

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044869.D
 Acq On : 26 Sep 2021 04:41
 Operator : SY/MD
 Sample : M3888-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 20896

Quant Time: Sep 27 03:16:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 25 09:30:46 2021
 Response via : Initial Calibration

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

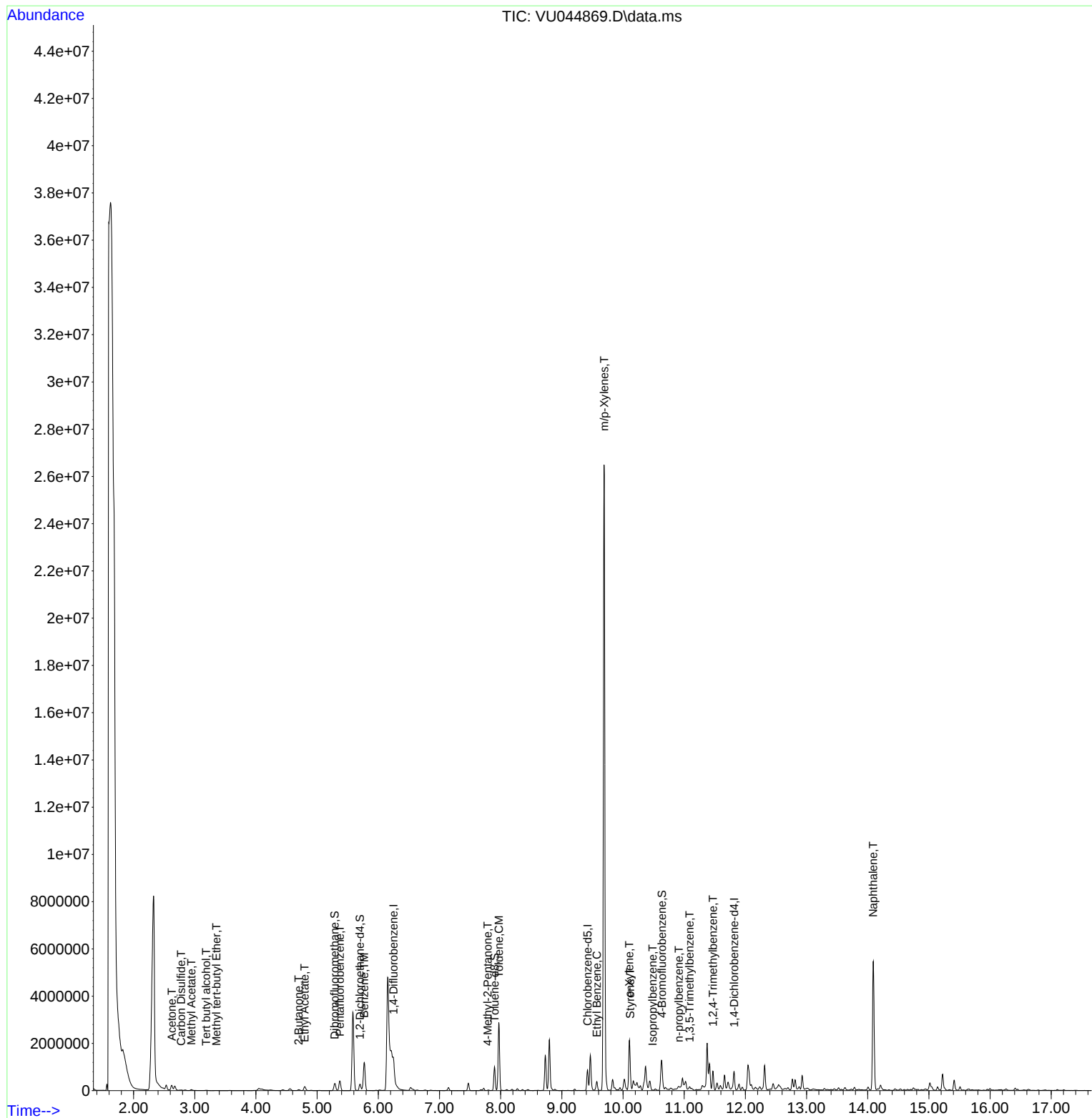
Internal Standards						
1) Pentafluorobenzene	5.372	168	269600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	479556	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	444488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	183097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	202589	43.056	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.120%	
35) Dibromofluoromethane	5.285	113	135130	41.075	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.140%	
50) Toluene-d8	7.899	98	628321	50.569	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.140%	
62) 4-Bromofluorobenzene	10.636	95	209758	45.452	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.900%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.189	59	16317	11.881	ug/l #	84
16) Acetone	2.623	43	293555	110.605	ug/l	100
17) Carbon Disulfide	2.777	76	6153	0.674	ug/l	98
18) Methyl Acetate	2.945	43	64270	7.248	ug/l	96
19) Methyl tert-butyl Ether	3.356	73	5978	0.493	ug/l	99
25) 2-Butanone	4.700	43	55500	13.782	ug/l	99
37) Ethyl Acetate	4.797	43	228087	30.551	ug/l	95
40) Benzene	5.771	78	1027947	66.264	ug/l	96
51) 4-Methyl-2-Pentanone	7.790	43	8549	1.148	ug/l	91
52) Toluene	7.970	92	1171965	126.361	ug/l	99
67) Ethyl Benzene	9.571	91	252668	15.341	ug/l	99
68) m/p-Xylenes	9.694	106	627270	99.579	ug/l	98
69) o-Xylene	10.102	106	478402	78.541	ug/l	98
70) Styrene	10.118	104	252872	22.774	ug/l #	75
73) Isopropylbenzene	10.485	105	10507	0.809	ug/l	97
78) n-propylbenzene	10.912	91	57188	3.632	ug/l #	75
80) 1,3,5-Trimethylbenzene	11.089	105	76133	6.916	ug/l	97
84) 1,2,4-Trimethylbenzene	11.472	105	380451	35.058	ug/l	86
95) Naphthalene	14.089	128	3583113	251.271	ug/l	100

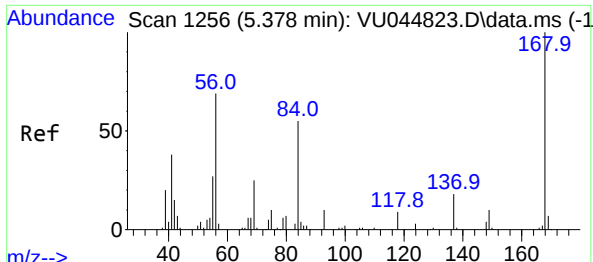
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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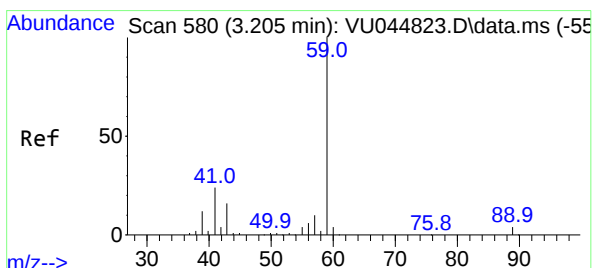
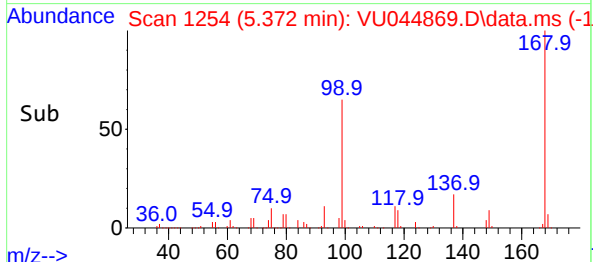
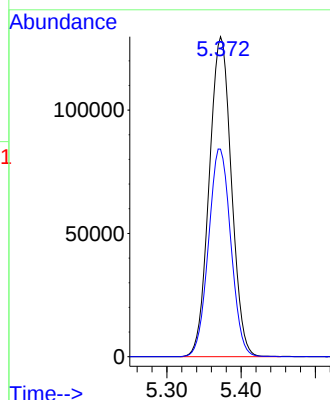
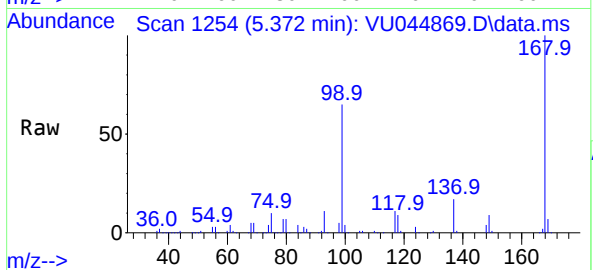




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.006 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

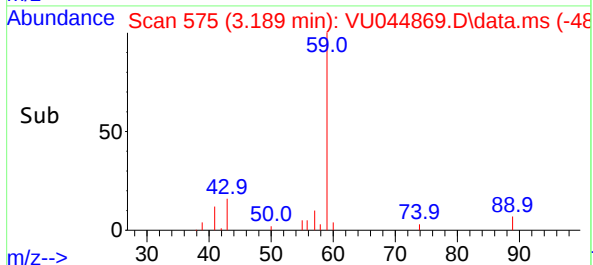
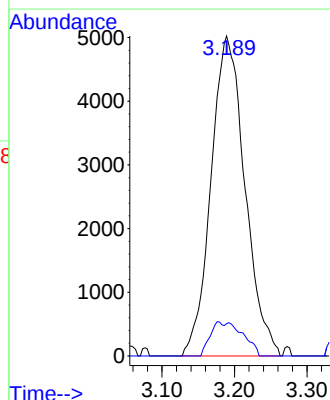
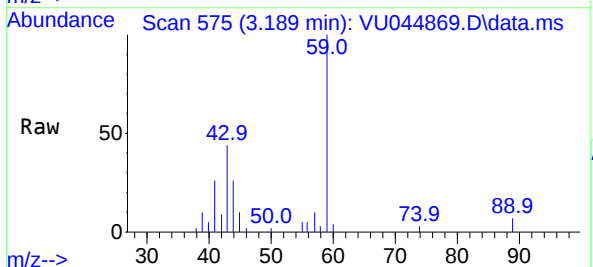
Instrument :
MSVOA_U
ClientSampleId :
20896

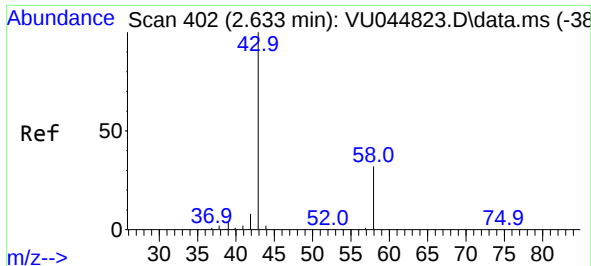
Tgt Ion:168 Resp: 269600
Ion Ratio Lower Upper
168 100
99 64.8 51.4 77.0



#11
Tert butyl alcohol
Concen: 11.881 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.016 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

Tgt Ion: 59 Resp: 16317
Ion Ratio Lower Upper
59 100
57 4.5 8.3 12.5#

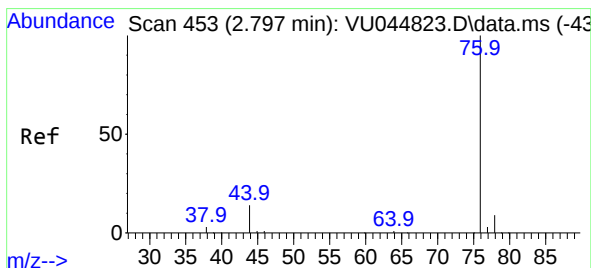
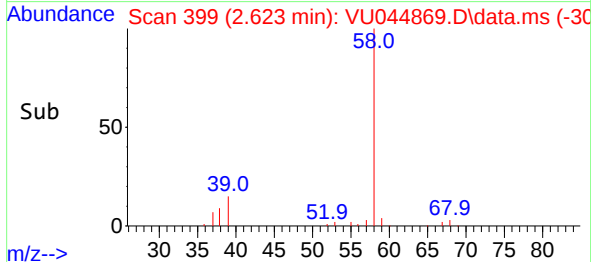
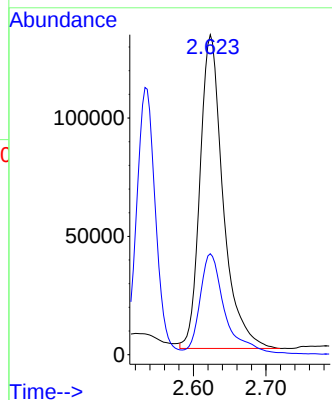
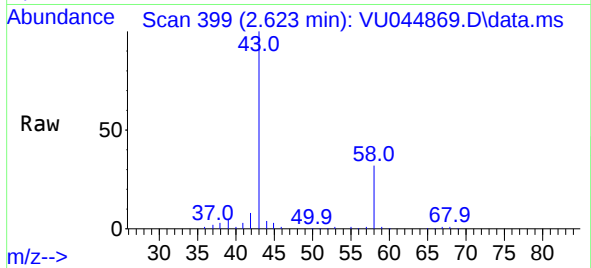




#16
Acetone
Concen: 110.605 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.010 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

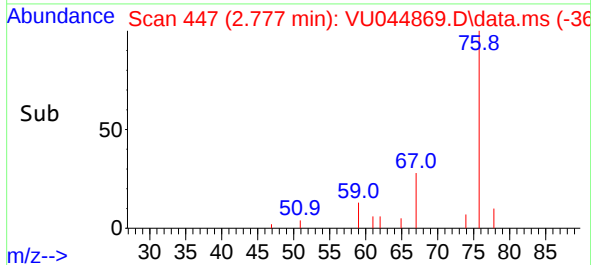
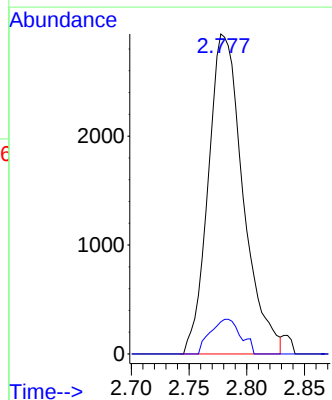
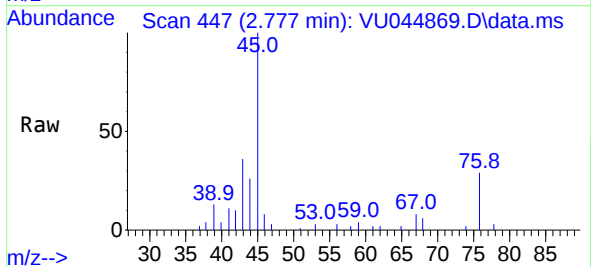
Instrument :
MSVOA_U
ClientSampleId :
20896

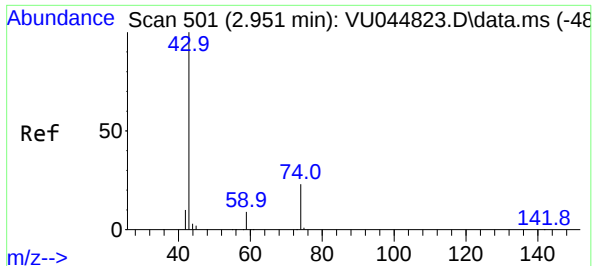
Tgt Ion: 43 Resp: 293555
Ion Ratio Lower Upper
43 100
58 31.5 25.2 37.8



#17
Carbon Disulfide
Concen: 0.674 ug/l
RT: 2.777 min Scan# 447
Delta R.T. -0.019 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

Tgt Ion: 76 Resp: 6153
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.0

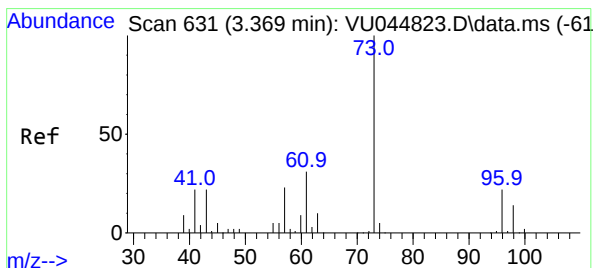
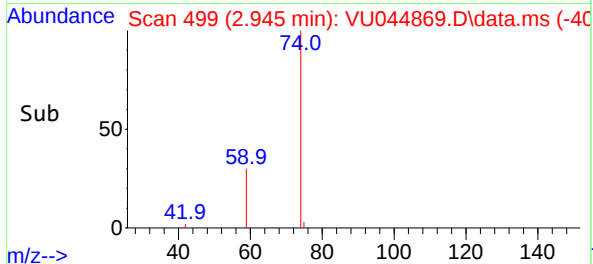
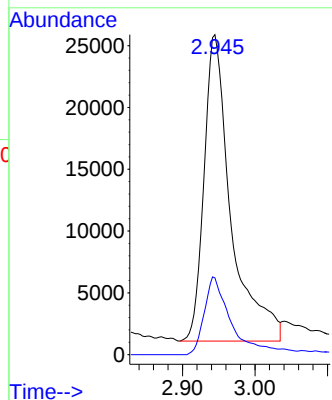
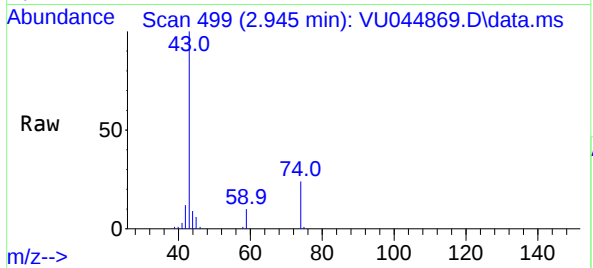




#18
Methyl Acetate
Concen: 7.248 ug/l
RT: 2.945 min Scan# 499
Delta R.T. -0.006 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

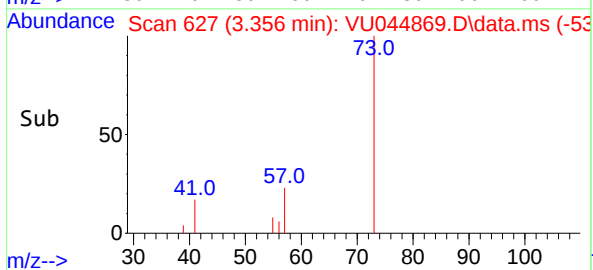
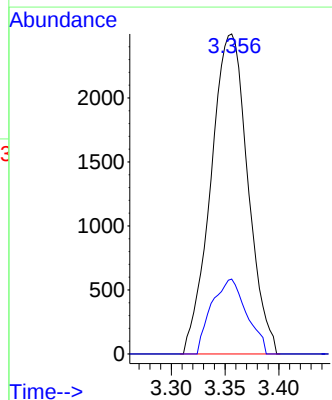
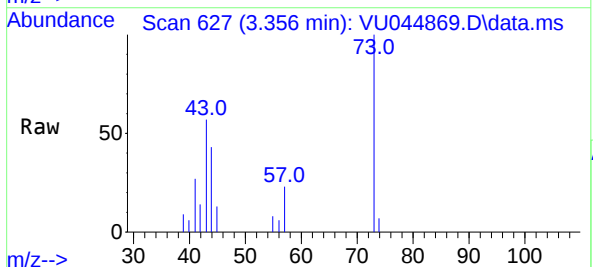
Instrument :
MSVOA_U
ClientSampleId :
20896

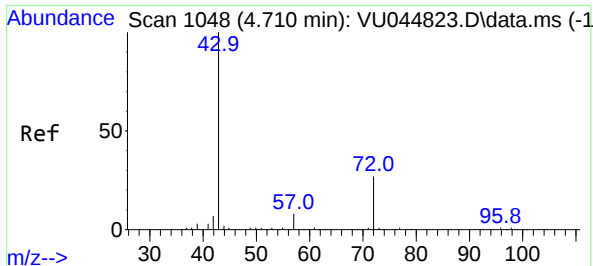
Tgt Ion: 43 Resp: 64270
Ion Ratio Lower Upper
43 100
74 25.8 19.0 28.6



#19
Methyl tert-butyl Ether
Concen: 0.493 ug/l
RT: 3.356 min Scan# 627
Delta R.T. -0.013 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

Tgt Ion: 73 Resp: 5978
Ion Ratio Lower Upper
73 100
57 23.4 18.2 27.2





#25

2-Butanone

Concen: 13.782 ug/l

RT: 4.700 min Scan# 1045

Delta R.T. -0.010 min

Lab File: VU044869.D

Acq: 26 Sep 2021 04:41

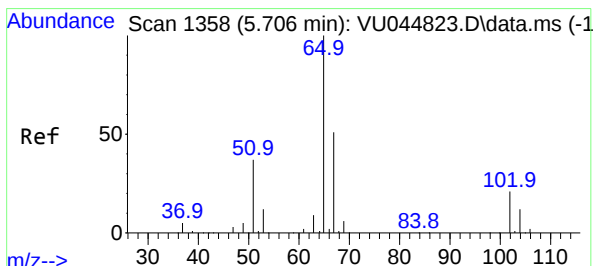
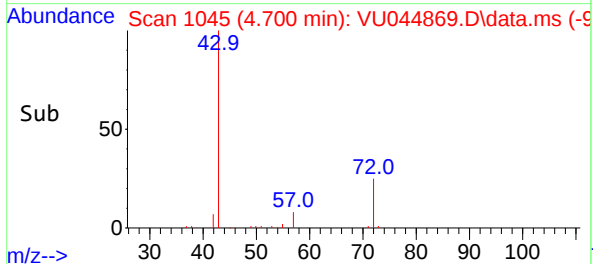
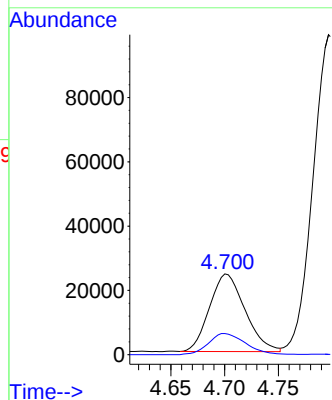
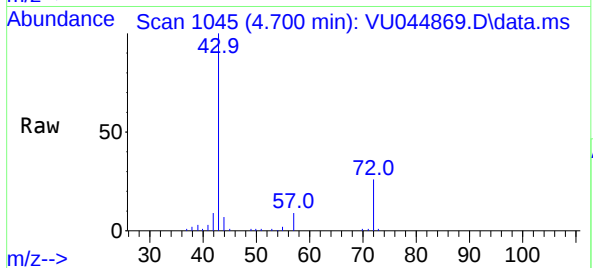
Instrument :
MSVOA_U
ClientSampled :
20896

Tgt Ion: 43 Resp: 55500

Ion Ratio Lower Upper

43 100

72 27.3 21.3 31.9



#33

1,2-Dichloroethane-d4

Concen: 43.056 ug/l

RT: 5.700 min Scan# 1356

Delta R.T. -0.006 min

Lab File: VU044869.D

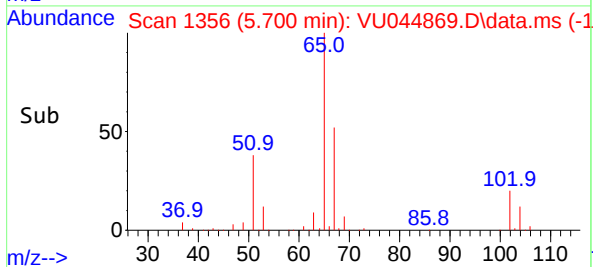
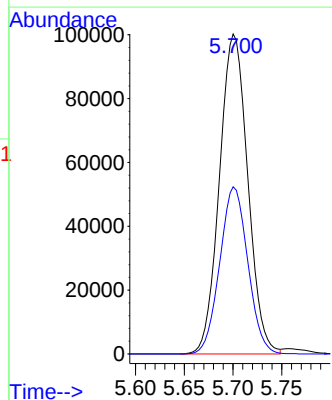
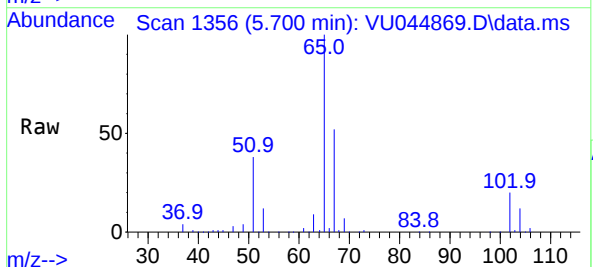
Acq: 26 Sep 2021 04:41

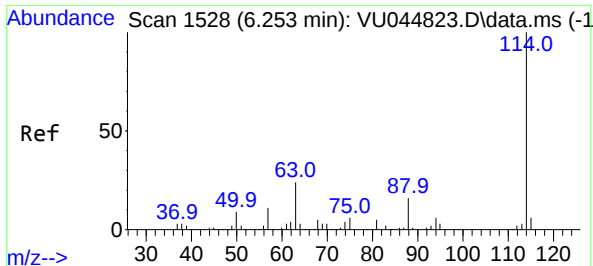
Tgt Ion: 65 Resp: 202589

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.8



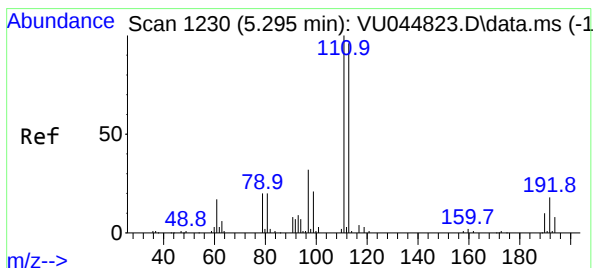
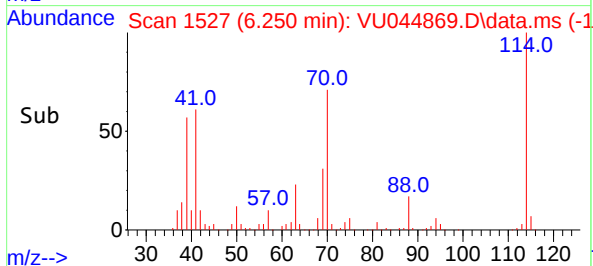
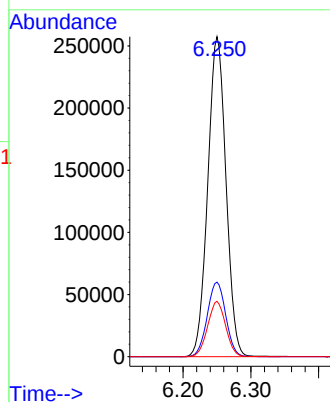
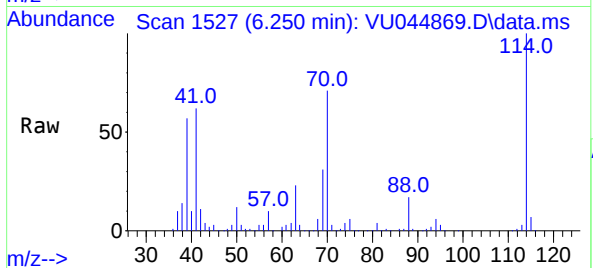


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.250 min Scan# 1527
Delta R.T. -0.003 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

Instrument :
MSVOA_U
ClientSampleId :
20896

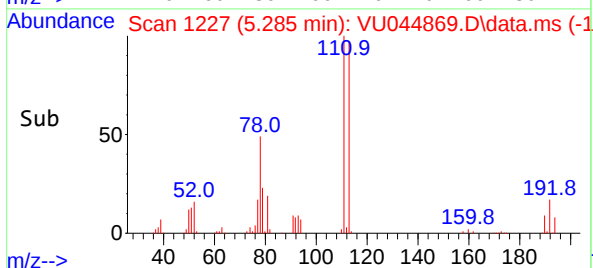
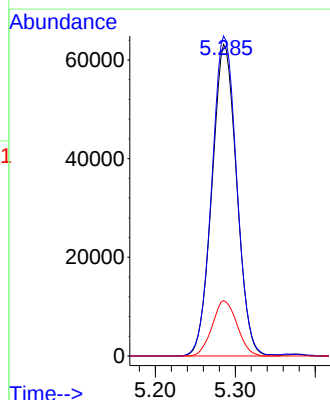
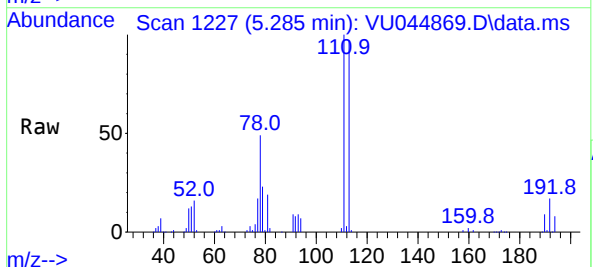
Tgt Ion:114 Resp: 479556
Ion Ratio Lower Upper
114 100
63 23.3 0.0 47.8
88 17.3 0.0 32.8

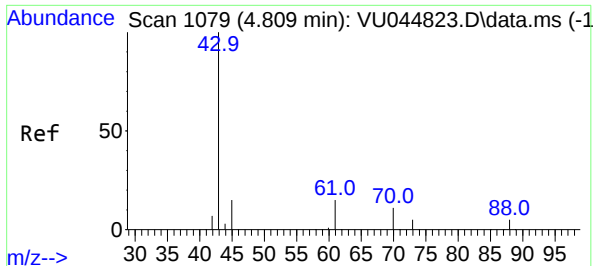


#35

Dibromofluoromethane
Concen: 41.075 ug/l
RT: 5.285 min Scan# 1227
Delta R.T. -0.010 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

Tgt Ion:113 Resp: 135130
Ion Ratio Lower Upper
113 100
111 103.3 84.1 126.1
192 17.9 14.8 22.2

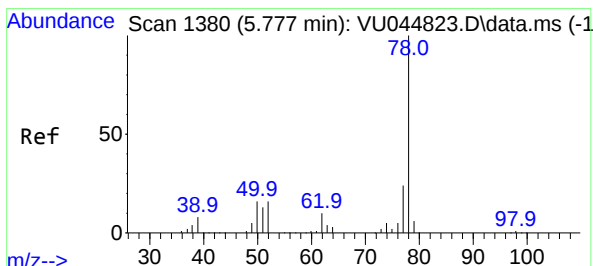
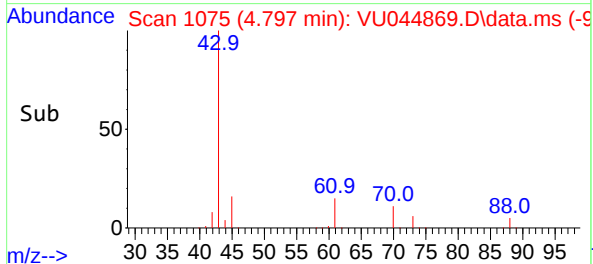
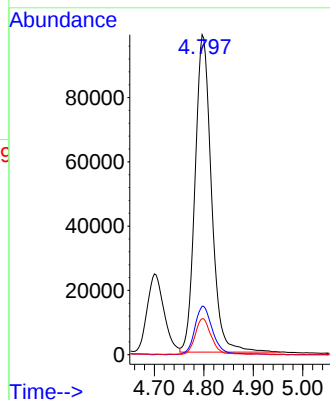
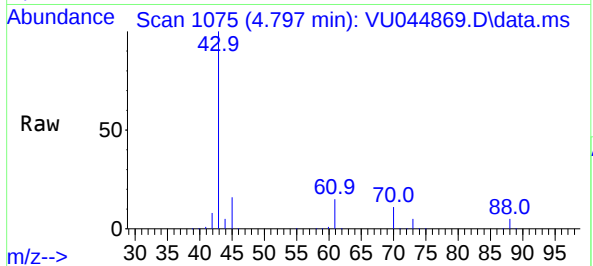




#37
Ethyl Acetate
Concen: 30.551 ug/l
RT: 4.797 min Scan# 1075
Delta R.T. -0.013 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

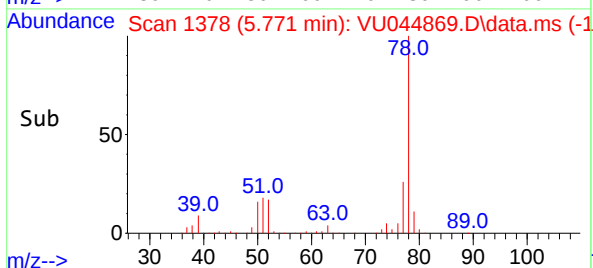
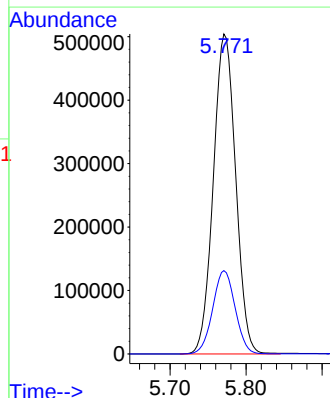
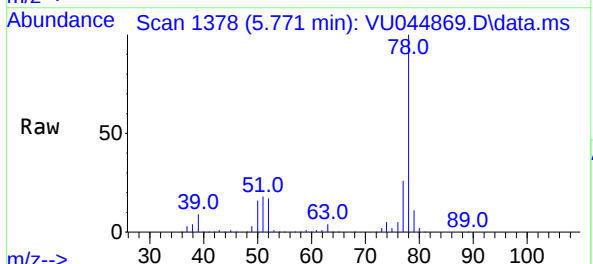
Instrument :
MSVOA_U
ClientSampled :
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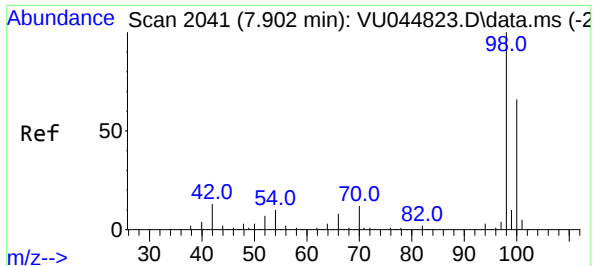
Tgt Ion:	43	Resp:	228087
Ion	Ratio	Lower	Upper
43	100		
61	16.2	10.9	16.3
70	11.1	8.2	12.4



#40
Benzene
Concen: 66.264 ug/l
RT: 5.771 min Scan# 1378
Delta R.T. -0.006 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

Tgt Ion:	78	Resp:	1027947
Ion	Ratio	Lower	Upper
78	100		
77	26.1	19.1	28.7

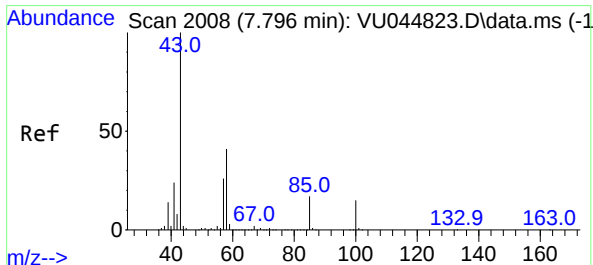
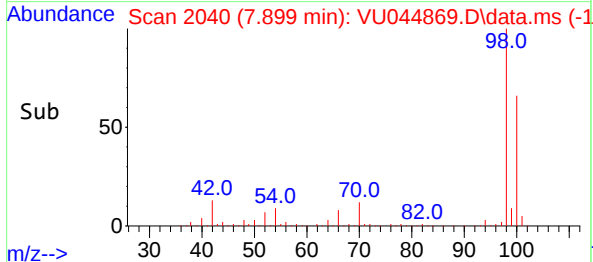
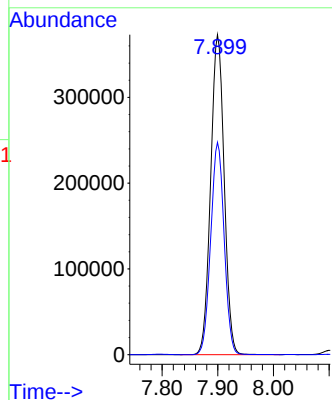
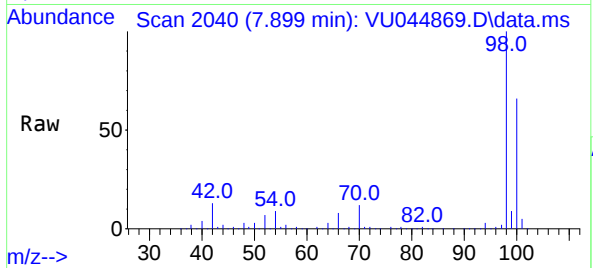




#50
Toluene-d8
Concen: 50.569 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

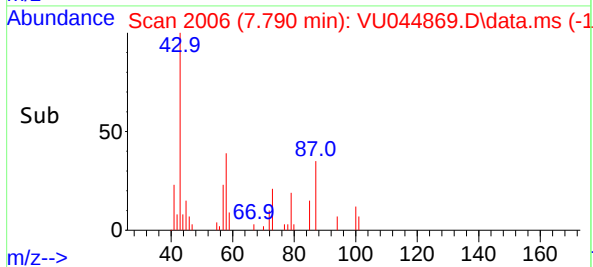
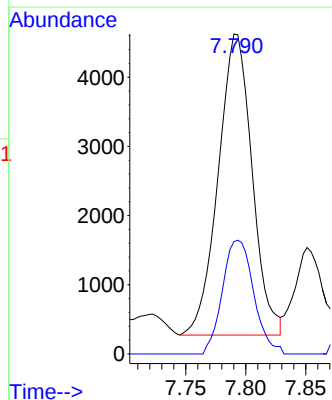
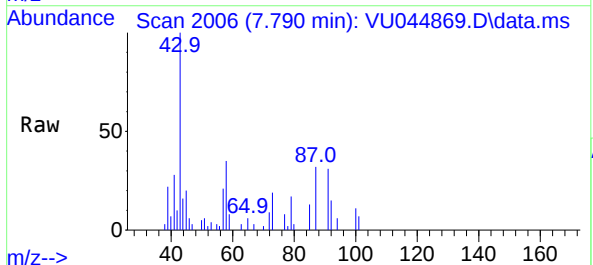
Instrument :
MSVOA_U
ClientSampleId :
20896

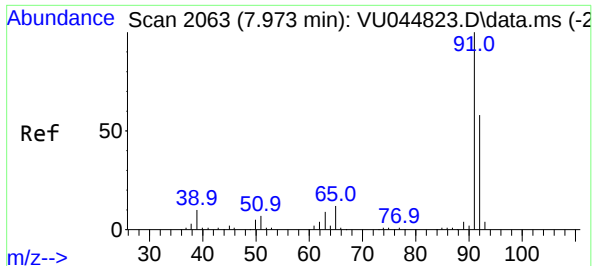
Tgt Ion: 98 Resp: 628321
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.148 ug/l
RT: 7.790 min Scan# 2006
Delta R.T. -0.006 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

Tgt Ion: 43 Resp: 8549
Ion Ratio Lower Upper
43 100
58 34.8 32.4 48.6





#52

Toluene

Concen: 126.361 ug/l

RT: 7.970 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU044869.D

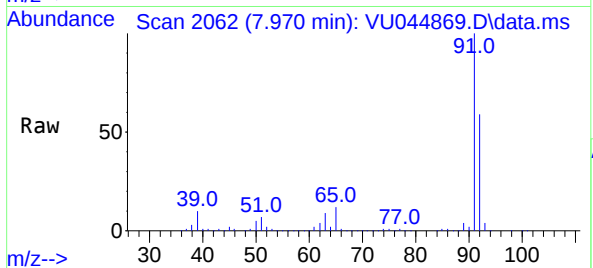
Acq: 26 Sep 2021 04:41

Tgt Ion: 92 Resp: 1171965

Ion Ratio Lower Upper

92 100

91 170.0 136.9 205.3



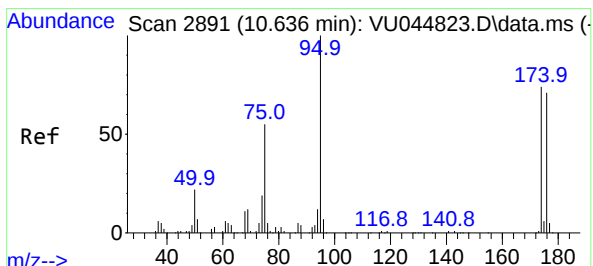
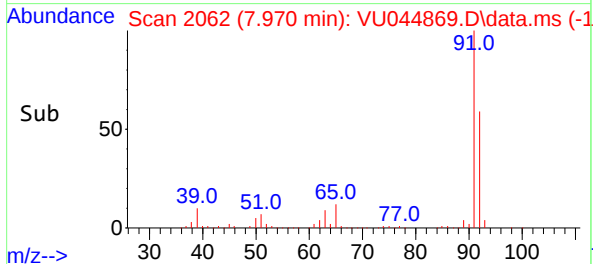
Abundance

1000000

500000

7.970

Time-->



#62

4-Bromofluorobenzene

Concen: 45.452 ug/l

RT: 10.636 min Scan# 2891

Delta R.T. 0.000 min

Lab File: VU044869.D

Acq: 26 Sep 2021 04:41

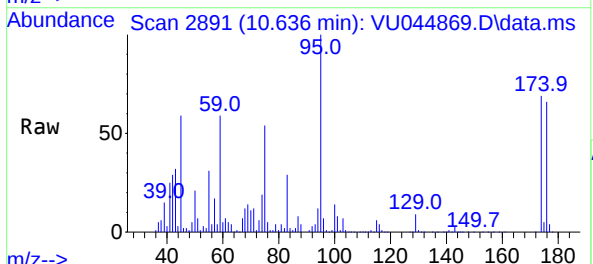
Tgt Ion: 95 Resp: 209758

Ion Ratio Lower Upper

95 100

174 68.6 0.0 146.6

176 65.5 0.0 141.2



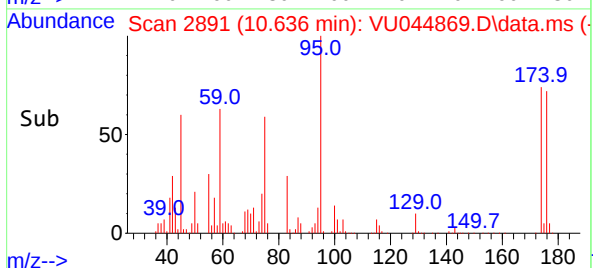
Abundance

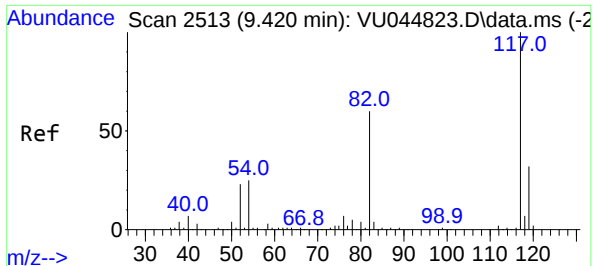
100000

50000

10.636

Time-->

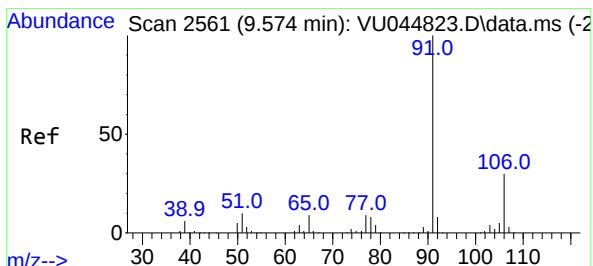
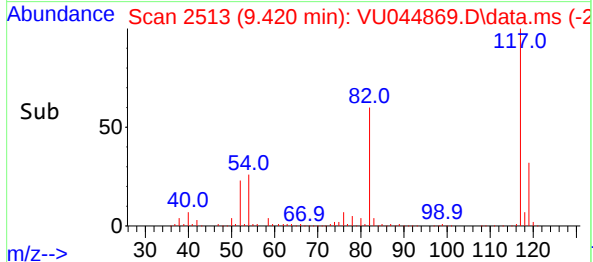
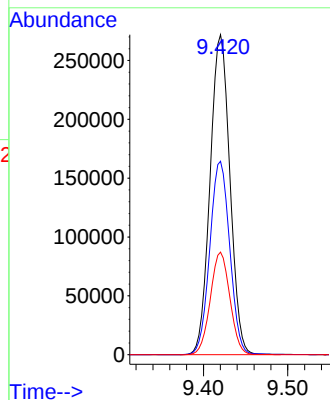
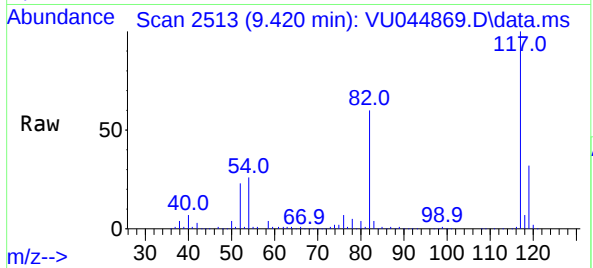




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

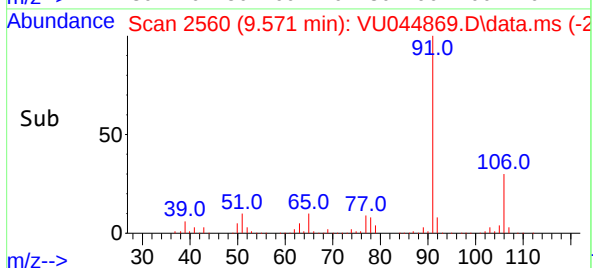
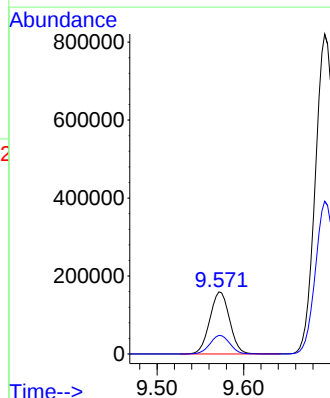
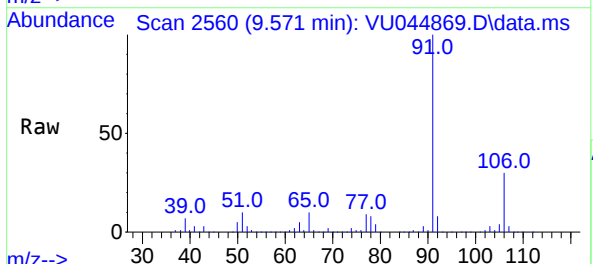
Instrument :
MSVOA_U
ClientSampled :
20896

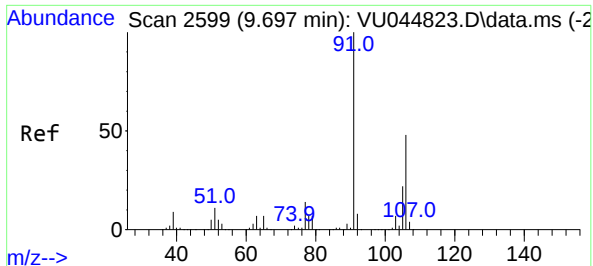
Tgt Ion:117 Resp: 444488
Ion Ratio Lower Upper
117 100
82 60.5 47.8 71.8
119 32.0 25.8 38.6



#67
Ethyl Benzene
Concen: 15.341 ug/l
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

Tgt Ion: 91 Resp: 252668
Ion Ratio Lower Upper
91 100
106 29.9 24.3 36.5

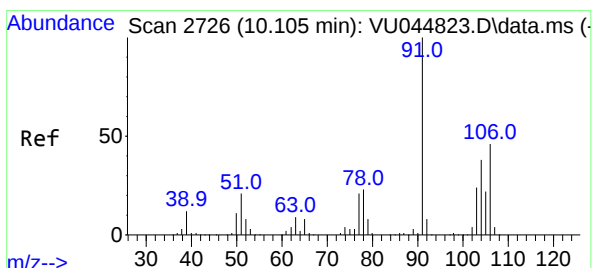
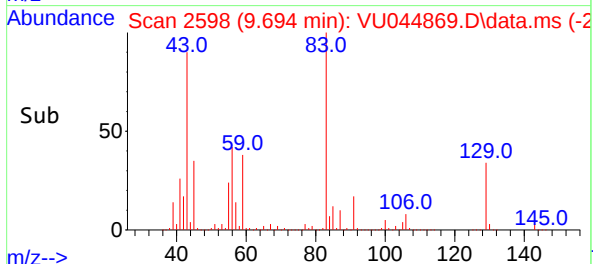
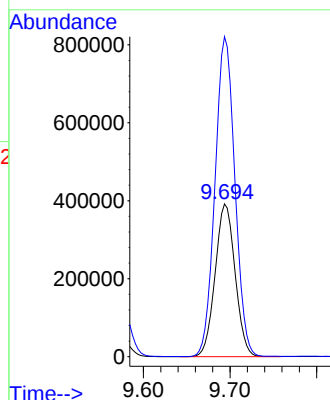
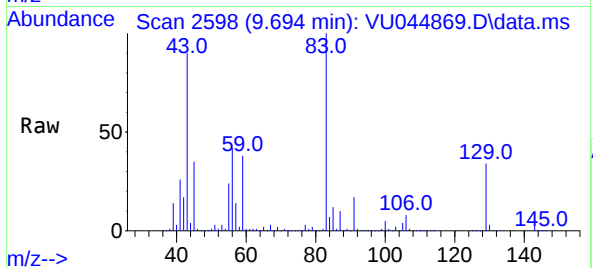




#68
m/p-Xylenes
Concen: 99.579 ug/l
RT: 9.694 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

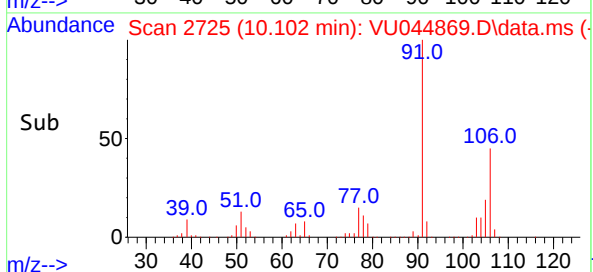
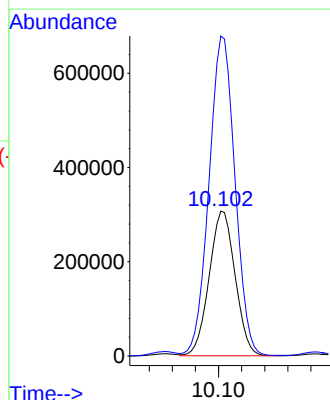
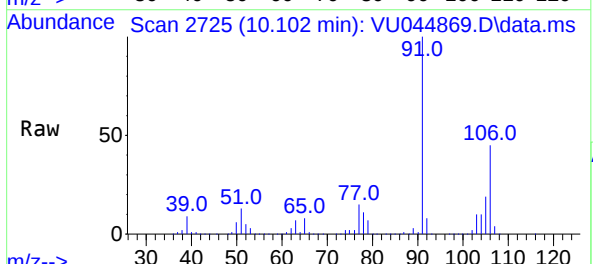
Instrument :
MSVOA_U
ClientSampled :
20896

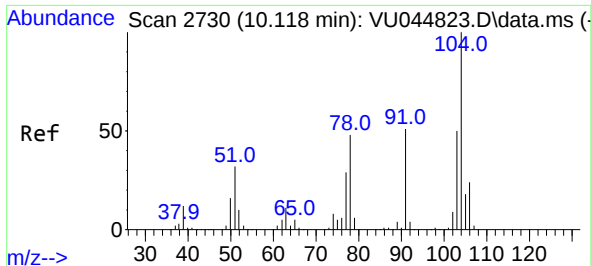
Tgt Ion:106 Resp: 627270
Ion Ratio Lower Upper
106 100
91 208.6 164.2 246.2



#69
o-Xylene
Concen: 78.541 ug/l
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

Tgt Ion:106 Resp: 478402
Ion Ratio Lower Upper
106 100
91 220.8 108.9 326.7

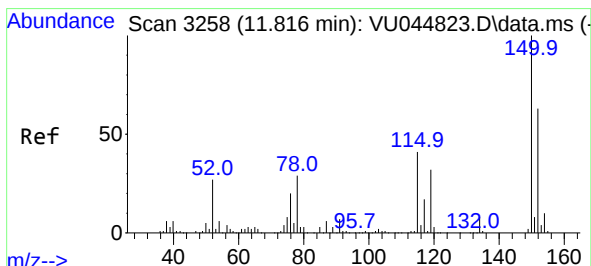
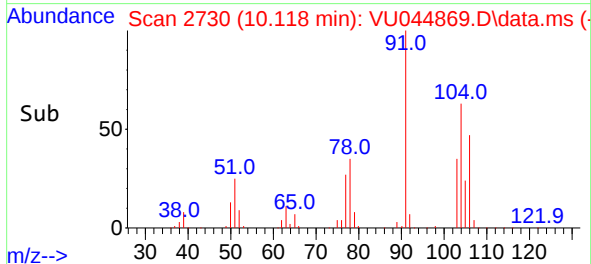
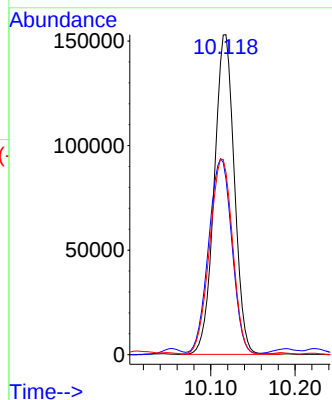
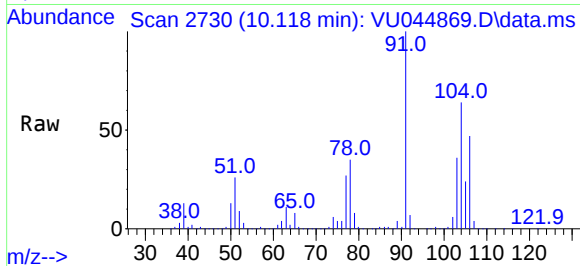




#70
Styrene
Concen: 22.774 ug/l
RT: 10.118 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

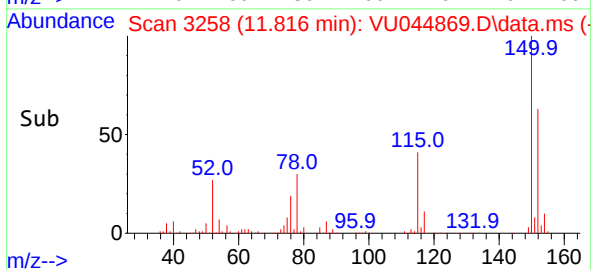
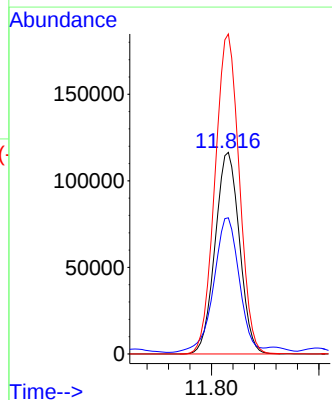
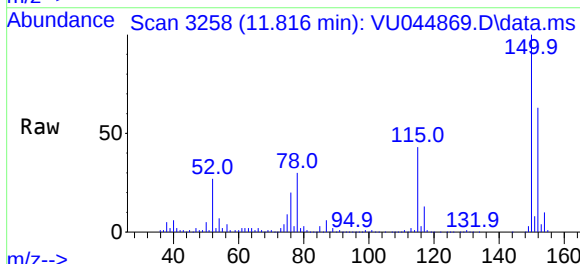
Instrument :
MSVOA_U
ClientSampled :
20896

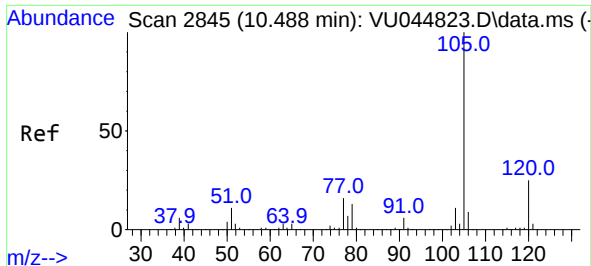
Tgt Ion:104 Resp: 252872
Ion Ratio Lower Upper
104 100
78 71.5 41.4 62.0#
103 69.6 43.5 65.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

Tgt Ion:152 Resp: 183097
Ion Ratio Lower Upper
152 100
115 69.8 43.5 130.7
150 158.5 0.0 350.0

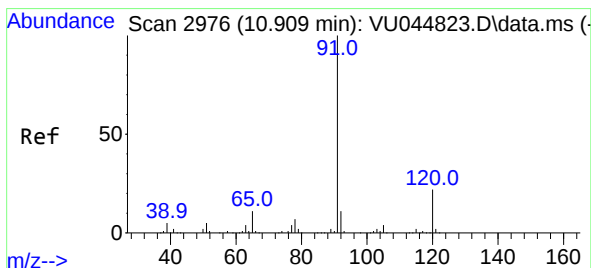
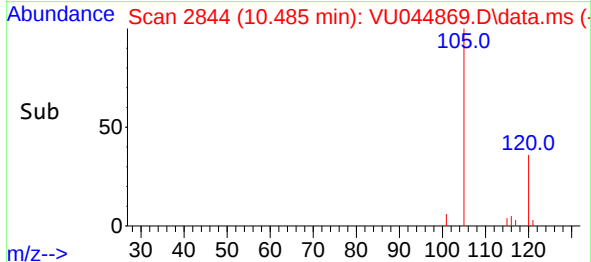
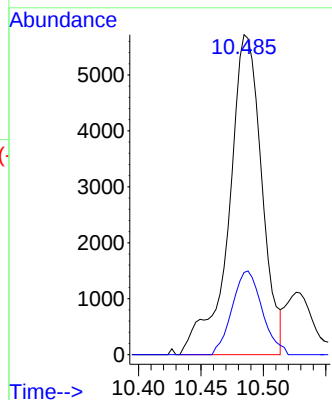
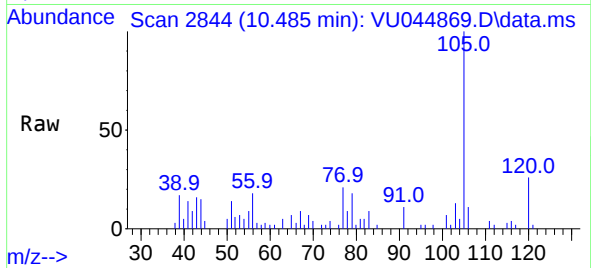




#73
Isopropylbenzene
Concen: 0.809 ug/l
RT: 10.485 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

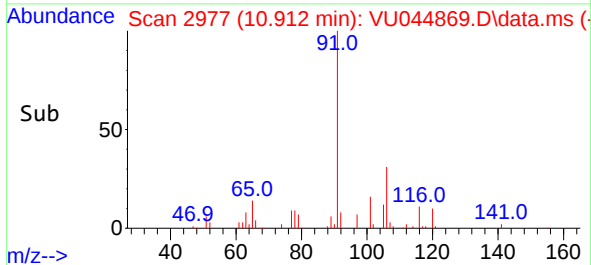
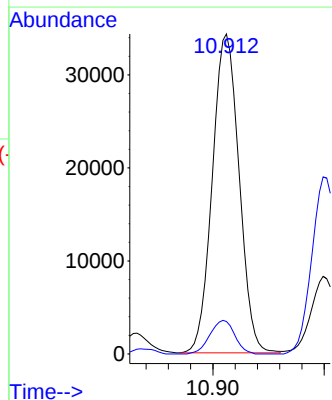
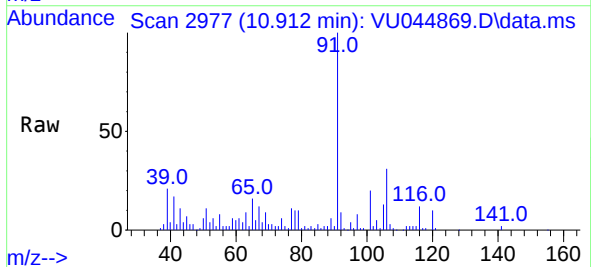
Instrument :
MSVOA_U
ClientSampled :
20896

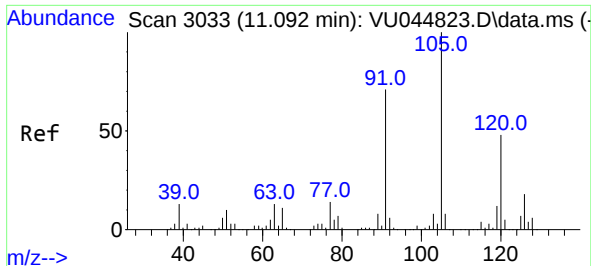
Tgt Ion:105 Resp: 10507
Ion Ratio Lower Upper
105 100
120 23.9 12.8 38.3



#78
n-propylbenzene
Concen: 3.632 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. 0.003 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

Tgt Ion: 91 Resp: 57188
Ion Ratio Lower Upper
91 100
120 9.8 10.8 32.4#

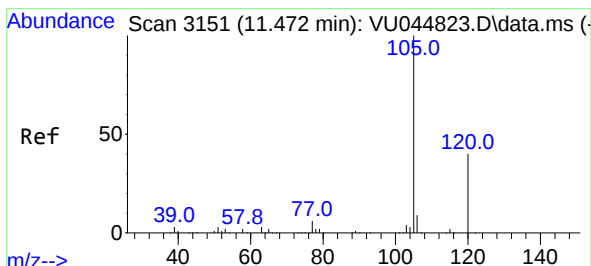
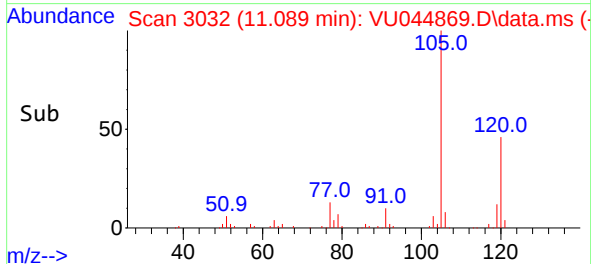
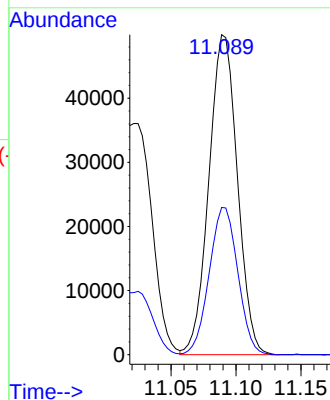
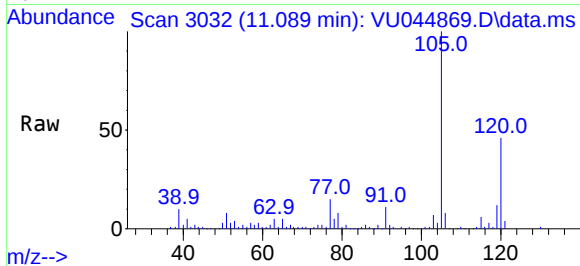




#80
1,3,5-Trimethylbenzene
Concen: 6.916 ug/l
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

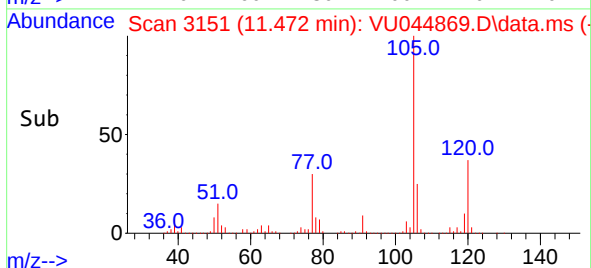
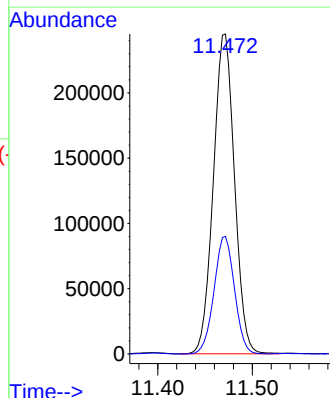
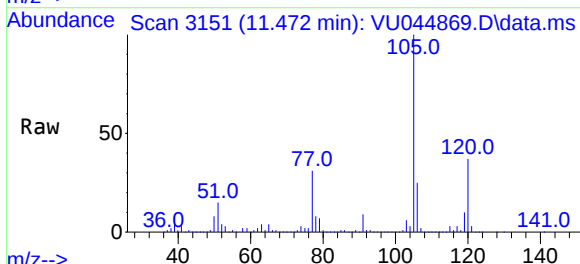
Instrument :
MSVOA_U
ClientSampleId :
20896

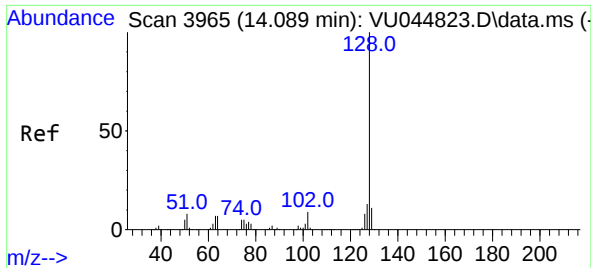
Tgt Ion:105 Resp: 76133
Ion Ratio Lower Upper
105 100
120 46.2 24.1 72.2



#84
1,2,4-Trimethylbenzene
Concen: 35.058 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

Tgt Ion:105 Resp: 380451
Ion Ratio Lower Upper
105 100
120 35.6 22.4 67.3





#95
Naphthalene
Concen: 251.271 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU044869.D
Acq: 26 Sep 2021 04:41

Instrument :
MSVOA_U
ClientSampleId :
20896

Tgt Ion:128 Resp: 3583113
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.9 8.6 13.0

