

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091724\
 Data File : VU060846.D
 Acq On : 17 Sep 2024 20:33
 Operator : MD/SY
 Sample : P3973-06DL 200X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 18 01:21:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 18 01:15:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	148643	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	158702	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	71465	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	48684	3.641	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.800%
7) Chloroethane-d5	1.911	69	39711	4.172	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.400%
11) 1,1-Dichloroethene-d2	2.560	65	18699	3.946	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.000%
20) 2-Butanone-d5	4.640	46	88297	41.139	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.280%
24) Chloroform-d	5.055	84	84944	4.156	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
26) 1,2-Dichloroethane-d4	5.695	65	44104	4.515	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
32) Benzene-d6	5.721	84	169767	3.991	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.800%
36) 1,2-Dichloropropane-d6	6.682	67	55538	4.220	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.400%
41) Toluene-d8	7.891	98	145811	3.760	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.200%
43) trans-1,3-Dichloroprop...	8.174	79	20145	4.252	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.000%
46) 2-Hexanone-d5	8.630	63	82826	44.322	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.640%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	43699	4.238	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	56822	4.732	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.600%
Target Compounds						
8) Chloroethane	1.933	64	1571	0.200	ug/L	97
19) 1,1-Dichloroethane	3.865	63	6149	0.316	ug/L #	89
30) Cyclohexane	5.377	56	1732	0.123	ug/L #	72
35) Methylcyclohexane	6.756	83	1951	0.124	ug/L #	59
37) 1,2-Dichloropropane	6.679	63	5596	0.465	ug/L #	93
40) 4-Methyl-2-pentanone	7.958	43	23759	4.231	ug/L #	1
42) Toluene	7.962	91	3901351	85.505	ug/L	99
52) Ethylbenzene	9.563	91	90148	1.877	ug/L	99
53) m,p-Xylene	9.685	106	130089	7.143	ug/L	95
54) o-Xylene	10.093	106	52454	2.919	ug/L	93
55) Styrene	10.093	104	3670	0.121	ug/L #	1
60) Isopropylbenzene	10.476	105	12332	0.291	ug/L	96
61) 1,2,3-Trichloropropane	10.093	75	1247	0.187	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.081	105	6418	0.195	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	24924	0.766	ug/L	99
71) Naphthalene	14.113	128	2102	0.142	ug/L	97

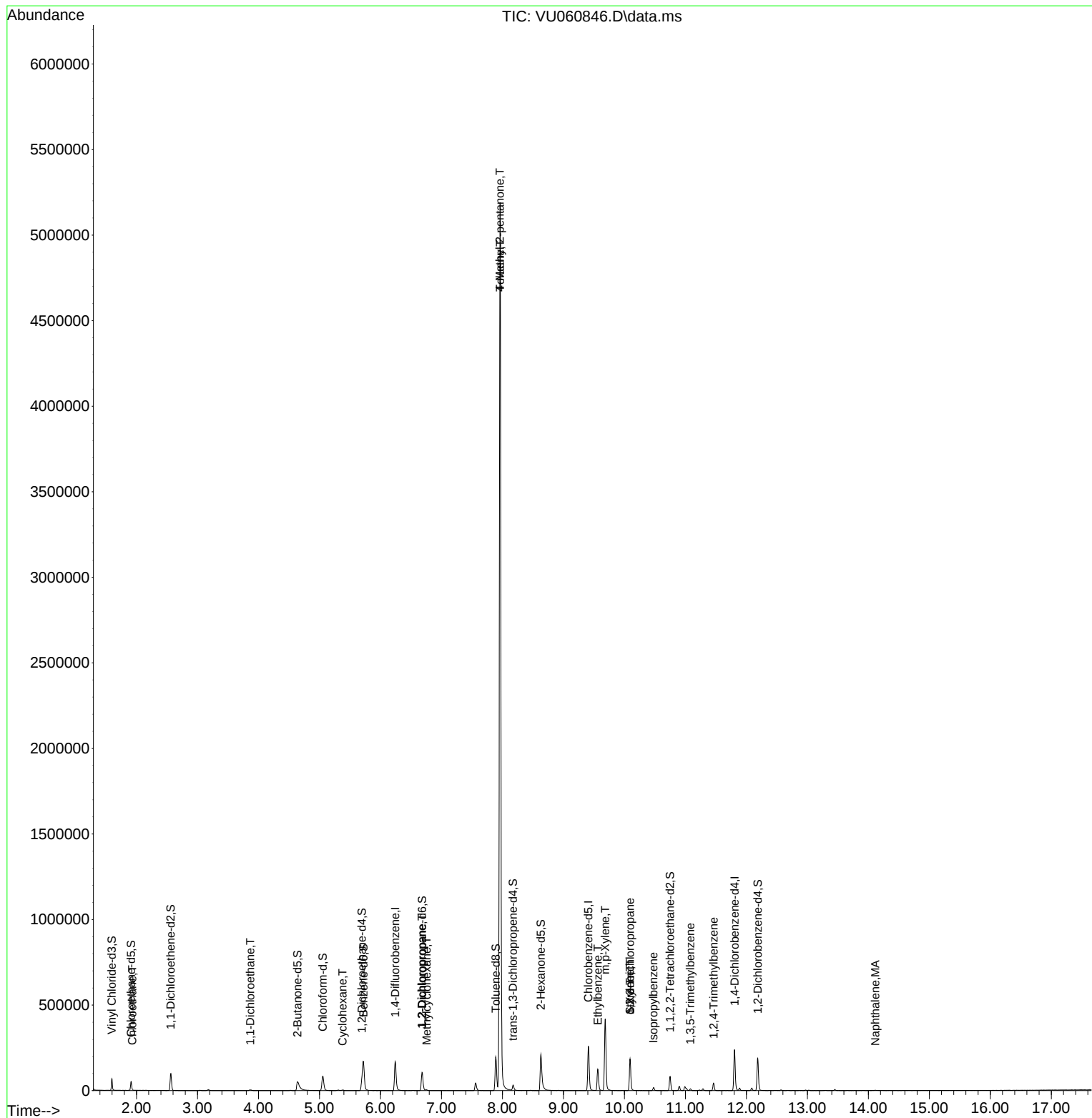
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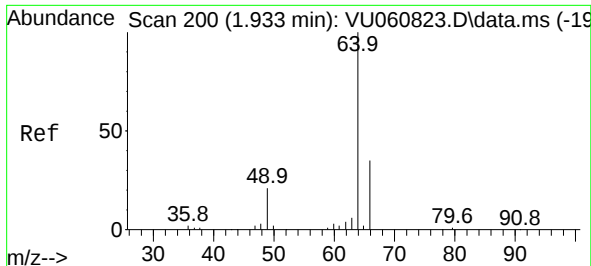
Instrument :
MSVOA_U
ClientSampleId :

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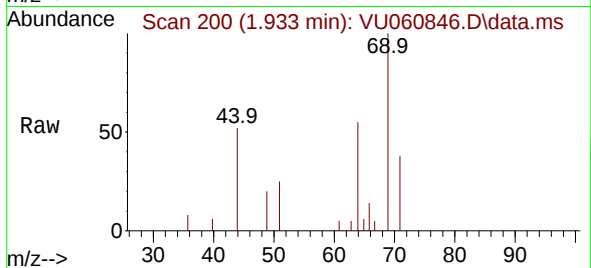
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
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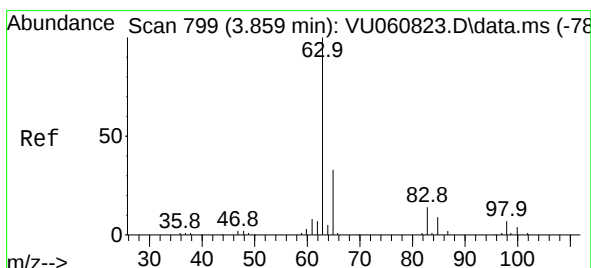
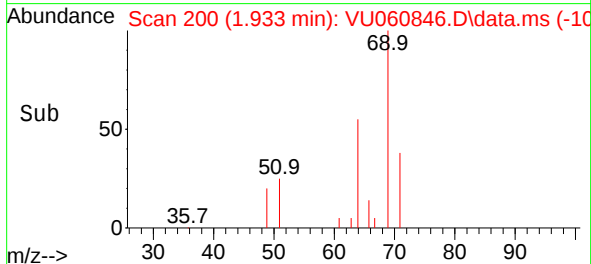
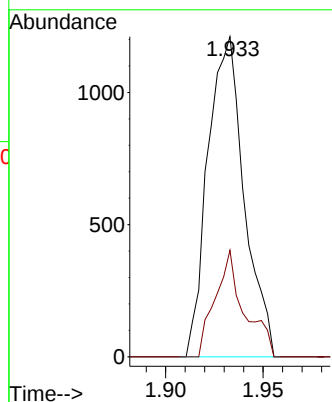


#8
Chloroethane
Concen: 0.200 ug/L
RT: 1.933 min Scan# 20
Delta R.T. -0.000 min
Lab File: VU060846.D
Acq: 17 Sep 2024 20:33

Instrument :
MSVOA_U
ClientSampleId :

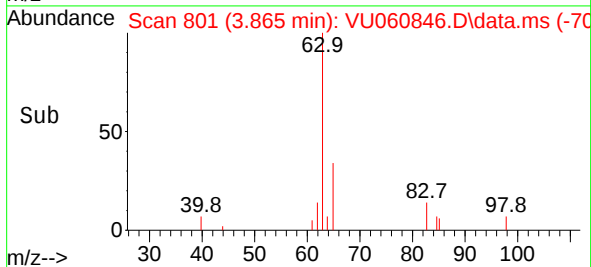
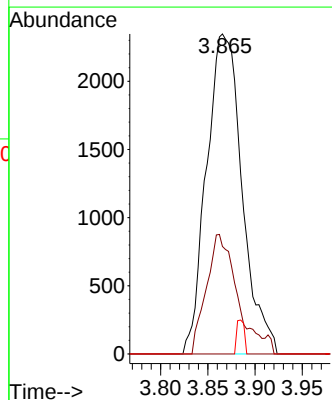
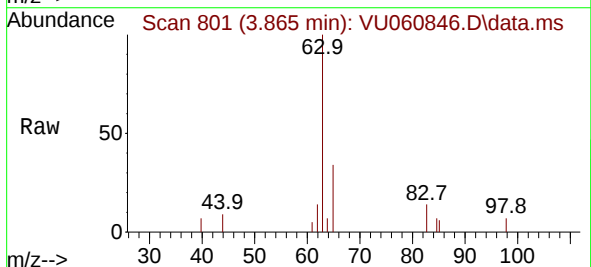


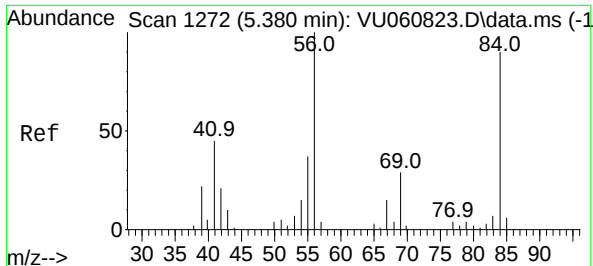
Tgt Ion: 64 Resp: 1571
Ion Ratio Lower Upper
64 100
66 33.3 22.3 41.3



#19
1,1-Dichloroethane
Concen: 0.316 ug/L
RT: 3.865 min Scan# 801
Delta R.T. 0.006 min
Lab File: VU060846.D
Acq: 17 Sep 2024 20:33

Tgt Ion: 63 Resp: 6149
Ion Ratio Lower Upper
63 100
65 31.4 23.0 42.8
83 0.0 9.0 16.6#





#30

Cyclohexane

Concen: 0.123 ug/L

RT: 5.377 min Scan# 1700

Delta R.T. -0.003 min

Lab File: VU060846.D

Acq: 17 Sep 2024 20:33

Instrument :

MSVOA_U

ClientSampleId :

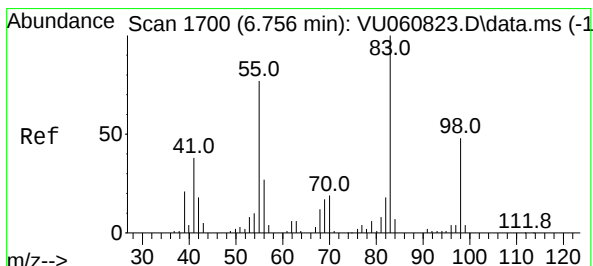
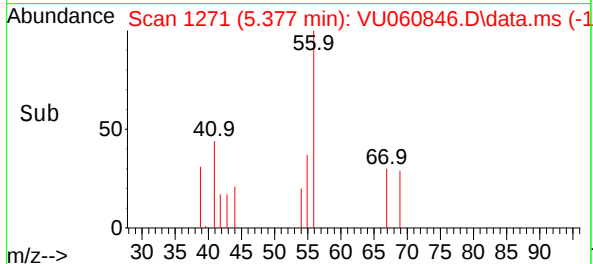
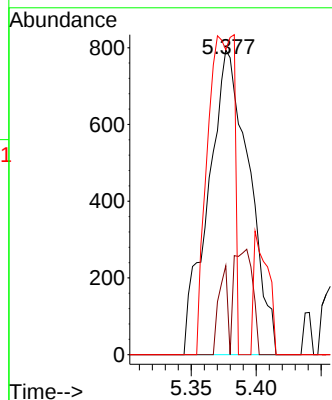
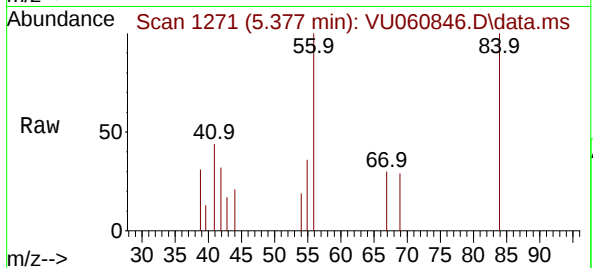
Tgt Ion: 56 Resp: 1732

Ion Ratio Lower Upper

56 100

69 6.2 25.4 38.0#

84 69.1 71.0 106.6#



#35

Methylcyclohexane

Concen: 0.124 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VU060846.D

Acq: 17 Sep 2024 20:33

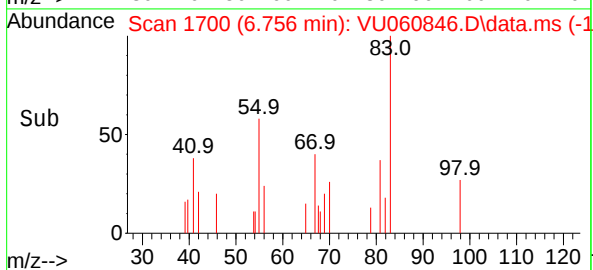
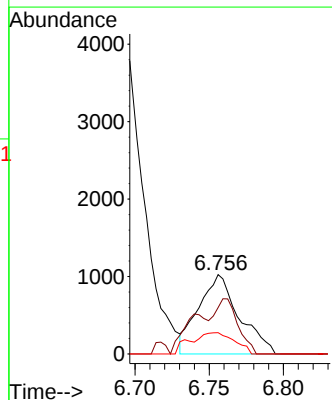
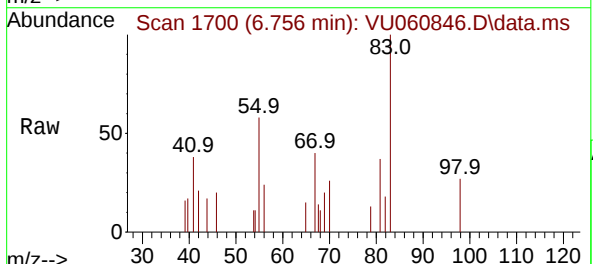
Tgt Ion: 83 Resp: 1951

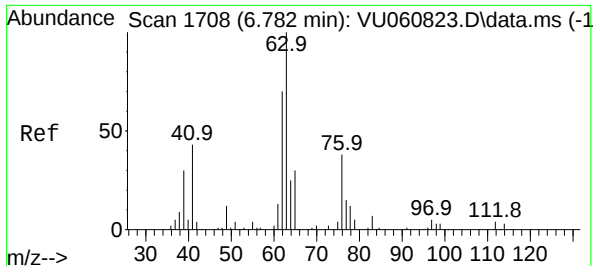
Ion Ratio Lower Upper

83 100

55 39.9 62.6 94.0#

98 22.3 37.6 56.4#

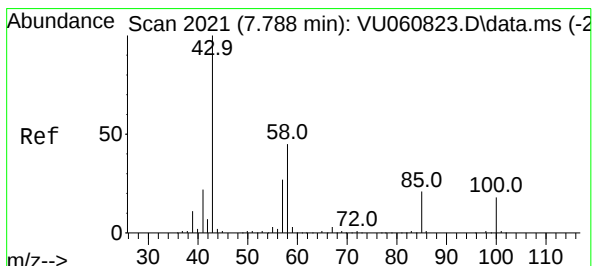
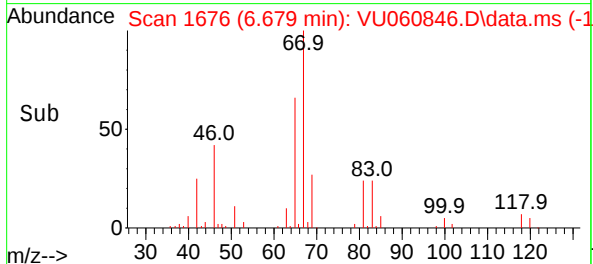
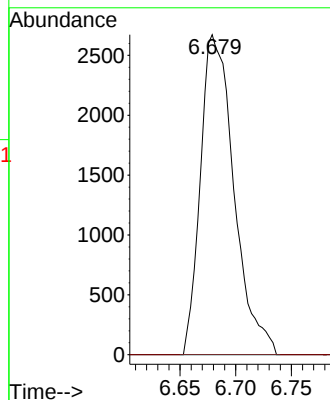
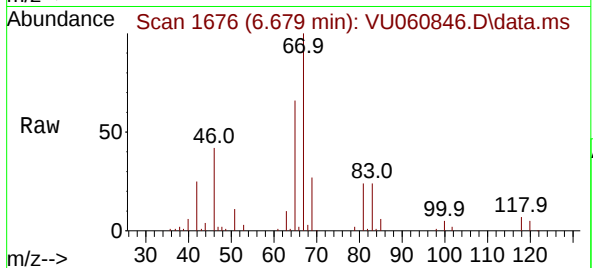




#37
1,2-Dichloropropane
Concen: 0.465 ug/L
RT: 6.679 min Scan# 1
Delta R.T. -0.103 min
Lab File: VU060846.D
Acq: 17 Sep 2024 20:33

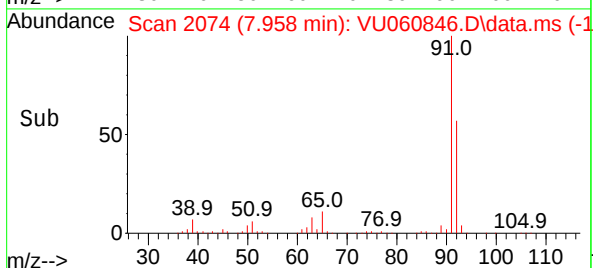
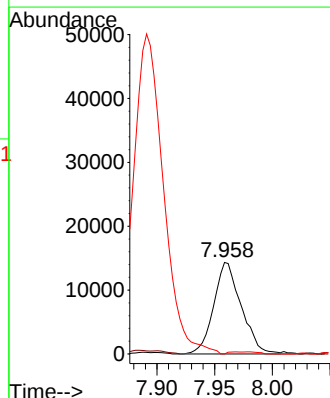
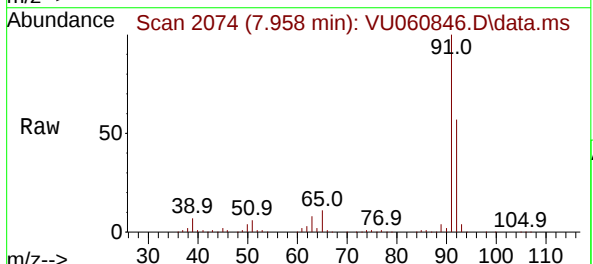
Instrument :
MSVOA_U
ClientSampleId :

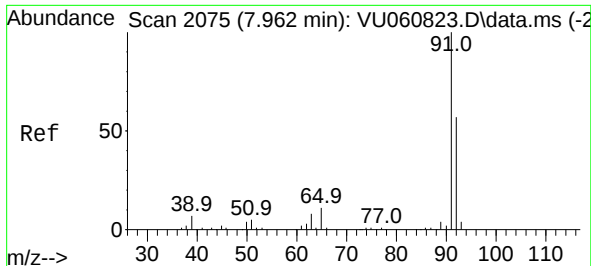
Tgt Ion: 63 Resp: 5596
Ion Ratio Lower Upper
63 100
112 0.0 2.0 3.0#



#40
4-Methyl-2-pentanone
Concen: 4.231 ug/L
RT: 7.958 min Scan# 2074
Delta R.T. 0.170 min
Lab File: VU060846.D
Acq: 17 Sep 2024 20:33

Tgt Ion: 43 Resp: 23759
Ion Ratio Lower Upper
43 100
58 2.8 34.9 52.3#
100 379.0 13.4 20.0#





#42

Toluene

Concen: 85.505 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU060846.D

Acq: 17 Sep 2024 20:33

Instrument :

MSVOA_U

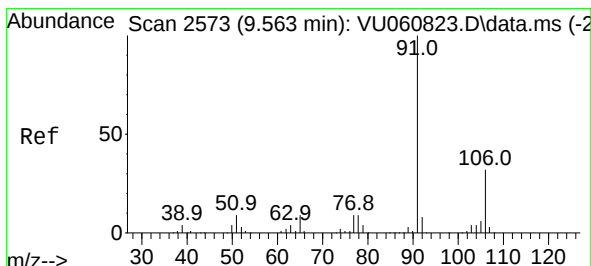
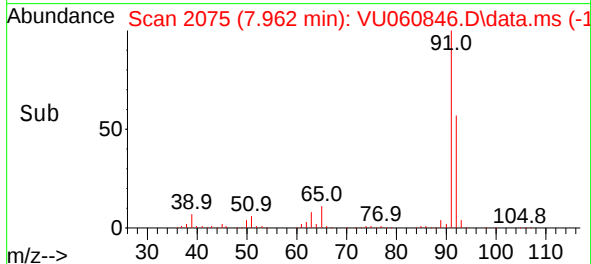
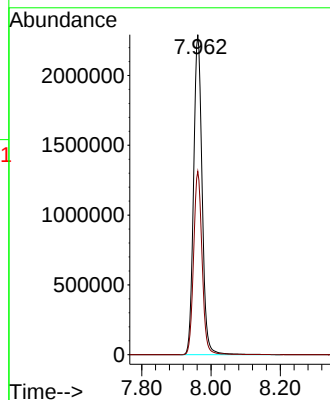
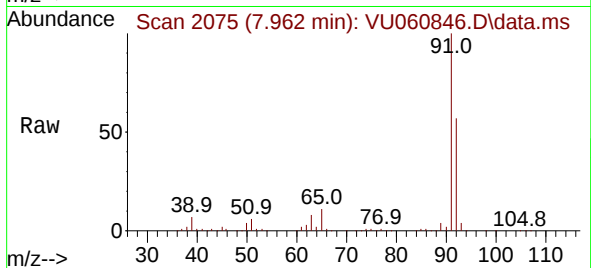
ClientSampleId :

Tgt Ion: 91 Resp: 3901351

Ion Ratio Lower Upper

91 100

92 57.2 40.5 75.3



#52

Ethylbenzene

Concen: 1.877 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. -0.000 min

Lab File: VU060846.D

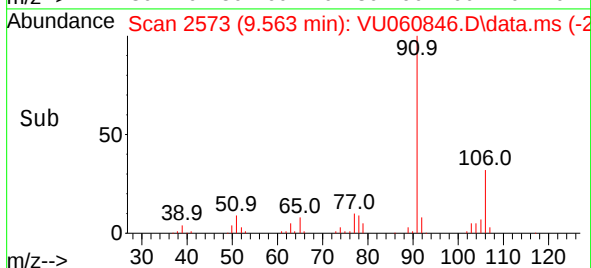
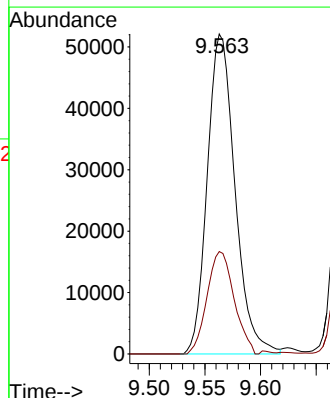
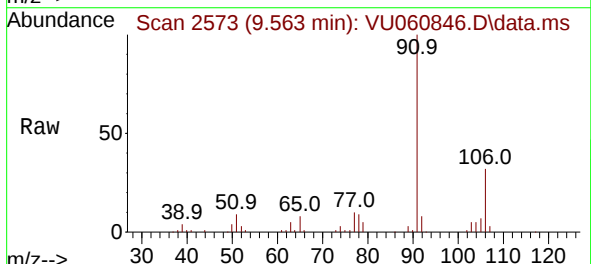
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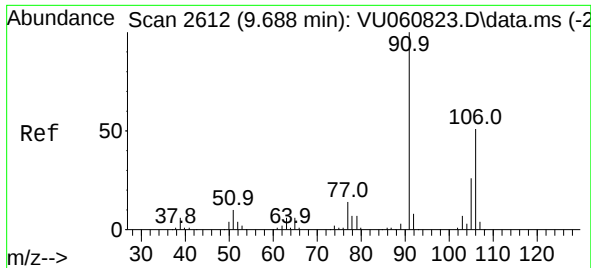
Tgt Ion: 91 Resp: 90148

Ion Ratio Lower Upper

91 100

106 32.0 21.8 40.6





#53

m,p-Xylene

Concen: 7.143 ug/L

RT: 9.685 min Scan# 2

Delta R.T. -0.003 min

Lab File: VU060846.D

Acq: 17 Sep 2024 20:33

Instrument :

MSVOA_U

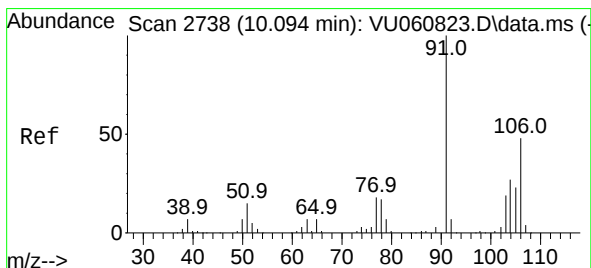
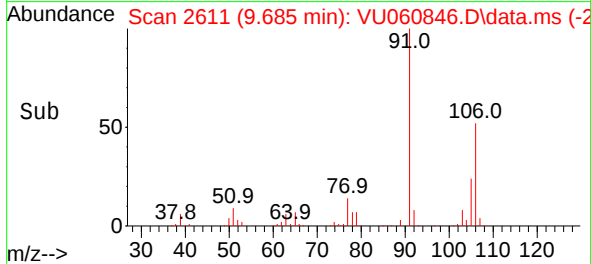
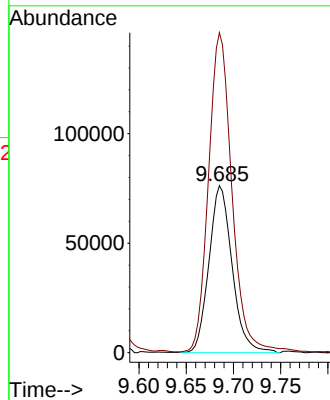
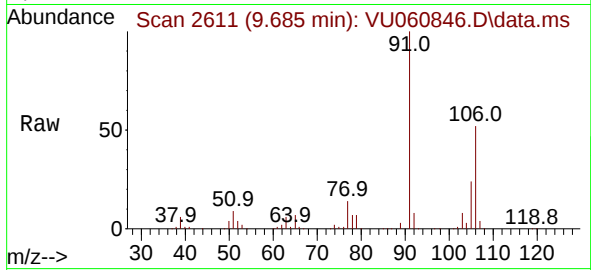
ClientSampleId :

Tgt Ion:106 Resp: 130089

Ion Ratio Lower Upper

106 100

91 191.6 139.7 259.4



#54

o-Xylene

Concen: 2.919 ug/L

RT: 10.093 min Scan# 2738

Delta R.T. -0.000 min

Lab File: VU060846.D

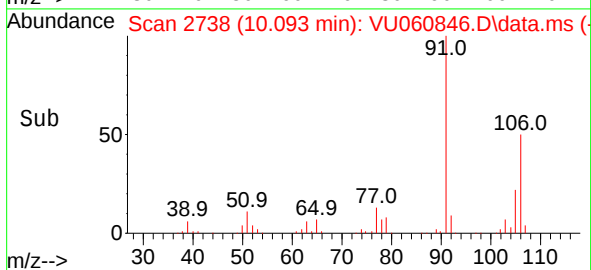
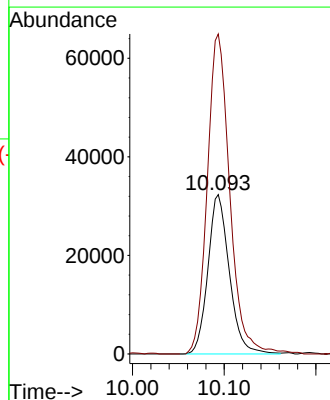
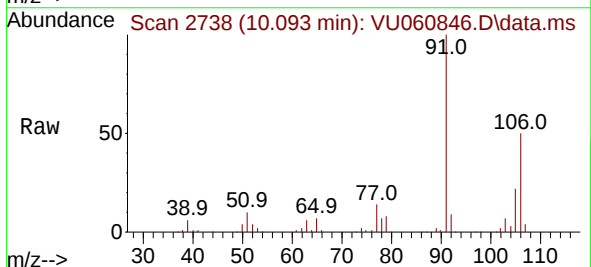
Acq: 17 Sep 2024 20:33

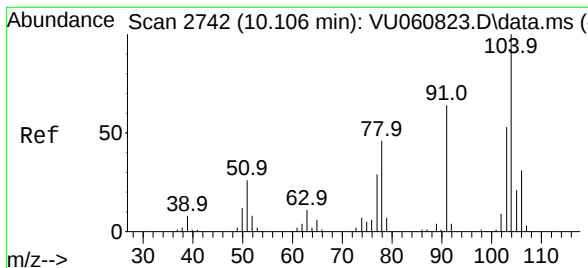
Tgt Ion:106 Resp: 52454

Ion Ratio Lower Upper

106 100

91 200.8 148.6 276.0





#55

Styrene

Concen: 0.121 ug/L

RT: 10.093 min Scan# 21

Delta R.T. -0.013 min

Lab File: VU060846.D

Acq: 17 Sep 2024 20:33

Instrument :

MSVOA_U

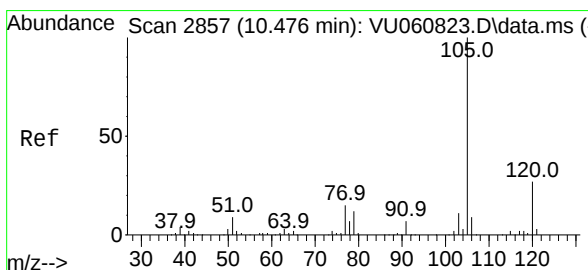
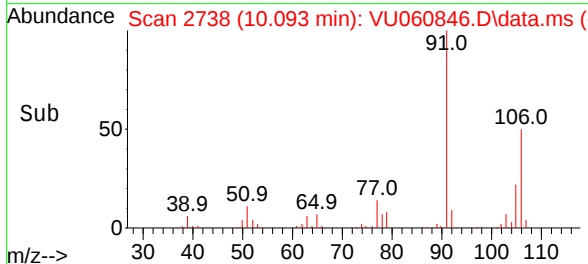
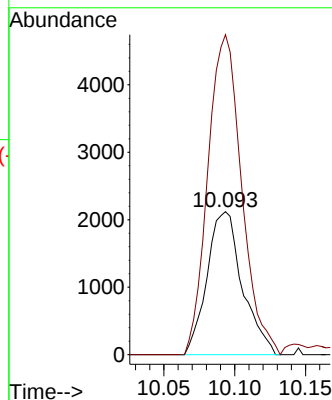
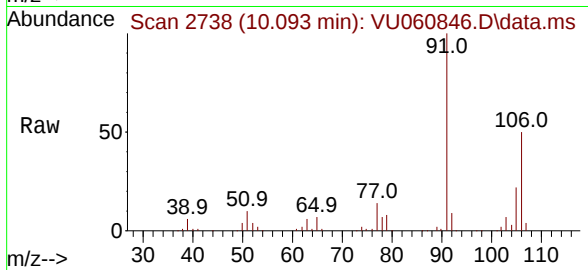
ClientSampleId :

Tgt Ion:104 Resp: 3670

Ion Ratio Lower Upper

104 100

78 223.6 31.7 58.9#



#60

Isopropylbenzene

Concen: 0.291 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU060846.D

Acq: 17 Sep 2024 20:33

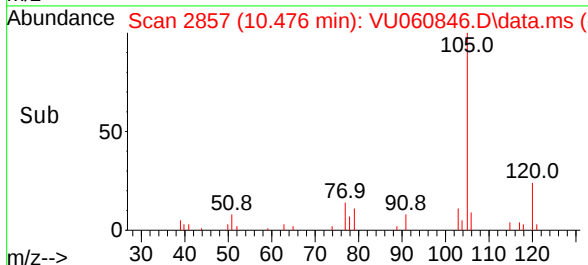
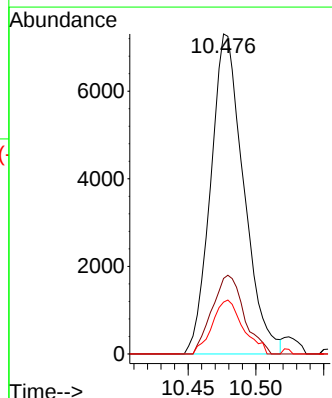
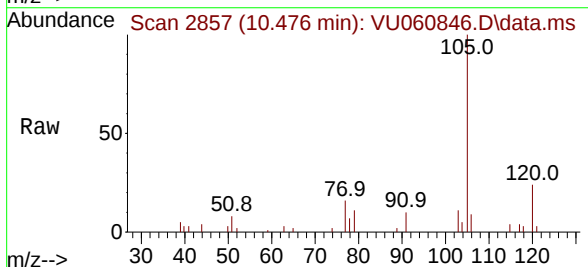
Tgt Ion:105 Resp: 12332

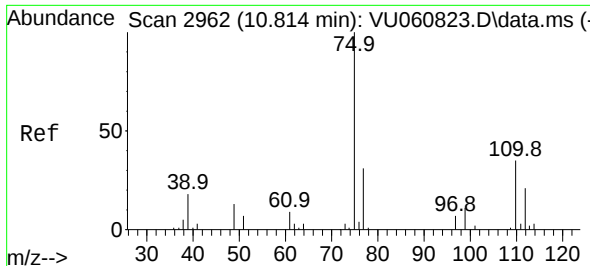
Ion Ratio Lower Upper

105 100

120 23.9 21.5 32.3

77 15.7 12.6 18.8





#61

1,2,3-Trichloropropane

Concen: 0.187 ug/L

RT: 10.093 min Scan# 21

Delta R.T. -0.720 min

Lab File: VU060846.D

Acq: 17 Sep 2024 20:33

Instrument :

MSVOA_U

ClientSampleId :

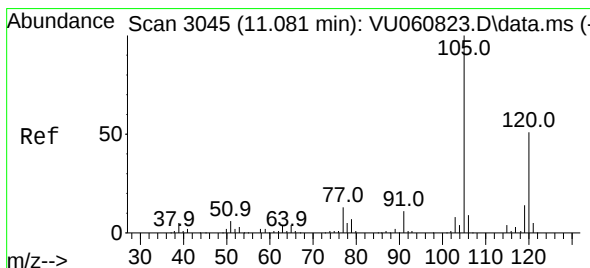
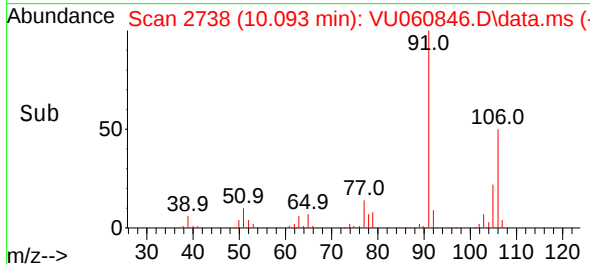
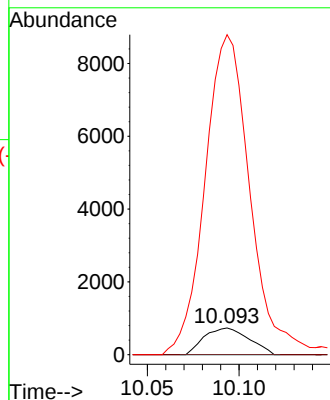
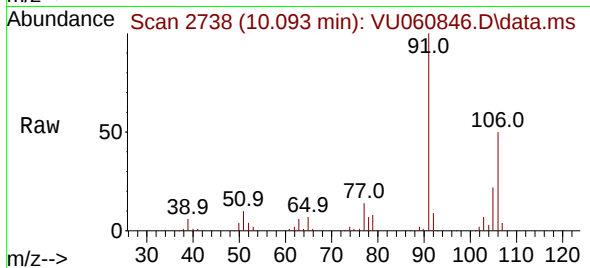
Tgt Ion: 75 Resp: 1247

Ion Ratio Lower Upper

75 100

110 0.0 28.6 43.0#

77 1205.3 26.3 39.5#



#62

1,3,5-Trimethylbenzene

Concen: 0.195 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU060846.D

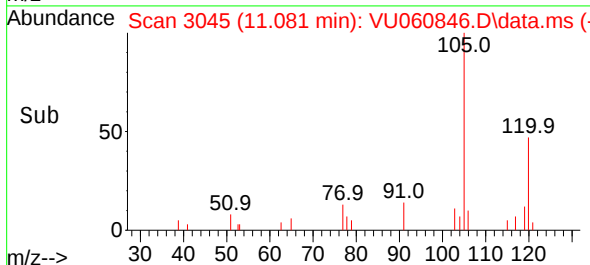
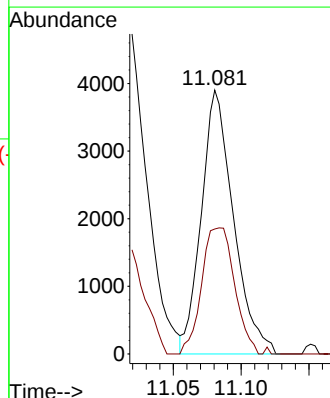
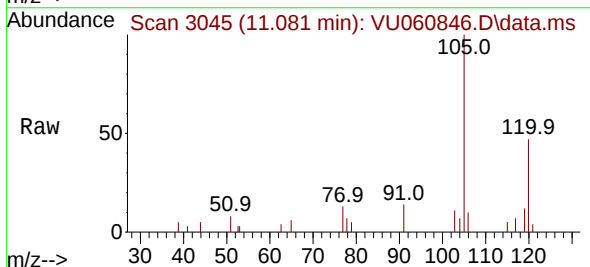
Acq: 17 Sep 2024 20:33

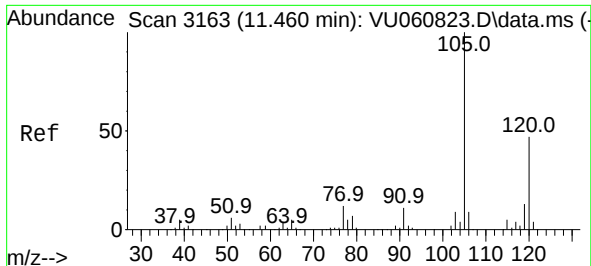
Tgt Ion:105 Resp: 6418

Ion Ratio Lower Upper

105 100

120 49.0 38.5 57.7





#63

1,2,4-Trimethylbenzene

Concen: 0.766 ug/L

RT: 11.463 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VU060846.D

Acq: 17 Sep 2024 20:33

Instrument :

MSVOA_U

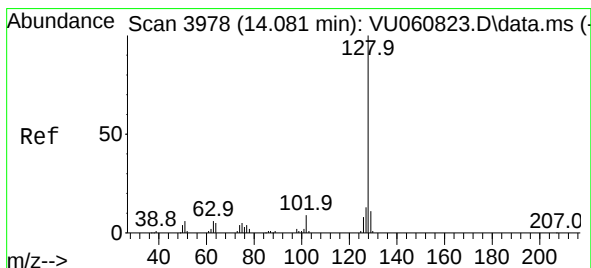
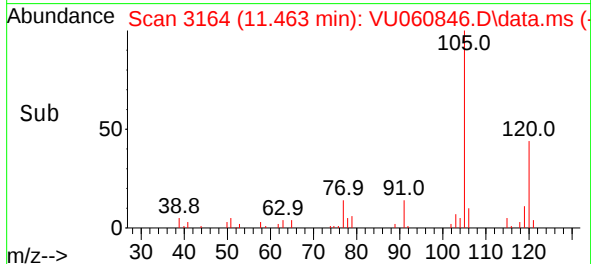
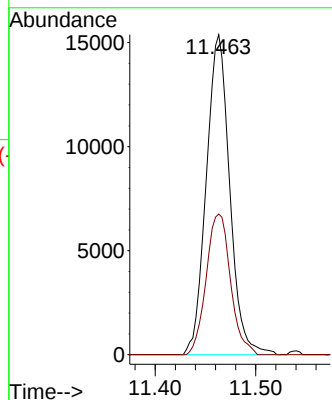
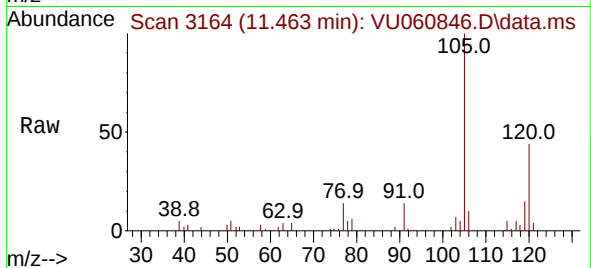
ClientSampleId :

Tgt Ion:105 Resp: 24924

Ion Ratio Lower Upper

105 100

120 45.6 36.1 54.1



#71

Naphthalene

Concen: 0.142 ug/L

RT: 14.113 min Scan# 3988

Delta R.T. 0.032 min

Lab File: VU060846.D

Acq: 17 Sep 2024 20:33

Tgt Ion:128 Resp: 2102

Ion Ratio Lower Upper

128 100

129 8.4 8.3 12.5

127 13.2 10.7 16.1

