

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120721\
 Data File : VU046143.D
 Acq On : 07 Dec 2021 16:10
 Operator : SY/MD
 Sample : M4960-04 10X
 Misc : 6.90g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 08 04:53:52 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	6.250	114	220523	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	214865	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	119109	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	85460	47.045	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.100%		
7) Chloroethane-d5	1.919	69	63072	45.221	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.440%		
11) 1,1-Dichloroethene-d2	2.568	63	116862	35.836	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.680%		
21) 2-Butanone-d5	4.642	46	131990	91.401	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.400%		
24) Chloroform-d	5.067	84	136688	45.059	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.120%		
26) 1,2-Dichloroethane-d4	5.703	65	97887	48.082	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.160%		
32) Benzene-d6	5.729	84	324853	52.750	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	105.500%		
36) 1,2-Dichloropropane-d6	6.694	67	98254	51.480	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	102.960%		
41) Toluene-d8	7.899	98	298135	53.170	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.340%		
43) trans-1,3-Dichloroprop...	8.179	79	47892	51.981	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	103.960%		
47) 2-Hexanone-d5	8.636	63	100730	111.312	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	111.310%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	148221	51.208	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.420%		
66) 1,2-Dichlorobenzene-d4	12.195	152	124266	54.174	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	108.340%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	1053	0.656	ug/L #	21
12) 1,1-Dichloroethene	2.572	96	887	0.582	ug/L #	1
25) Chloroform	5.089	83	14426	4.425	ug/L	98
33) Benzene	5.774	78	3868	0.595	ug/L	100
37) 1,2-Dichloropropane	6.694	63	10358	6.080	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	2769	1.068	ug/L #	50
42) Toluene	7.970	91	27793	3.983	ug/L	94
44) trans-1,3-Dichloropropene	8.179	75	1926	0.757	ug/L	96
52) Ethylbenzene	9.571	91	14231	1.895	ug/L	95
53) m,p-Xylene	9.694	106	20859	7.122	ug/L	96
54) o-xylene	10.102	106	5843	2.056	ug/L	97
55) Styrene	10.112	104	3543	0.730	ug/L	84
62) 1,3,5-Trimethylbenzene	11.089	105	7523	1.165	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	23342	3.612	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	3985	1.075	ug/L	87
71) Naphthalene	14.086	128	116570	14.074	ug/L	100

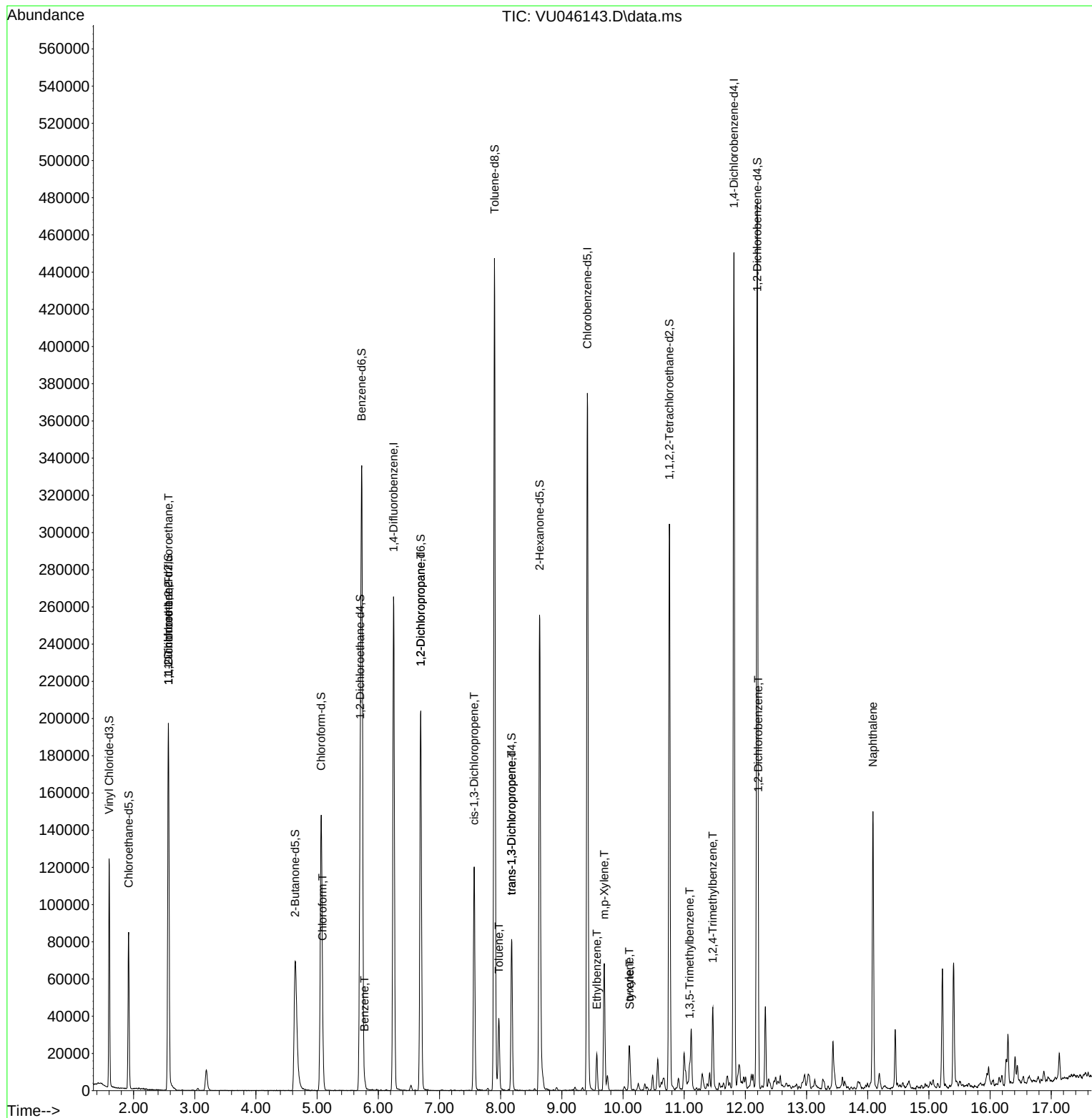
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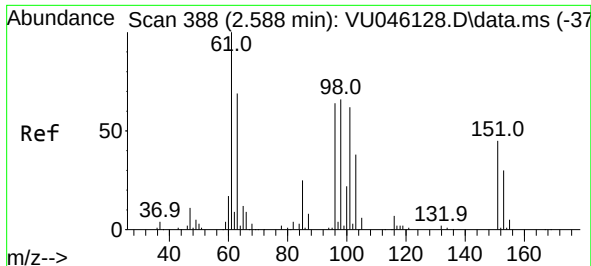
Instrument :
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ClientSampleId :

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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

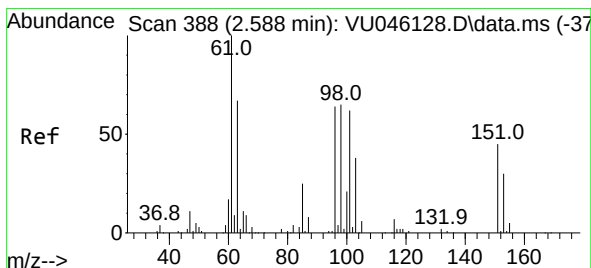
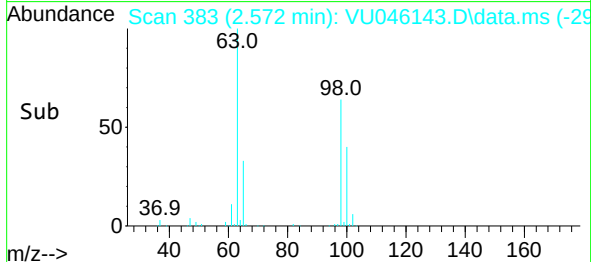
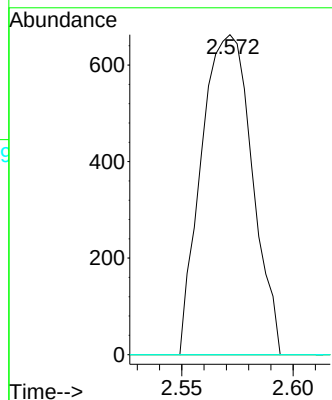
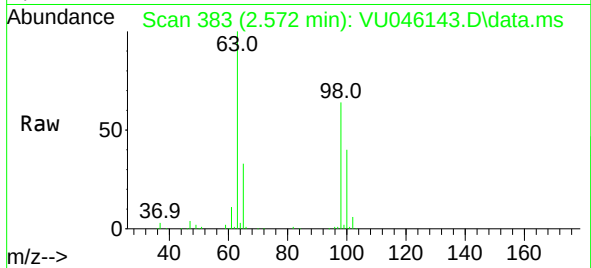




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.656 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU046143.D
 Acq: 07 Dec 2021 16:10

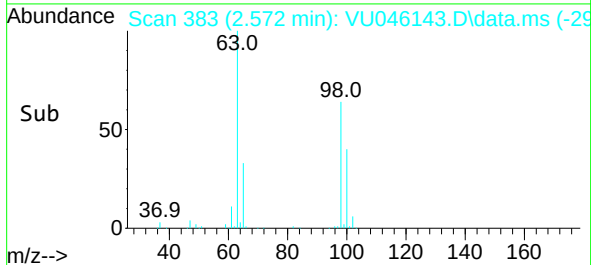
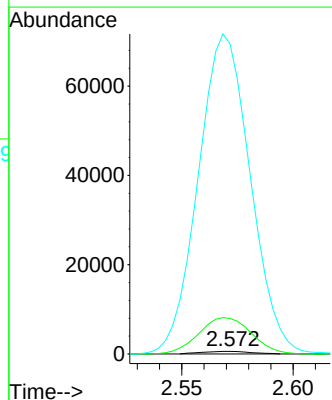
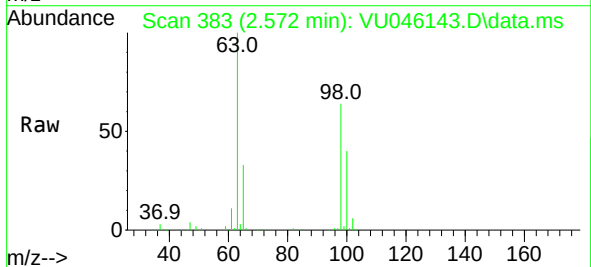
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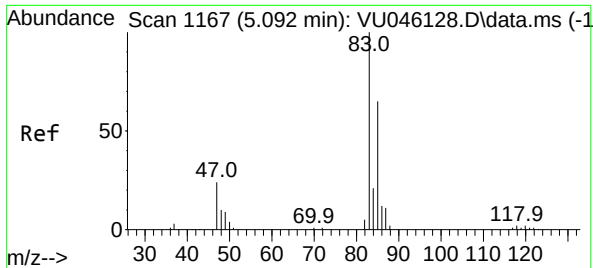
Tgt Ion:101 Resp: 1053
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.582 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.013 min
 Lab File: VU046143.D
 Acq: 07 Dec 2021 16:10

Tgt Ion: 96 Resp: 887
 Ion Ratio Lower Upper
 96 100
 61 1381.6 118.6 220.2#
 63 12073.6 93.0 172.8#

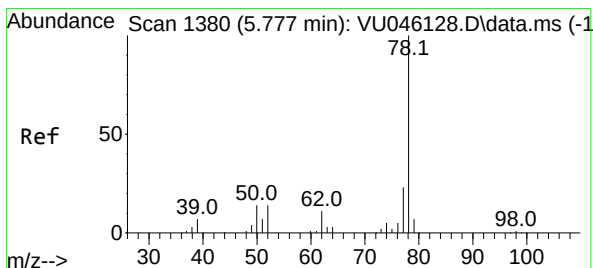
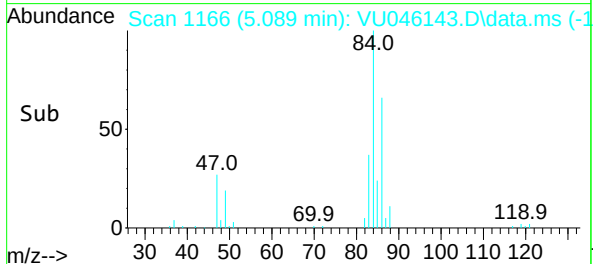
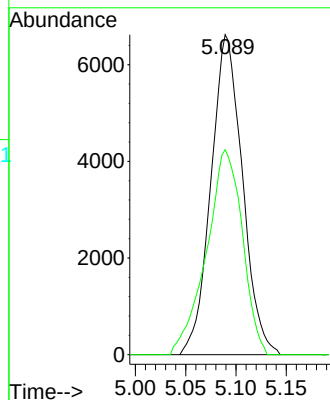
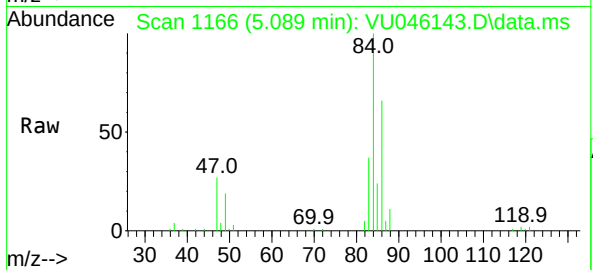




#25
Chloroform
Concen: 4.425 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.003 min
Lab File: VU046143.D
Acq: 07 Dec 2021 16:10

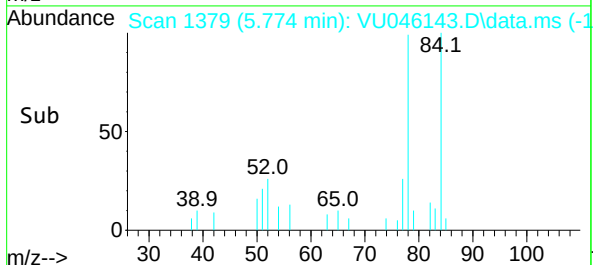
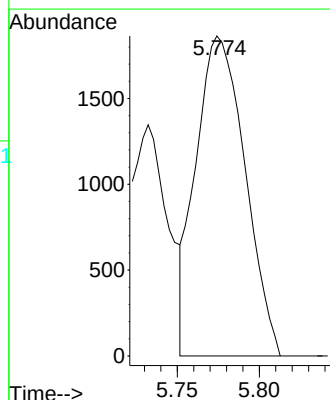
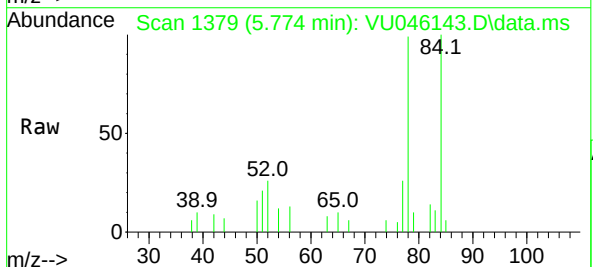
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MSVOA_U
ClientSampleId :

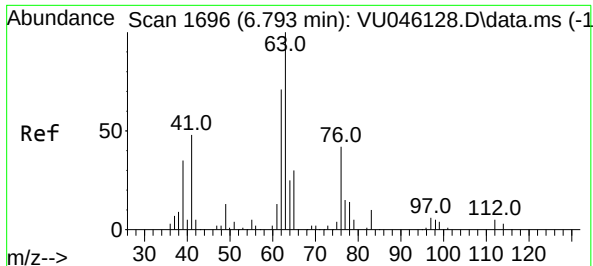
Tgt Ion: 83 Resp: 14426
Ion Ratio Lower Upper
83 100
85 64.1 45.8 85.2



#33
Benzene
Concen: 0.595 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.006 min
Lab File: VU046143.D
Acq: 07 Dec 2021 16:10

Tgt Ion: 78 Resp: 3868





#37

1,2-Dichloropropane

Concen: 6.080 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046143.D

Acq: 07 Dec 2021 16:10

Instrument :

MSVOA_U

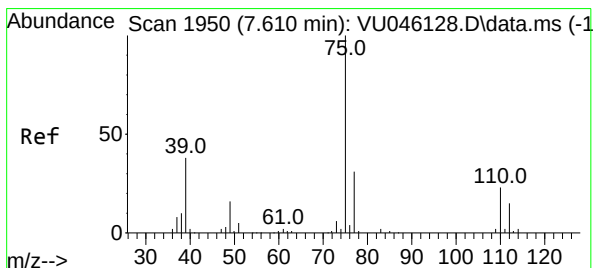
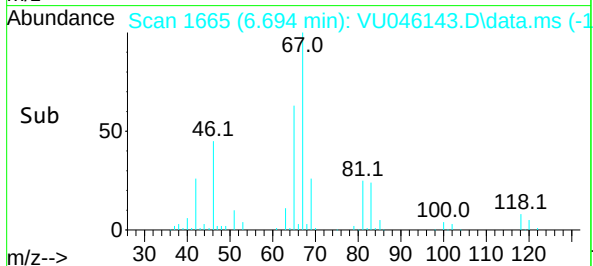
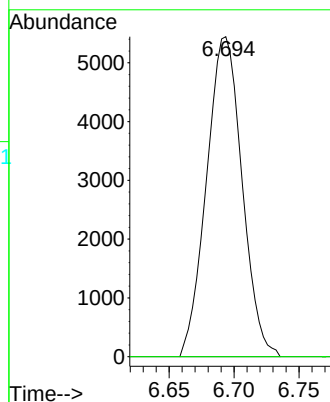
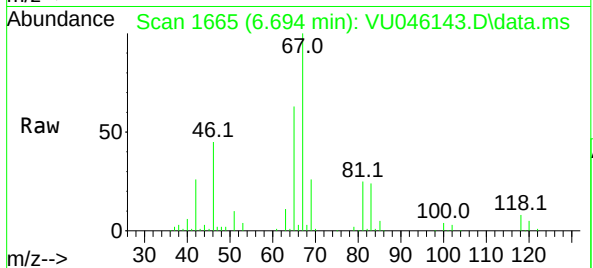
ClientSampleId :

Tgt Ion: 63 Resp: 10358

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.068 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046143.D

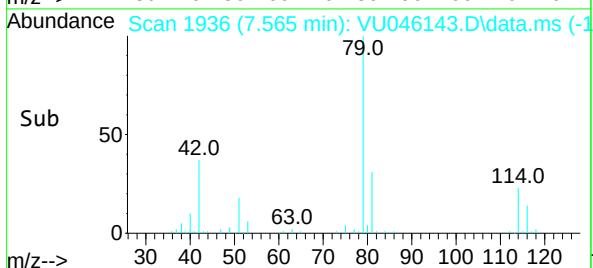
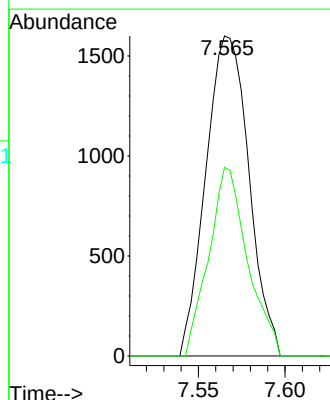
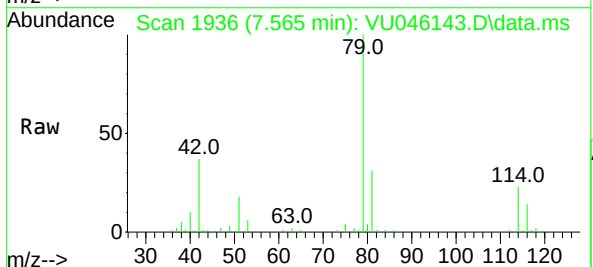
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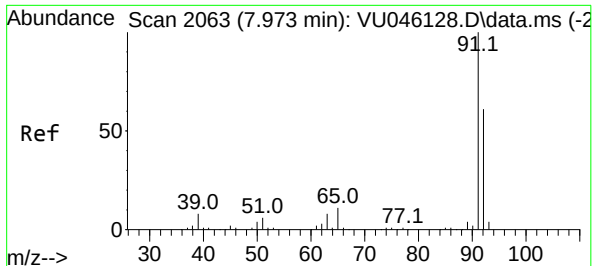
Tgt Ion: 75 Resp: 2769

Ion Ratio Lower Upper

75 100

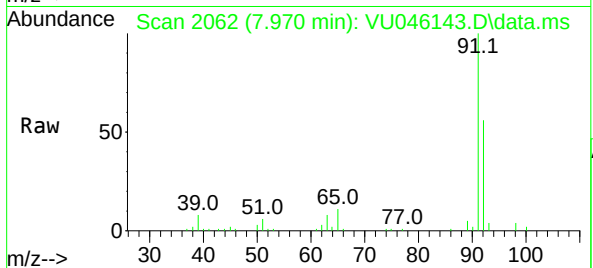
77 58.9 21.8 40.6#



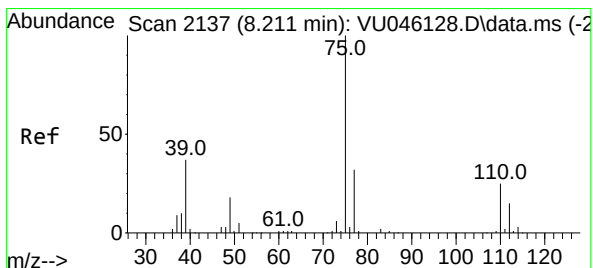
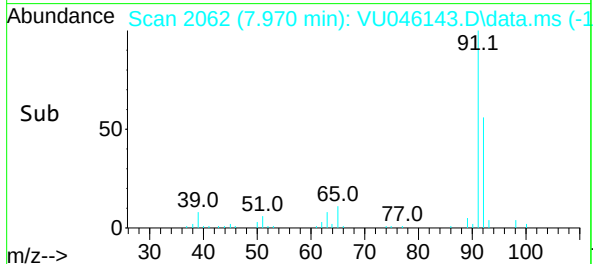
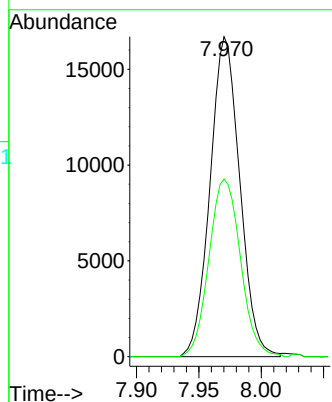


#42
Toluene
Concen: 3.983 ug/L
RT: 7.970 min Scan# 2063
Delta R.T. -0.003 min
Lab File: VU046143.D
Acq: 07 Dec 2021 16:10

Instrument :
MSVOA_U
ClientSampleId :

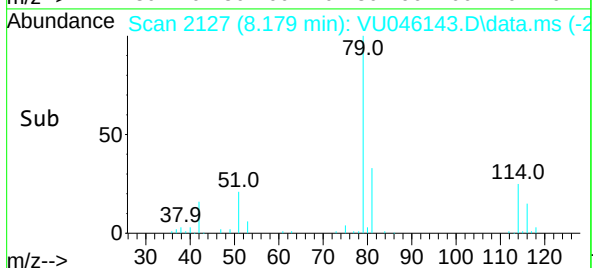
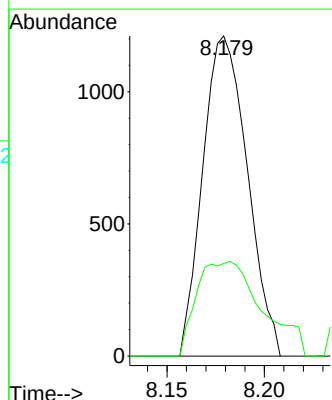
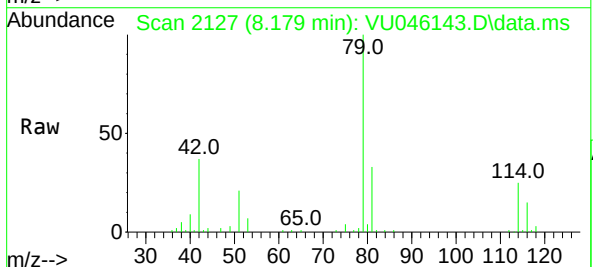


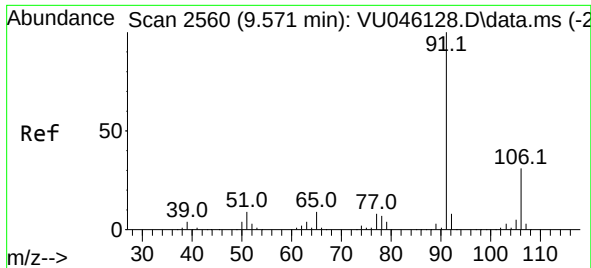
Tgt Ion: 91 Resp: 27793
Ion Ratio Lower Upper
91 100
92 55.5 41.9 77.7



#44
trans-1,3-Dichloropropene
Concen: 0.757 ug/L
RT: 8.179 min Scan# 2127
Delta R.T. -0.035 min
Lab File: VU046143.D
Acq: 07 Dec 2021 16:10

Tgt Ion: 75 Resp: 1926
Ion Ratio Lower Upper
75 100
77 28.9 21.7 40.3

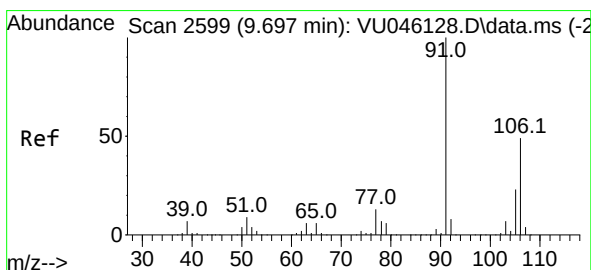
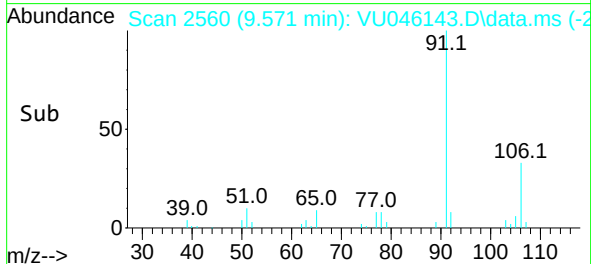
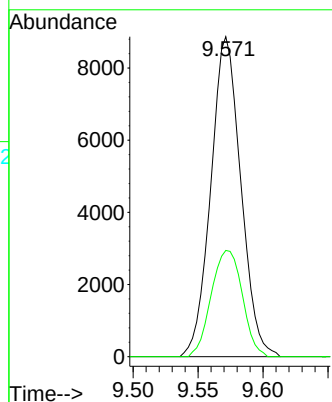
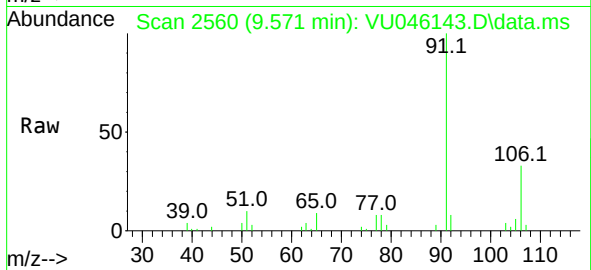




#52
Ethylbenzene
Concen: 1.895 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU046143.D
Acq: 07 Dec 2021 16:10

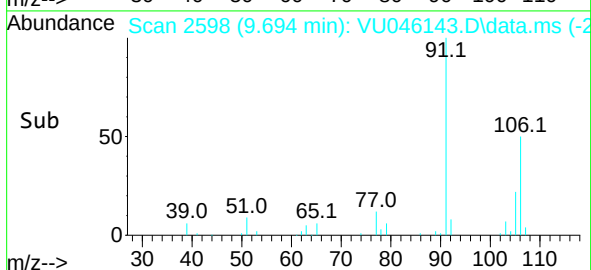
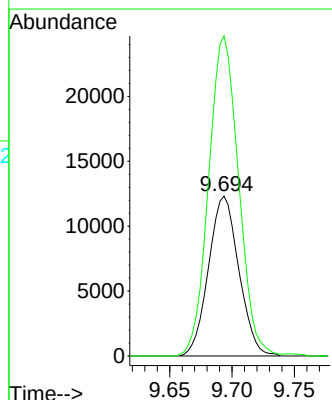
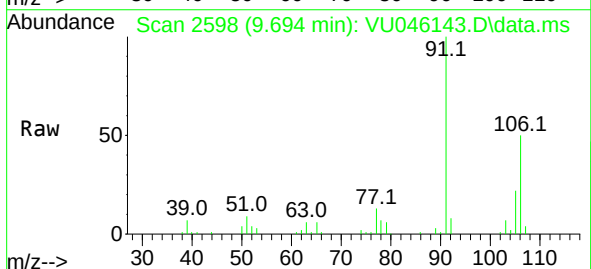
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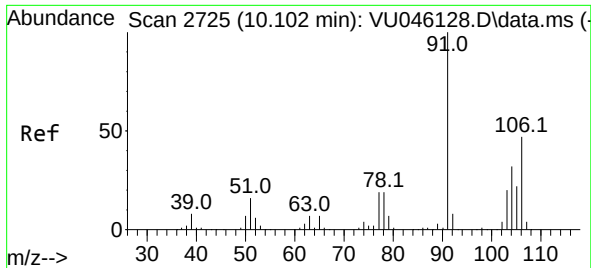
Tgt Ion: 91 Resp: 14231
Ion Ratio Lower Upper
91 100
106 33.2 21.1 39.3



#53
m,p-Xylene
Concen: 7.122 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046143.D
Acq: 07 Dec 2021 16:10

Tgt Ion: 106 Resp: 20859
Ion Ratio Lower Upper
106 100
91 200.1 144.3 268.1

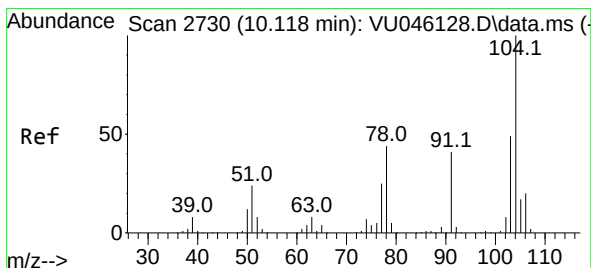
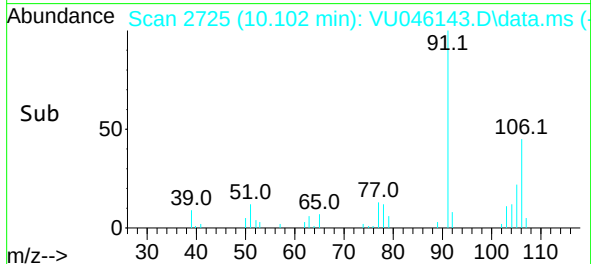
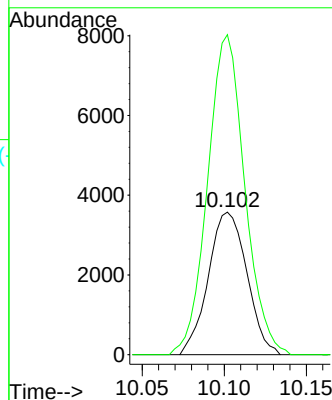
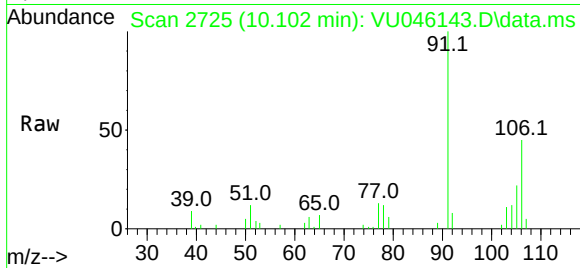




#54
o-xylene
Concen: 2.056 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU046143.D
Acq: 07 Dec 2021 16:10

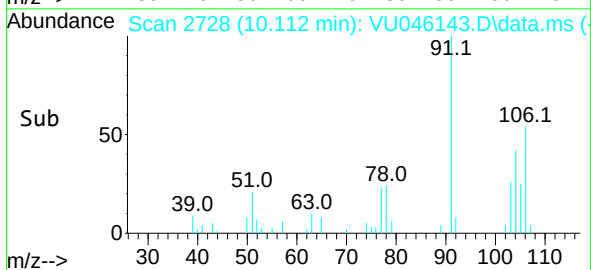
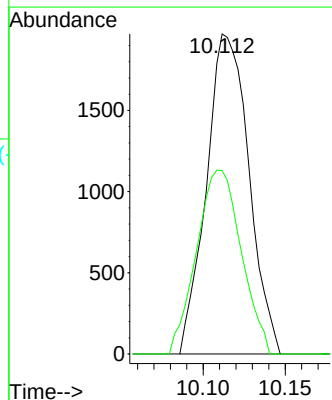
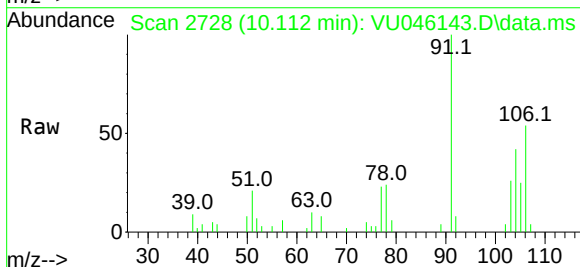
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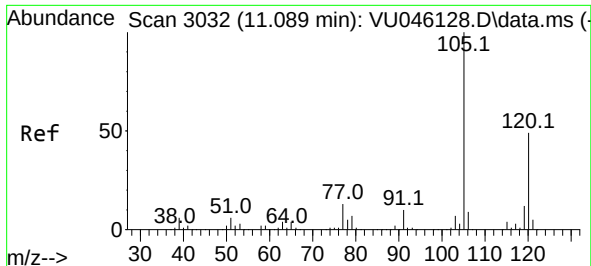
Tgt Ion:106 Resp: 5843
Ion Ratio Lower Upper
106 100
91 224.6 154.2 286.4



#55
Styrene
Concen: 0.730 ug/L
RT: 10.112 min Scan# 2728
Delta R.T. -0.006 min
Lab File: VU046143.D
Acq: 07 Dec 2021 16:10

Tgt Ion:104 Resp: 3543
Ion Ratio Lower Upper
104 100
78 57.3 32.6 60.5





#62

1,3,5-Trimethylbenzene

Concen: 1.165 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.003 min

Lab File: VU046143.D

Acq: 07 Dec 2021 16:10

Instrument :

MSVOA_U

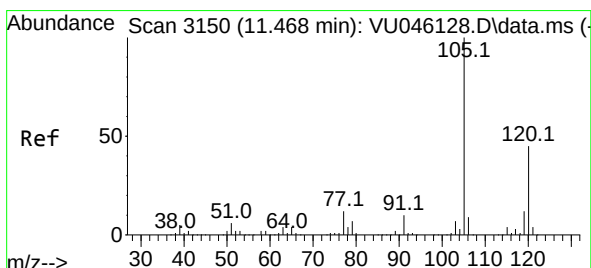
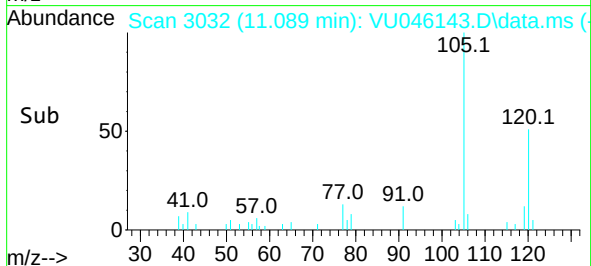
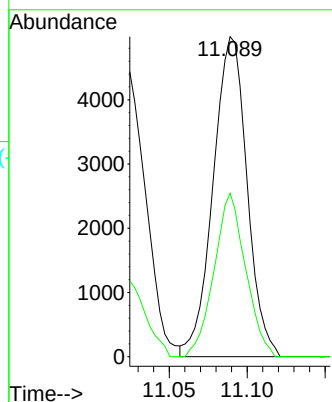
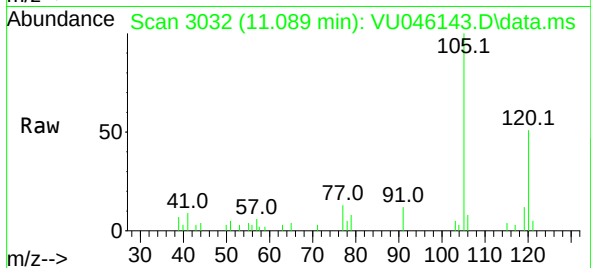
ClientSampleId :

Tgt Ion:105 Resp: 7523

Ion Ratio Lower Upper

105 100

120 47.5 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 3.612 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046143.D

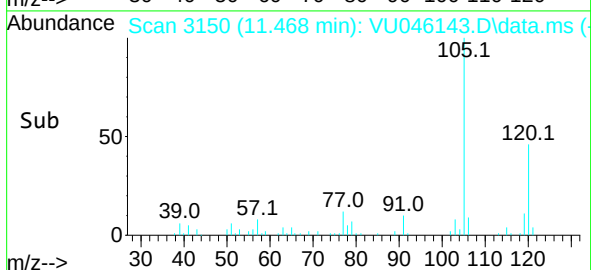
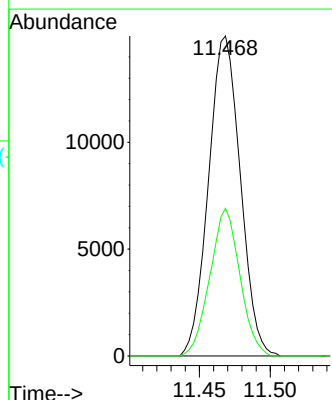
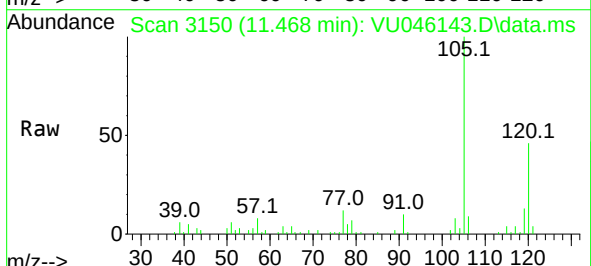
Acq: 07 Dec 2021 16:10

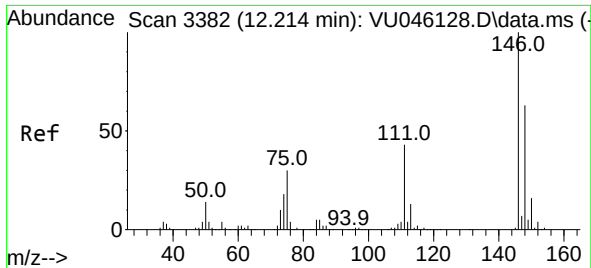
Tgt Ion:105 Resp: 23342

Ion Ratio Lower Upper

105 100

120 43.5 35.2 52.8





#67

1,2-Dichlorobenzene

Concen: 1.075 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

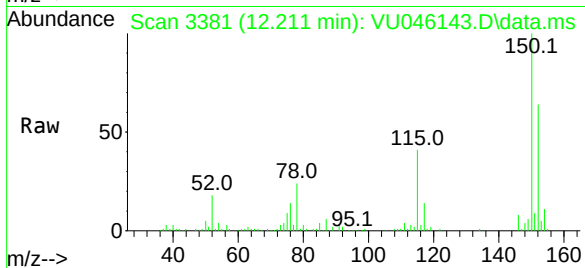
Lab File: VU046143.D

Acq: 07 Dec 2021 16:10

Instrument :

MSVOA_U

ClientSampleId :



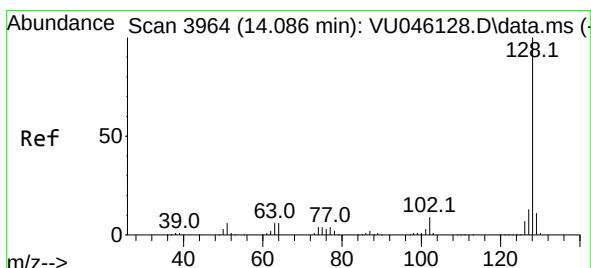
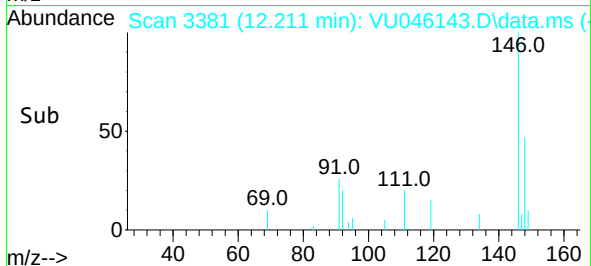
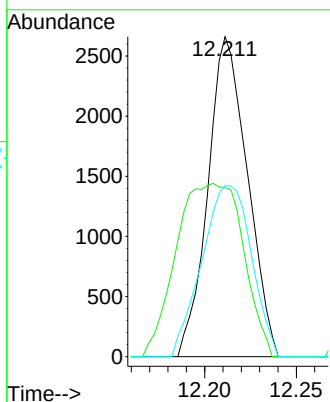
Tgt Ion:146 Resp: 3985

Ion Ratio Lower Upper

146 100

111 52.8 35.7 53.5

148 53.4 51.2 76.8



#71

Naphthalene

Concen: 14.074 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. -0.003 min

Lab File: VU046143.D

Acq: 07 Dec 2021 16:10

Tgt Ion:128 Resp: 116570

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

129 10.6 8.6 13.0

