

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100721\
 Data File : VU045231.D
 Acq On : 08 Oct 2021 00:39
 Operator : SY/MD
 Sample : M4138-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW7F3

Manual Integrations
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Quant Time: Oct 08 02:14:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 07 22:18:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	293457	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.424	117	303954	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	147662	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	111623	34.746	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	69.500%		
7) Chloroethane-d5	1.893	69	97808	38.421	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	76.840%		
11) 1,1-Dichloroethene-d2	2.562	63	151809	28.139	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	56.280%#		
21) 2-Butanone-d5	4.626	46	210326	82.815	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	82.810%		
24) Chloroform-d	5.067	84	202410	39.893	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.780%		
26) 1,2-Dichloroethane-d4	5.707	65	145222	42.255	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.520%		
32) Benzene-d6	5.729	84	420543	39.873	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.740%		
36) 1,2-Dichloropropane-d6	6.694	67	137282	39.918	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	79.840%		
41) Toluene-d8	7.903	98	390550	42.908	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.820%		
43) trans-1,3-Dichloroprop...	8.182	79	61582	40.255	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.520%		
47) 2-Hexanone-d5	8.639	63	153402	80.491	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	80.490%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	217629	40.638	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	81.280%		
66) 1,2-Dichlorobenzene-d4	12.198	152	146736	45.662	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.320%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.572	96	2520	1.109	ug/L #	1
13) Acetone	2.633	43	14518	4.945	ug/L	98
14) Carbon disulfide	2.790	76	15471	2.125	ug/L	98
19) 1,1-Dichloroethane	3.874	63	141957	28.504	ug/L	98
20) cis-1,2-Dichloroethene	4.674	96	3251	1.232	ug/L	82
22) 2-Butanone	4.710	43	117100	35.638	ug/L	98
29) Cyclohexane	5.391	56	16348	3.578	ug/L	97
33) Benzene	5.777	78	176478	15.654	ug/L	100
35) Methylcyclohexane	6.764	83	49685	10.960	ug/L	97
40) 4-Methyl-2-pentanone	7.797	43	86280	16.827	ug/L	97
42) Toluene	7.977	91	11342866	990.254	ug/L	96
51) Chlorobenzene	9.452	112	3381	0.478	ug/L #	83
52) Ethylbenzene	9.571	91	21418848m	1770.077	ug/L	
53) m,p-Xylene	9.710	106	25245974m	5507.466	ug/L	
54) o-xylene	10.118	106	11280501m	2504.289	ug/L	
61) Isopropylbenzene	10.488	105	716967	66.345	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	404131	44.779	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	1336630	144.630	ug/L	100

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Manual Integrations
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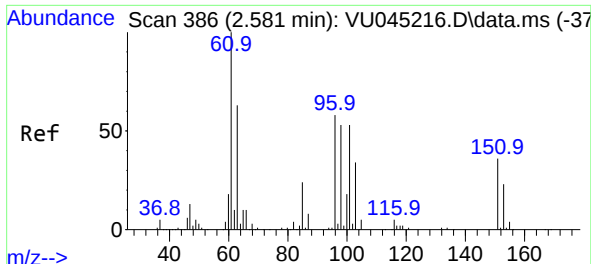
Quant Time: Oct 08 02:14:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 07 22:18:46 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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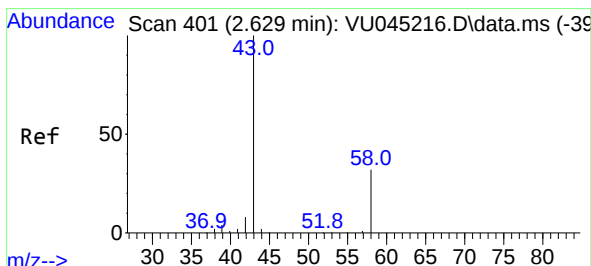
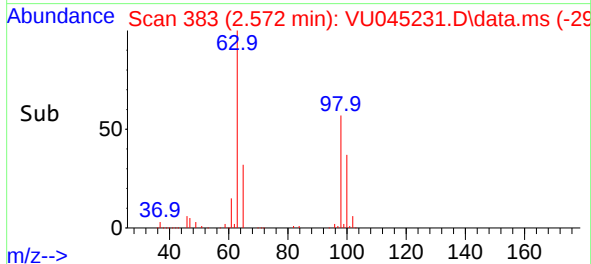
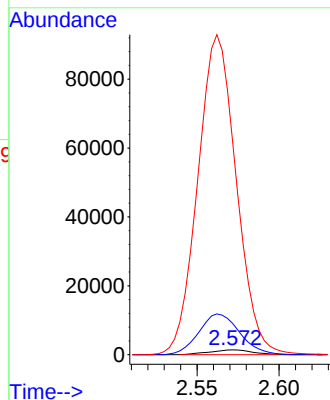
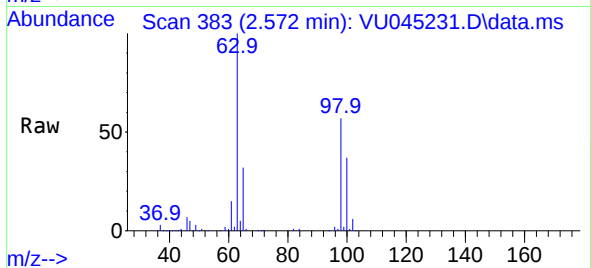
#12
1,1-Dichloroethene
Concen: 1.109 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.010 min
Lab File: VU045231.D
Acq: 08 Oct 2021 00:39

Tgt Ion: 96 Resp: 2520
Ion Ratio Lower Upper
96 100
61 641.3 131.3 243.9#
63 4366.9 102.5 190.3#

Instrument :
MSVOA_U
ClientSampleId :
EW7F3

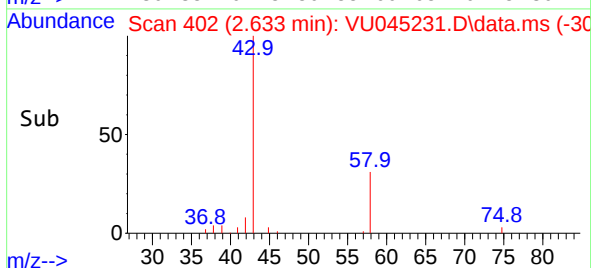
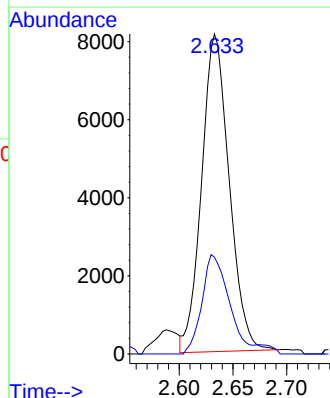
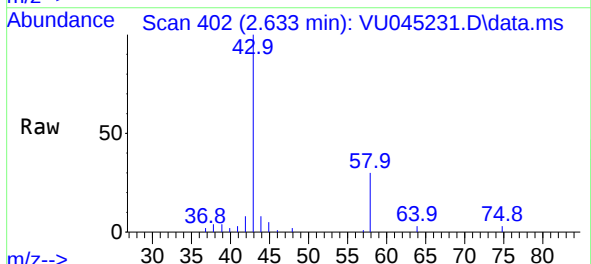
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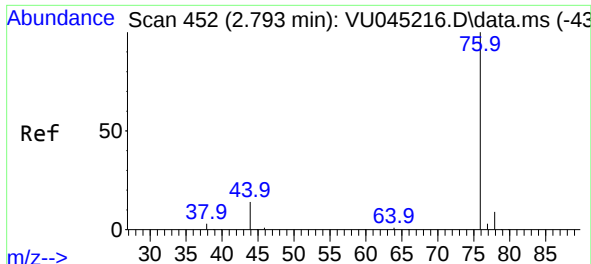
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#13
Acetone
Concen: 4.945 ug/L
RT: 2.633 min Scan# 402
Delta R.T. 0.003 min
Lab File: VU045231.D
Acq: 08 Oct 2021 00:39

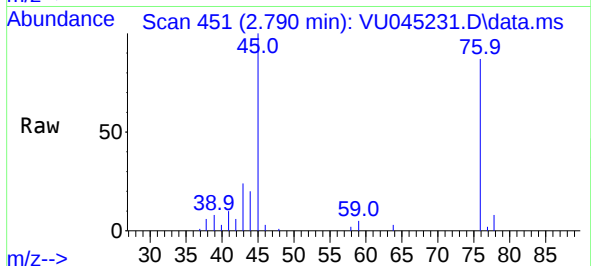
Tgt Ion: 43 Resp: 14518
Ion Ratio Lower Upper
43 100
58 30.4 0.0 62.8





#14
Carbon disulfide
Concen: 2.125 ug/L
RT: 2.790 min Scan# 451
Delta R.T. -0.003 min
Lab File: VU045231.D
Acq: 08 Oct 2021 00:39

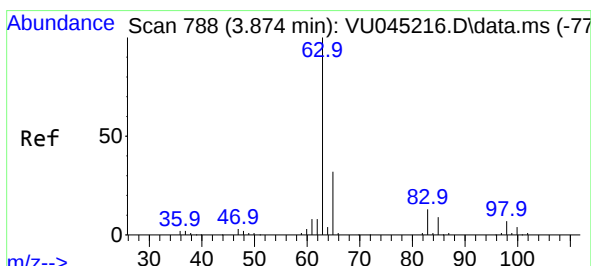
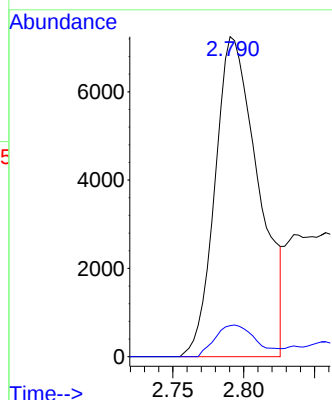
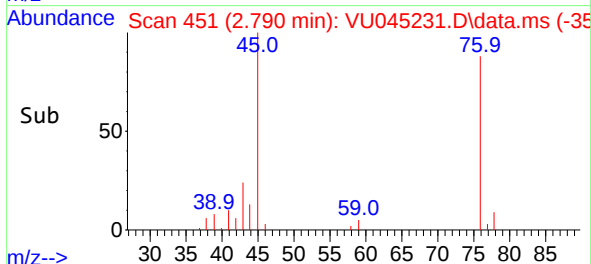
Instrument :
MSVOA_U
ClientSampled :
EW7F3



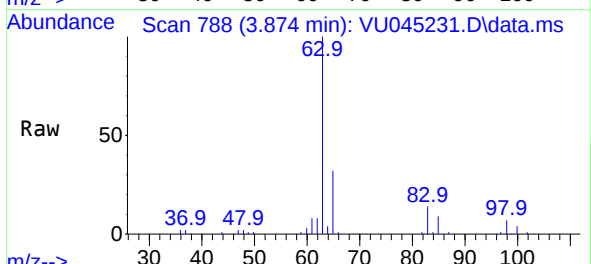
Tgt Ion: 76 Resp: 15471
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9

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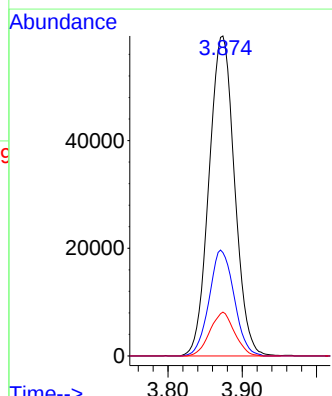
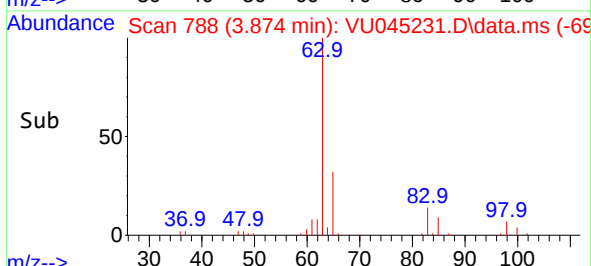
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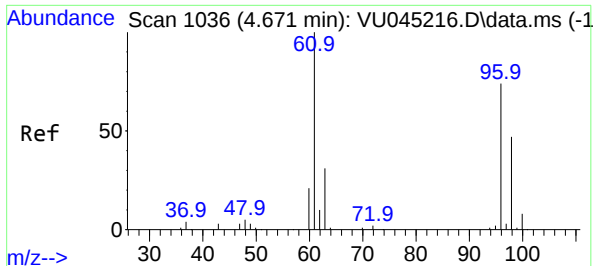


#19
1,1-Dichloroethane
Concen: 28.504 ug/L
RT: 3.874 min Scan# 788
Delta R.T. 0.000 min
Lab File: VU045231.D
Acq: 08 Oct 2021 00:39



Tgt Ion: 63 Resp: 141957
Ion Ratio Lower Upper
63 100
65 32.3 22.0 40.8
83 13.7 9.0 16.6





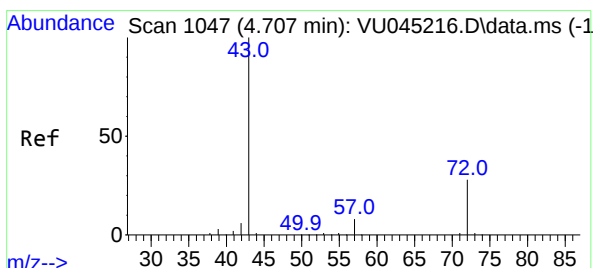
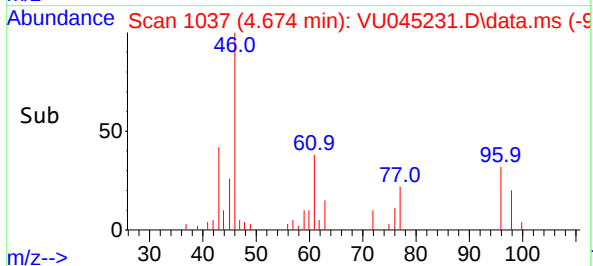
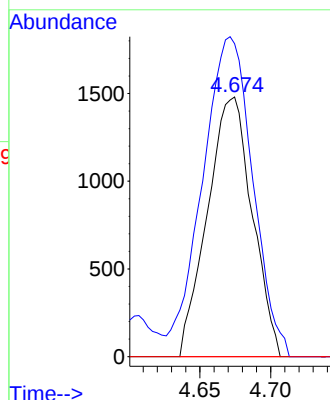
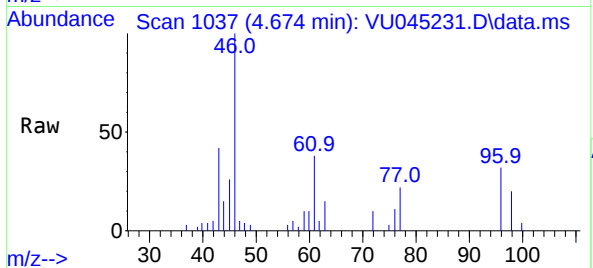
#20
cis-1,2-Dichloroethene
Concen: 1.232 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. 0.003 min
Lab File: VU045231.D
Acq: 08 Oct 2021 00:39

Tgt Ion: 96 Resp: 3251
Ion Ratio Lower Upper
96 100
61 120.5 100.2 186.0
68 0.0 0.0 0.0

Instrument :
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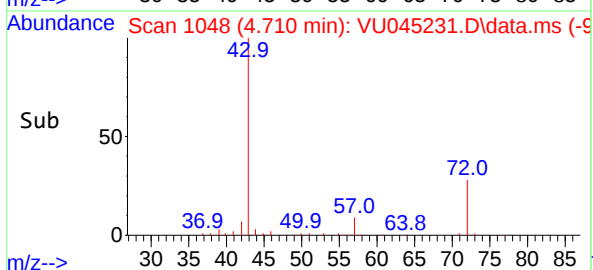
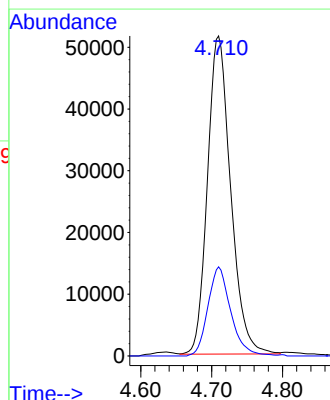
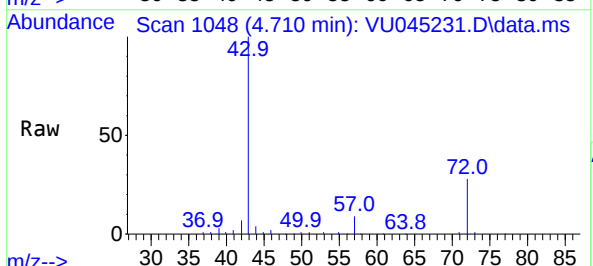
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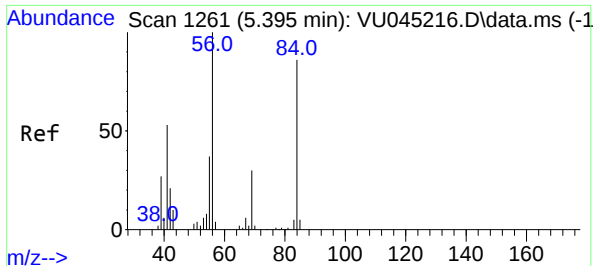
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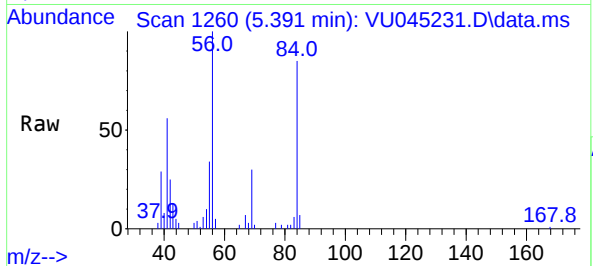
#22
2-Butanone
Concen: 35.638 ug/L
RT: 4.710 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU045231.D
Acq: 08 Oct 2021 00:39

Tgt Ion: 43 Resp: 117100
Ion Ratio Lower Upper
43 100
72 27.6 13.3 39.9

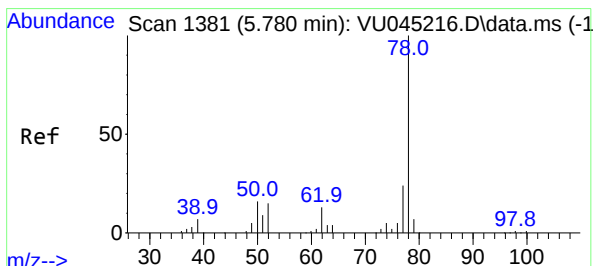
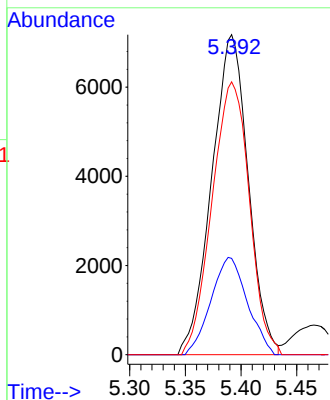
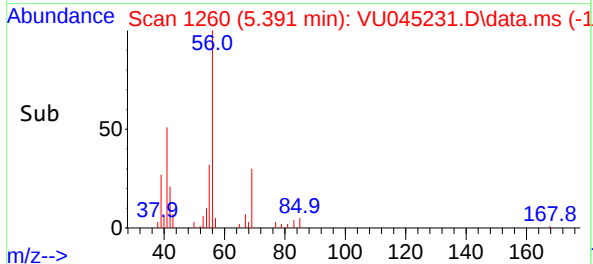




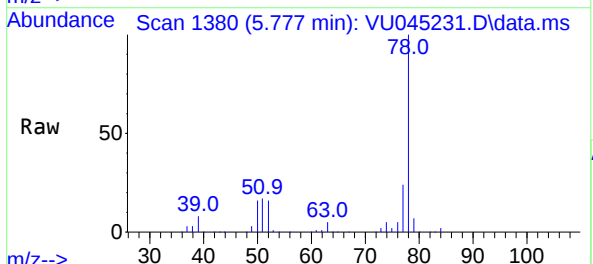
#29
Cyclohexane
Concen: 3.578 ug/L
RT: 5.391 min Scan# 1260
Delta R.T. -0.003 min
Lab File: VU045231.D
Acq: 08 Oct 2021 00:39



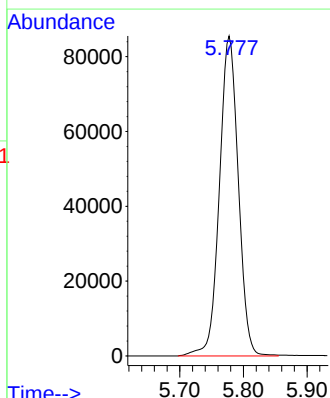
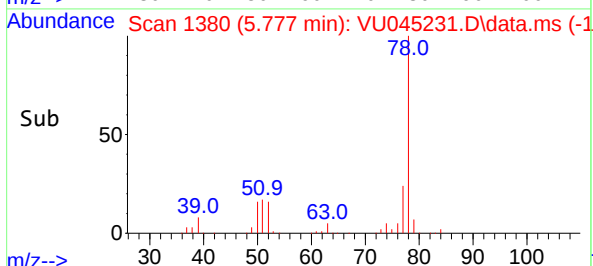
Tgt Ion: 56 Resp: 16348
Ion Ratio Lower Upper
56 100
69 30.3 23.8 35.8
84 87.1 66.8 100.2



#33
Benzene
Concen: 15.654 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU045231.D
Acq: 08 Oct 2021 00:39



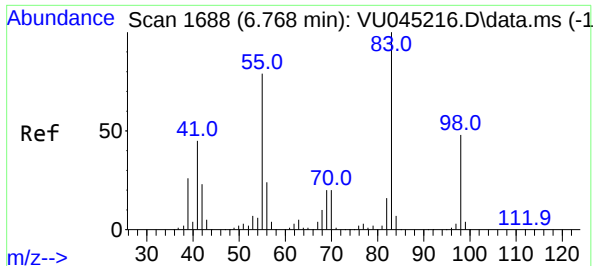
Tgt Ion: 78 Resp: 176478



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#35

Methylcyclohexane

Concen: 10.960 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. -0.003 min

Lab File: VU045231.D

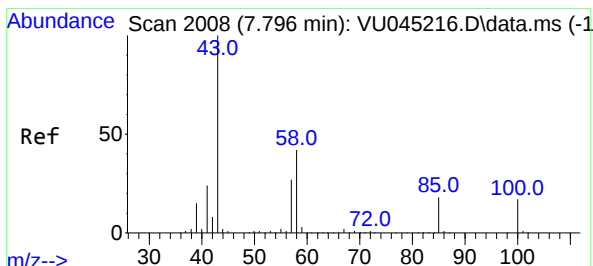
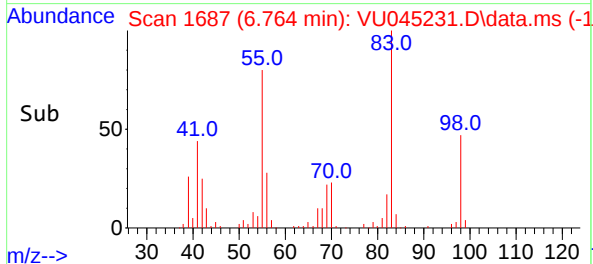
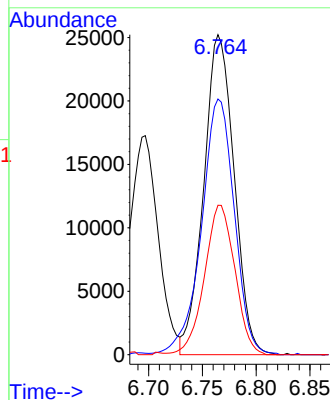
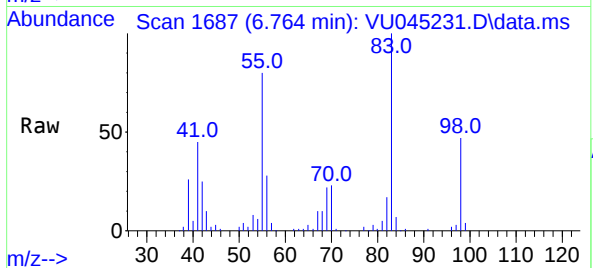
Acq: 08 Oct 2021 00:39

Tgt Ion:	83	Resp:	49685
Ion	Ratio	Lower	Upper
83	100		
55	86.4	65.8	98.6
98	46.8	37.1	55.7

Instrument :
MSVOA_U
ClientSampled :
EW7F3

Manual Integrations
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#40

4-Methyl-2-pentanone

Concen: 16.827 ug/L

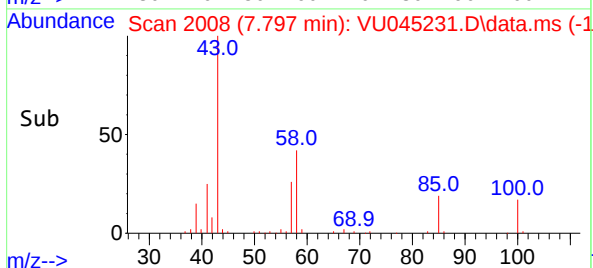
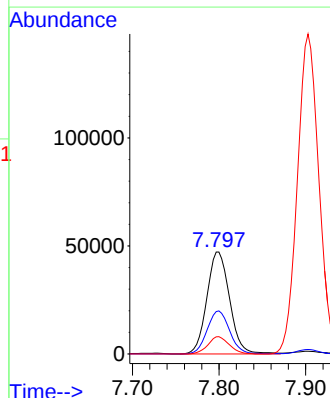
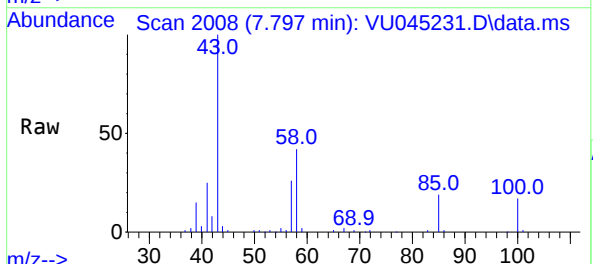
RT: 7.797 min Scan# 2008

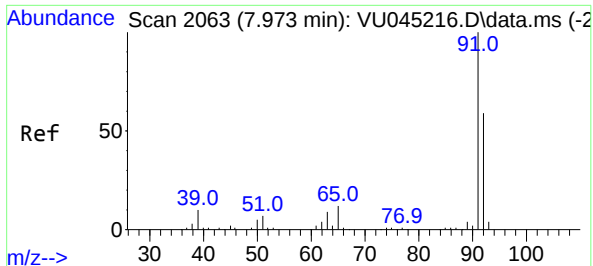
Delta R.T. 0.000 min

Lab File: VU045231.D

Acq: 08 Oct 2021 00:39

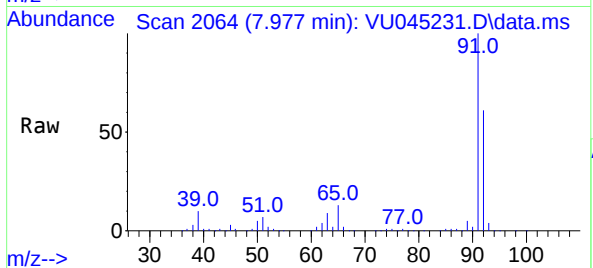
Tgt Ion:	43	Resp:	86280
Ion	Ratio	Lower	Upper
43	100		
58	41.8	31.8	47.8
100	15.8	11.8	17.6





#42
Toluene
Concen: 990.254 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. 0.003 min
Lab File: VU045231.D
Acq: 08 Oct 2021 00:39

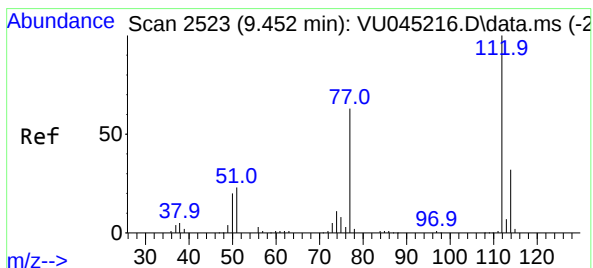
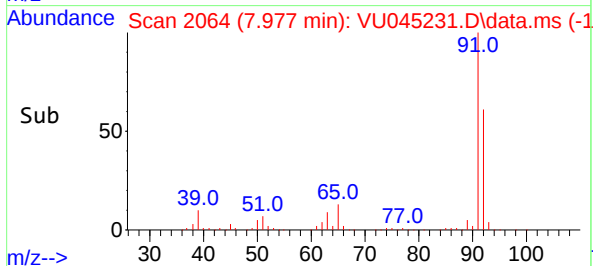
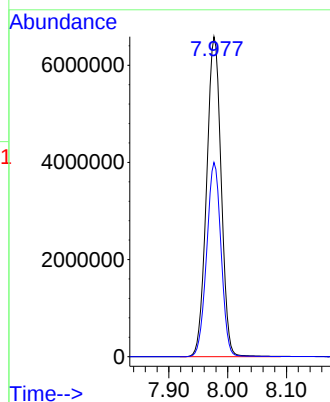
Instrument :
MSVOA_U
ClientSampled :
EW7F3



Tgt Ion: 91 Resp: 11342866
Ion Ratio Lower Upper
91 100
92 60.7 40.5 75.1

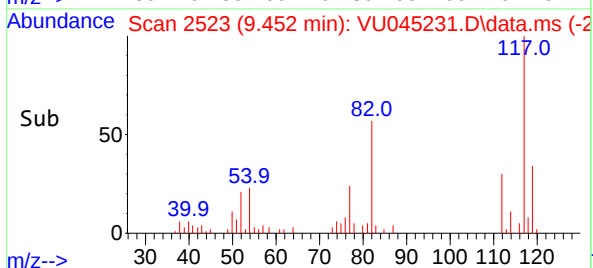
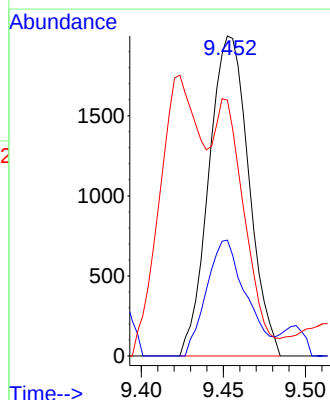
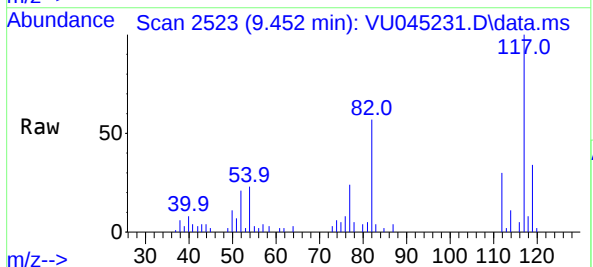
Manual Integrations
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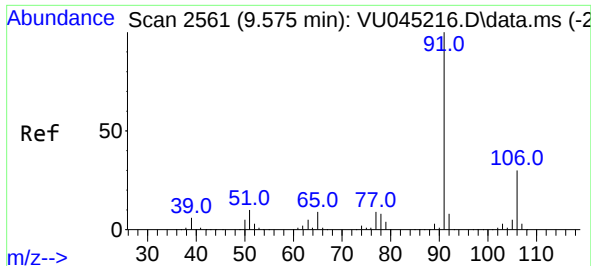
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#51
Chlorobenzene
Concen: 0.478 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. 0.000 min
Lab File: VU045231.D
Acq: 08 Oct 2021 00:39

Tgt Ion: 112 Resp: 3381
Ion Ratio Lower Upper
112 100
114 36.2 22.5 41.9
77 79.9 50.6 75.8#





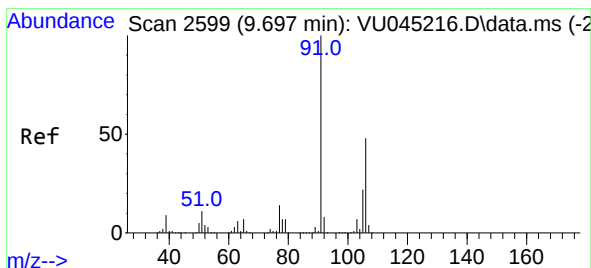
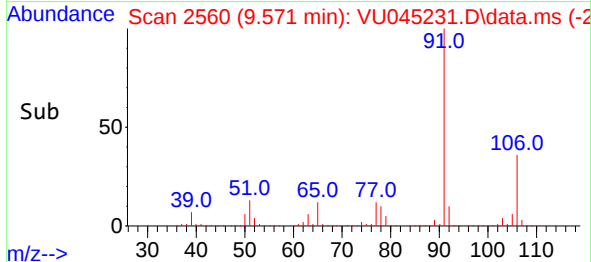
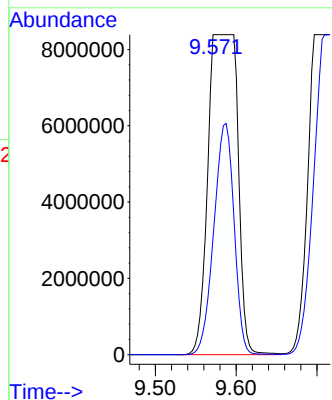
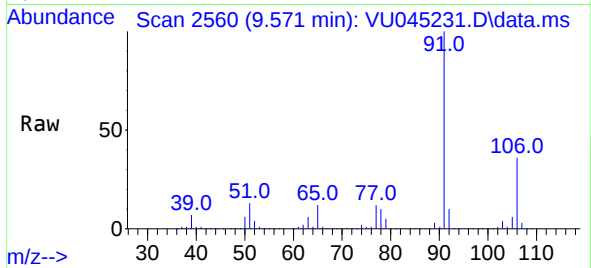
#52
Ethylbenzene
Concen: 1770.077 ug/L m
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU045231.D
Acq: 08 Oct 2021 00:39

Instrument :
MSVOA_U
ClientSampled :
EW7F3

Tgt Ion: 91 Resp:21418848
Ion Ratio Lower Upper
91 100
106 36.3 21.2 39.4

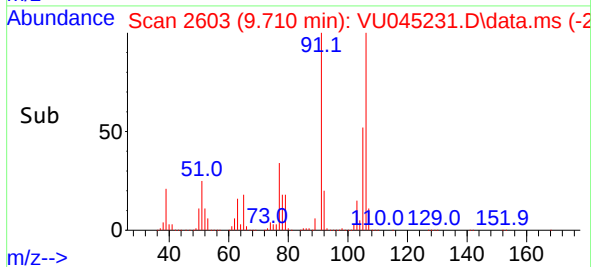
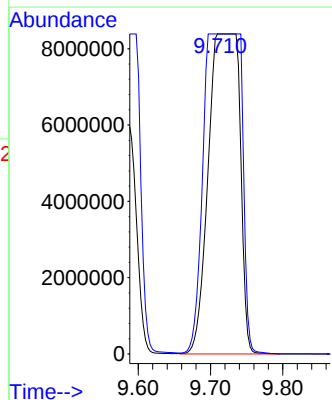
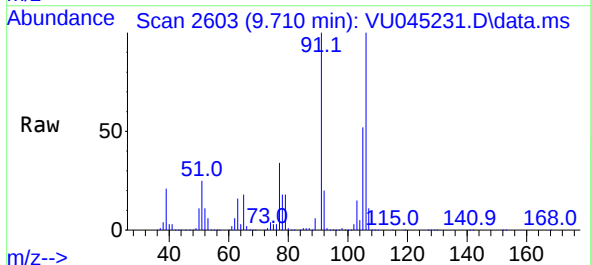
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APPROVED

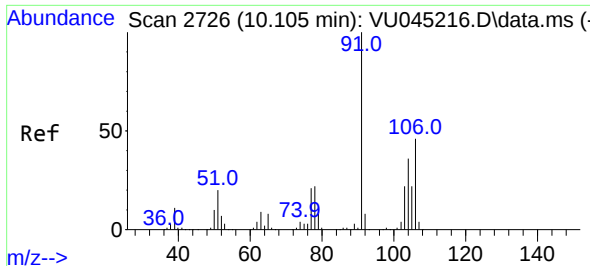
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#53
m,p-Xylene
Concen: 5507.466 ug/L m
RT: 9.710 min Scan# 2603
Delta R.T. 0.013 min
Lab File: VU045231.D
Acq: 08 Oct 2021 00:39

Tgt Ion:106 Resp:25245974
Ion Ratio Lower Upper
106 100
91 100.0 146.7 272.4#





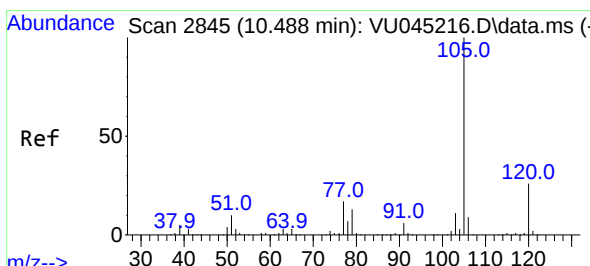
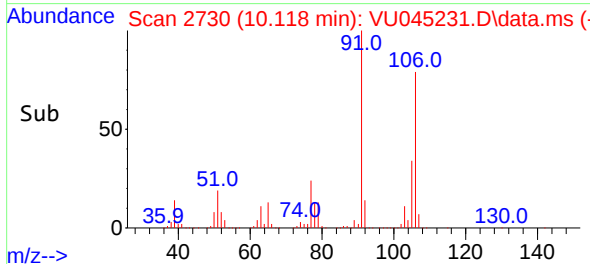
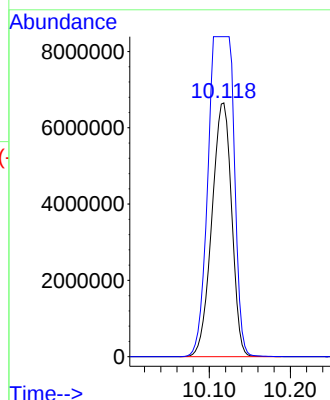
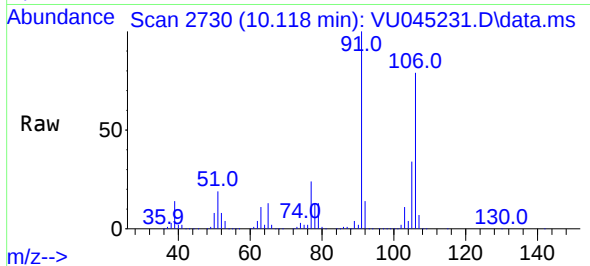
#54
o-xylene
Concen: 2504.289 ug/L m
RT: 10.118 min Scan# 2730
Delta R.T. 0.013 min
Lab File: VU045231.D
Acq: 08 Oct 2021 00:39

Instrument :
MSVOA_U
ClientSampled :
EW7F3

Tgt Ion:106 Resp:11280501
Ion Ratio Lower Upper
106 100
91 126.1 152.9 283.9#

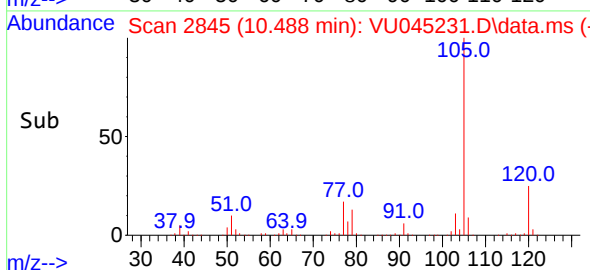
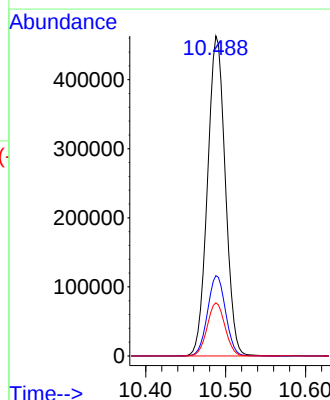
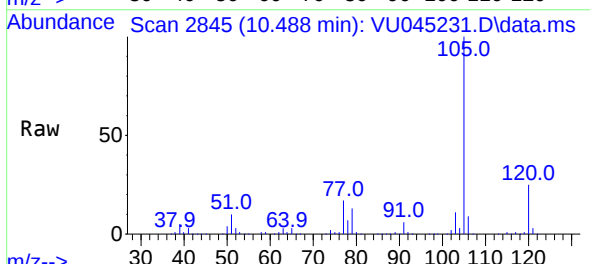
Manual Integrations
APPROVED

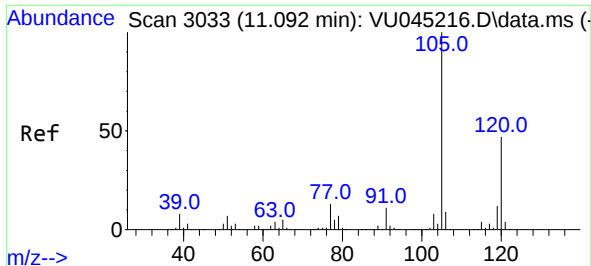
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#61
Isopropylbenzene
Concen: 66.345 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU045231.D
Acq: 08 Oct 2021 00:39

Tgt Ion:105 Resp: 716967
Ion Ratio Lower Upper
105 100
120 25.4 20.5 30.7
77 16.7 13.5 20.3





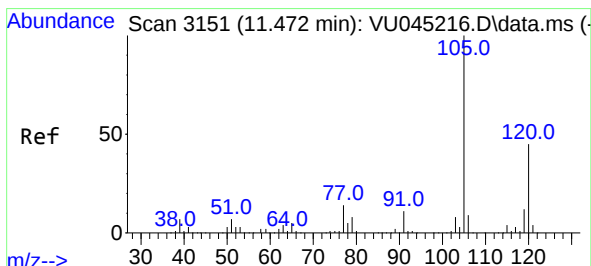
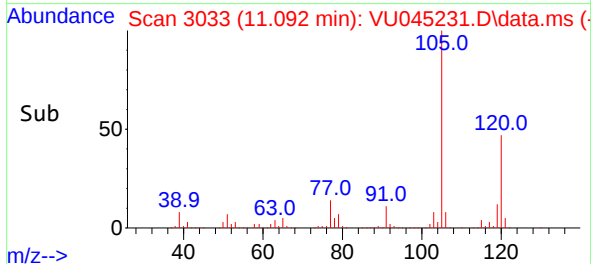
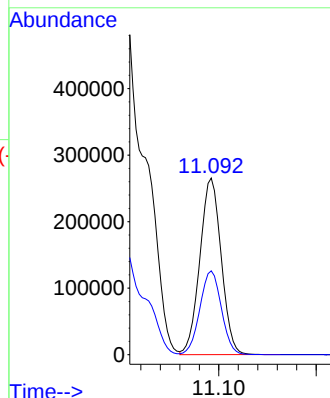
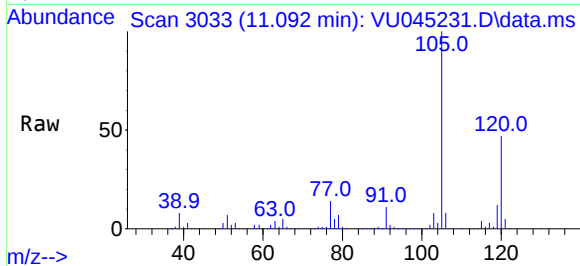
#62
1,3,5-Trimethylbenzene
Concen: 44.779 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU045231.D
Acq: 08 Oct 2021 00:39

Tgt Ion:105 Resp: 404131
Ion Ratio Lower Upper
105 100
120 47.8 38.8 58.2

Instrument :
MSVOA_U
ClientSampleId :
EW7F3

Manual Integrations
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10/11/2021 1:55:26 PM



#63
1,2,4-Trimethylbenzene
Concen: 144.630 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VU045231.D
Acq: 08 Oct 2021 00:39

Tgt Ion:105 Resp: 1336630
Ion Ratio Lower Upper
105 100
120 44.5 35.7 53.5

