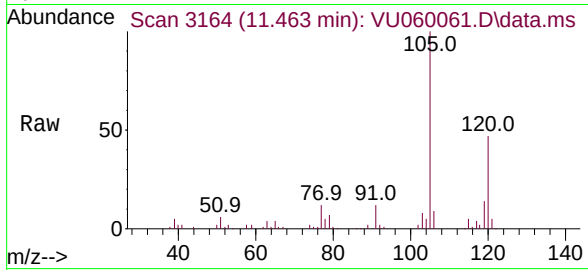




#63
1,2,4-Trimethylbenzene
Concen: 1.396 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU060061.D
Acq: 19 Jul 2024 15:32

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:105 Resp: 49173
Ion Ratio Lower Upper
105 100
120 46.5 36.7 55.1



#71
Naphthalene
Concen: 1.214 ug/L
RT: 14.087 min Scan# 3980
Delta R.T. 0.007 min
Lab File: VU060061.D
Acq: 19 Jul 2024 15:32

Tgt Ion:128 Resp: 25371
Ion Ratio Lower Upper
128 100
129 10.7 8.2 12.4
127 14.2 10.6 16.0

