

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045095.D
 Acq On : 04 Oct 2021 14:48
 Operator : SY/MD
 Sample : M3996-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A14

Manual Integrations
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 10/11/2021 11:53:41 AM

Quant Time: Oct 05 02:45:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 05 02:41:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	296199	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	306059	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	167461	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	99476	30.68	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	61.36%		
7) Chloroethane-d5	1.909	69	94769	36.88	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	73.76%		
11) 1,1-Dichloroethene-d2	2.572	63	134213	24.65	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	49.30%#		
21) 2-Butanone-d5	4.626	46	253986	99.08	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.08%		
24) Chloroform-d	5.070	84	161157	31.47	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	62.94%#		
26) 1,2-Dichloroethane-d4	5.735	65	143943	41.50	ug/L	0.03
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.00%		
32) Benzene-d6	5.745	84	403937	38.03	ug/L	0.01
Spiked Amount 50.000	Range 70 - 125		Recovery =	76.06%		
36) 1,2-Dichloropropane-d6	6.697	67	139277	40.22	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	80.44%		
41) Toluene-d8	7.909	98	378790	41.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.66%		
43) trans-1,3-Dichloroprop...	8.185	79	69970	45.42	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.84%		
47) 2-Hexanone-d5	8.639	63	222514	115.95	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	115.95%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	249431	46.26	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.52%		
66) 1,2-Dichlorobenzene-d4	12.198	152	161549	44.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.66%		
Target Compounds						Qvalue
13) Acetone	2.633	43	136136	45.94	ug/L	89
14) Carbon disulfide	2.903	76	872934m	118.79	ug/L	
22) 2-Butanone	4.710	43	57060	17.20	ug/L	96
29) Cyclohexane	5.395	56	1236103	268.69	ug/L #	96
33) Benzene	5.771	78	42134739m	3711.80	ug/L	
35) Methylcyclohexane	6.768	83	420155	92.04	ug/L	88
40) 4-Methyl-2-pentanone	7.809	43	80730	15.64	ug/L	93
42) Toluene	7.970	91	34193552m	2964.63	ug/L	
52) Ethylbenzene	9.571	91	23371879m	1918.19	ug/L	
53) m,p-Xylene	9.713	106	14261173m	3089.71	ug/L	
54) o-xylene	10.118	106	12814326m	2825.23	ug/L	
61) Isopropylbenzene	10.488	105	1359712	110.95	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	3572253	349.02	ug/L	99
63) 1,2,4-Trimethylbenzene	11.475	105	15696033m	1497.59	ug/L	

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

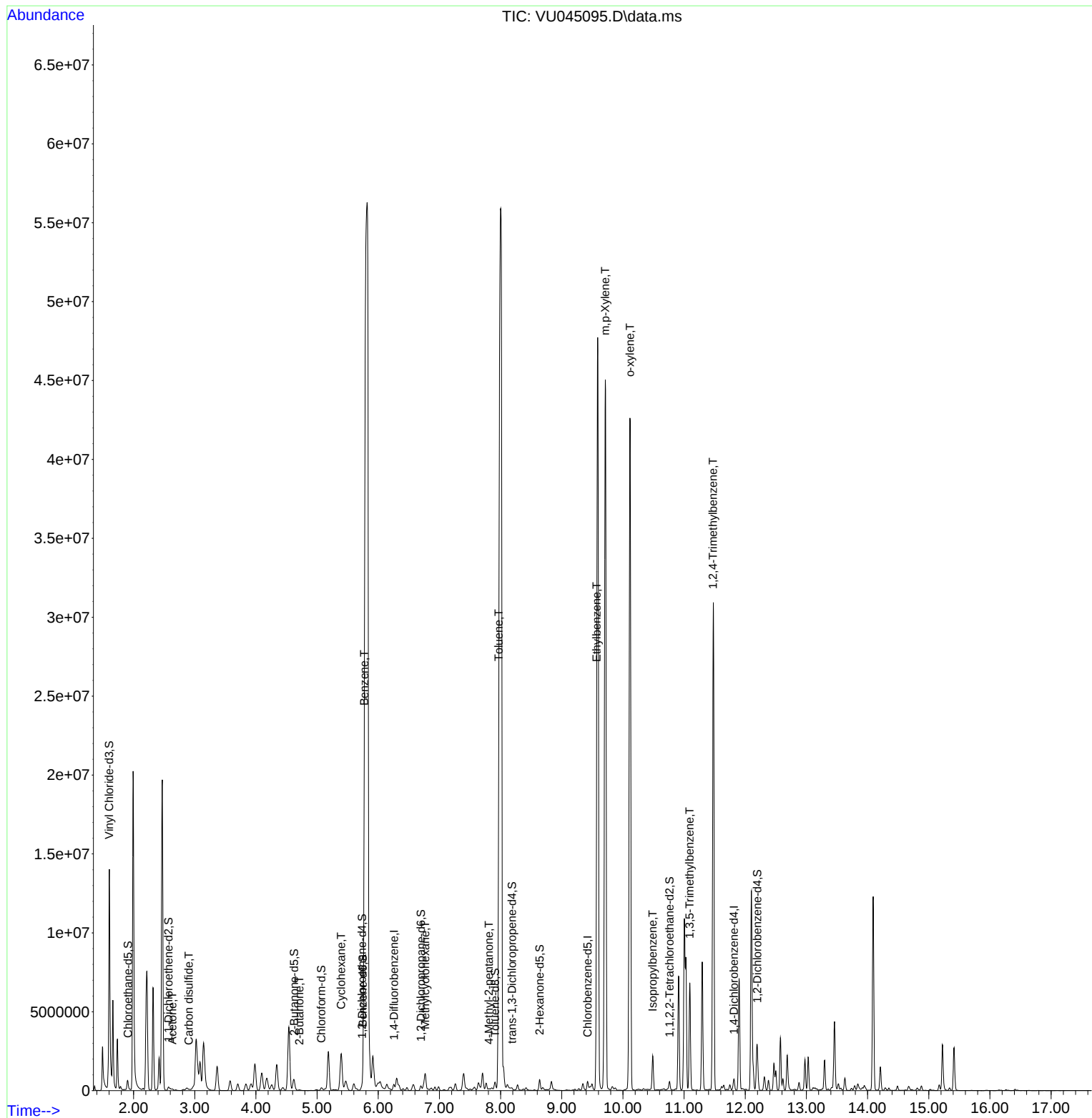
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Data File : VU045095.D
Acq On : 04 Oct 2021 14:48
Operator : SY/MD
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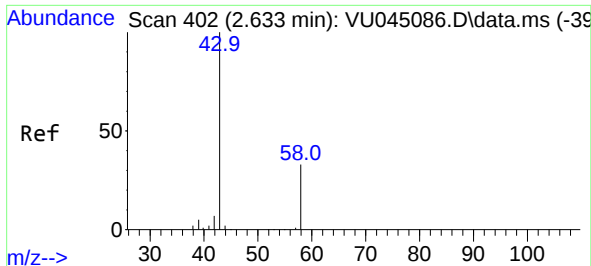
Instrument :
MSVOA_U
ClientSampleId :
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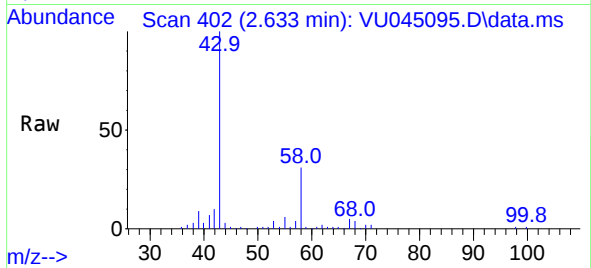
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Quant Time: Oct 05 02:45:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 05 02:41:56 2021
Response via : Initial Calibration

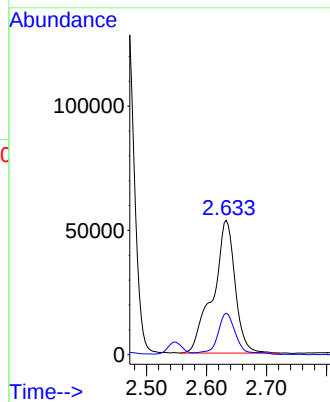
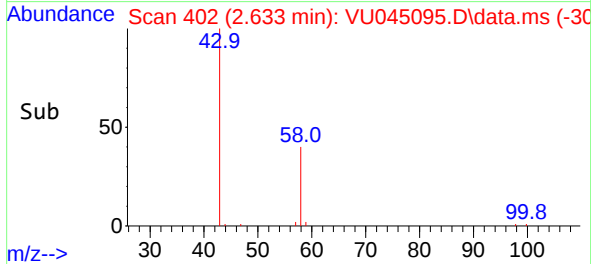




#13
Acetone
Concen: 45.94 ug/L
RT: 2.633 min Scan# 402
Delta R.T. 0.000 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48



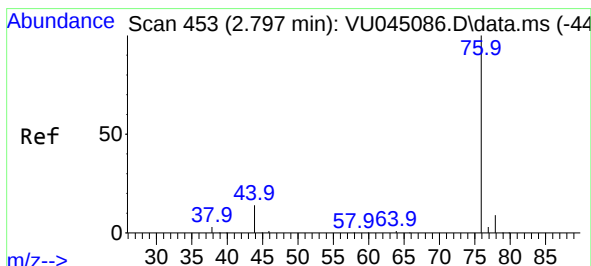
Tgt Ion: 43 Resp: 136136
Ion Ratio Lower Upper
43 100
58 25.3 0.0 62.8



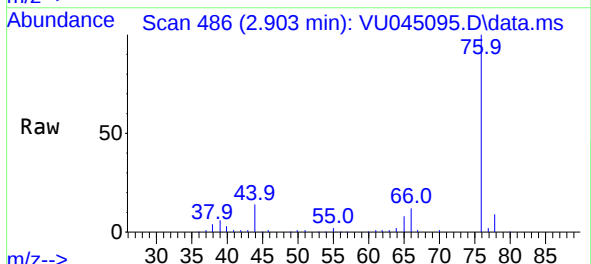
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MSVOA_U
ClientSampled :
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Manual Integrations
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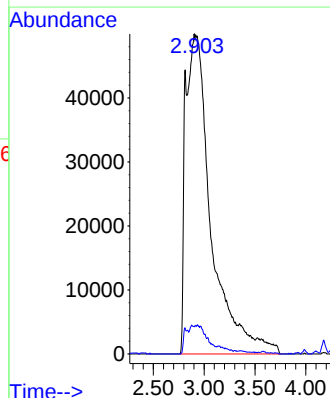
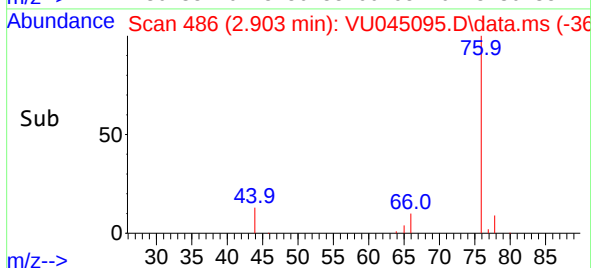
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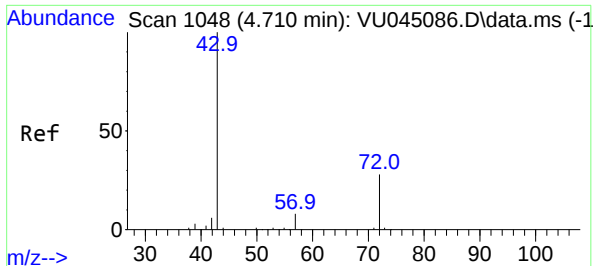


#14
Carbon disulfide
Concen: 118.79 ug/L m
RT: 2.903 min Scan# 486
Delta R.T. 0.106 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48



Tgt Ion: 76 Resp: 872934
Ion Ratio Lower Upper
76 100
78 8.5 7.3 10.9





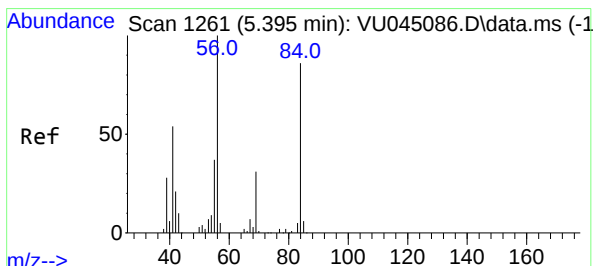
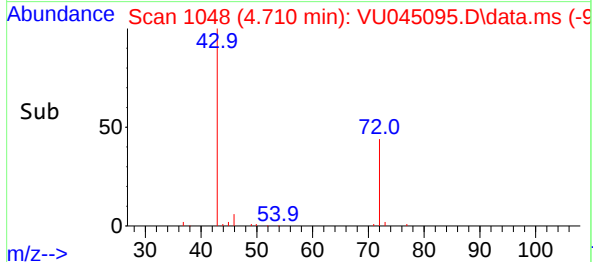
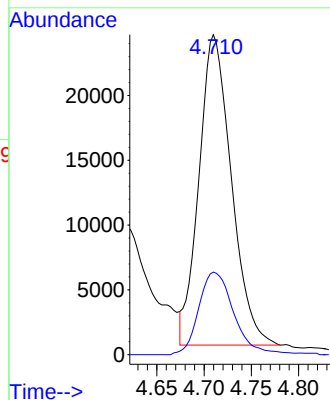
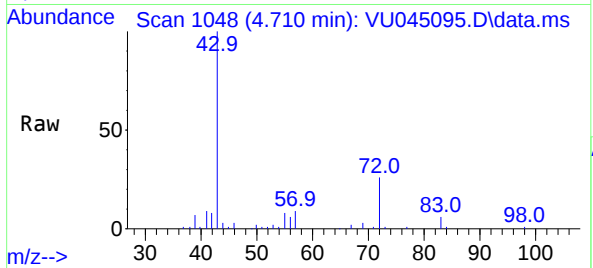
#22
2-Butanone
Concen: 17.20 ug/L
RT: 4.710 min Scan# 1048
Delta R.T. 0.000 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Tgt Ion: 43 Resp: 57060
Ion Ratio Lower Upper
43 100
72 28.8 13.3 39.9

Instrument :
MSVOA_U
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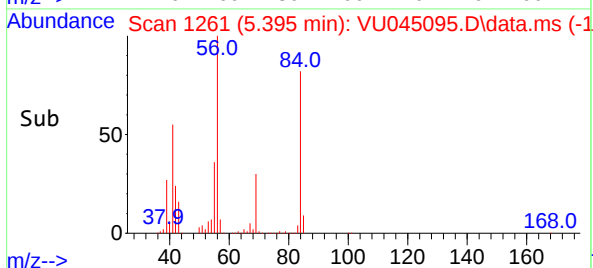
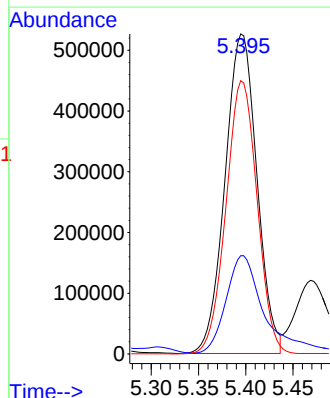
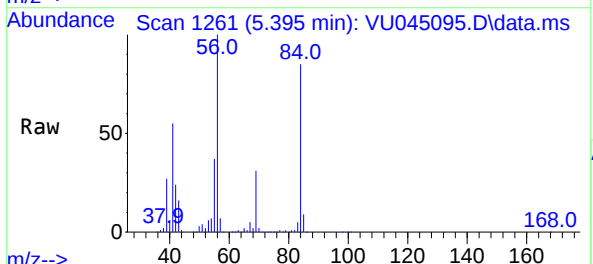
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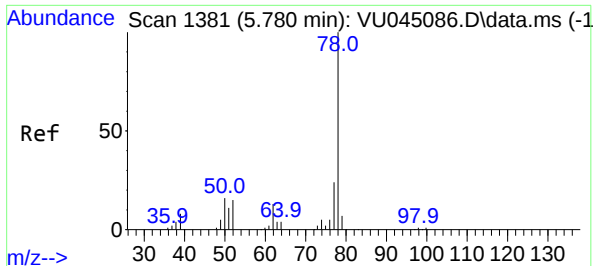
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#29
Cyclohexane
Concen: 268.69 ug/L
RT: 5.395 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Tgt Ion: 56 Resp: 1236103
Ion Ratio Lower Upper
56 100
69 37.7 23.8 35.8#
84 83.7 66.8 100.2





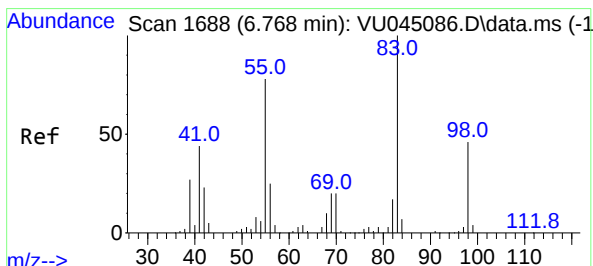
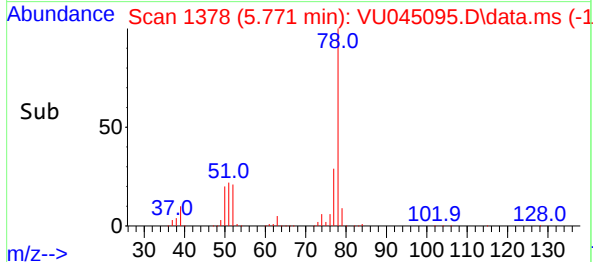
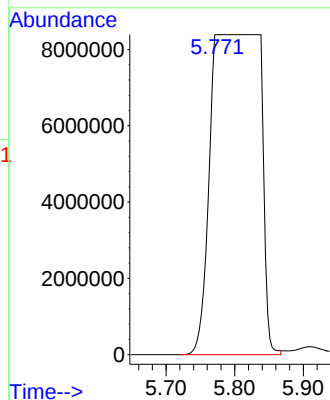
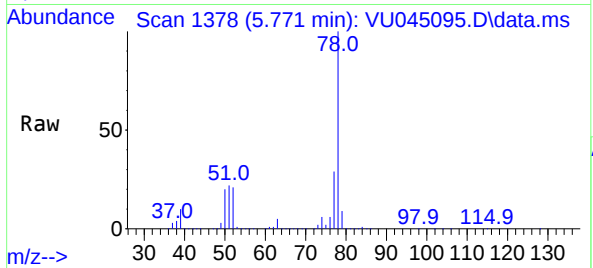
#33
Benzene
Concen: 3711.80 ug/L m
RT: 5.771 min Scan# 1378
Delta R.T. -0.010 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Tgt Ion: 78 Resp:42134739

Instrument :
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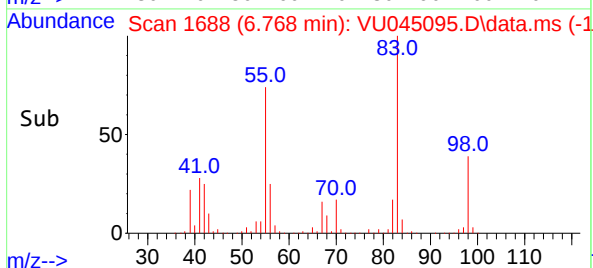
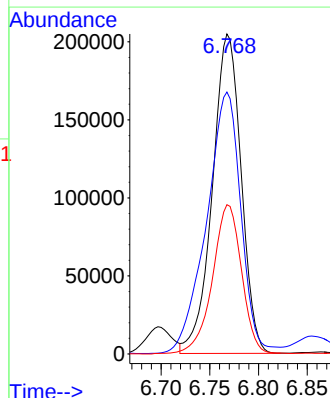
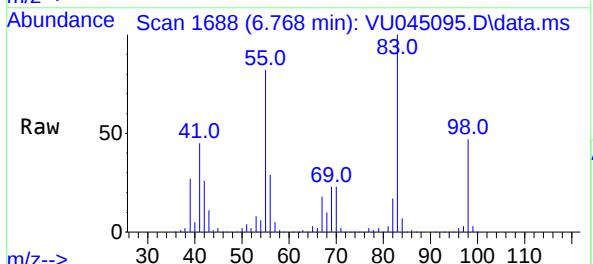
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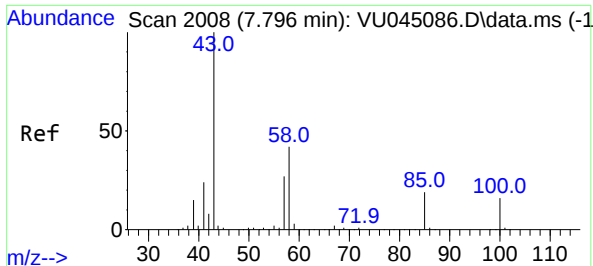
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#35
Methylcyclohexane
Concen: 92.04 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Tgt Ion: 83 Resp: 420155
Ion Ratio Lower Upper
83 100
55 98.0 65.8 98.6
98 47.6 37.1 55.7





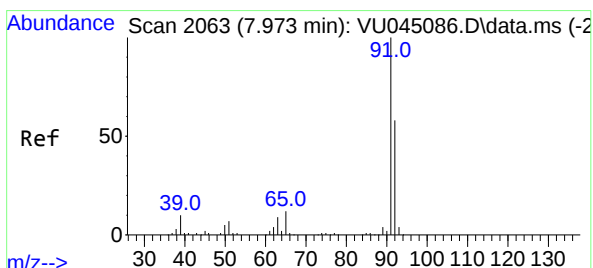
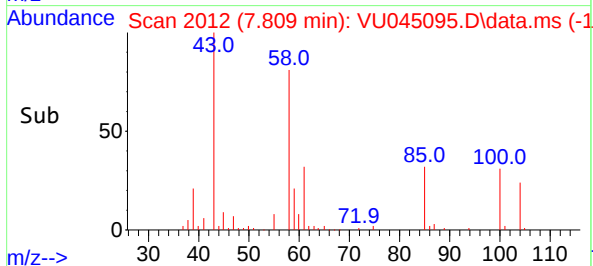
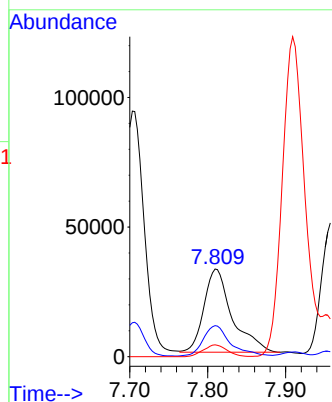
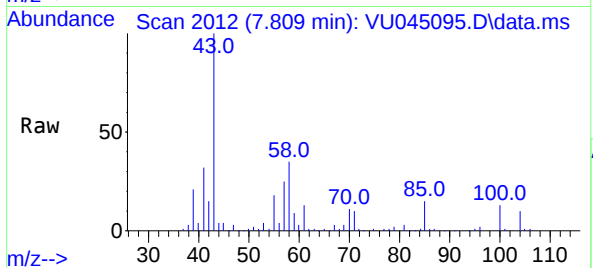
#40
4-Methyl-2-pentanone
Concen: 15.64 ug/L
RT: 7.809 min Scan# 2012
Delta R.T. 0.013 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Tgt Ion: 43 Resp: 80730
Ion Ratio Lower Upper
43 100
58 35.4 31.8 47.8
100 12.0 11.8 17.6

Instrument :
MSVOA_U
ClientSampled :
F4A14

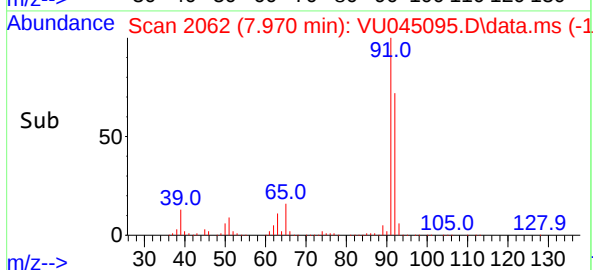
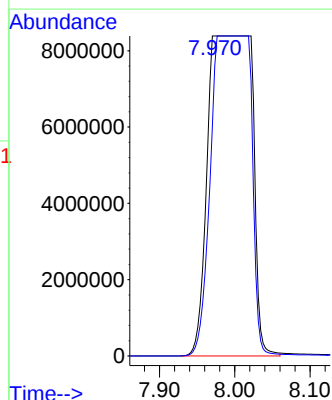
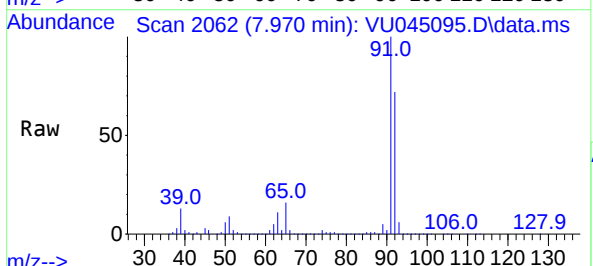
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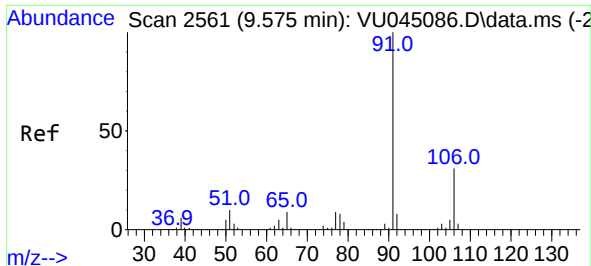
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#42
Toluene
Concen: 2964.63 ug/L m
RT: 7.970 min Scan# 2062
Delta R.T. -0.003 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Tgt Ion: 91 Resp: 34193552
Ion Ratio Lower Upper
91 100
92 71.7 40.5 75.1





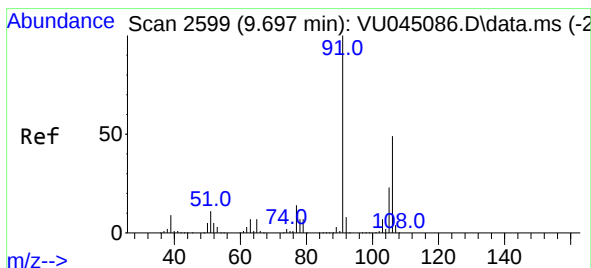
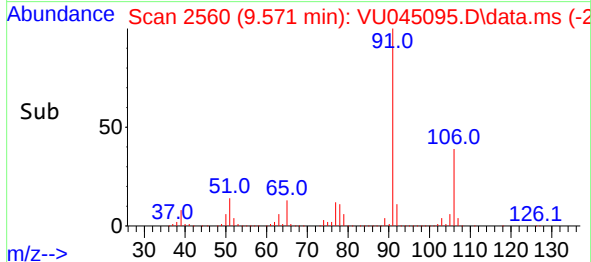
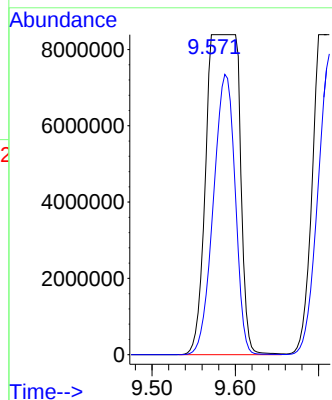
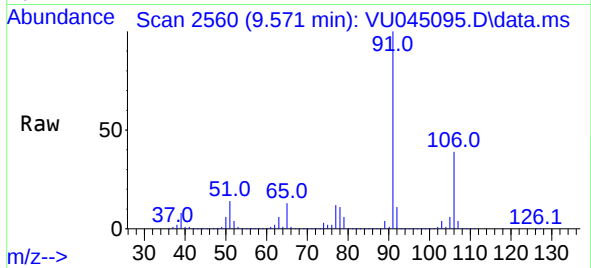
#52
Ethylbenzene
Concen: 1918.19 ug/L m
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Instrument :
MSVOA_U
ClientSampled :
F4A14

Tgt Ion: 91 Resp:23371879
Ion Ratio Lower Upper
91 100
106 39.1 21.2 39.4

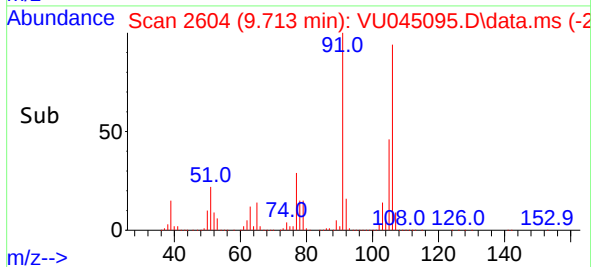
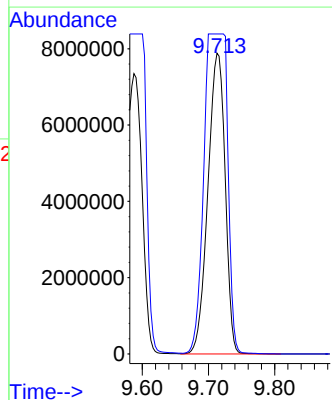
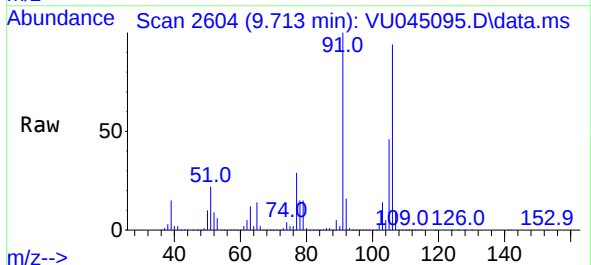
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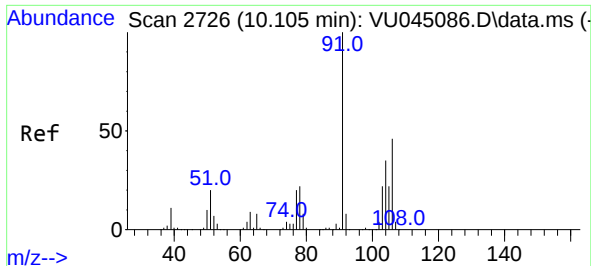
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#53
m,p-Xylene
Concen: 3089.71 ug/L m
RT: 9.713 min Scan# 2604
Delta R.T. 0.016 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Tgt Ion:106 Resp:14261173
Ion Ratio Lower Upper
106 100
91 106.4 146.7 272.4#





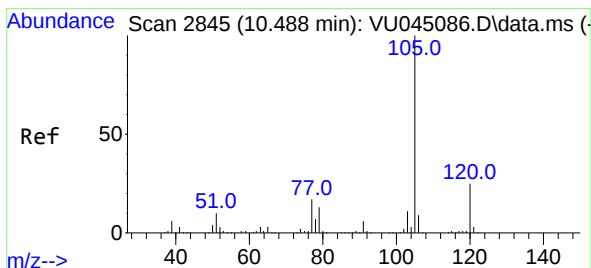
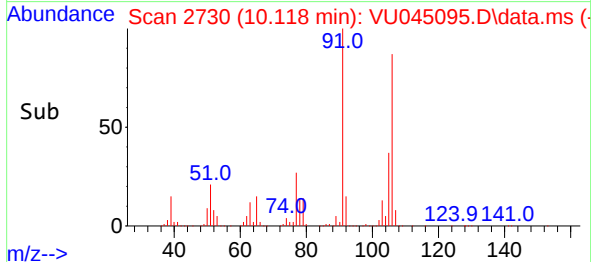
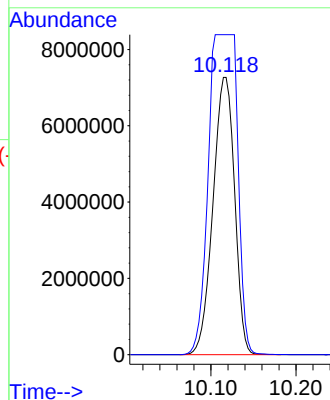
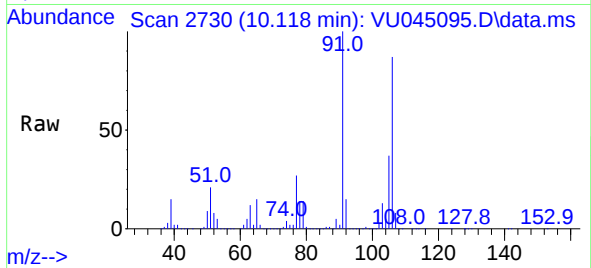
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o-xylene
Concen: 2825.23 ug/L m
RT: 10.118 min Scan# 2730
Delta R.T. 0.013 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Tgt Ion:106 Resp:12814326
Ion Ratio Lower Upper
106 100
91 115.4 152.9 283.9#

Instrument :
MSVOA_U
ClientSampled :
F4A14

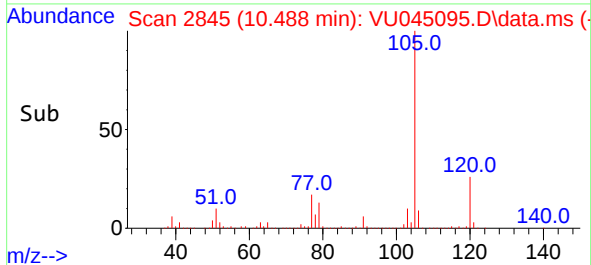
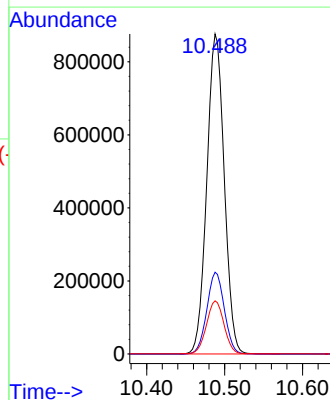
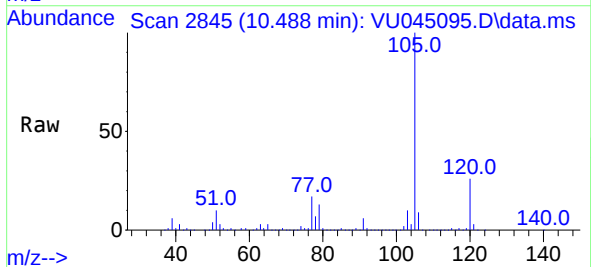
Manual Integrations
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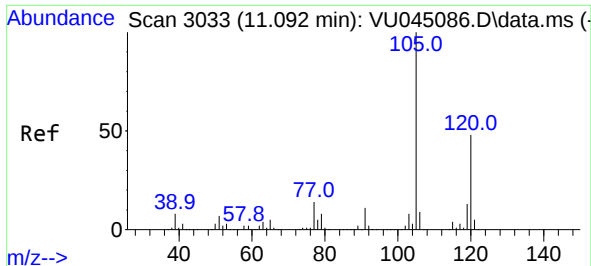
MMDadoda
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#61
Isopropylbenzene
Concen: 110.95 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Tgt Ion:105 Resp: 1359712
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7
77 16.5 13.5 20.3





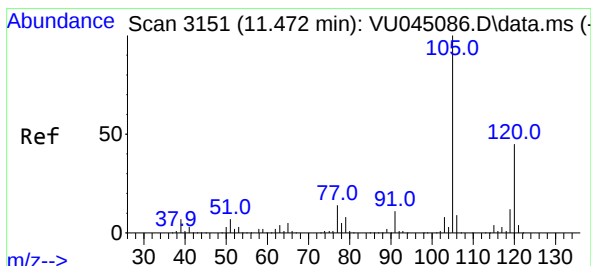
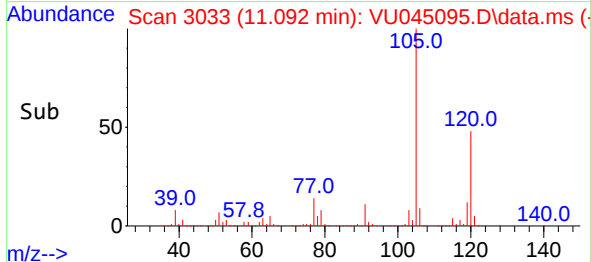
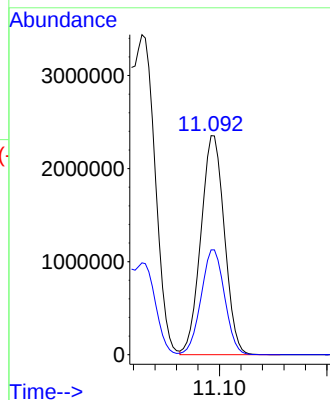
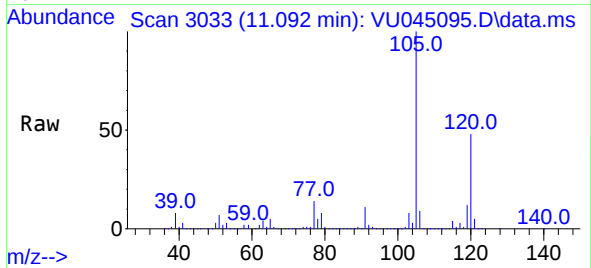
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1,3,5-Trimethylbenzene
Concen: 349.02 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Tgt Ion:105 Resp: 3572253
Ion Ratio Lower Upper
105 100
120 47.9 38.8 58.2

Instrument :
MSVOA_U
ClientSampled :
F4A14

Manual Integrations
APPROVED

MMDadoda
10/11/2021 11:53:41 AM



#63
1,2,4-Trimethylbenzene
Concen: 1497.59 ug/L m
RT: 11.475 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VU045095.D
Acq: 04 Oct 2021 14:48

Tgt Ion:105 Resp:15696033
Ion Ratio Lower Upper
105 100
120 10.9 35.7 53.5#

