

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120421\
 Data File : VU046092.D
 Acq On : 04 Dec 2021 14:51
 Operator : SY/MD
 Sample : M4942-04
 Misc : 6.50g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BGKQ4

Quant Time: Dec 05 08:15:45 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)

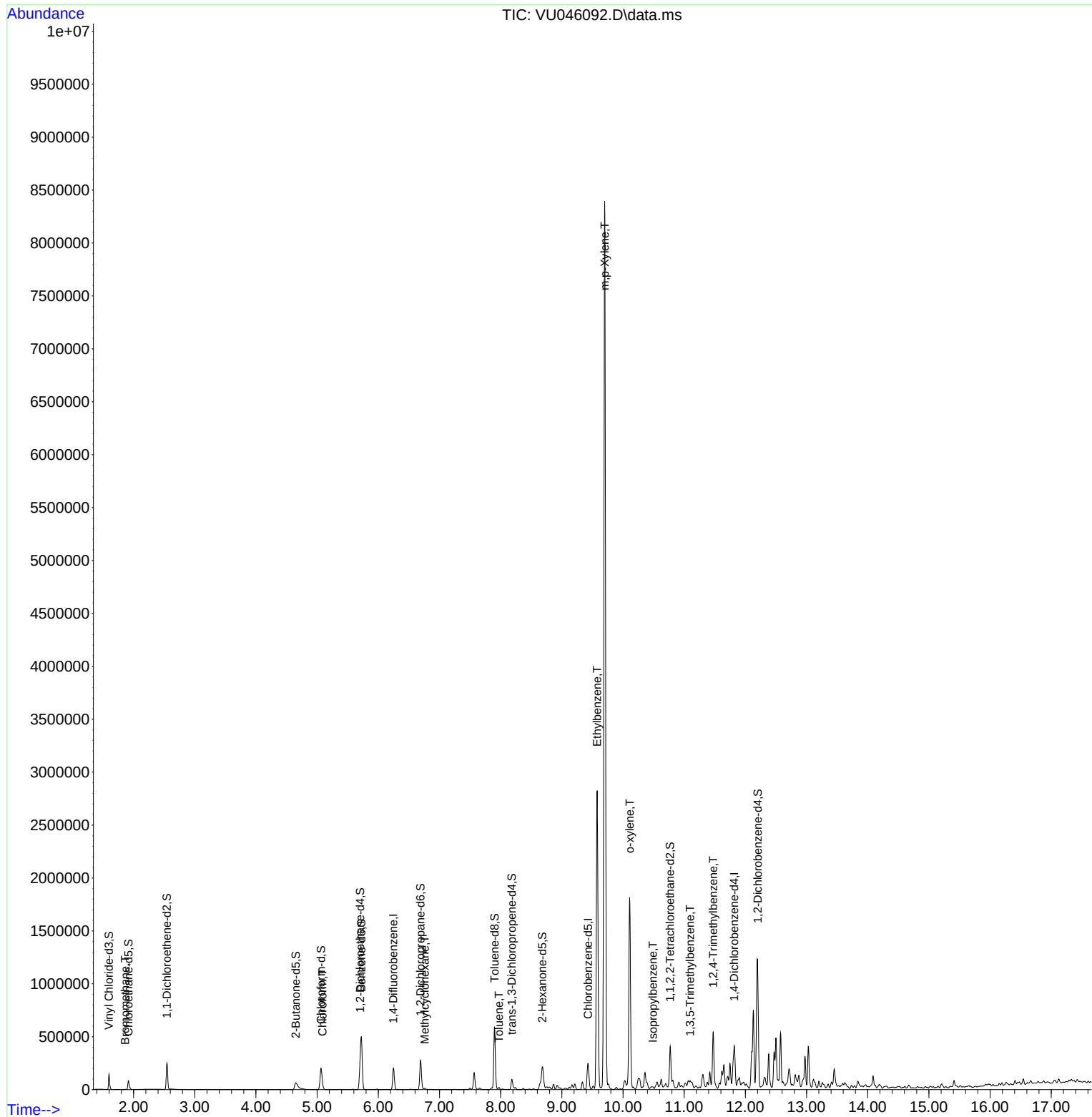
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	179302	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	180027	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	88589	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	119448	80.872	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 161.740%#			
7) Chloroethane-d5	1.916	69	81755	72.093	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 144.180%#			
11) 1,1-Dichloroethene-d2	2.546	63	150404	56.725	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery = 113.440%			
21) 2-Butanone-d5	4.652	46	171032	145.666	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 145.670%#			
24) Chloroform-d	5.064	84	193105	78.291	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 156.580%#			
26) 1,2-Dichloroethane-d4	5.703	65	138136	83.450	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 166.900%#			
32) Benzene-d6	5.723	84	449509	87.116	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 174.240%#			
36) 1,2-Dichloropropane-d6	6.690	67	137625	86.062	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 172.120%#			
41) Toluene-d8	7.899	98	418121	88.999	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 178.000%#			
43) trans-1,3-Dichloroprop...	8.182	79	70448	91.259	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 182.520%#			
47) 2-Hexanone-d5	8.681	63	132191	174.346	ug/L	0.05
Spiked Amount 100.000	Range 45 - 130		Recovery = 174.350%#			
56) 1,1,2,2-Tetrachloroeth...	10.771	84	189057	77.957	ug/L	0.01
Spiked Amount 50.000	Range 65 - 120		Recovery = 155.920%#			
66) 1,2-Dichlorobenzene-d4	12.202	152	153805	90.152	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 180.300%#			
Target Compounds						
6) Bromomethane	1.861	94	1255	1.259	ug/L	98
25) Chloroform	5.086	83	19013	7.173	ug/L	96
35) Methylcyclohexane	6.758	83	5004	2.248	ug/L	98
42) Toluene	7.973	91	16779	2.870	ug/L	99
52) Ethylbenzene	9.578	91	2402555	381.829	ug/L	99
53) m,p-Xylene	9.700	106	2730984	1112.924	ug/L	100
54) o-xylene	10.108	106	561392	235.772	ug/L	97
61) Isopropylbenzene	10.491	105	13222	2.294	ug/L	97
62) 1,3,5-Trimethylbenzene	11.095	105	30701	6.390	ug/L	99
63) 1,2,4-Trimethylbenzene	11.475	105	284132	59.112	ug/L	99

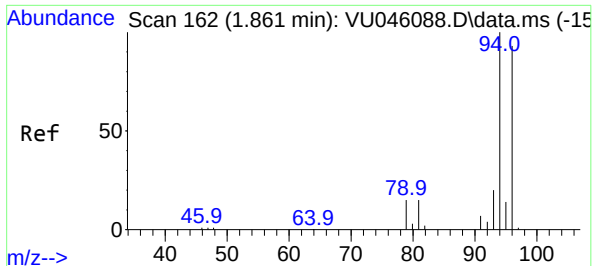
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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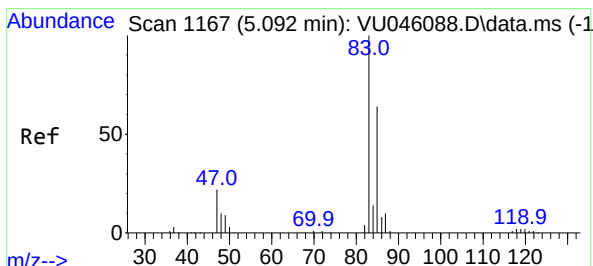
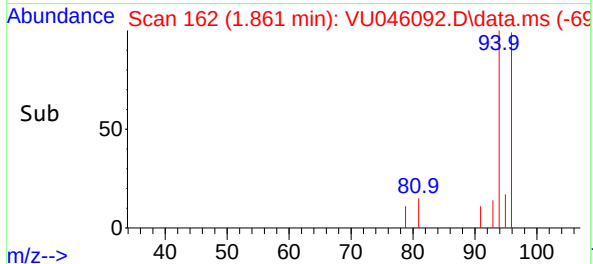
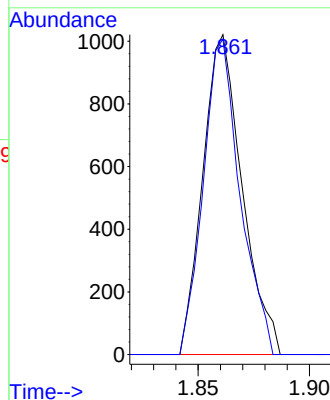
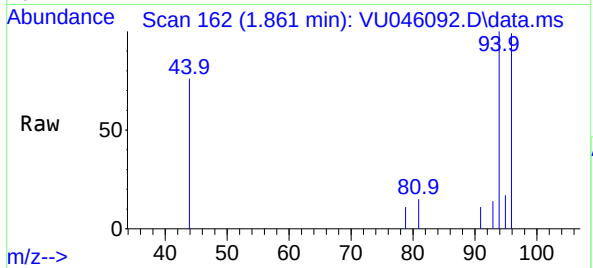




#6
Bromomethane
Concen: 1.259 ug/L
RT: 1.861 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

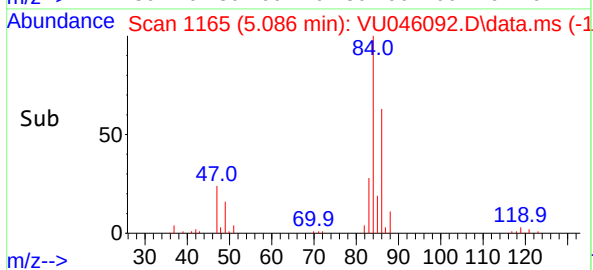
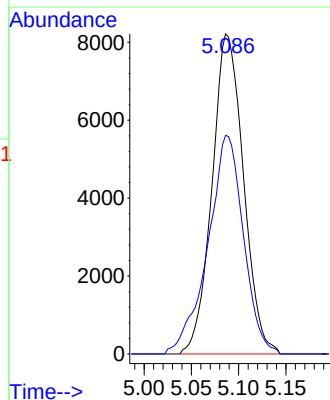
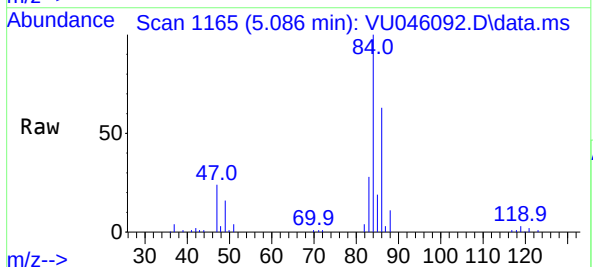
Instrument :
MSVOA_U
ClientSampleId :
BGKQ4

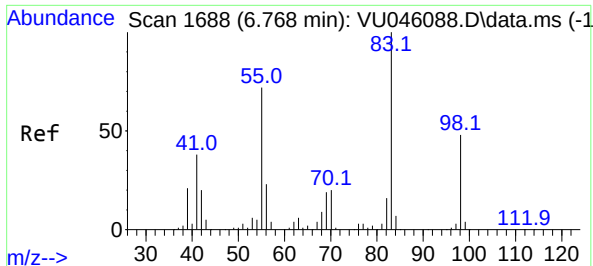
Tgt Ion: 94 Resp: 1255
Ion Ratio Lower Upper
94 100
96 98.6 67.4 125.2



#25
Chloroform
Concen: 7.173 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. -0.006 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

Tgt Ion: 83 Resp: 19013
Ion Ratio Lower Upper
83 100
85 68.3 45.8 85.2





#35

Methylcyclohexane

Concen: 2.248 ug/L

RT: 6.758 min Scan# 1

Delta R.T. -0.010 min

Lab File: VU046092.D

Acq: 04 Dec 2021 14:51

Instrument :

MSVOA_U

ClientSampleId :

BGKQ4

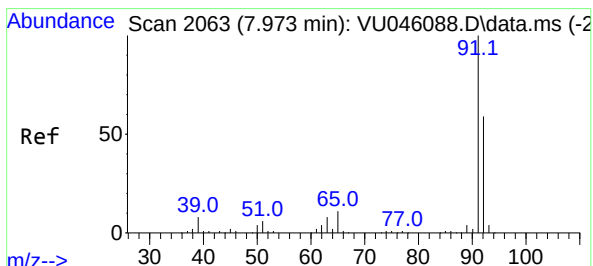
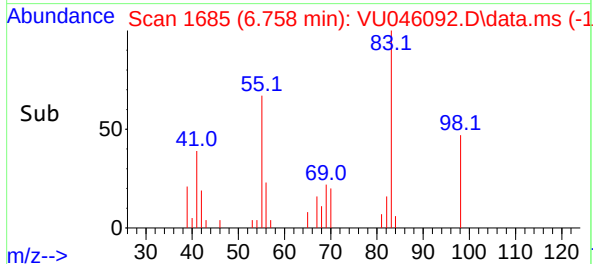
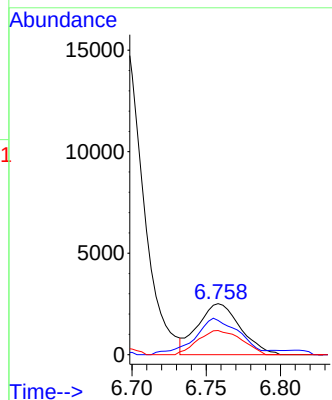
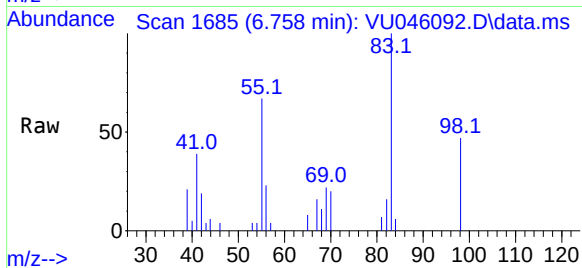
Tgt Ion: 83 Resp: 5004

Ion Ratio Lower Upper

83 100

55 74.2 57.8 86.6

98 48.5 38.4 57.6



#42

Toluene

Concen: 2.870 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU046092.D

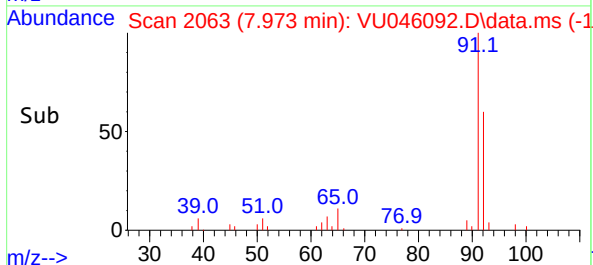
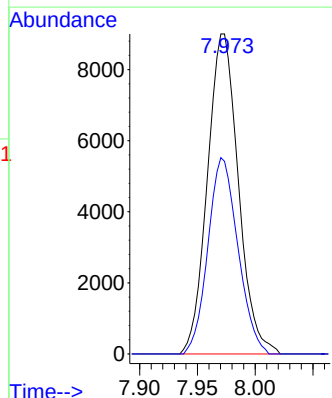
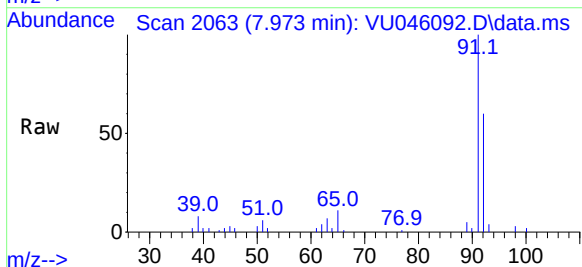
Acq: 04 Dec 2021 14:51

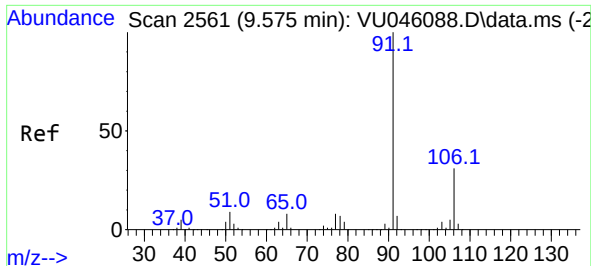
Tgt Ion: 91 Resp: 16779

Ion Ratio Lower Upper

91 100

92 60.2 41.9 77.7

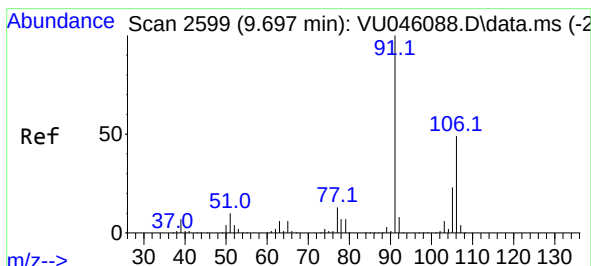
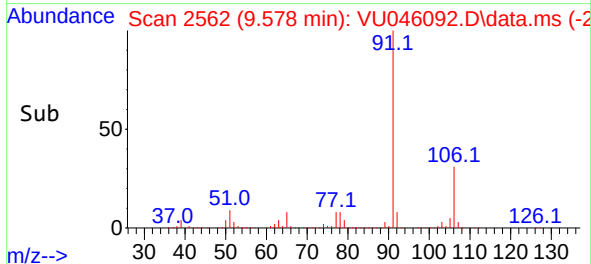
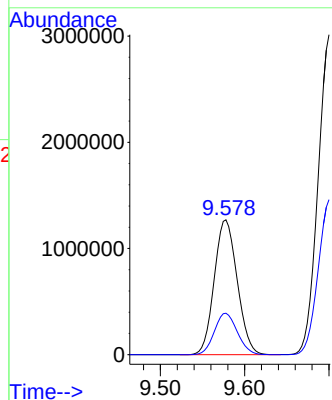
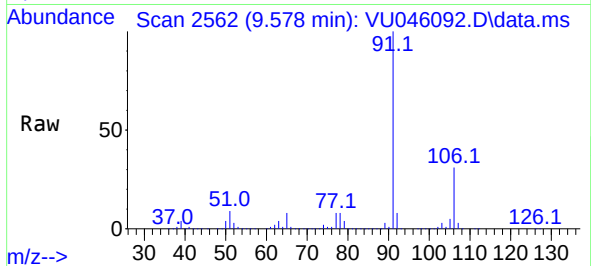




#52
Ethylbenzene
Concen: 381.829 ug/L
RT: 9.578 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

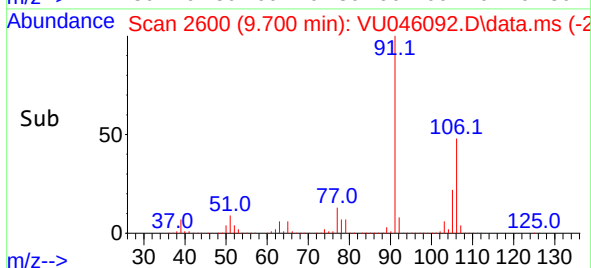
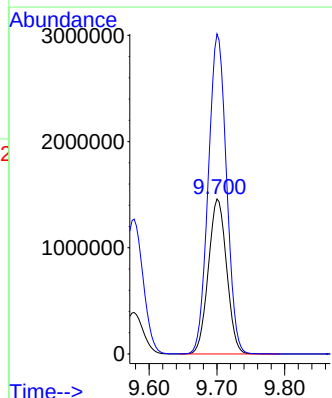
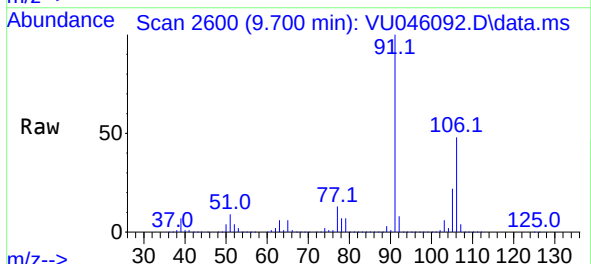
Instrument :
MSVOA_U
ClientSampleId :
BGKQ4

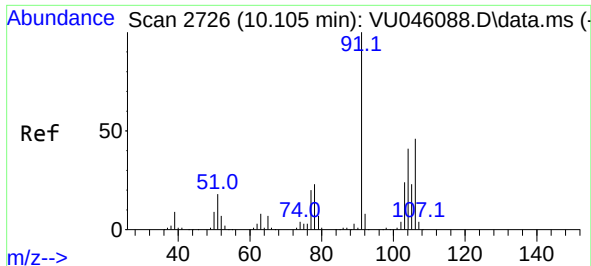
Tgt Ion: 91 Resp: 2402555
Ion Ratio Lower Upper
91 100
106 30.8 21.1 39.3



#53
m,p-Xylene
Concen: 1112.924 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.003 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

Tgt Ion: 106 Resp: 2730984
Ion Ratio Lower Upper
106 100
91 206.5 144.3 268.1

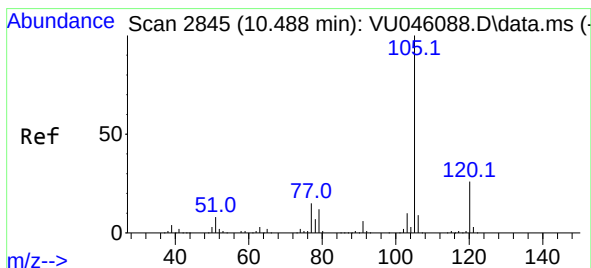
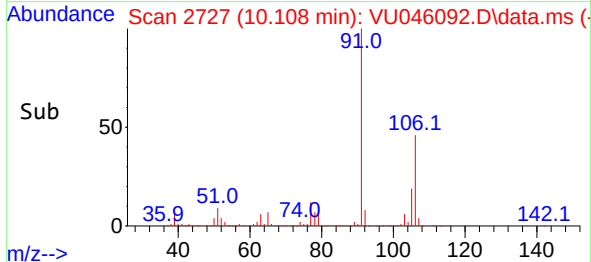
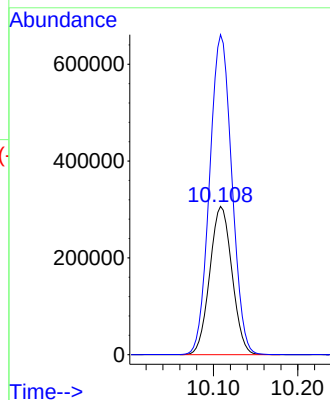
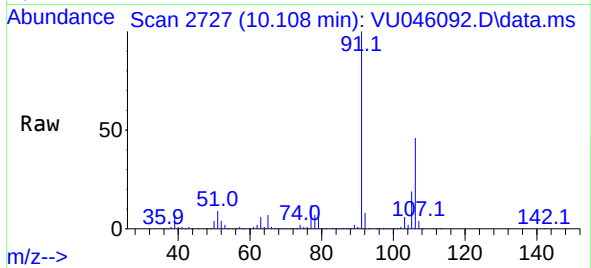




#54
o-xylene
Concen: 235.772 ug/L
RT: 10.108 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

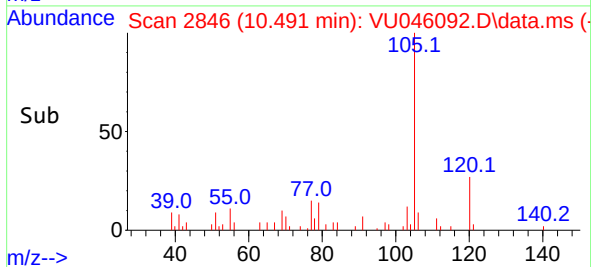
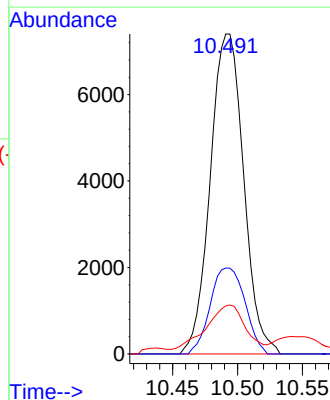
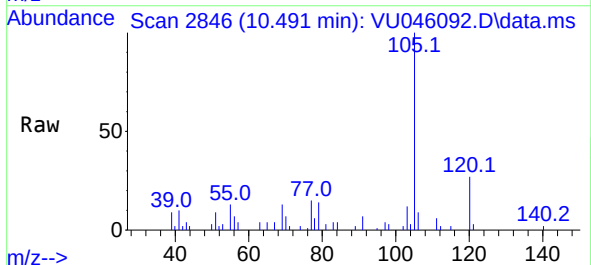
Instrument :
MSVOA_U
ClientSampleId :
BGKQ4

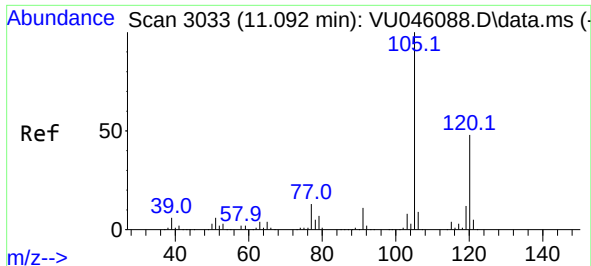
Tgt Ion:106 Resp: 561392
Ion Ratio Lower Upper
106 100
91 215.8 154.2 286.4



#61
Isopropylbenzene
Concen: 2.294 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. 0.003 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

Tgt Ion:105 Resp: 13222
Ion Ratio Lower Upper
105 100
120 27.9 20.7 31.1
77 15.5 12.2 18.4

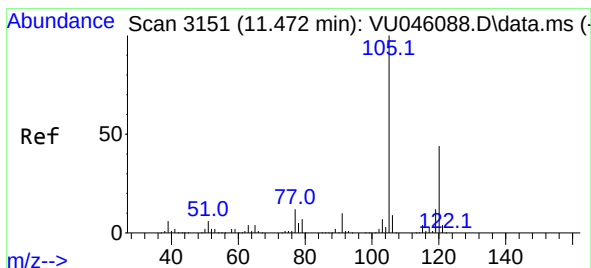
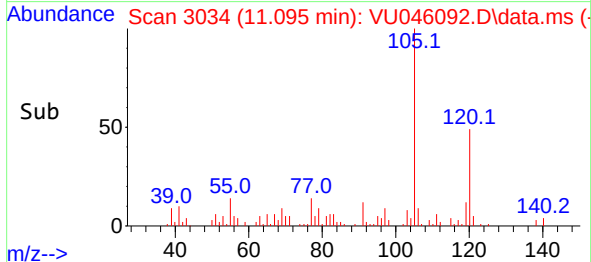
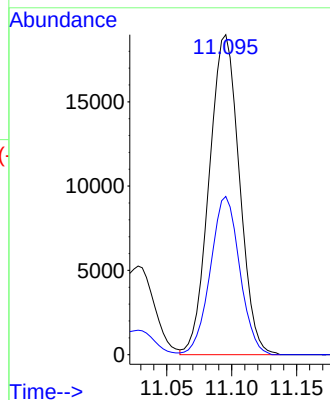
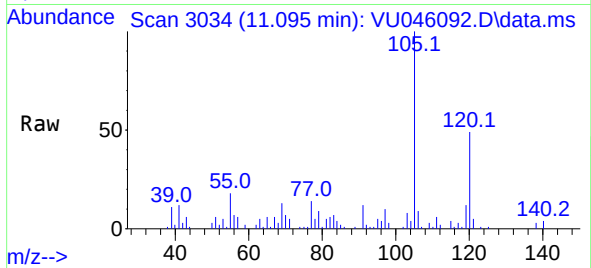




#62
1,3,5-Trimethylbenzene
Concen: 6.390 ug/L
RT: 11.095 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:105 Resp: 30701
Ion Ratio Lower Upper
105 100
120 48.0 37.8 56.6



#63
1,2,4-Trimethylbenzene
Concen: 59.112 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

Tgt Ion:105 Resp: 284132
Ion Ratio Lower Upper
105 100
120 44.5 35.2 52.8

