

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050861.D
 Acq On : 21 Sep 2022 03:25
 Operator : JC/MD
 Sample : N4650-02 25X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYZ7

Quant Time: Sep 21 04:43:12 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	425373	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	416463	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	182432	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	189121	42.912	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	85.820%	
7) Chloroethane-d5	1.909	69	156332	49.807	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	99.620%	
11) 1,1-Dichloroethene-d2	2.565	63	231299	33.729	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	67.460%	
21) 2-Butanone-d5	4.623	46	314824	110.649	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	110.650%	
24) Chloroform-d	5.063	84	326721	47.306	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	94.620%	
26) 1,2-Dichloroethane-d4	5.700	65	210709	49.505	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	99.000%	
32) Benzene-d6	5.726	84	657566	47.936	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	95.880%	
36) 1,2-Dichloropropane-d6	6.690	67	224440	48.473	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	96.940%	
41) Toluene-d8	7.896	98	525621	43.836	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	87.680%	
43) trans-1,3-Dichloroprop...	8.179	79	85269	42.332	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	84.660%	
47) 2-Hexanone-d5	8.632	63	187537	98.283	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	98.280%	
56) 1,1,2,2-Tetrachloroeth...	10.755	84	330934	46.879	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	93.760%	
66) 1,2-Dichlorobenzene-d4	12.192	152	191683	50.183	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	100.360%	
Target Compounds						
5) Vinyl chloride	1.604	62	158317	31.581	ug/L	98
8) Chloroethane	1.929	64	89779	32.346	ug/L	98
12) 1,1-Dichloroethene	2.578	96	3078	0.941	ug/L #	1
16) Methylene chloride	3.047	84	5388	1.187	ug/L	97
17) trans-1,2-Dichloroethene	3.356	96	4667	1.392	ug/L	98
19) 1,1-Dichloroethane	3.867	63	393640	58.123	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	182102	49.000	ug/L	99
27) 1,2-Dichloroethane	5.800	62	3158	0.616	ug/L	96
30) 1,1,1-Trichloroethane	5.314	97	39150	7.066	ug/L	100
42) Toluene	7.967	91	46430	3.052	ug/L	99
52) Ethylbenzene	9.568	91	119004	7.840	ug/L	99
53) m,p-Xylene	9.690	106	104167	18.459	ug/L	98
54) o-Xylene	10.099	106	54732	9.734	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	68057	6.350	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	370944	34.950	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	4530	0.718	ug/L #	83

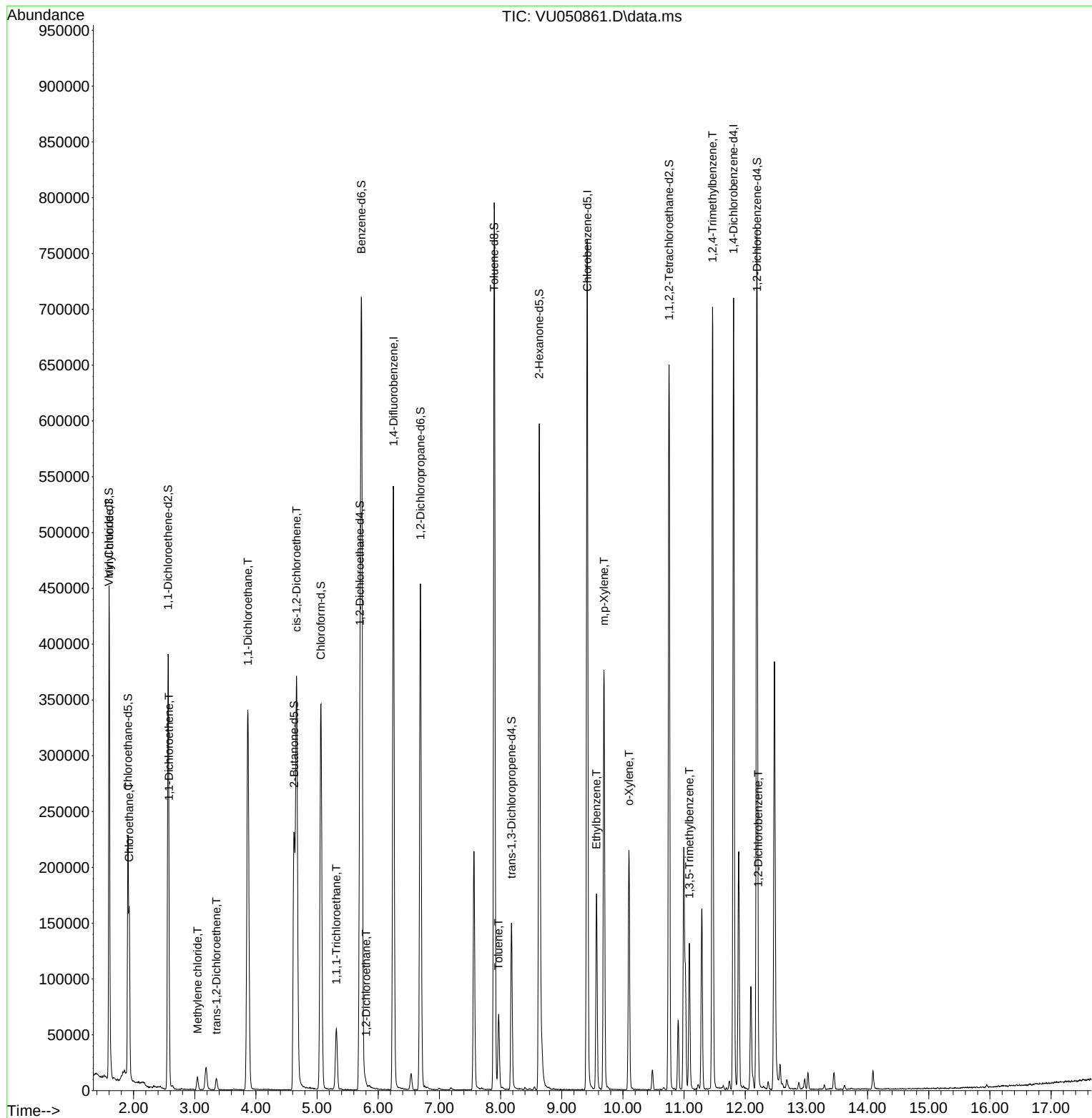
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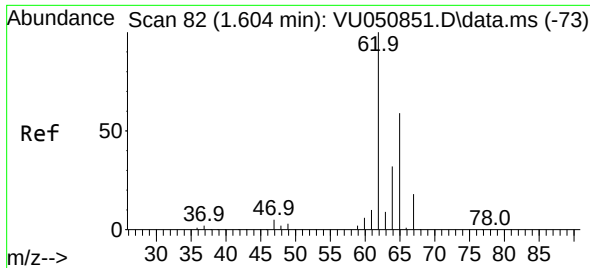
Instrument :
MSVOA_U
ClientSampleId :
XYZ7

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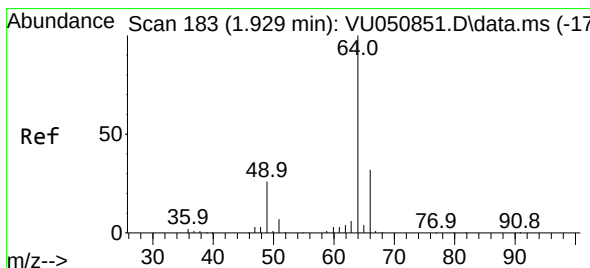
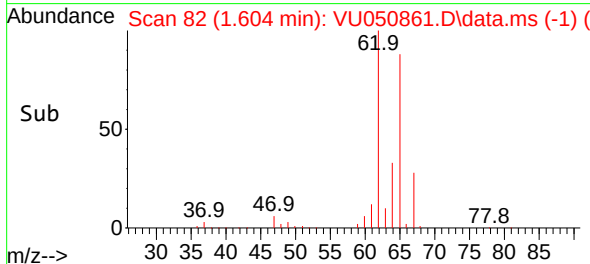
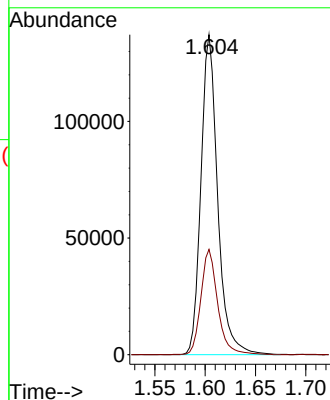
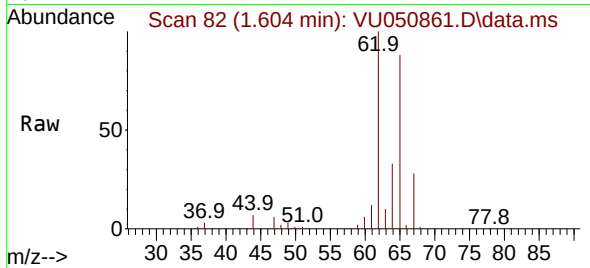




#5
 Vinyl chloride
 Concen: 31.581 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU050861.D
 Acq: 21 Sep 2022 03:25

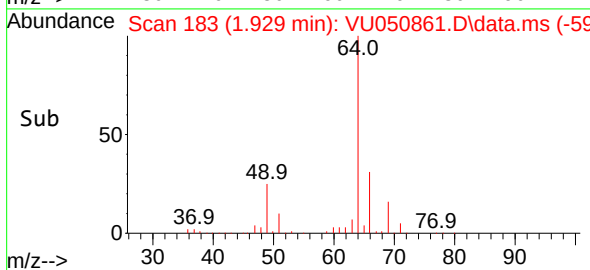
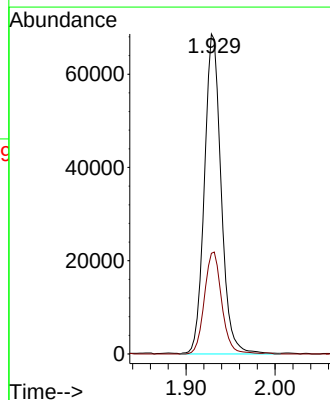
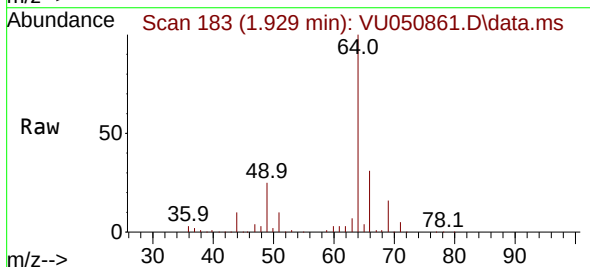
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYZ7

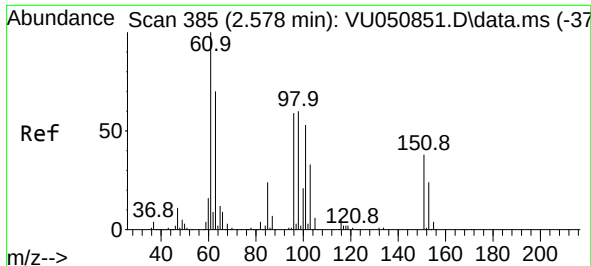
Tgt Ion: 62 Resp: 158317
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.2 41.2



#8
 Chloroethane
 Concen: 32.346 ug/L
 RT: 1.929 min Scan# 183
 Delta R.T. 0.000 min
 Lab File: VU050861.D
 Acq: 21 Sep 2022 03:25

Tgt Ion: 64 Resp: 89779
 Ion Ratio Lower Upper
 64 100
 66 31.4 22.9 42.5





#12

1,1-Dichloroethene

Concen: 0.941 ug/L

RT: 2.578 min Scan# 30

Delta R.T. 0.000 min

Lab File: VU050861.D

Acq: 21 Sep 2022 03:25

Instrument :

MSVOA_U

ClientSampleId :

XYZ7

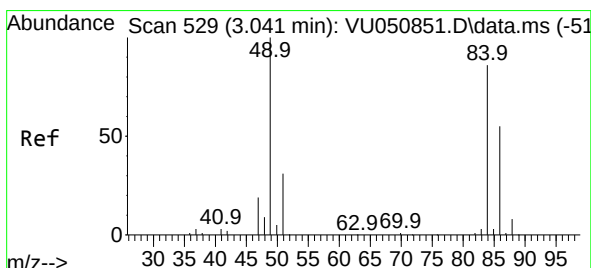
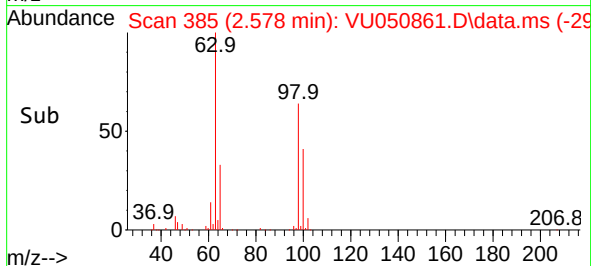
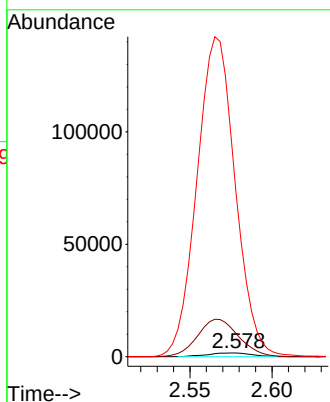
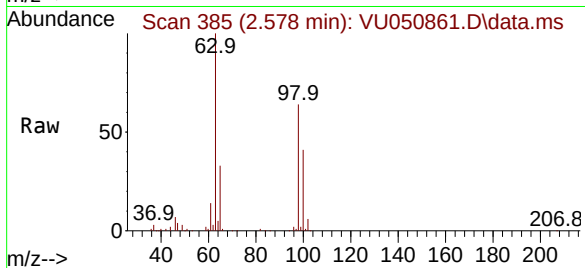
Tgt Ion: 96 Resp: 3078

Ion Ratio Lower Upper

96 100

61 628.1 118.6 220.2#

63 4464.9 90.4 168.0#



#16

Methylene chloride

Concen: 1.187 ug/L

RT: 3.047 min Scan# 531

Delta R.T. 0.006 min

Lab File: VU050861.D

Acq: 21 Sep 2022 03:25

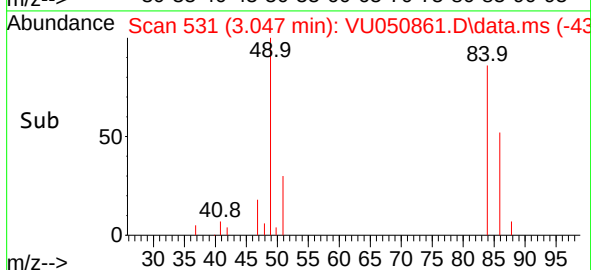
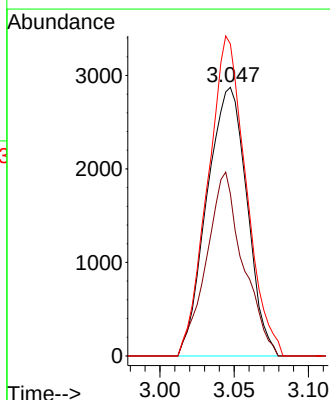
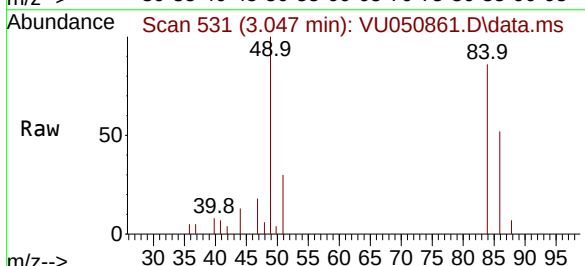
Tgt Ion: 84 Resp: 5388

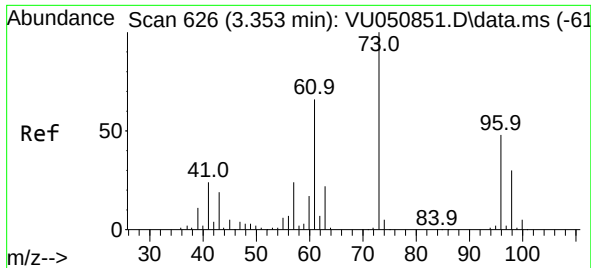
Ion Ratio Lower Upper

84 100

86 60.4 44.4 82.5

49 116.2 83.3 154.7

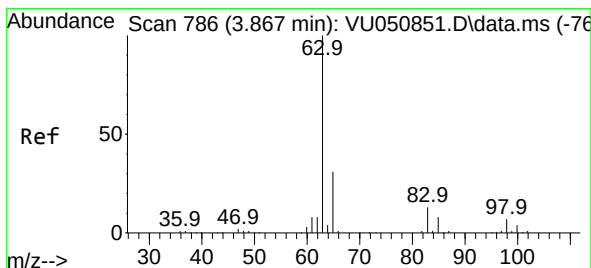
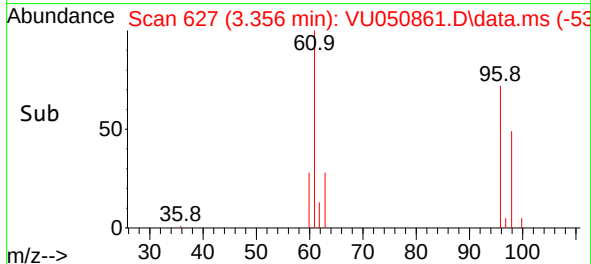
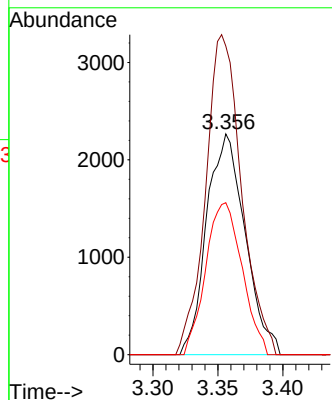
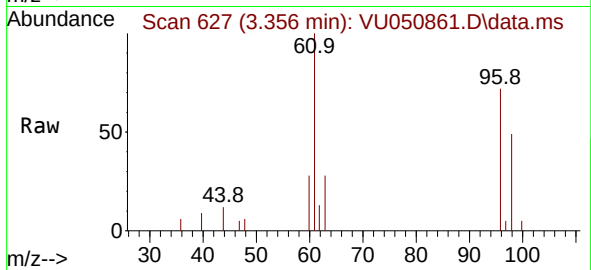




#17
trans-1,2-Dichloroethene
Concen: 1.392 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

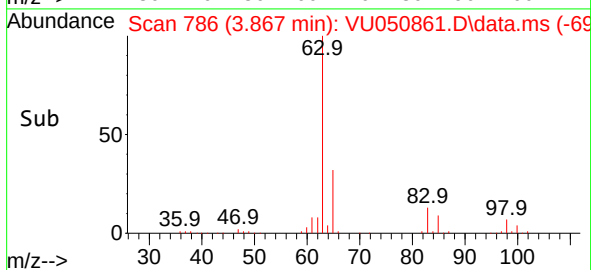
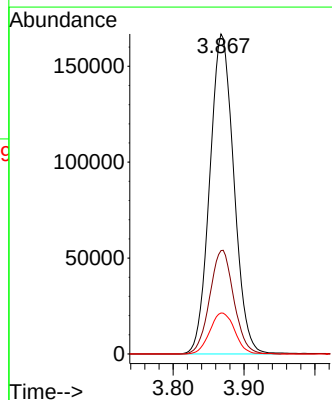
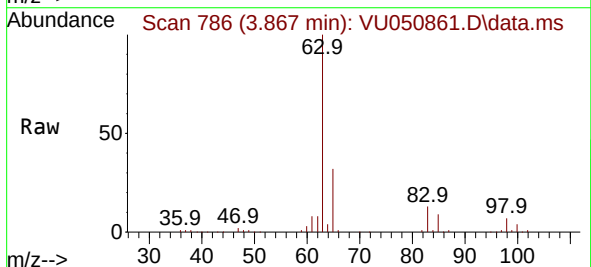
Instrument :
MSVOA_U
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EXYZ7

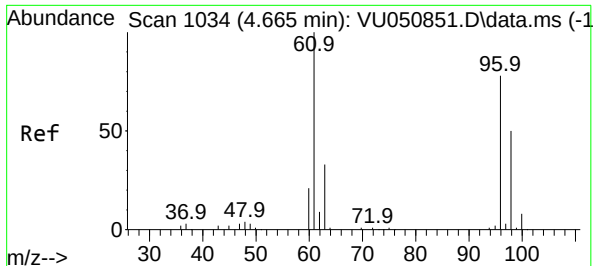
Tgt Ion: 96 Resp: 4667
Ion Ratio Lower Upper
96 100
61 139.7 98.0 182.0
98 68.9 44.3 82.3



#19
1,1-Dichloroethane
Concen: 58.123 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

Tgt Ion: 63 Resp: 393640
Ion Ratio Lower Upper
63 100
65 32.3 21.5 39.9
83 12.8 9.3 17.3





#20

cis-1,2-Dichloroethene

Concen: 49.000 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050861.D

Acq: 21 Sep 2022 03:25

Instrument :

MSVOA_U

ClientSampleId :

XYZ7

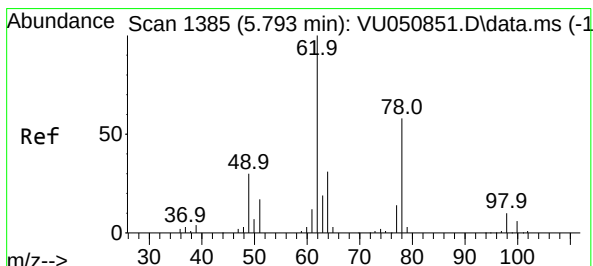
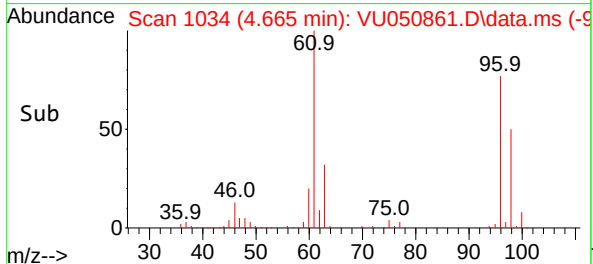
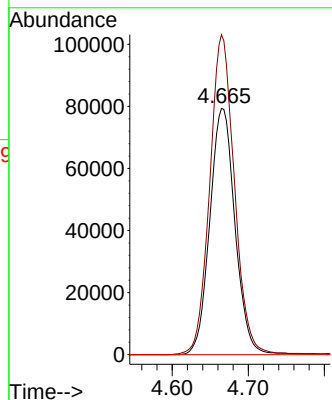
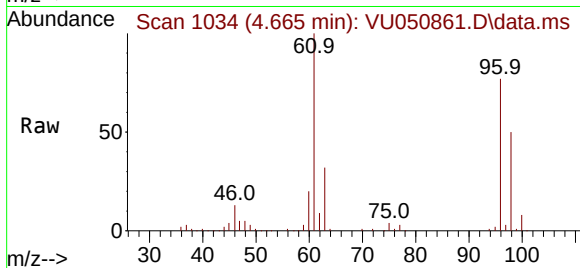
Tgt Ion: 96 Resp: 182102

Ion Ratio Lower Upper

96 100

61 129.9 90.1 167.3

68 0.0 0.0 0.0



#27

1,2-Dichloroethane

Concen: 0.616 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.006 min

Lab File: VU050861.D

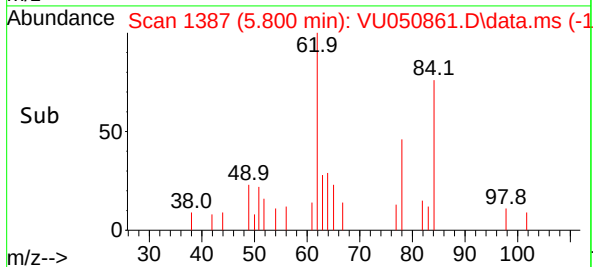
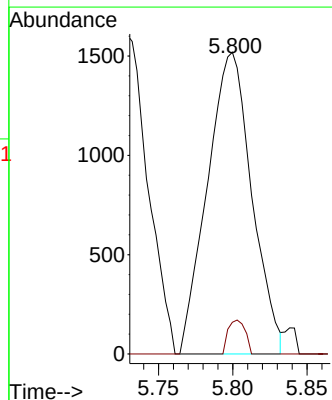
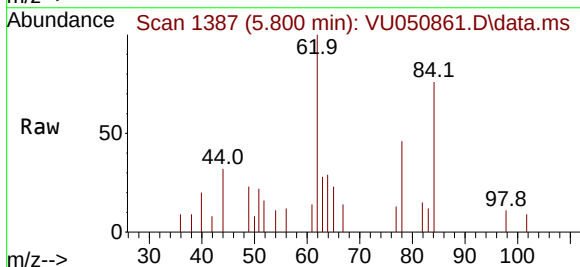
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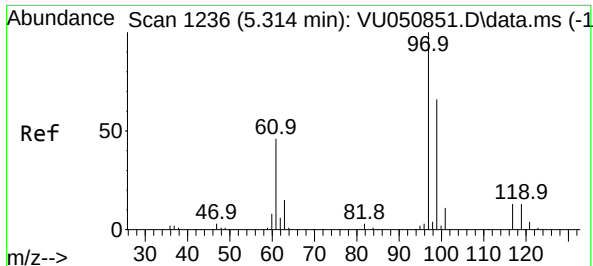
Tgt Ion: 62 Resp: 3158

Ion Ratio Lower Upper

62 100

98 10.5 7.4 11.0





#30

1,1,1-Trichloroethane

Concen: 7.066 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050861.D

Acq: 21 Sep 2022 03:25

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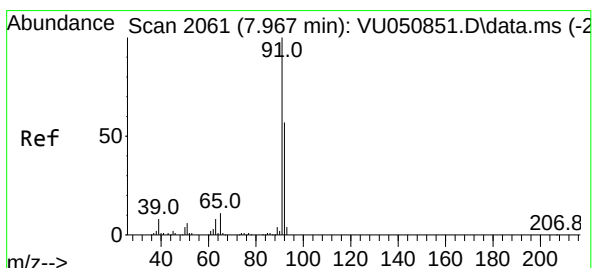
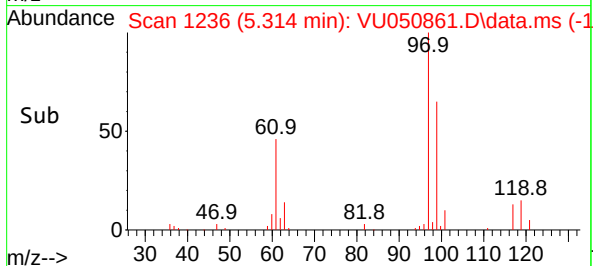
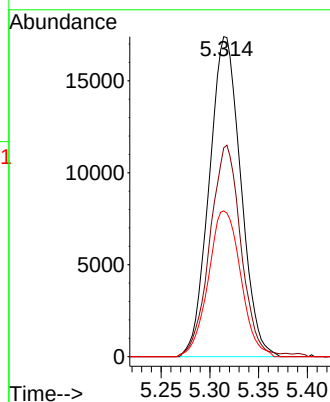
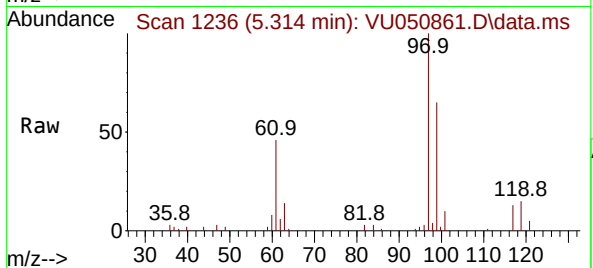
Tgt Ion: 97 Resp: 39150

Ion Ratio Lower Upper

97 100

99 65.0 52.2 78.2

61 46.8 37.1 55.7



#42

Toluene

Concen: 3.052 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU050861.D

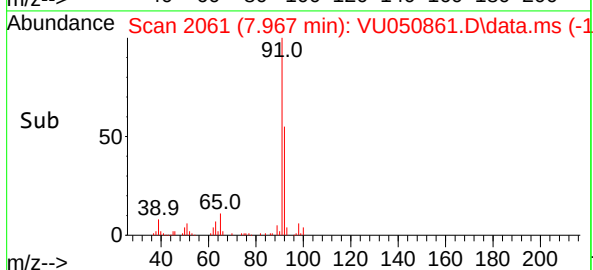
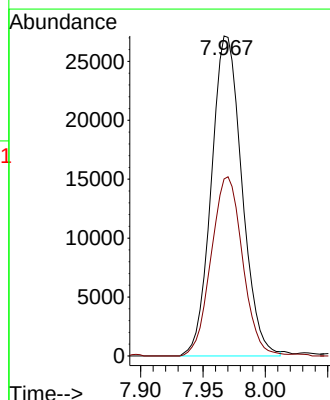
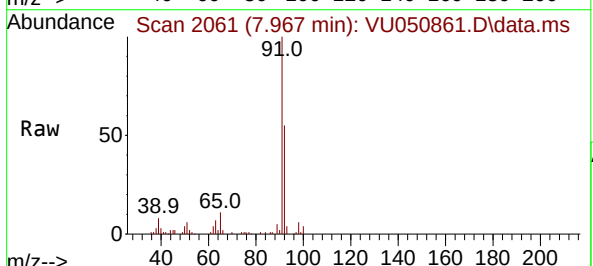
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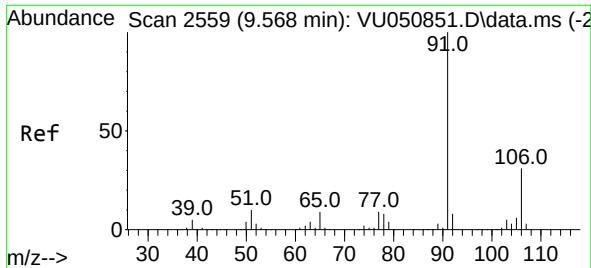
Tgt Ion: 91 Resp: 46430

Ion Ratio Lower Upper

91 100

92 55.3 39.1 72.5

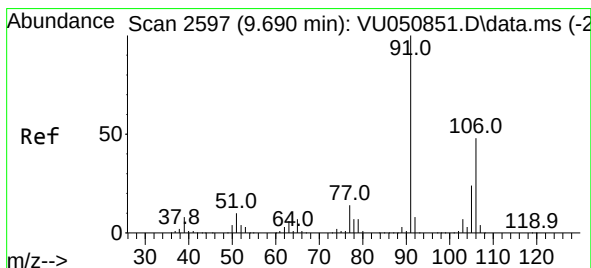
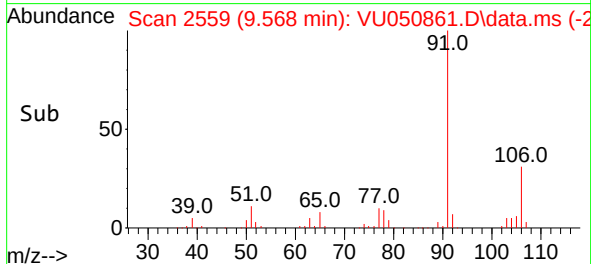
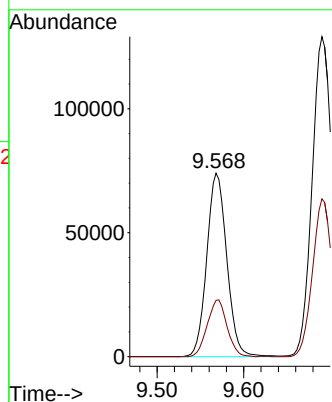
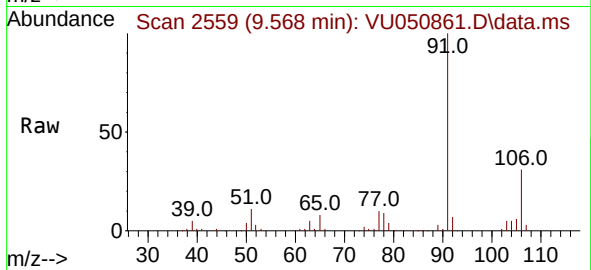




#52
Ethylbenzene
Concen: 7.840 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

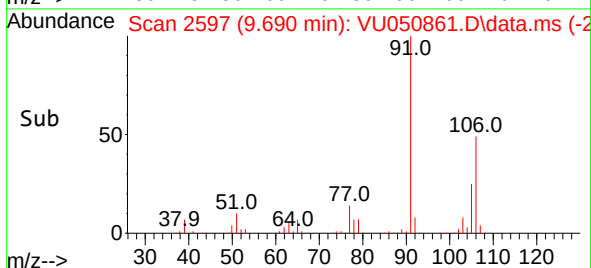
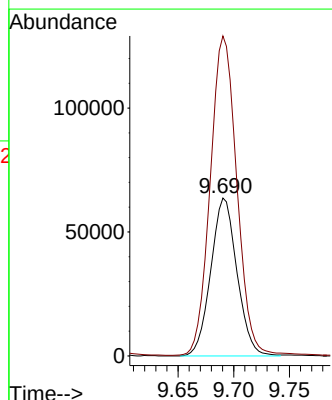
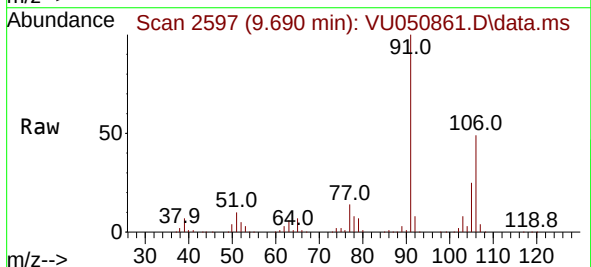
Instrument :
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XYZ7

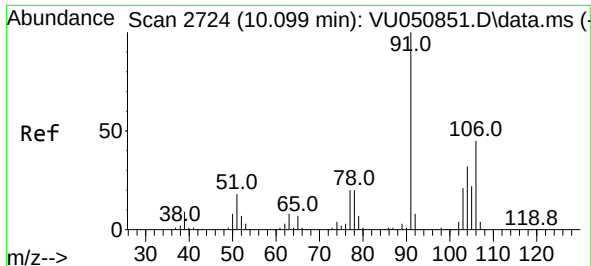
Tgt Ion: 91 Resp: 119004
Ion Ratio Lower Upper
91 100
106 30.7 21.0 39.0



#53
m,p-Xylene
Concen: 18.459 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

Tgt Ion:106 Resp: 104167
Ion Ratio Lower Upper
106 100
91 202.6 144.0 267.4

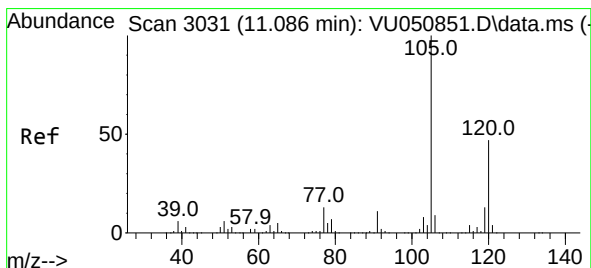
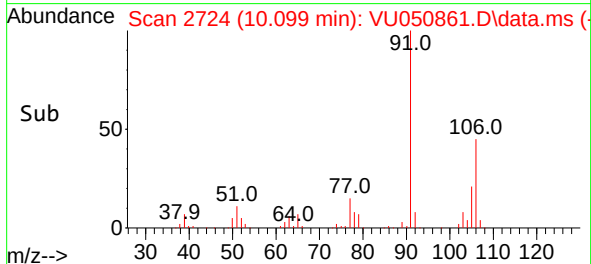
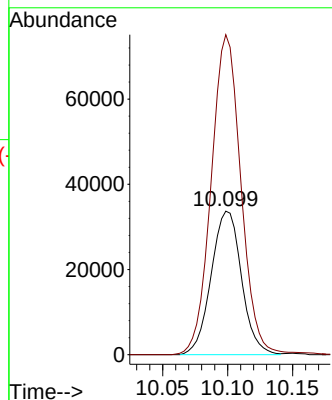
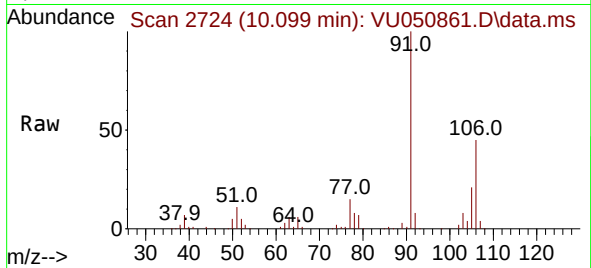




#54
o-Xylene
Concen: 9.734 ug/L
RT: 10.099 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

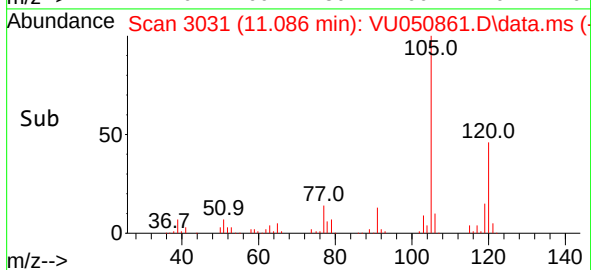
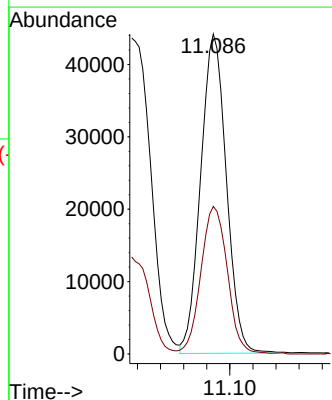
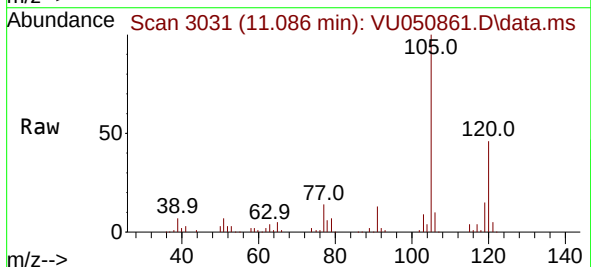
Instrument :
MSVOA_U
ClientSampleId :
EXYZ7

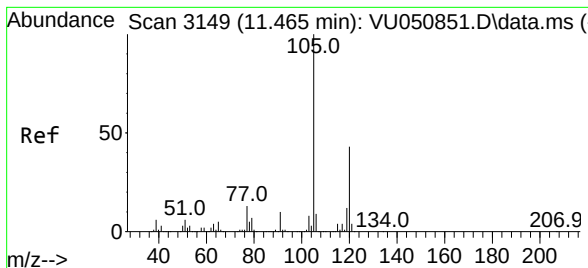
Tgt Ion:106 Resp: 54732
Ion Ratio Lower Upper
106 100
91 222.9 154.6 287.0



#62
1,3,5-Trimethylbenzene
Concen: 6.350 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

Tgt Ion:105 Resp: 68057
Ion Ratio Lower Upper
105 100
120 47.7 37.9 56.9





#63

1,2,4-Trimethylbenzene

Concen: 34.950 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU050861.D

Acq: 21 Sep 2022 03:25

Instrument :

MSVOA_U

ClientSampleId :

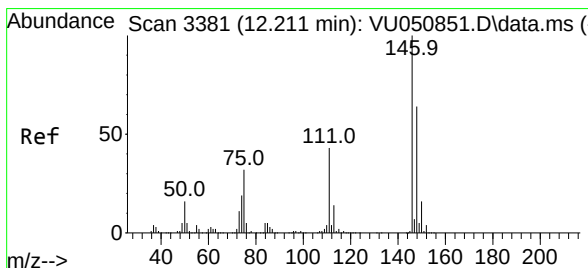
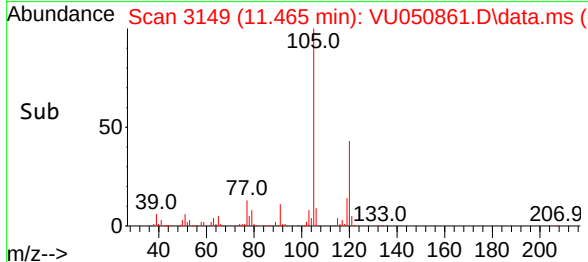
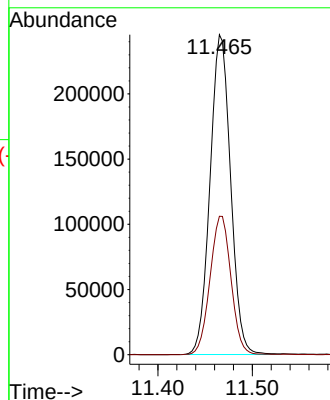
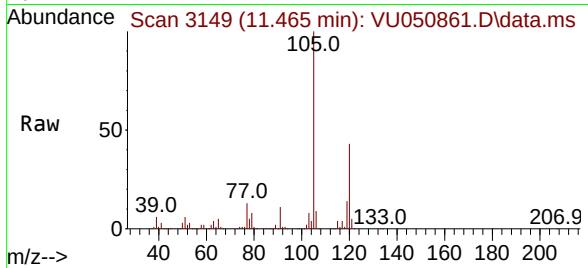
XYZ7

Tgt Ion:105 Resp: 370944

Ion Ratio Lower Upper

105 100

120 44.1 34.9 52.3



#67

1,2-Dichlorobenzene

Concen: 0.718 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU050861.D

Acq: 21 Sep 2022 03:25

Tgt Ion:146 Resp: 4530

Ion Ratio Lower Upper

146 100

111 59.9 35.2 52.8#

148 74.0 52.0 78.0

