

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050862.D
 Acq On : 21 Sep 2022 03:48
 Operator : JC/MD
 Sample : N4650-03 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYZ8

Quant Time: Sep 21 04:43:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 04:30:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	421557	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	406334	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	159763	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	191977	43.955	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.900%		
7) Chloroethane-d5	1.909	69	157578	50.659	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	101.320%		
11) 1,1-Dichloroethene-d2	2.565	63	234817	34.552	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	69.100%		
21) 2-Butanone-d5	4.623	46	324473	115.073	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	115.070%		
24) Chloroform-d	5.060	84	331306	48.404	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.800%		
26) 1,2-Dichloroethane-d4	5.700	65	216221	51.259	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.520%		
32) Benzene-d6	5.726	84	664060	49.617	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.240%		
36) 1,2-Dichloropropane-d6	6.690	67	232029	51.361	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	102.720%		
41) Toluene-d8	7.896	98	525173	44.890	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.780%		
43) trans-1,3-Dichloroprop...	8.179	79	88885	45.227	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.460%		
47) 2-Hexanone-d5	8.632	63	198740	106.751	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	106.750%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	339915	49.352	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.700%		
66) 1,2-Dichlorobenzene-d4	12.192	152	182148	54.453	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	108.900%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	14071	2.832	ug/L #	73
8) Chloroethane	1.928	64	241859	87.928	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	2155	0.625	ug/L #	21
12) 1,1-Dichloroethene	2.568	96	2179	0.672	ug/L #	1
19) 1,1-Dichloroethane	3.870	63	83200	12.396	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	20317	5.516	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	3526	0.652	ug/L	93
39) cis-1,3-Dichloropropene	7.562	75	4635	0.846	ug/L #	52
42) Toluene	7.970	91	59674	4.020	ug/L	98
44) trans-1,3-Dichloropropene	8.176	75	3972	0.763	ug/L	93
52) Ethylbenzene	9.568	91	57856	3.907	ug/L	99
53) m,p-Xylene	9.690	106	67142	12.195	ug/L	98
54) o-Xylene	10.099	106	40237	7.335	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	33092	3.526	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	151133	16.260	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	4358	0.788	ug/L	91

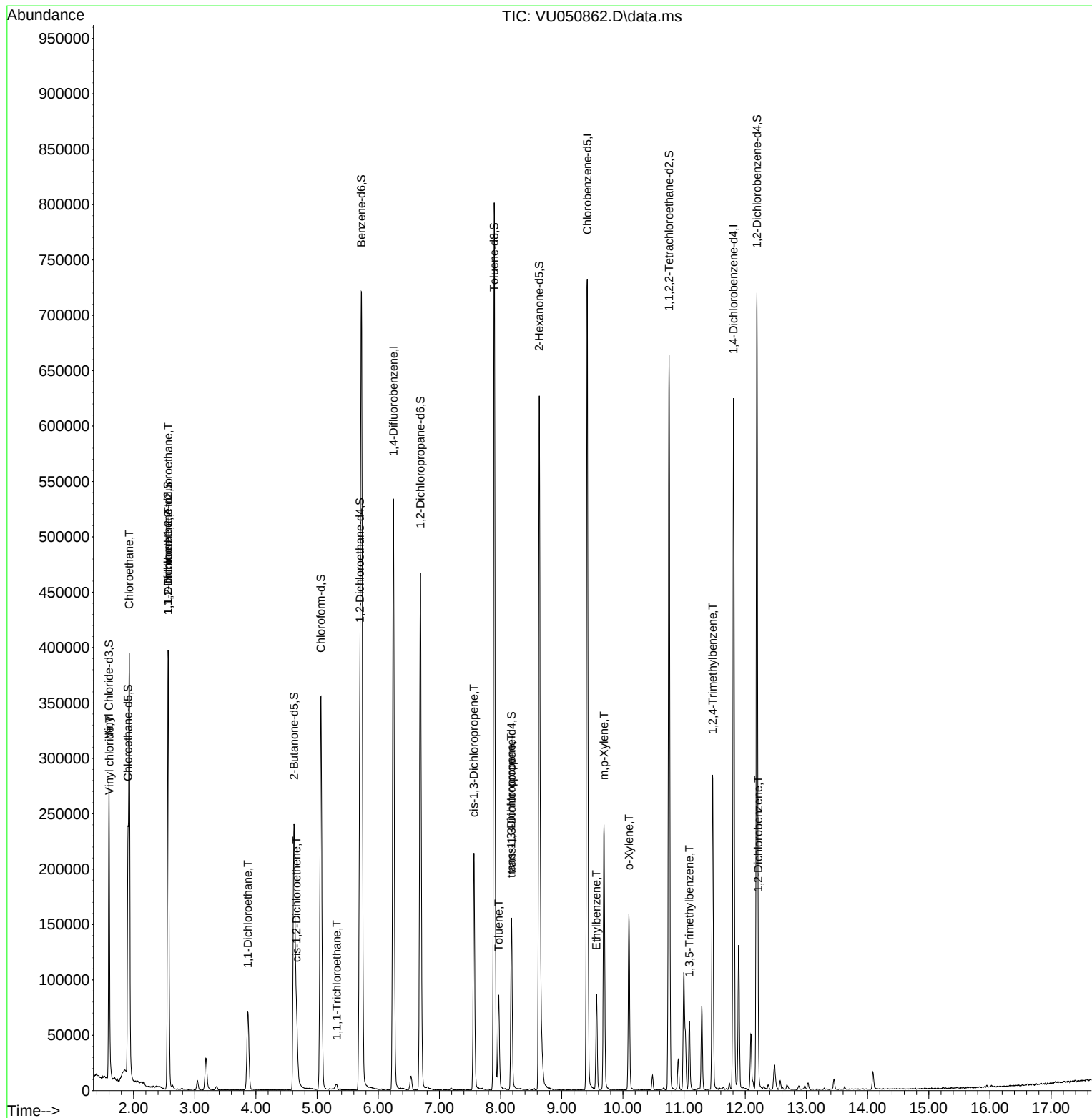
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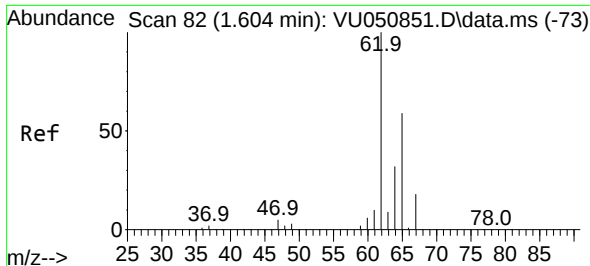
Instrument :
MSVOA_U
ClientSampleId :
XYZ8

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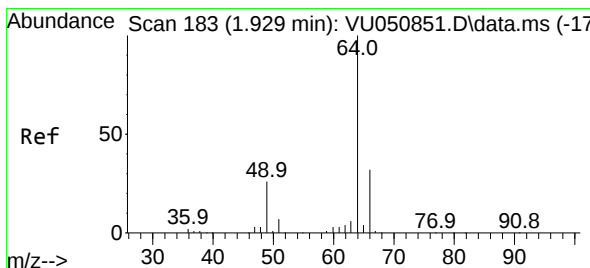
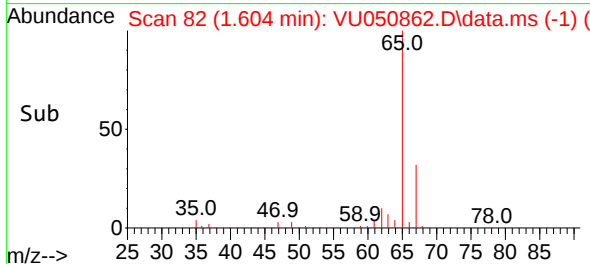
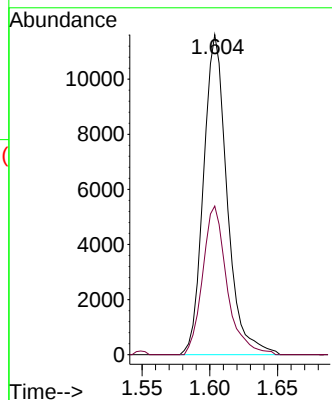
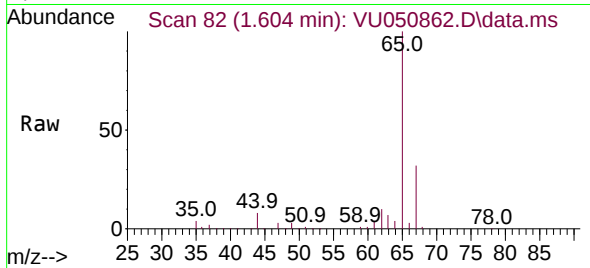




#5
 Vinyl chloride
 Concen: 2.832 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU050862.D
 Acq: 21 Sep 2022 03:48

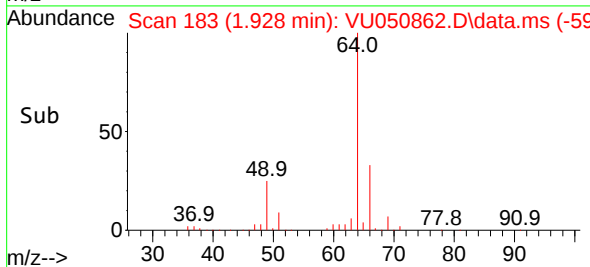
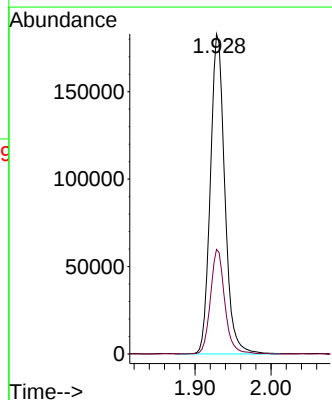
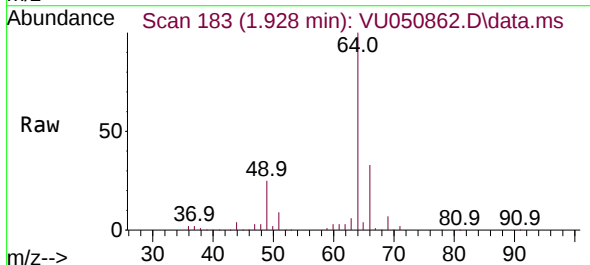
Instrument :
 MSVOA_U
 ClientSampleId :
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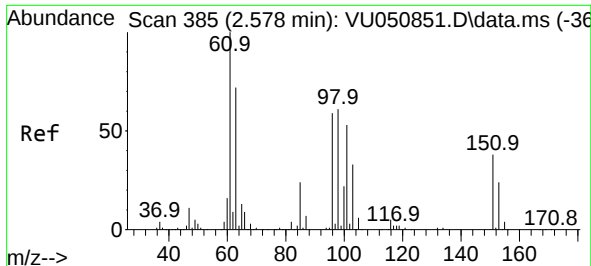
Tgt Ion: 62 Resp: 14071
 Ion Ratio Lower Upper
 62 100
 64 46.5 22.2 41.2#



#8
 Chloroethane
 Concen: 87.928 ug/L
 RT: 1.928 min Scan# 183
 Delta R.T. -0.000 min
 Lab File: VU050862.D
 Acq: 21 Sep 2022 03:48

Tgt Ion: 64 Resp: 241859
 Ion Ratio Lower Upper
 64 100
 66 32.7 22.9 42.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.625 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.010 min

Lab File: VU050862.D

Acq: 21 Sep 2022 03:48

Instrument :

MSVOA_U

ClientSampleId :

XYZ8

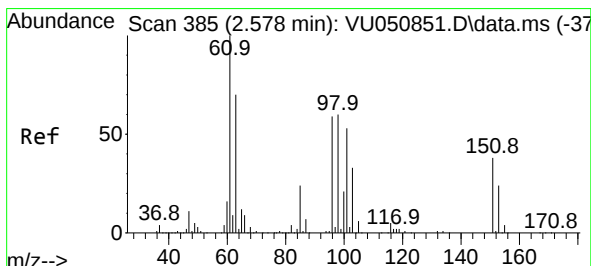
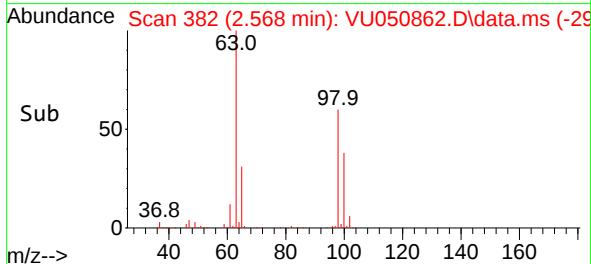
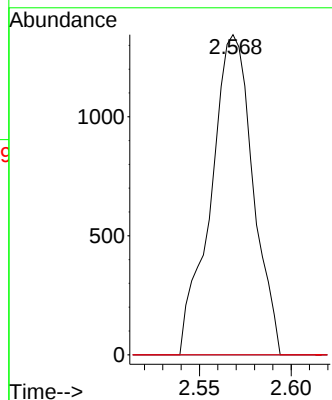
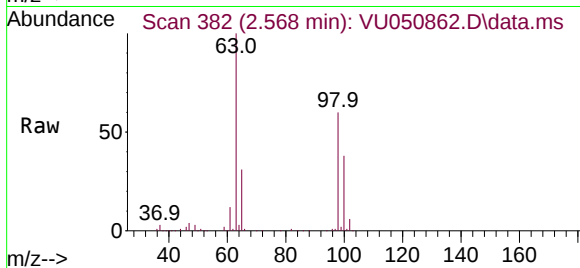
Tgt Ion:101 Resp: 2155

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 56.6 84.8#



#12

1,1-Dichloroethene

Concen: 0.672 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.010 min

Lab File: VU050862.D

Acq: 21 Sep 2022 03:48

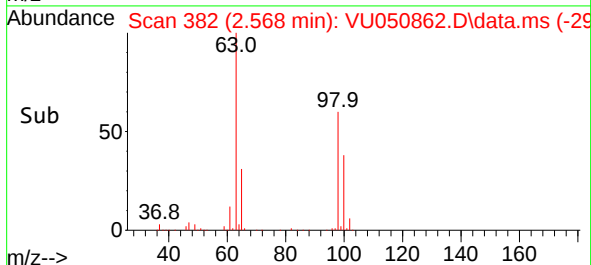
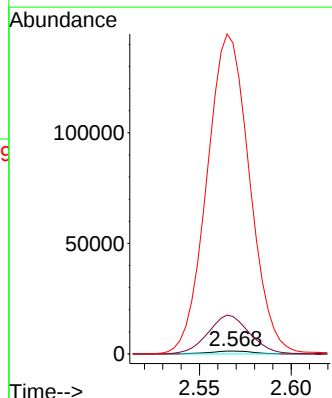
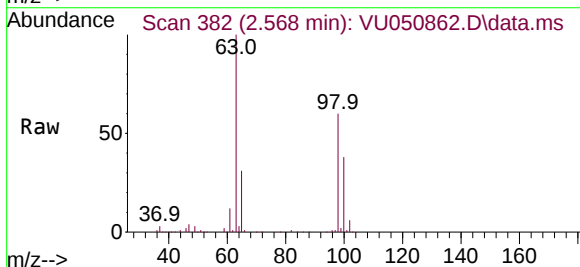
Tgt Ion: 96 Resp: 2179

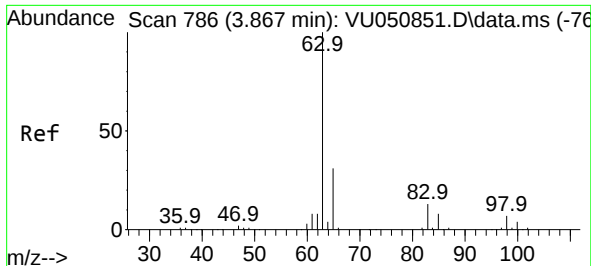
Ion Ratio Lower Upper

96 100

61 1268.2 118.6 220.2#

63 10508.8 90.4 168.0#





#19

1,1-Dichloroethane

Concen: 12.396 ug/L

RT: 3.870 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU050862.D

Acq: 21 Sep 2022 03:48

Instrument :

MSVOA_U

ClientSampleId :

XYZ8

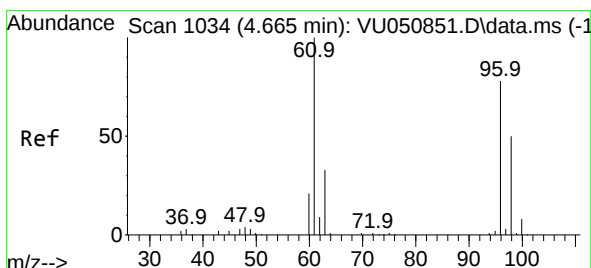
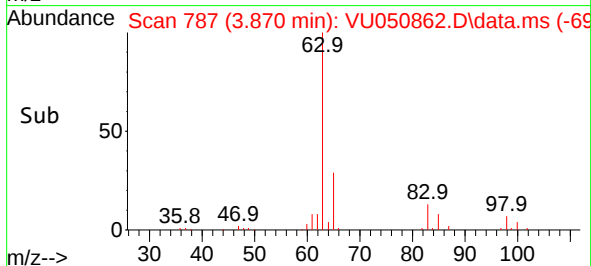
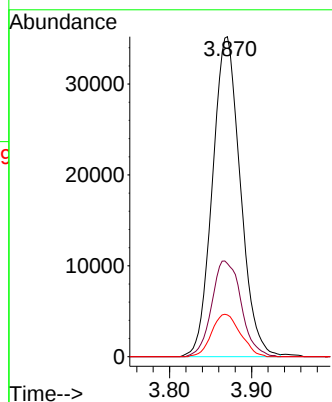
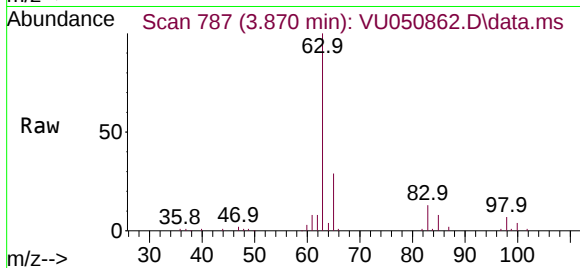
Tgt Ion: 63 Resp: 83200

Ion Ratio Lower Upper

63 100

65 29.1 21.5 39.9

83 13.1 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 5.516 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU050862.D

Acq: 21 Sep 2022 03:48

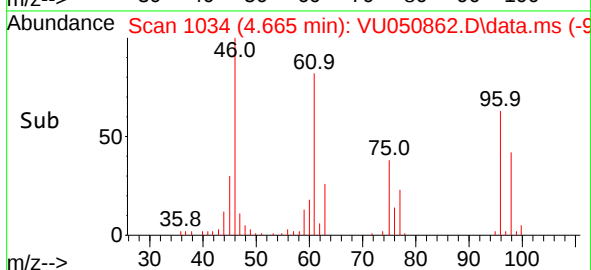
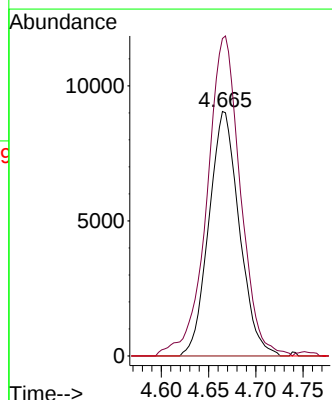
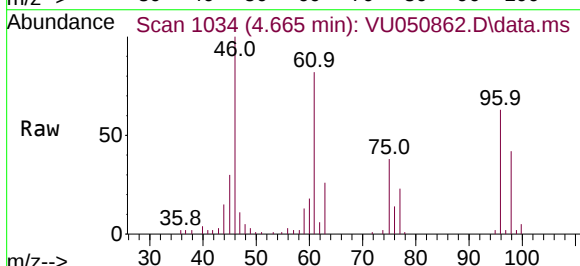
Tgt Ion: 96 Resp: 20317

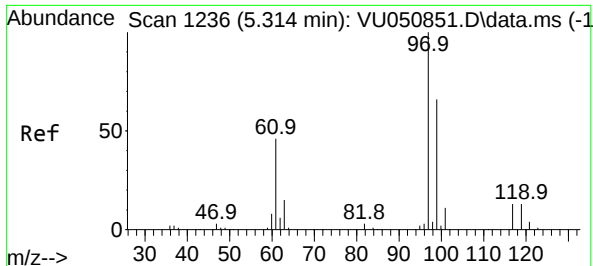
Ion Ratio Lower Upper

96 100

61 129.9 90.1 167.3

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 0.652 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU050862.D

Acq: 21 Sep 2022 03:48

Instrument :

MSVOA_U

ClientSampleId :

XYZ8

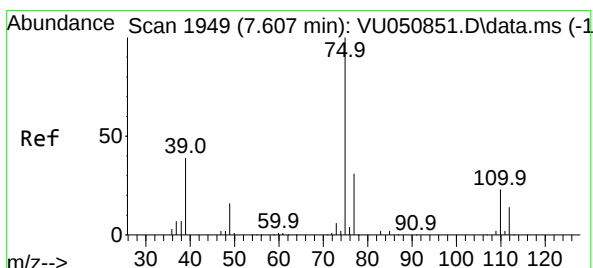
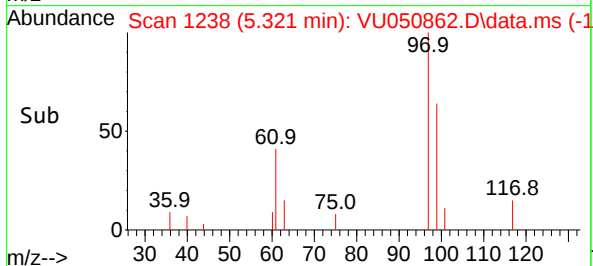
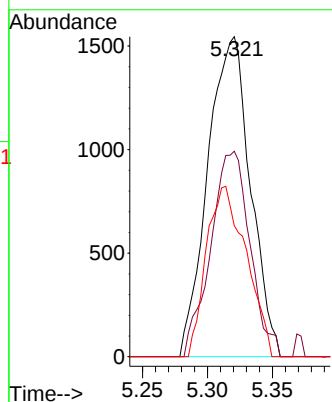
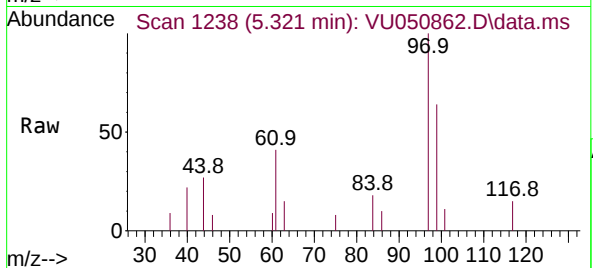
Tgt Ion: 97 Resp: 3526

Ion Ratio Lower Upper

97 100

99 58.7 52.2 78.2

61 49.7 37.1 55.7



#39

cis-1,3-Dichloropropene

Concen: 0.846 ug/L

RT: 7.562 min Scan# 1935

Delta R.T. -0.045 min

Lab File: VU050862.D

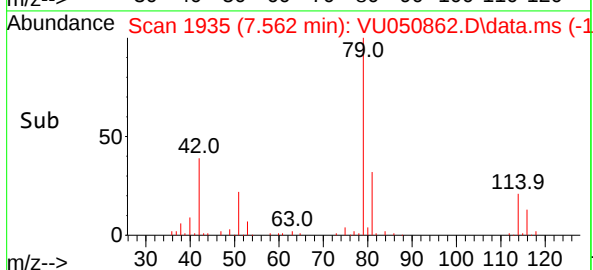
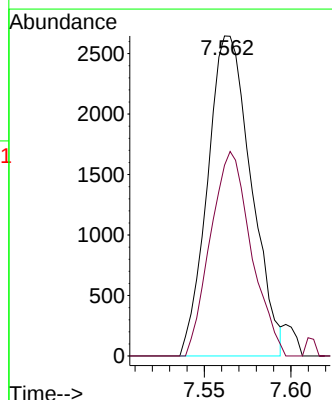
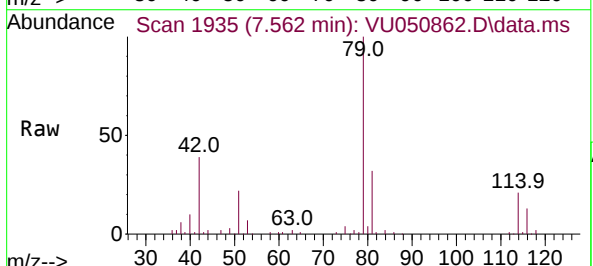
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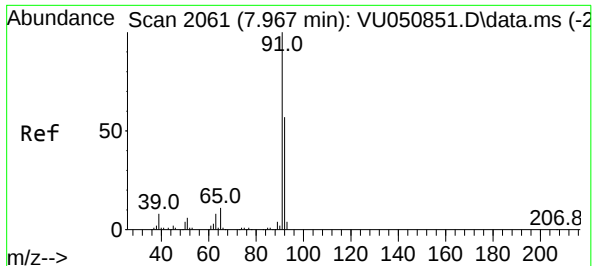
Tgt Ion: 75 Resp: 4635

Ion Ratio Lower Upper

75 100

77 59.6 22.8 42.4#

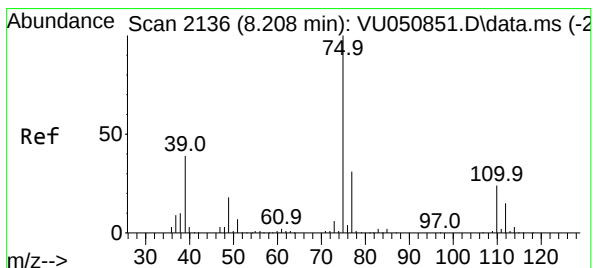
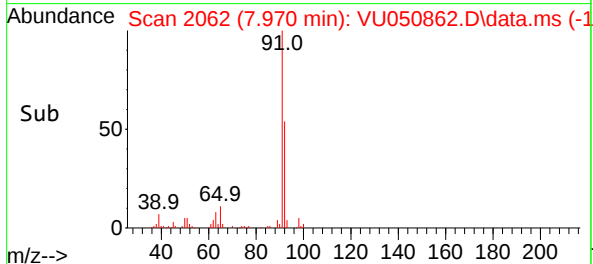
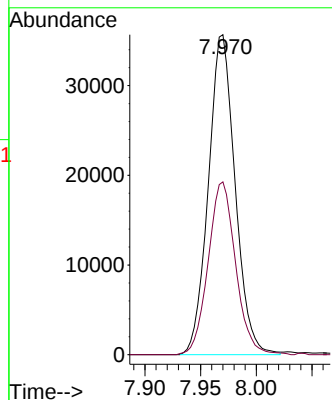
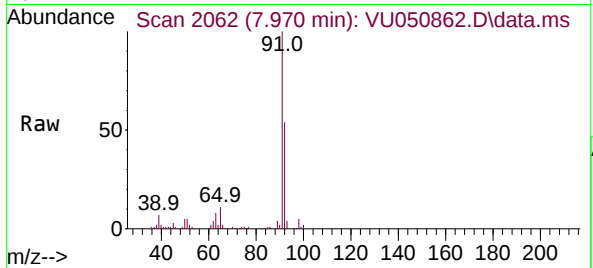




#42
Toluene
Concen: 4.020 ug/L
RT: 7.970 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VU050862.D
Acq: 21 Sep 2022 03:48

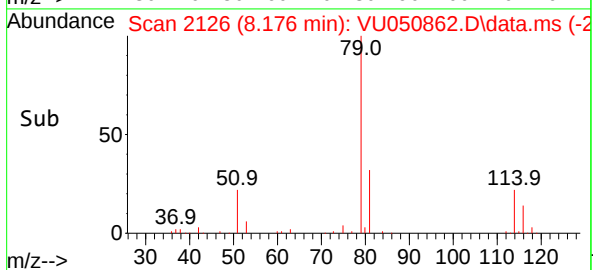
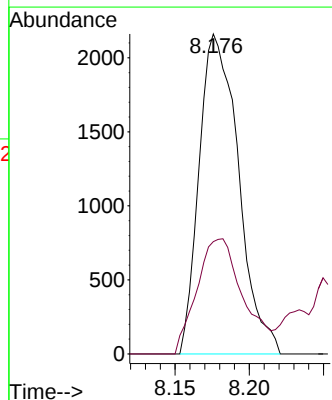
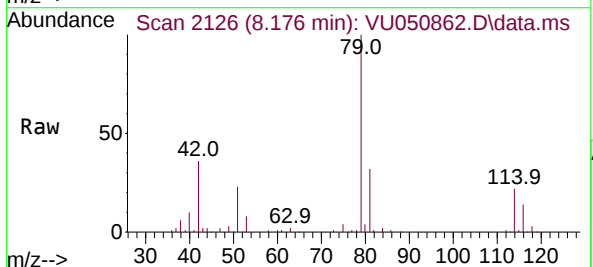
Instrument :
MSVOA_U
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XYZ8

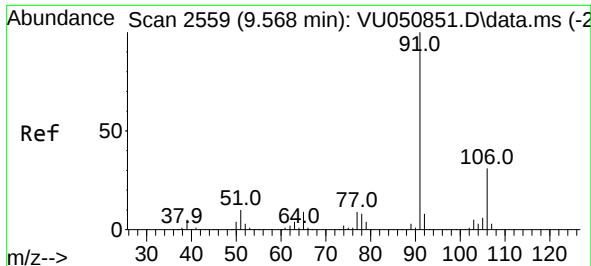
Tgt Ion: 91 Resp: 59674
Ion Ratio Lower Upper
91 100
92 54.0 39.1 72.5



#44
trans-1,3-Dichloropropene
Concen: 0.763 ug/L
RT: 8.176 min Scan# 2126
Delta R.T. -0.032 min
Lab File: VU050862.D
Acq: 21 Sep 2022 03:48

Tgt Ion: 75 Resp: 3972
Ion Ratio Lower Upper
75 100
77 35.1 21.9 40.7





#52

Ethylbenzene

Concen: 3.907 ug/L

RT: 9.568 min Scan# 2559

Delta R.T. -0.000 min

Lab File: VU050862.D

Acq: 21 Sep 2022 03:48

Instrument :

MSVOA_U

ClientSampleId :

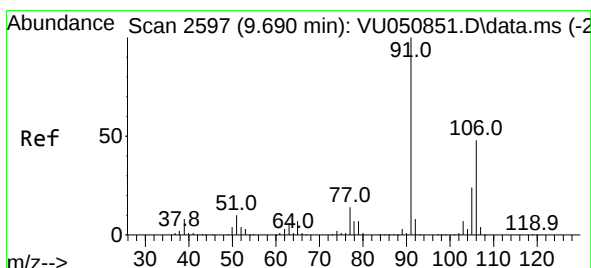
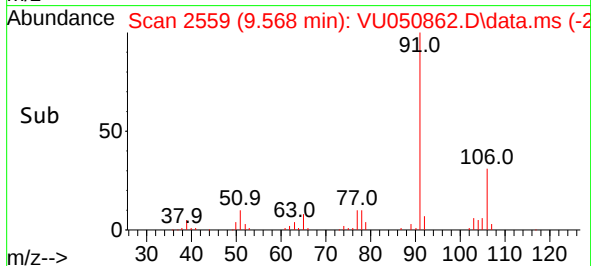
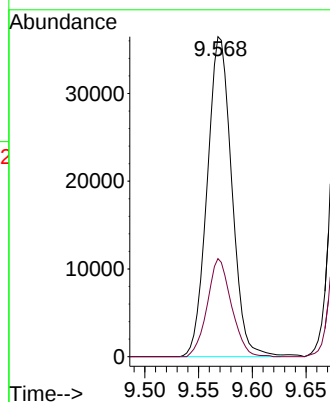
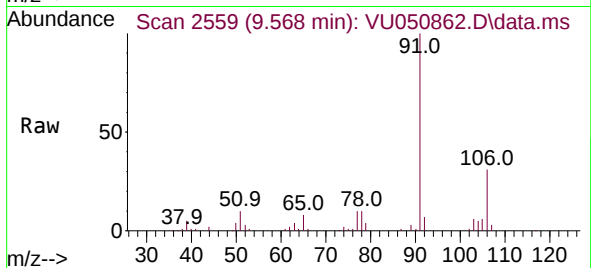
XYZ8

Tgt Ion: 91 Resp: 57856

Ion Ratio Lower Upper

91 100

106 30.7 21.0 39.0



#53

m,p-Xylene

Concen: 12.195 ug/L

RT: 9.690 min Scan# 2597

Delta R.T. -0.000 min

Lab File: VU050862.D

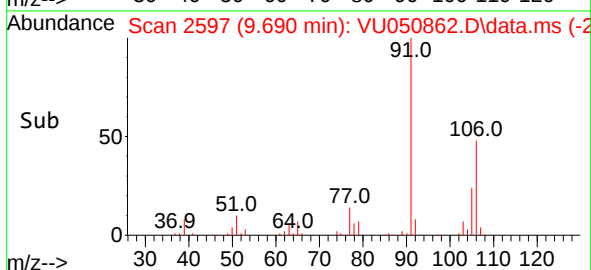
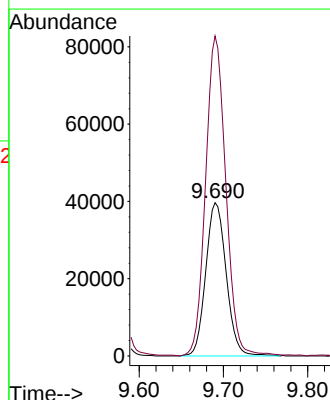
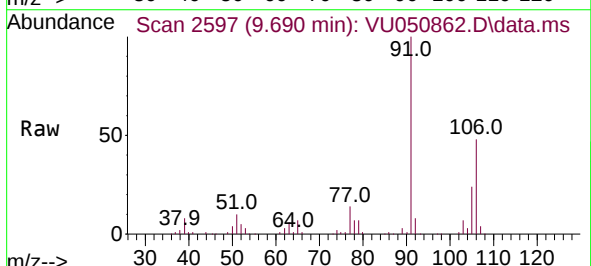
Acq: 21 Sep 2022 03:48

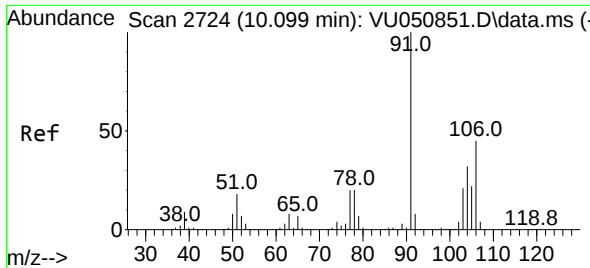
Tgt Ion: 106 Resp: 67142

Ion Ratio Lower Upper

106 100

91 208.7 144.0 267.4

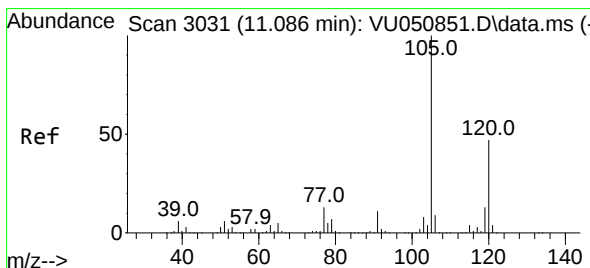
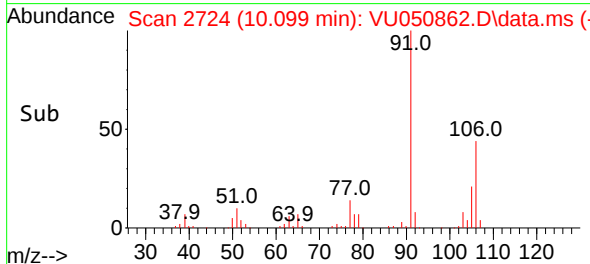
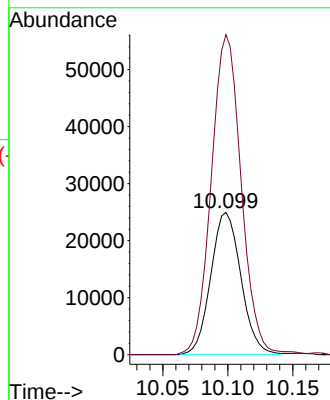
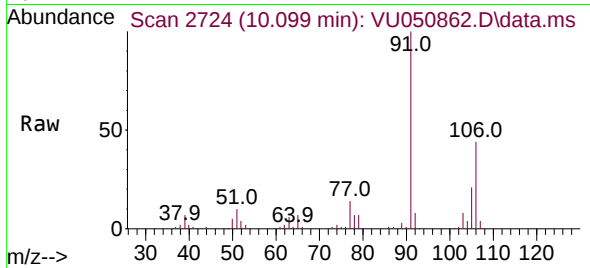




#54
o-Xylene
Concen: 7.335 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU050862.D
Acq: 21 Sep 2022 03:48

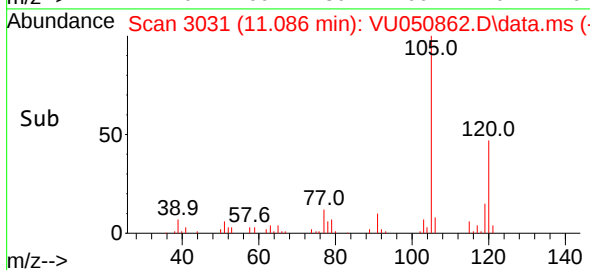
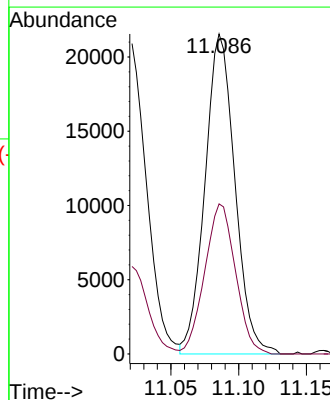
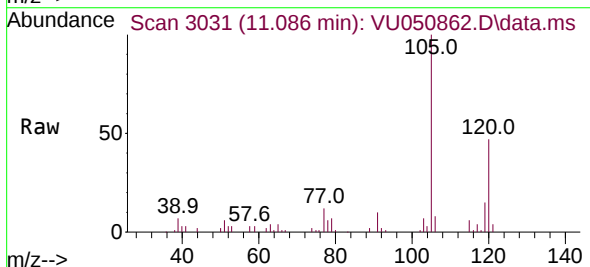
Instrument :
MSVOA_U
ClientSampleId :
XYZ8

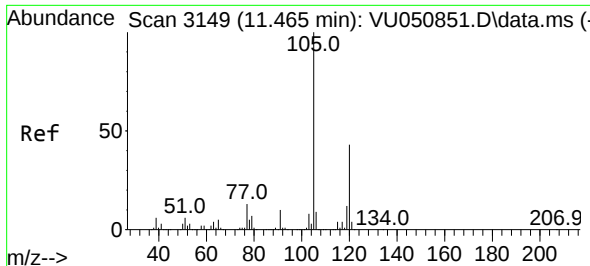
Tgt Ion:106 Resp: 40237
Ion Ratio Lower Upper
106 100
91 225.0 154.6 287.0



#62
1,3,5-Trimethylbenzene
Concen: 3.526 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU050862.D
Acq: 21 Sep 2022 03:48

Tgt Ion:105 Resp: 33092
Ion Ratio Lower Upper
105 100
120 48.2 37.9 56.9

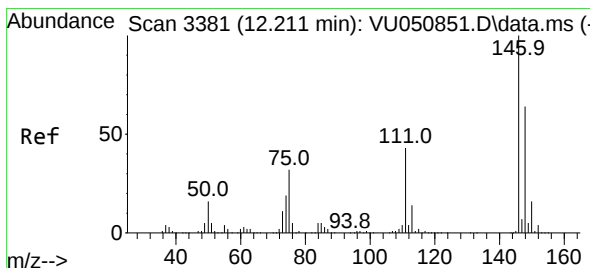
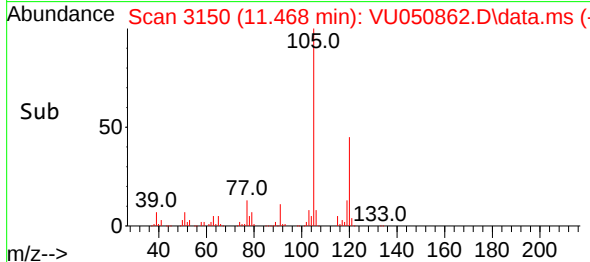
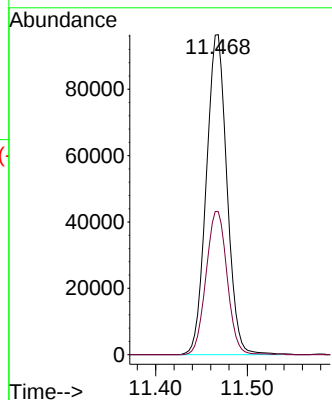
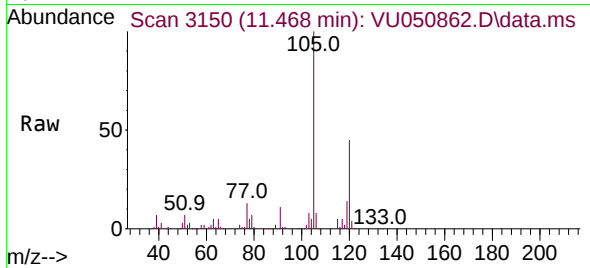




#63
1,2,4-Trimethylbenzene
Concen: 16.260 ug/L
RT: 11.468 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU050862.D
Acq: 21 Sep 2022 03:48

Instrument :
MSVOA_U
ClientSampleId :
XYZ8

Tgt Ion:105 Resp: 151133
Ion Ratio Lower Upper
105 100
120 45.7 34.9 52.3



#67
1,2-Dichlorobenzene
Concen: 0.788 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU050862.D
Acq: 21 Sep 2022 03:48

Tgt Ion:146 Resp: 4358
Ion Ratio Lower Upper
146 100
111 52.6 35.2 52.8
148 70.4 52.0 78.0

