

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 :

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						Qvalue
6) Bromomethane	1.861	94	1255	1.259	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.549	101	1351	1.036	ug/L #	21
12) 1,1-Dichloroethene	2.546	96	1067	0.861	ug/L #	1
25) Chloroform	5.086	83	19013	7.173	ug/L	96
33) Benzene	5.723	78	3361	0.617	ug/L	100
35) Methylcyclohexane	6.758	83	5004	2.248	ug/L	98
37) 1,2-Dichloropropane	6.690	63	14675	10.281	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	4437	2.043	ug/L #	75
42) Toluene	7.973	91	16779	2.870	ug/L	99
44) trans-1,3-Dichloropropene	8.182	75	3049	1.430	ug/L #	72
45) 1,1,2-Trichloroethane	8.369	97	4463	3.117	ug/L #	19
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
55) Styrene	10.108	104	28006	6.889	ug/L #	1
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
68) 1,2-Dibromo-3-chloropr...	12.976	75	1093	2.113	ug/L #	3

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QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration

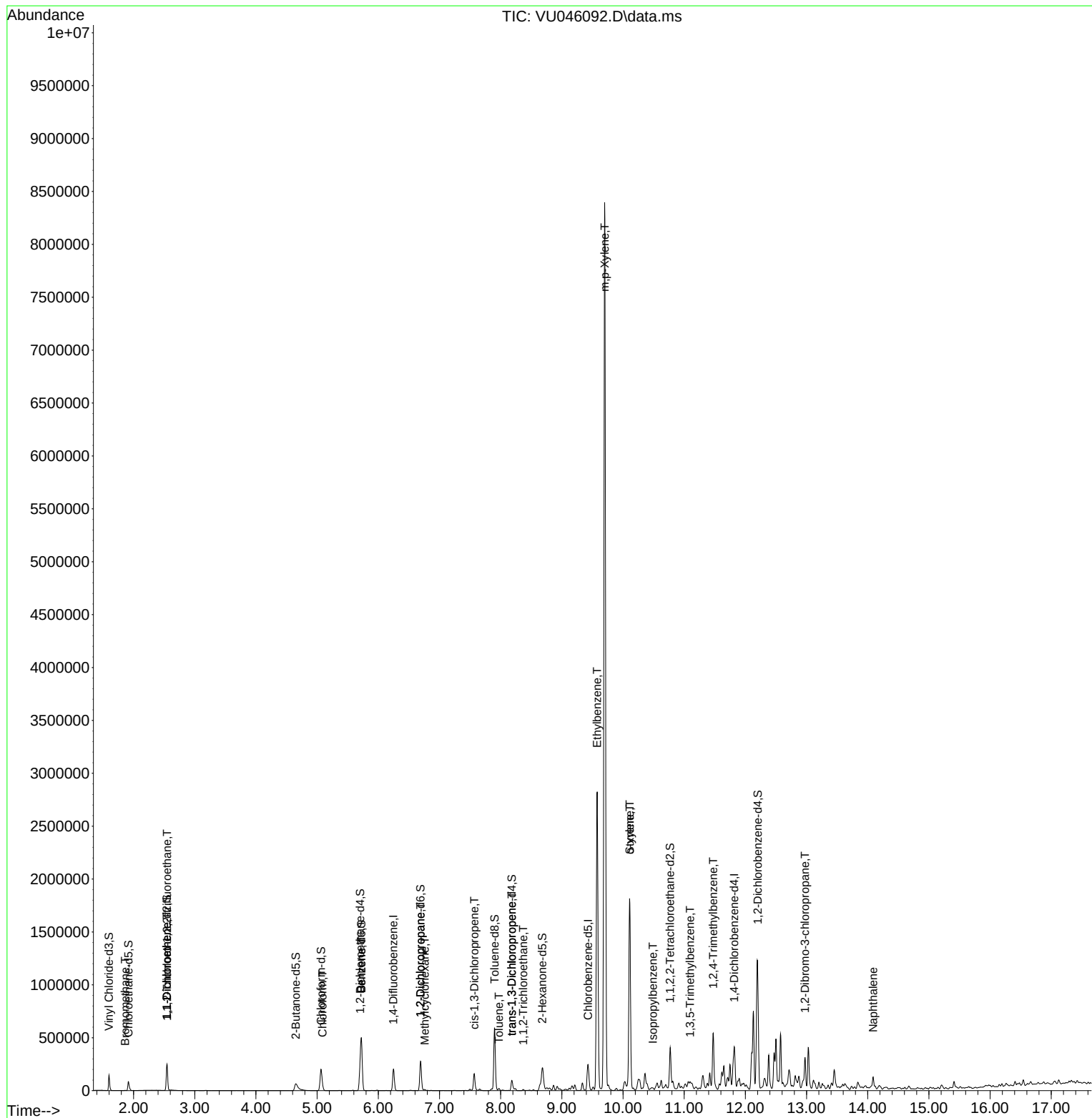
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
71) Naphthalene	14.089	128	88461	14.360 ug/L	97

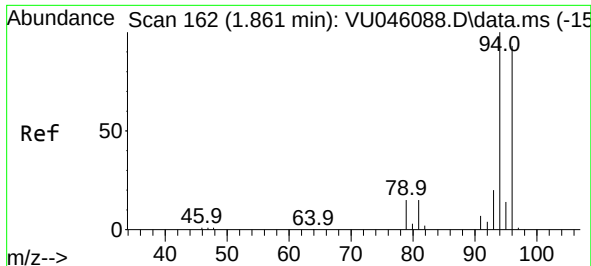
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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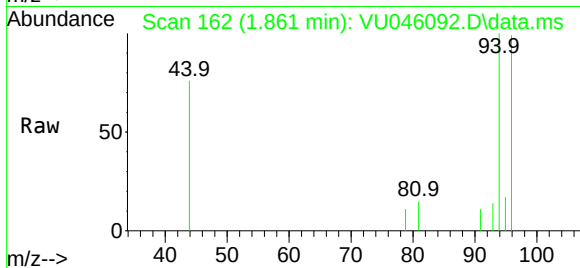
Quant Time: Dec 05 08:15:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
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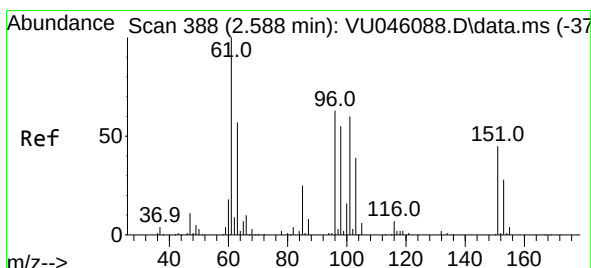
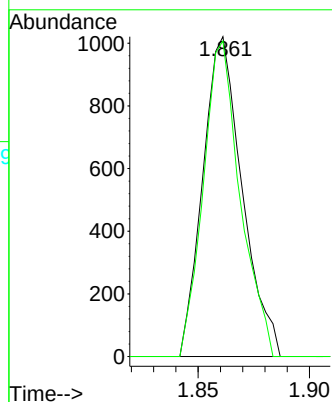
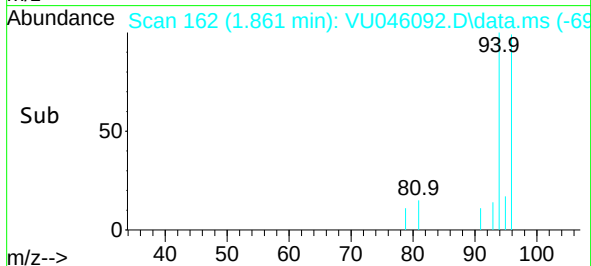


#6
Bromomethane
Concen: 1.259 ug/L
RT: 1.861 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

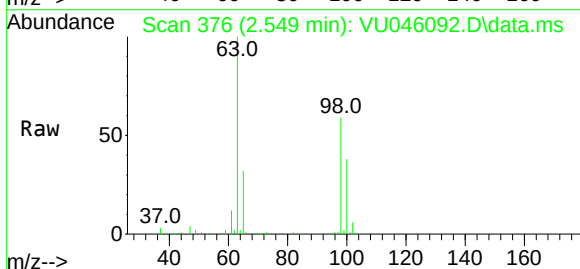
Instrument :
MSVOA_U
ClientSampleId :



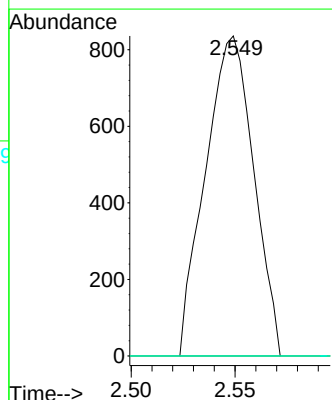
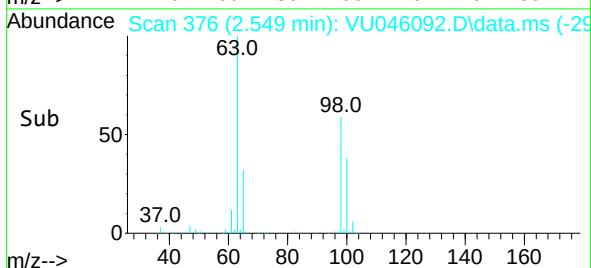
Tgt Ion: 94 Resp: 1255
Ion Ratio Lower Upper
94 100
96 98.6 67.4 125.2

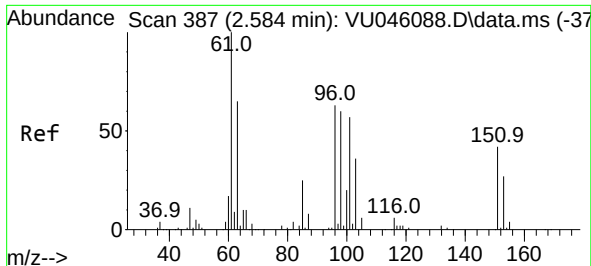


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.036 ug/L
RT: 2.549 min Scan# 376
Delta R.T. -0.038 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51



Tgt Ion: 101 Resp: 1351
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#





#12

1,1-Dichloroethene

Concen: 0.861 ug/L

RT: 2.546 min Scan# 31

Delta R.T. -0.038 min

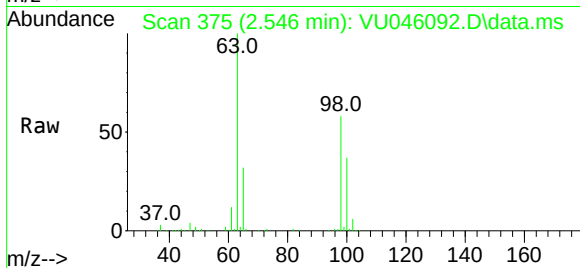
Lab File: VU046092.D

Acq: 04 Dec 2021 14:51

Instrument :

MSVOA_U

ClientSampleId :



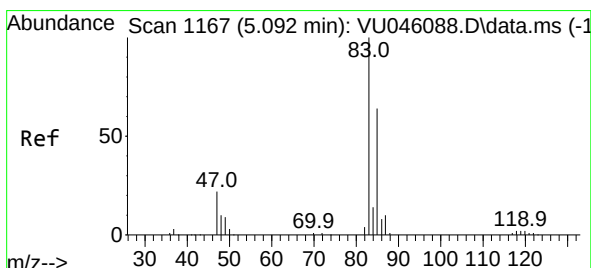
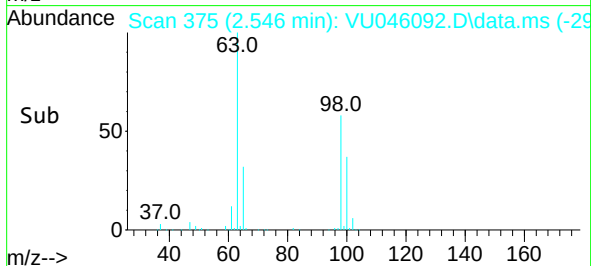
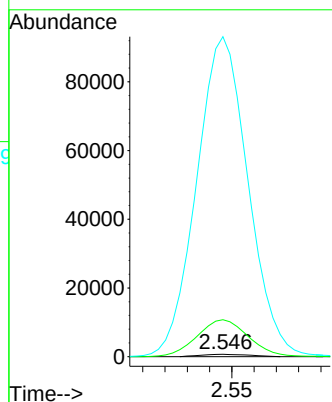
Tgt Ion: 96 Resp: 1067

Ion Ratio Lower Upper

96 100

61 1586.7 118.6 220.2#

63 13738.1 93.0 172.8#



#25

Chloroform

Concen: 7.173 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.006 min

Lab File: VU046092.D

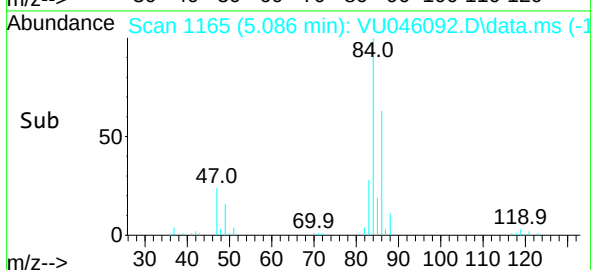
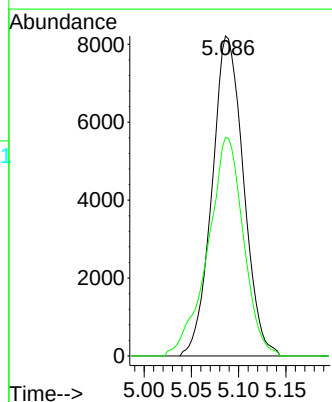
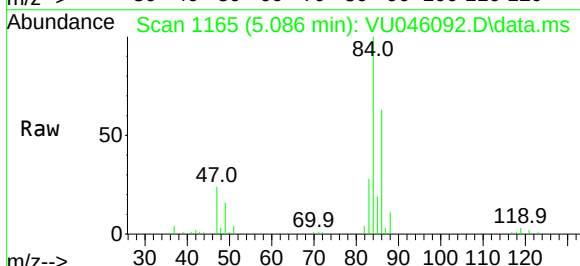
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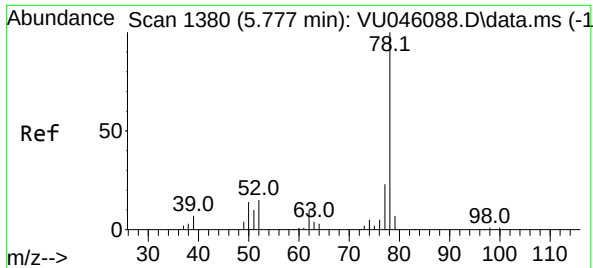
Tgt Ion: 83 Resp: 19013

Ion Ratio Lower Upper

83 100

85 68.3 45.8 85.2

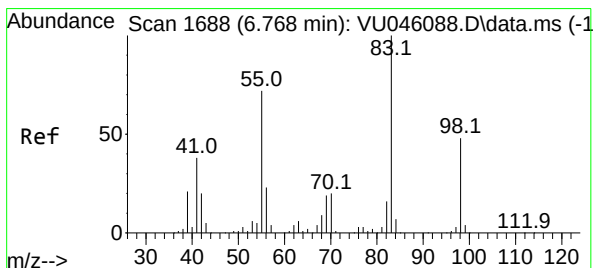
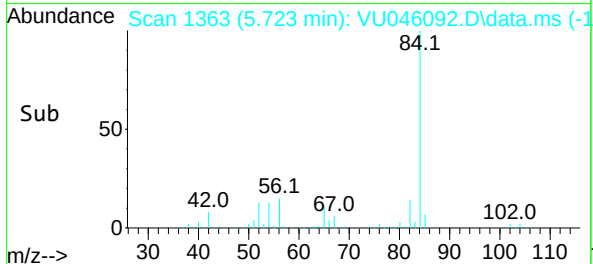
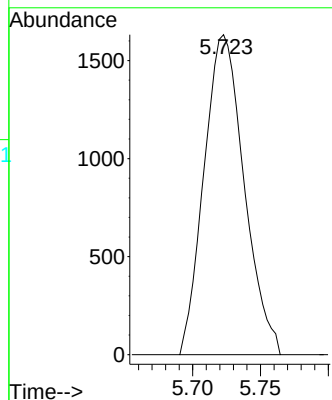
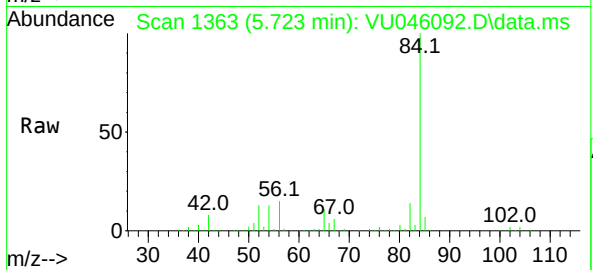




#33
Benzene
Concen: 0.617 ug/L
RT: 5.723 min Scan# 11
Delta R.T. -0.058 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

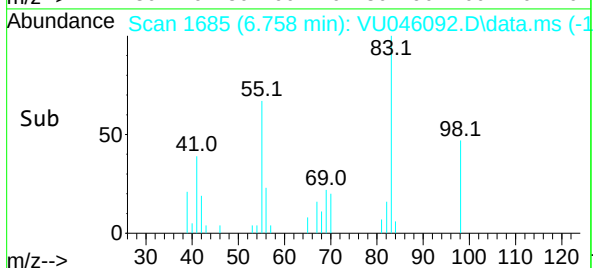
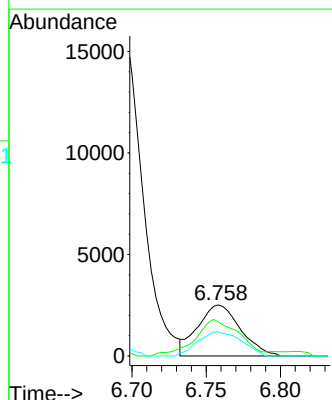
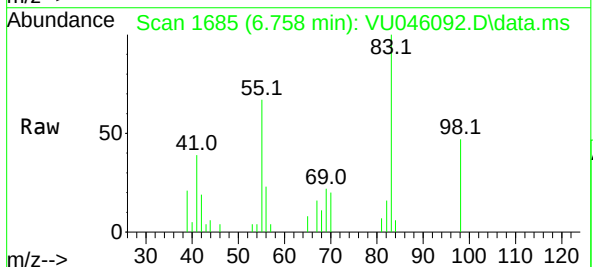
Instrument :
MSVOA_U
ClientSampleId :

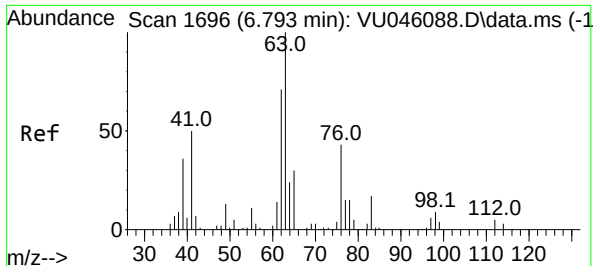
Tgt Ion: 78 Resp: 3361



#35
Methylcyclohexane
Concen: 2.248 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.010 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

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





#37

1,2-Dichloropropane

Concen: 10.281 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046092.D

Acq: 04 Dec 2021 14:51

Instrument :

MSVOA_U

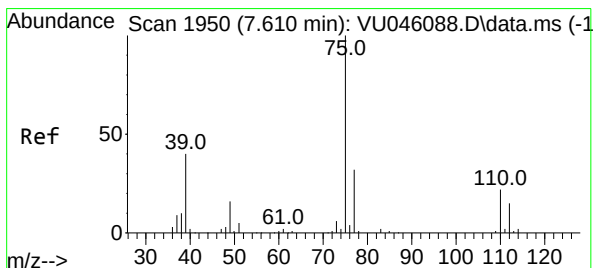
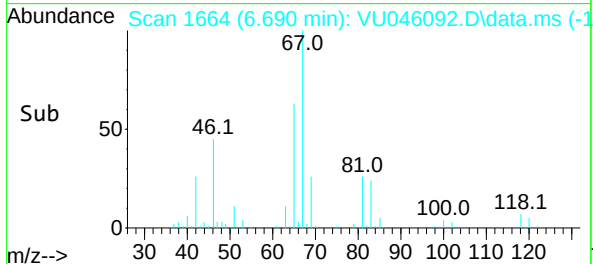
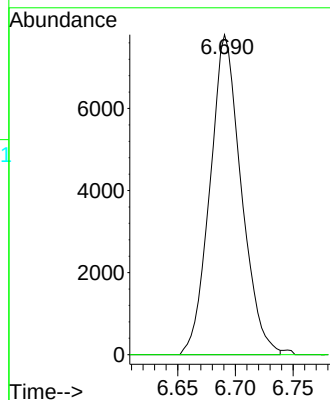
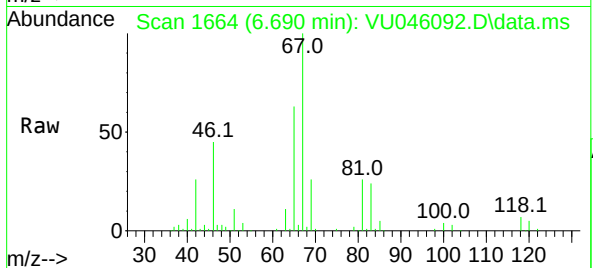
ClientSampleId :

Tgt Ion: 63 Resp: 14675

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 2.043 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046092.D

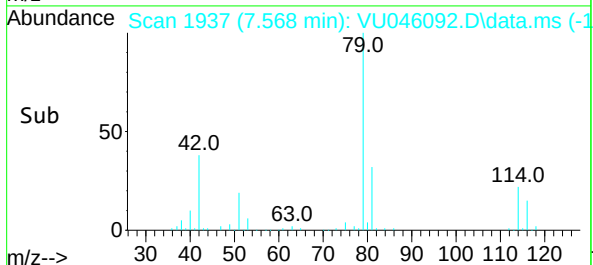
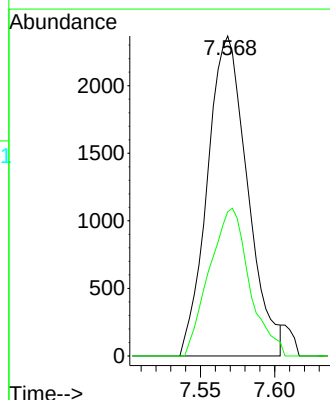
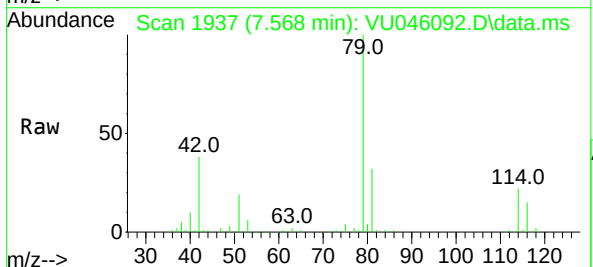
Acq: 04 Dec 2021 14:51

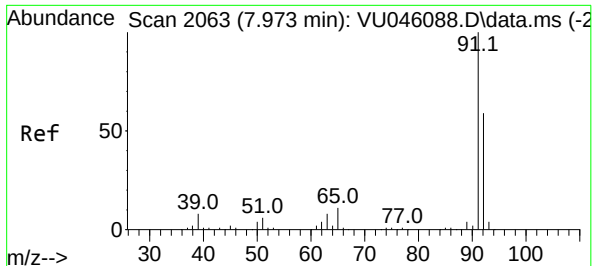
Tgt Ion: 75 Resp: 4437

Ion Ratio Lower Upper

75 100

77 45.1 21.8 40.6#

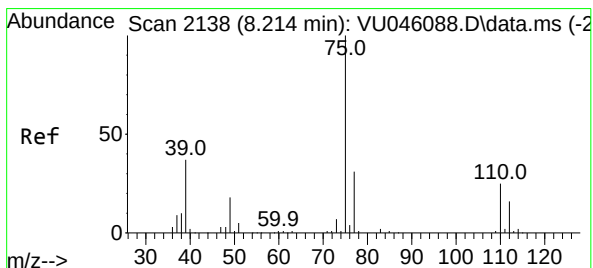
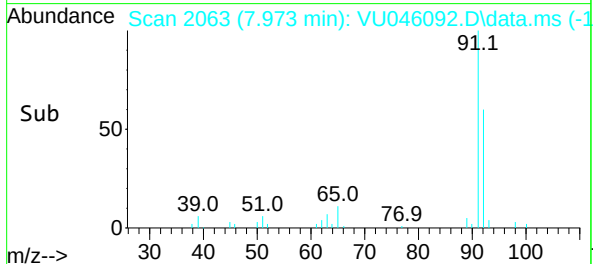
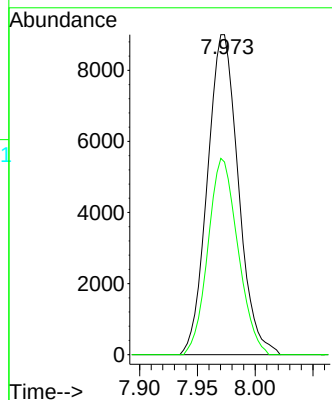
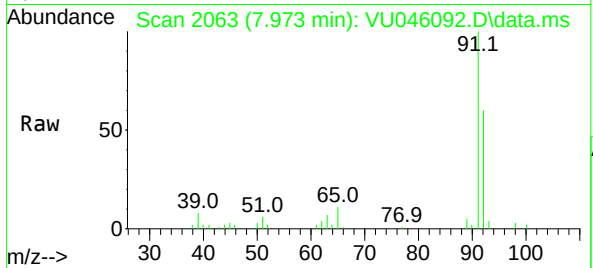




#42
Toluene
Concen: 2.870 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

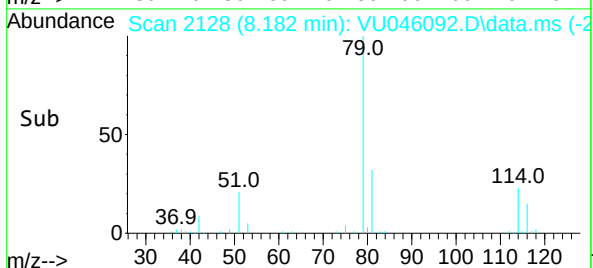
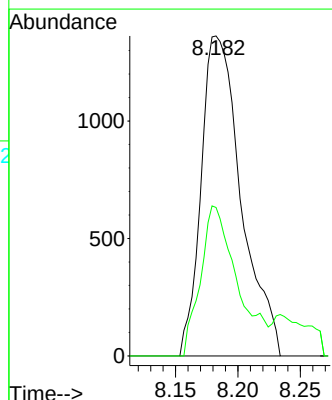
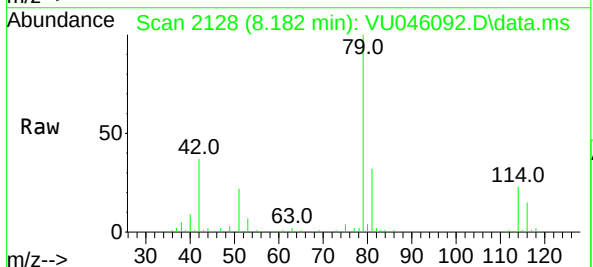
Instrument :
MSVOA_U
ClientSampleId :

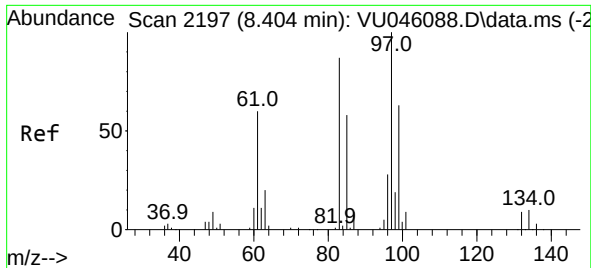
Tgt Ion: 91 Resp: 16779
Ion Ratio Lower Upper
91 100
92 60.2 41.9 77.7



#44
trans-1,3-Dichloropropene
Concen: 1.430 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

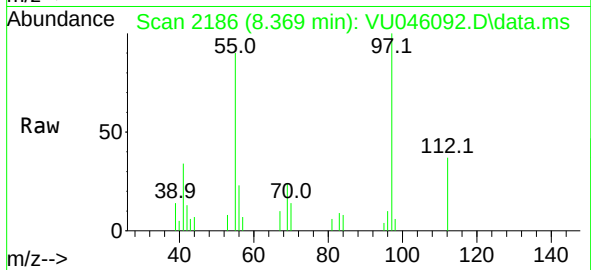
Tgt Ion: 75 Resp: 3049
Ion Ratio Lower Upper
75 100
77 46.4 21.7 40.3#



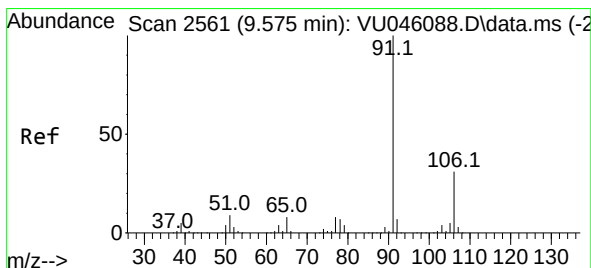
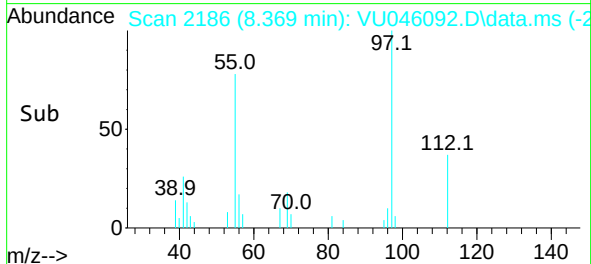
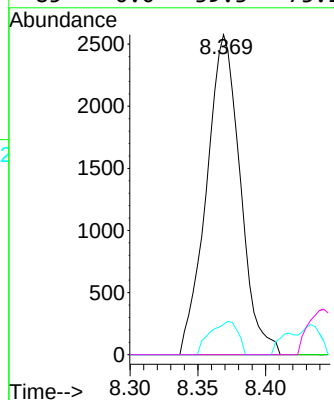


#45
1,1,2-Trichloroethane
Concen: 3.117 ug/L
RT: 8.369 min Scan# 2197
Delta R.T. -0.035 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

Instrument :
MSVOA_U
ClientSampleId :

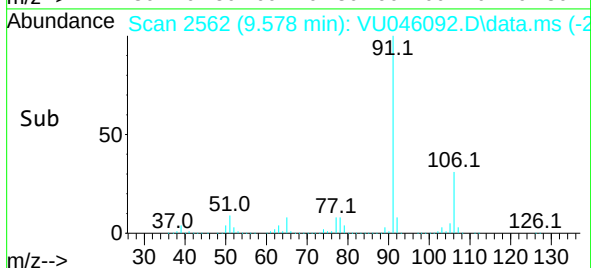
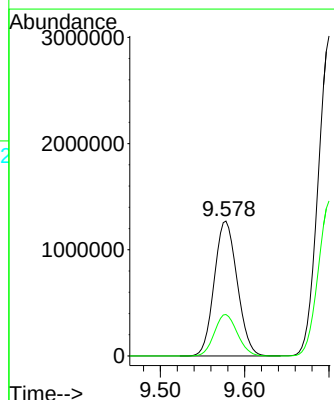
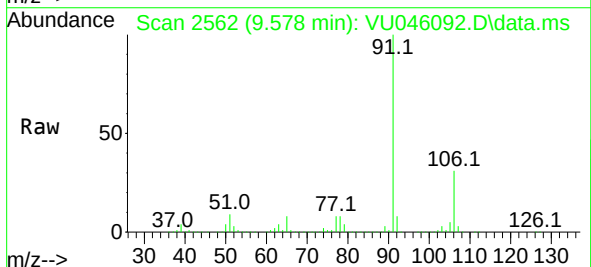


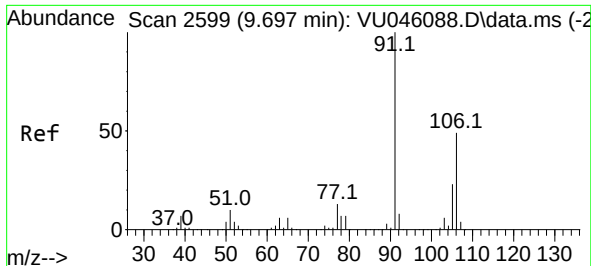
Tgt Ion: 97	Resp: 4463
Ion Ratio	Lower Upper
97 100	
99 0.0	44.7 82.9#
83 9.5	60.2 111.8#
85 0.0	39.3 73.1#



#52
Ethylbenzene
Concen: 381.829 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. 0.003 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

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

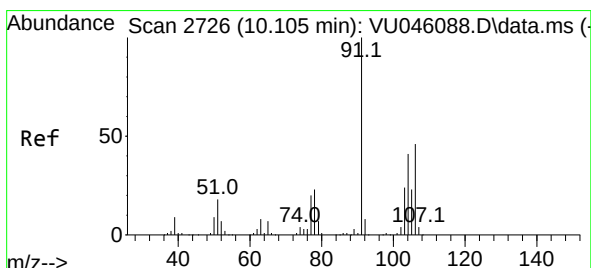
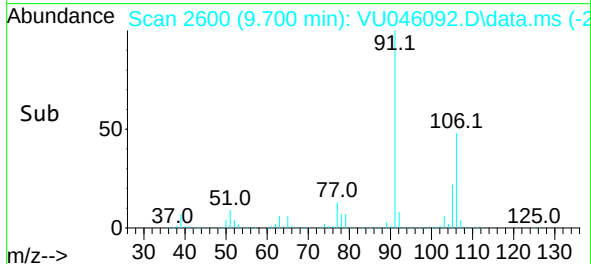
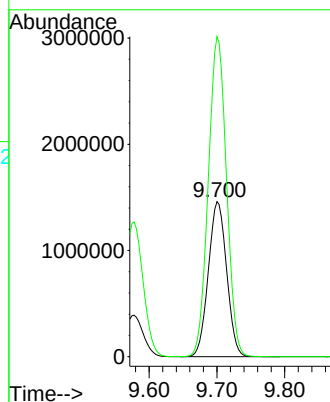
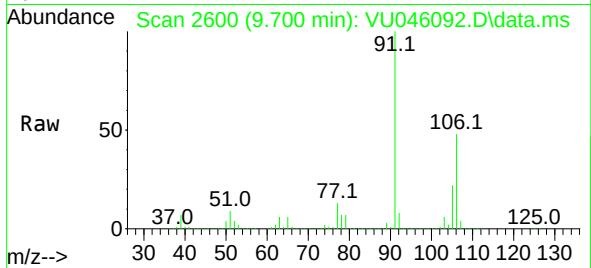




#53
m,p-Xylene
Concen: 1112.924 ug/L
RT: 9.700 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

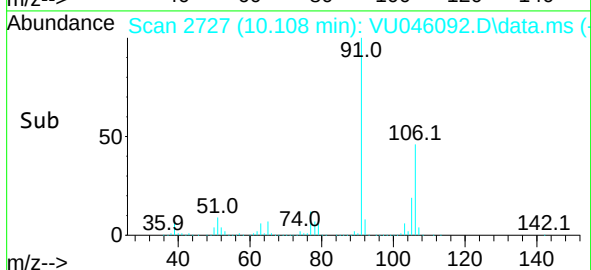
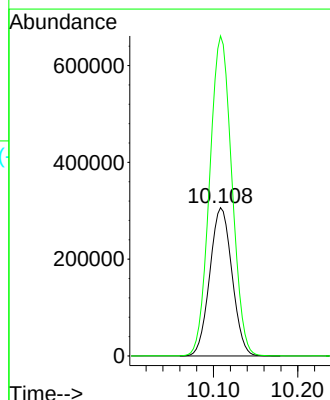
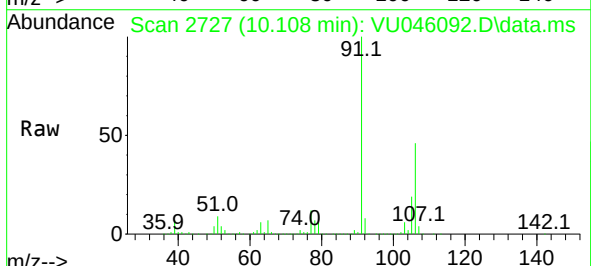
Instrument :
MSVOA_U
ClientSampleId :

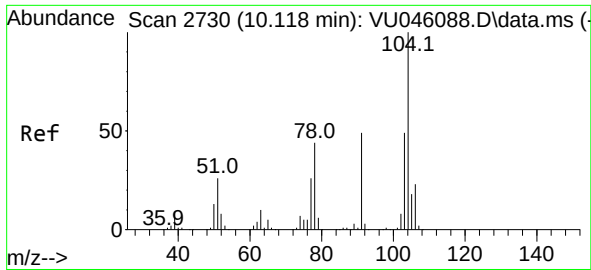
Tgt Ion:106 Resp: 2730984
Ion Ratio Lower Upper
106 100
91 206.5 144.3 268.1



#54
o-xylene
Concen: 235.772 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.003 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

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

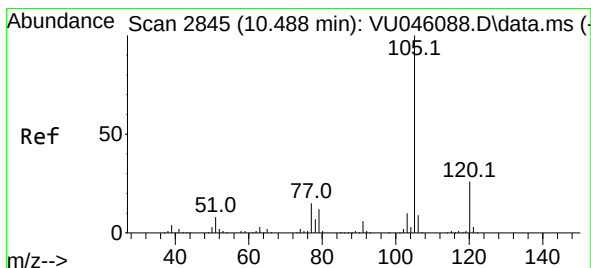
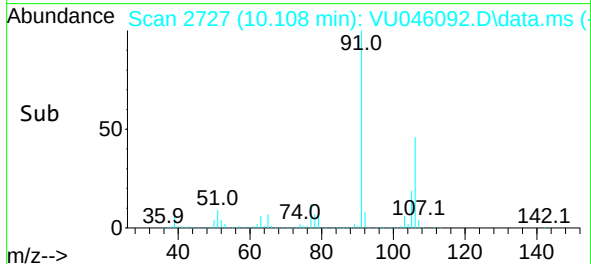
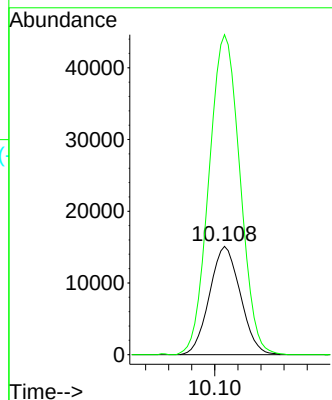
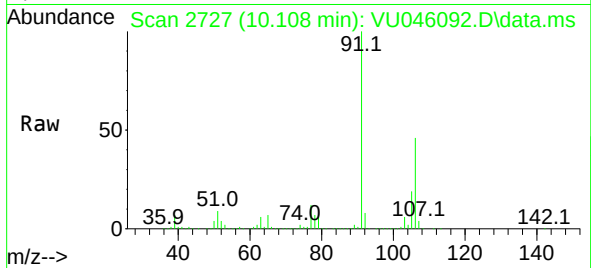




#55
Styrene
Concen: 6.889 ug/L
RT: 10.108 min Scan# 21
Delta R.T. -0.010 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

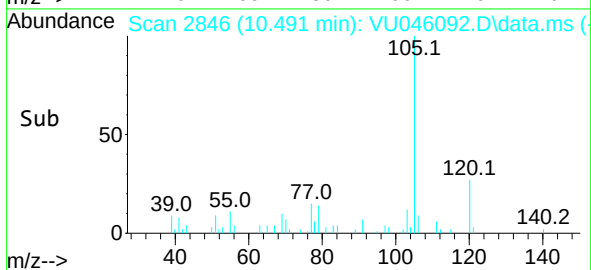
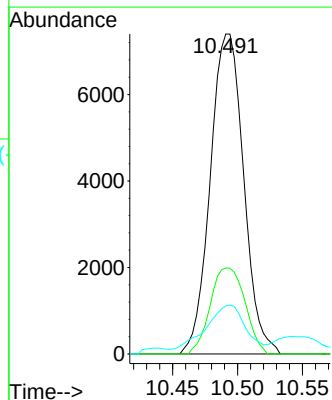
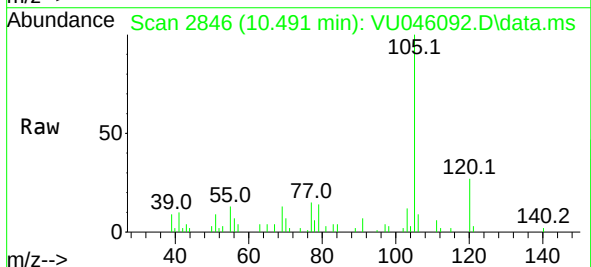
Instrument :
MSVOA_U
ClientSampleId :

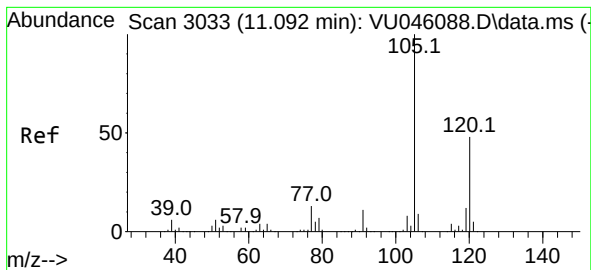
Tgt Ion:104 Resp: 28006
Ion Ratio Lower Upper
104 100
78 295.3 32.6 60.5#



#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

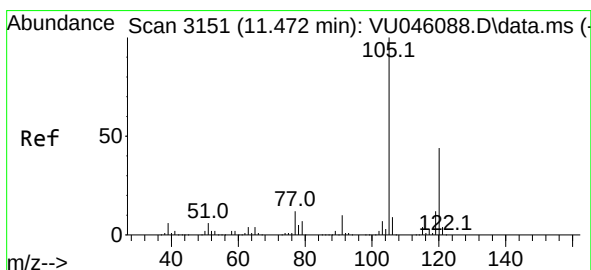
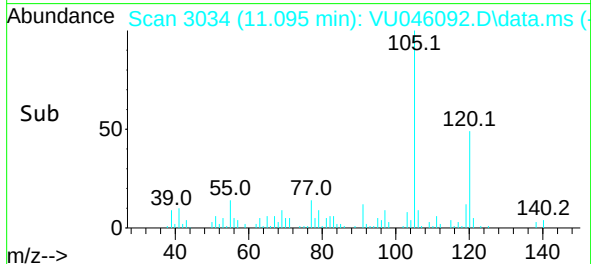
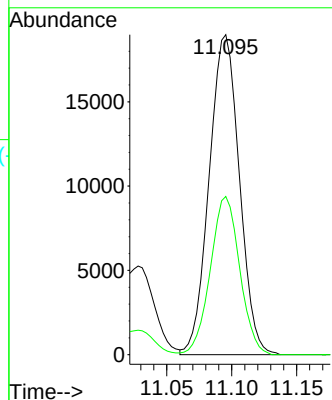
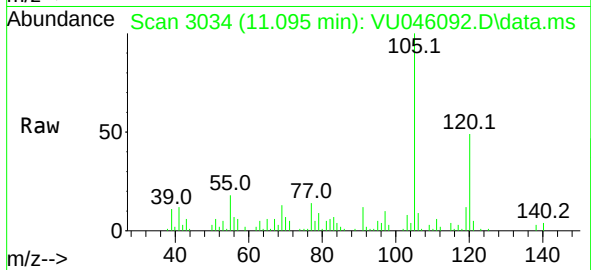
ClientSampleId :

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

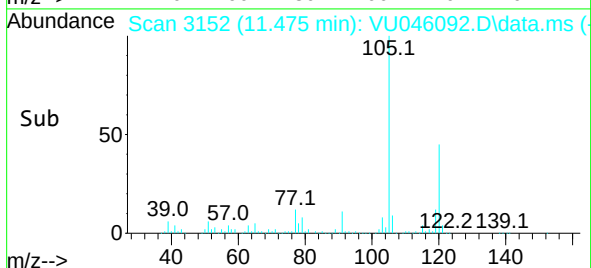
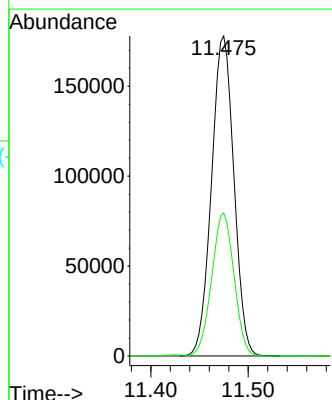
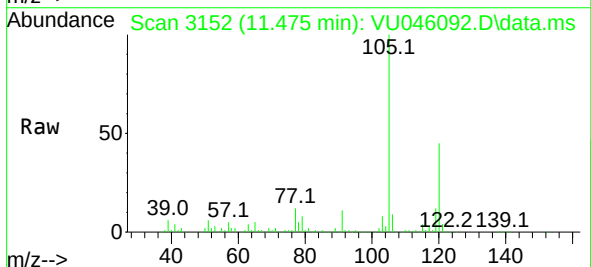
Acq: 04 Dec 2021 14:51

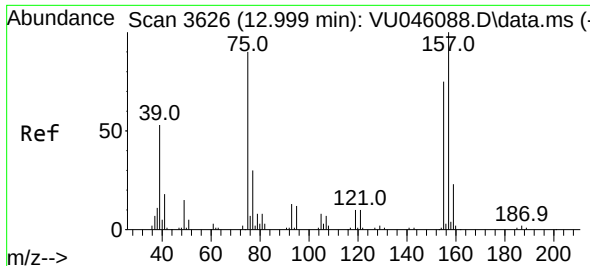
Tgt Ion:105 Resp: 284132

Ion Ratio Lower Upper

105 100

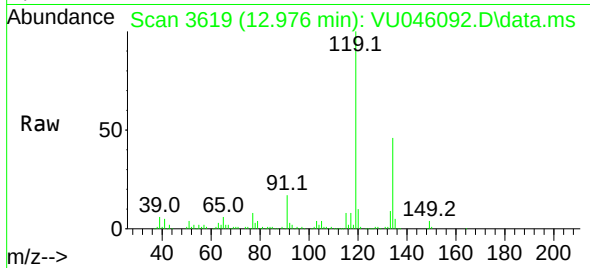
120 44.5 35.2 52.8



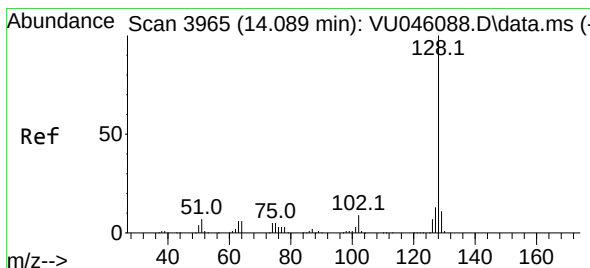
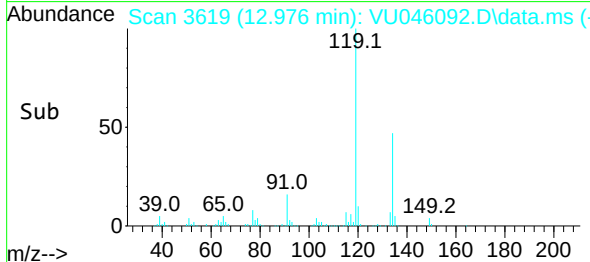
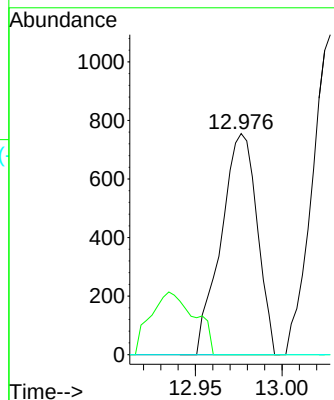


#68
1,2-Dibromo-3-chloropropane
Concen: 2.113 ug/L
RT: 12.976 min Scan# 3619
Delta R.T. -0.022 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 1093
Ion Ratio Lower Upper
75 100
155 0.0 64.9 97.3#
157 0.0 81.9 122.9#



#71
Naphthalene
Concen: 14.360 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU046092.D
Acq: 04 Dec 2021 14:51

Tgt Ion: 128 Resp: 88461
Ion Ratio Lower Upper
128 100
127 13.4 10.1 15.1
129 12.1 8.6 13.0

