

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091924\
 Data File : VU060931.D
 Acq On : 20 Sep 2024 07:04
 Operator : MD/SY
 Sample : P4092-09 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B36

Quant Time: Sep 20 07:30:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 20 01:34:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	135980	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	140088	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	75053	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	31754	2.596	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	52.000%
7) Chloroethane-d5	1.911	69	30011	3.446	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.000%
11) 1,1-Dichloroethene-d2	2.557	65	13217	3.049	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.000%
20) 2-Butanone-d5	4.637	46	90815	46.253	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.500%
24) Chloroform-d	5.055	84	76095	4.070	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
26) 1,2-Dichloroethane-d4	5.692	65	39629	4.434	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
32) Benzene-d6	5.718	84	137755	3.669	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.400%
36) 1,2-Dichloropropane-d6	6.682	67	46556	4.008	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.200%
41) Toluene-d8	7.891	98	117957	3.446	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.000%#
43) trans-1,3-Dichloroprop...	8.177	79	15861	3.793	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.800%
46) 2-Hexanone-d5	8.634	63	80524	48.816	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.640%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	44617	4.902	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	59119	4.688	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.800%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	31538	2.687	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	2210	0.236	ug/L	95
12) 1,1-Dichloroethene	2.570	96	8654	1.012	ug/L #	43
16) Methylene chloride	3.036	84	48039	4.850	ug/L	85
19) 1,1-Dichloroethane	3.866	63	3919	0.220	ug/L #	81
22) cis-1,2-Dichloroethene	4.657	96	121860	12.423	ug/L	95
29) 1,1,1-Trichloroethane	5.303	97	11777	0.779	ug/L	96
34) Trichloroethene	6.531	95	622426	61.640	ug/L	93
42) Toluene	7.965	91	13208	0.328	ug/L	96
47) Tetrachloroethene	8.544	164	74261	9.254	ug/L	97
52) Ethylbenzene	9.563	91	56810	1.340	ug/L	98
53) m,p-Xylene	9.685	106	96800	6.021	ug/L	95
54) o-Xylene	10.094	106	63092	3.977	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	31785	0.919	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	85646	2.508	ug/L	95
67) 1,2-Dichlorobenzene	12.206	146	11161	0.528	ug/L	95

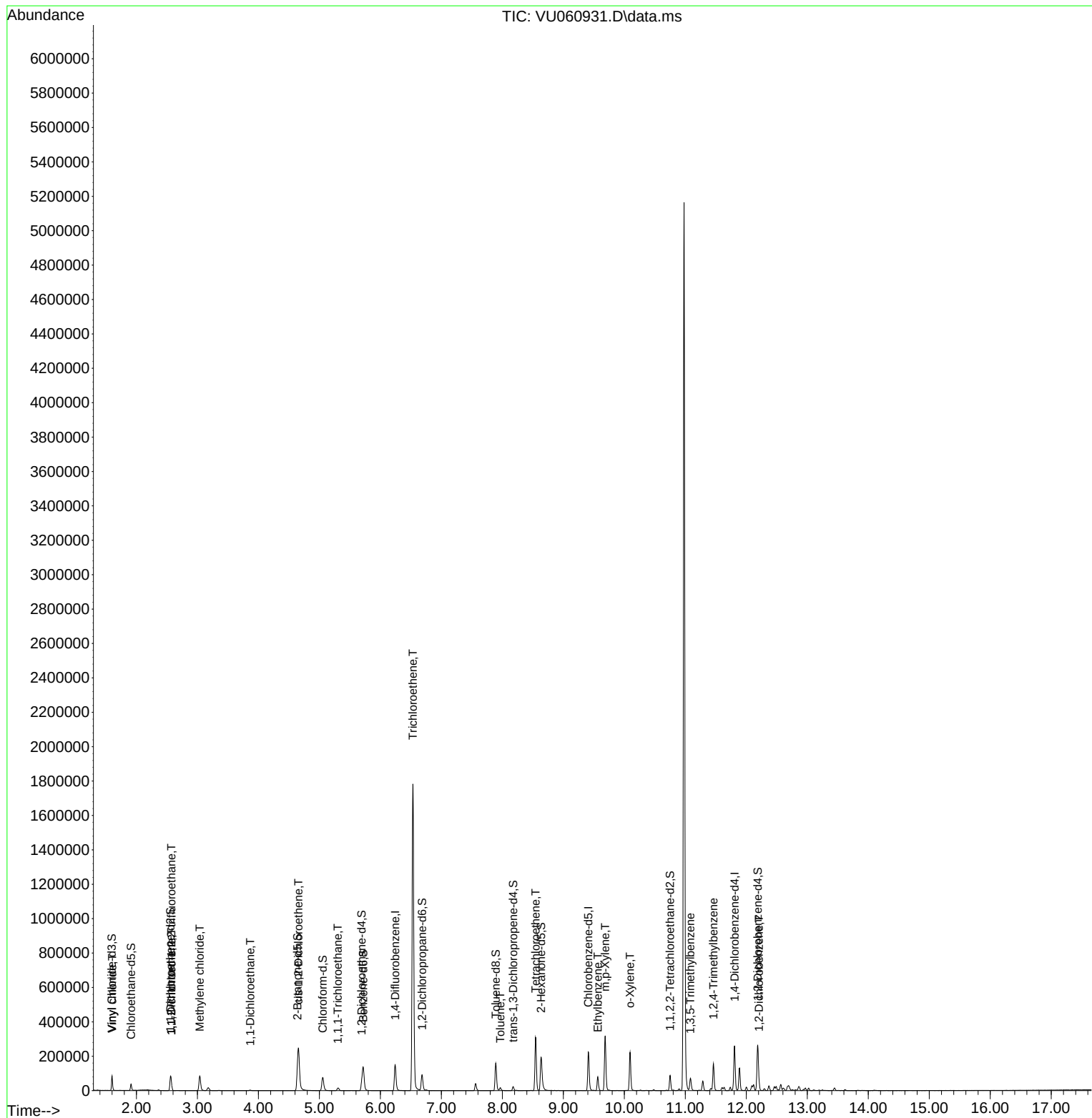
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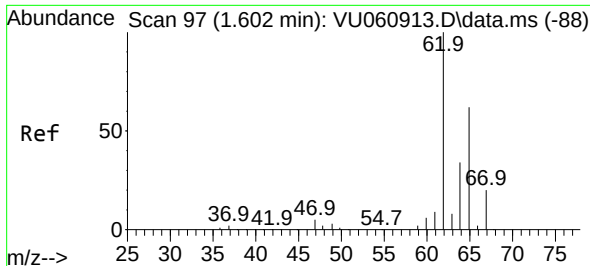
Instrument :
MSVOA_U
ClientSampleId :
C0B36

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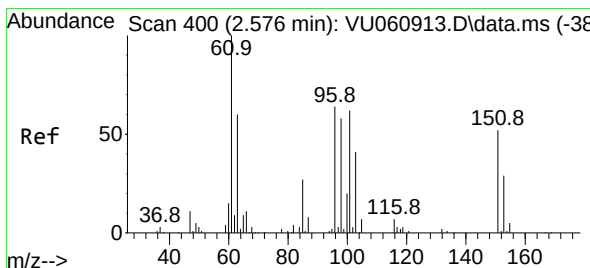
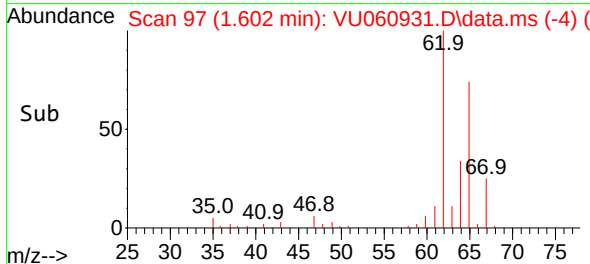
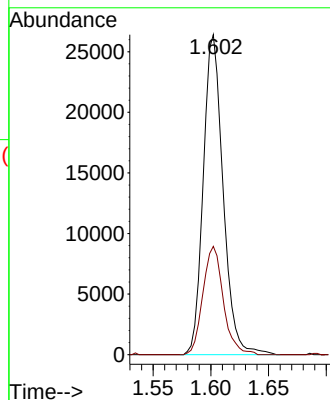
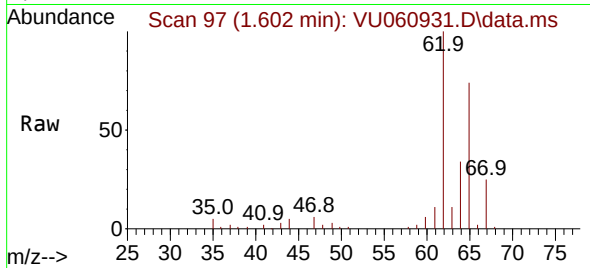




#5
 Vinyl chloride
 Concen: 2.687 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU060931.D
 Acq: 20 Sep 2024 07:04

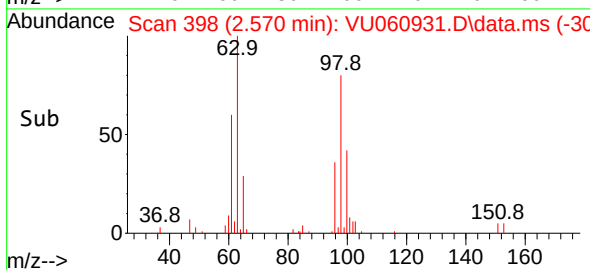
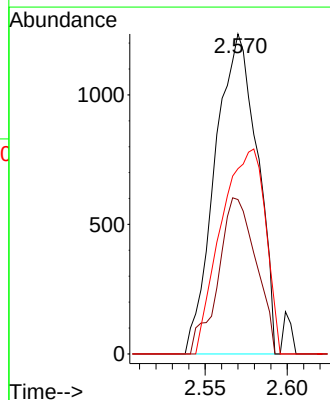
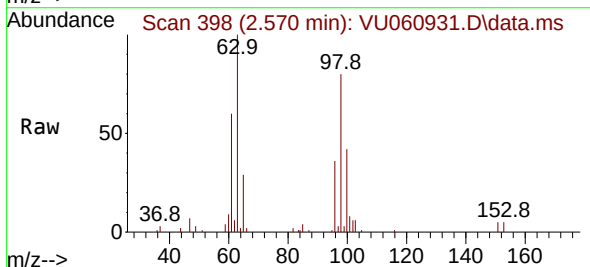
Instrument :
 MSVOA_U
 ClientSampleId :
 C0B36

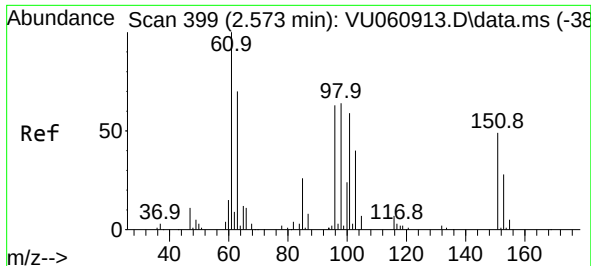
Tgt Ion: 62 Resp: 31538
 Ion Ratio Lower Upper
 62 100
 64 33.8 24.0 44.6



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.236 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.006 min
 Lab File: VU060931.D
 Acq: 20 Sep 2024 07:04

Tgt Ion: 101 Resp: 2210
 Ion Ratio Lower Upper
 101 100
 85 43.6 34.2 51.4
 151 67.3 58.6 88.0





#12

1,1-Dichloroethene

Concen: 1.012 ug/L

RT: 2.570 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU060931.D

Acq: 20 Sep 2024 07:04

Instrument :

MSVOA_U

ClientSampleId :

C0B36

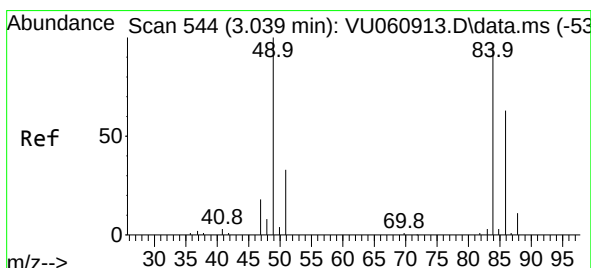
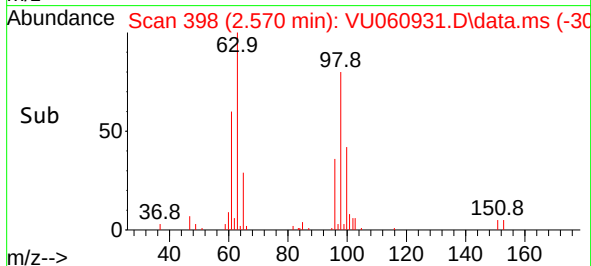
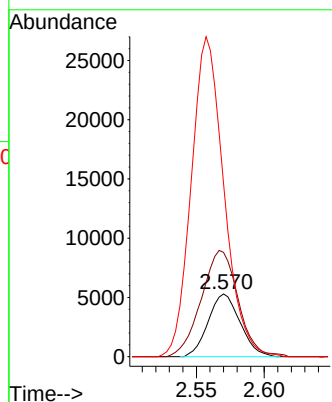
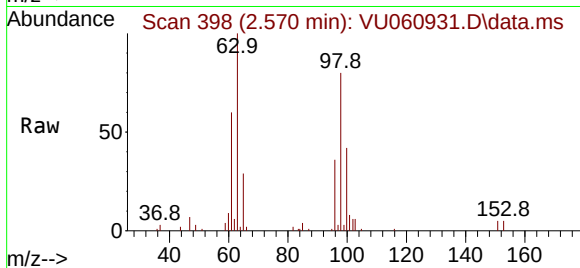
Tgt Ion: 96 Resp: 8654

Ion Ratio Lower Upper

96 100

61 166.2 120.7 224.1

63 275.7 90.0 167.2#



#16

Methylene chloride

Concen: 4.850 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU060931.D

Acq: 20 Sep 2024 07:04

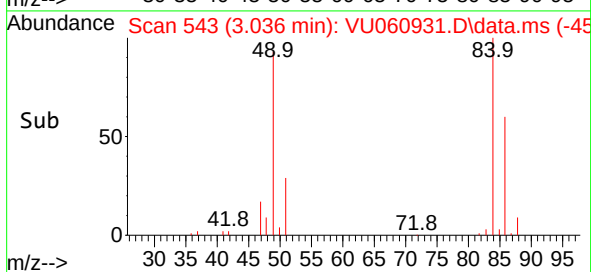
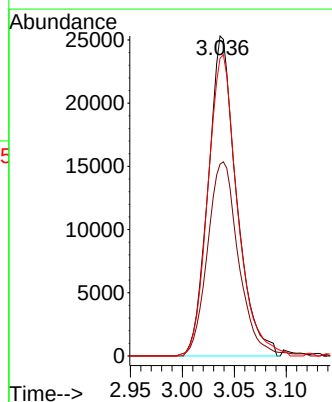
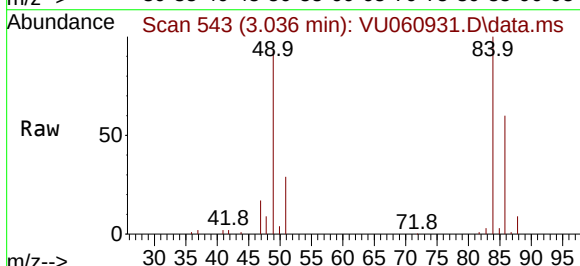
Tgt Ion: 84 Resp: 48039

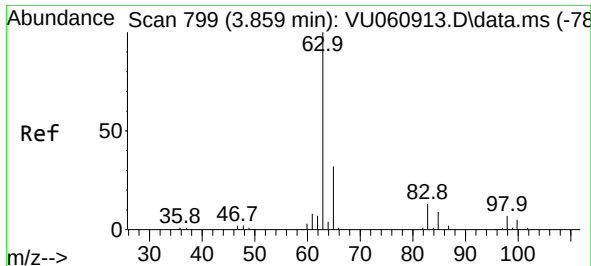
Ion Ratio Lower Upper

84 100

86 59.9 47.3 87.8

49 93.0 78.7 146.1





#19

1,1-Dichloroethane

Concen: 0.220 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.007 min

Lab File: VU060931.D

Acq: 20 Sep 2024 07:04

Instrument :

MSVOA_U

ClientSampleId :

C0B36

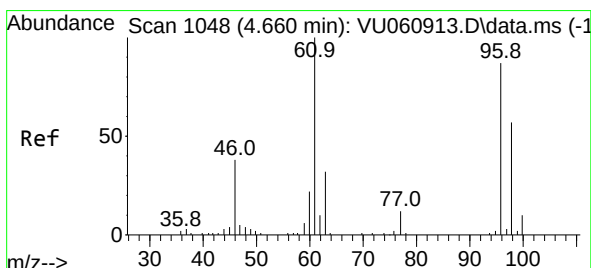
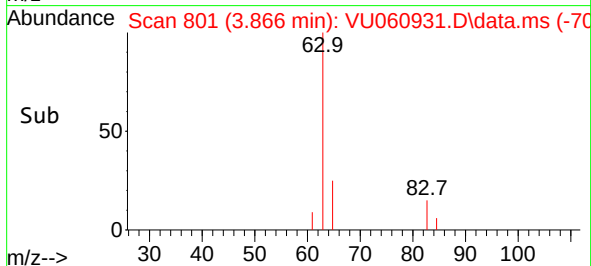
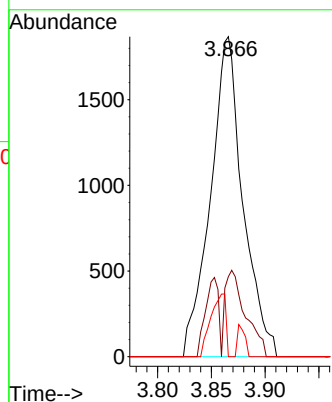
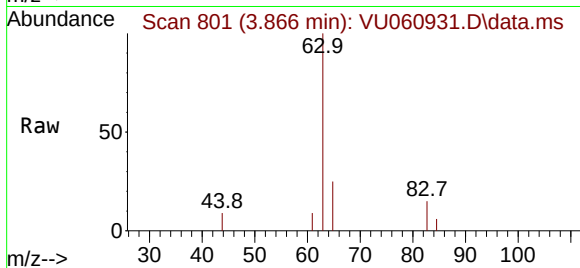
Tgt Ion: 63 Resp: 3919

Ion Ratio Lower Upper

63 100

65 25.0 23.0 42.8

83 0.0 9.0 16.6#



#22

cis-1,2-Dichloroethene

Concen: 12.423 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU060931.D

Acq: 20 Sep 2024 07:04

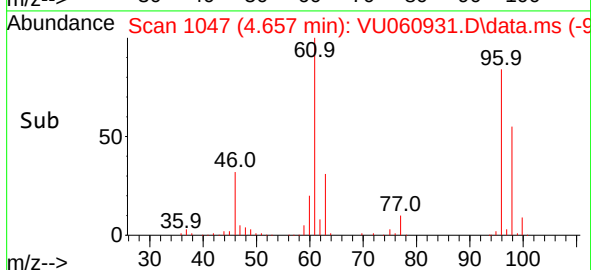
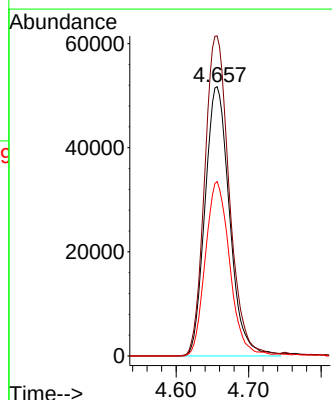
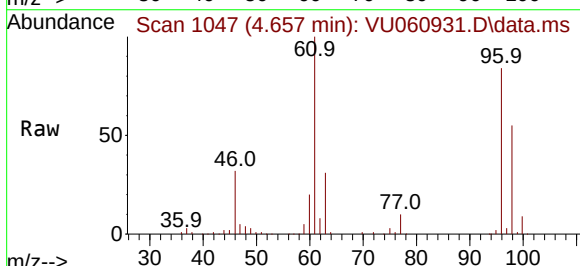
Tgt Ion: 96 Resp: 121860

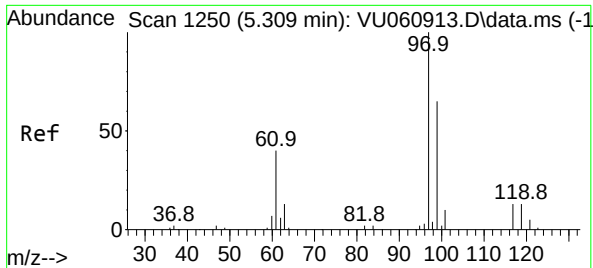
Ion Ratio Lower Upper

96 100

61 118.8 89.7 166.5

98 64.8 45.1 83.9

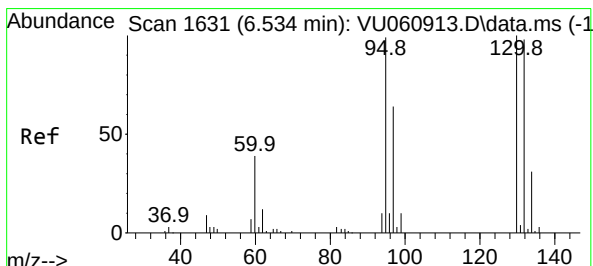
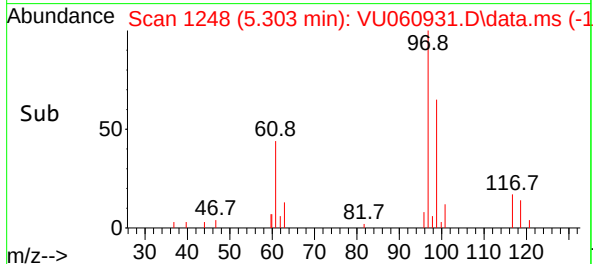
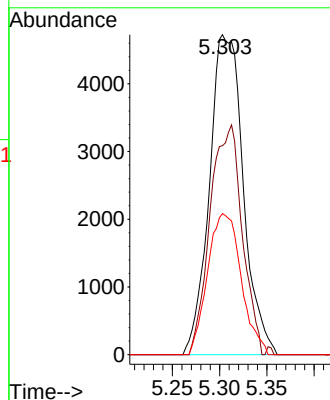
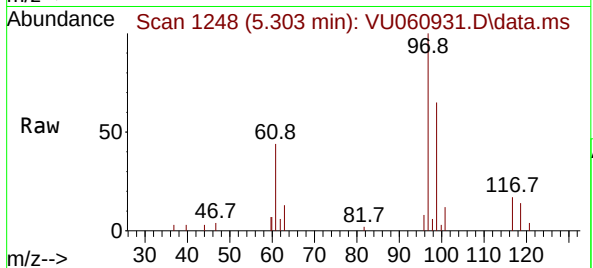




#29
1,1,1-Trichloroethane
Concen: 0.779 ug/L
RT: 5.303 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU060931.D
Acq: 20 Sep 2024 07:04

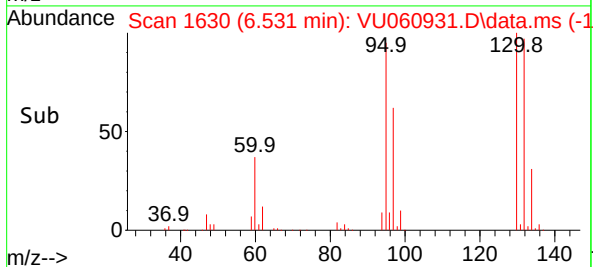
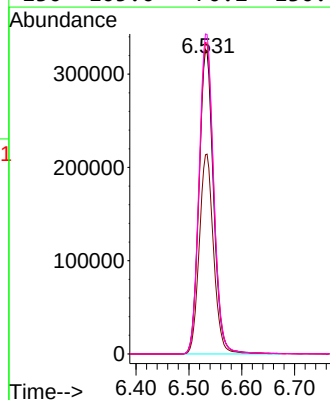
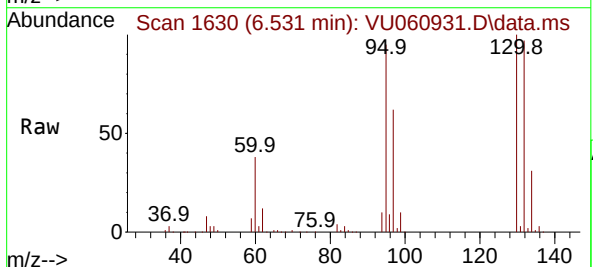
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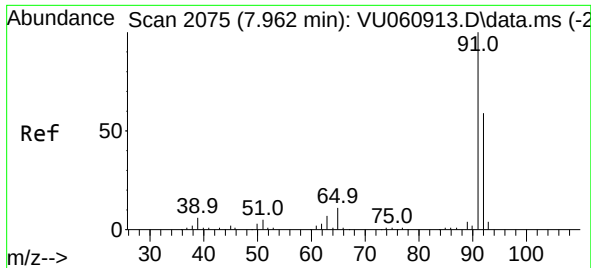
Tgt Ion:	97	Resp:	11777
Ion	Ratio	Lower	Upper
97	100		
99	67.8	50.5	75.7
61	43.7	34.4	51.6



#34
Trichloroethene
Concen: 61.640 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.003 min
Lab File: VU060931.D
Acq: 20 Sep 2024 07:04

Tgt Ion:	95	Resp:	622426
Ion	Ratio	Lower	Upper
95	100		
97	65.4	44.9	83.5
132	102.2	63.5	117.9
130	105.0	70.2	130.4





#42

Toluene

Concen: 0.328 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU060931.D

Acq: 20 Sep 2024 07:04

Instrument :

MSVOA_U

ClientSampleId :

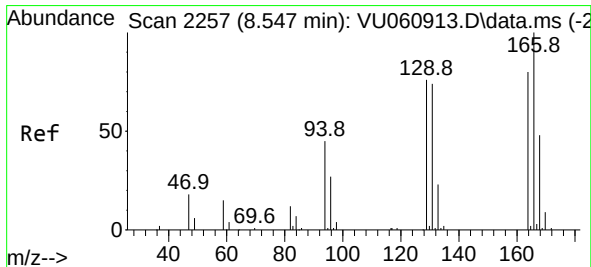
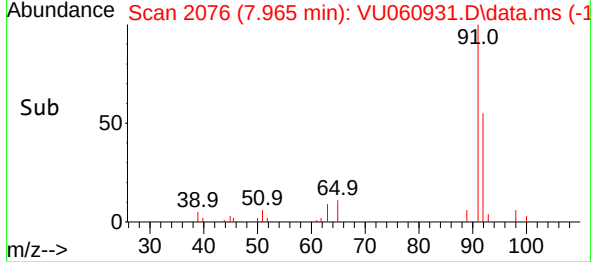
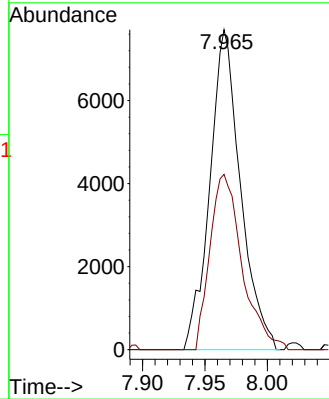
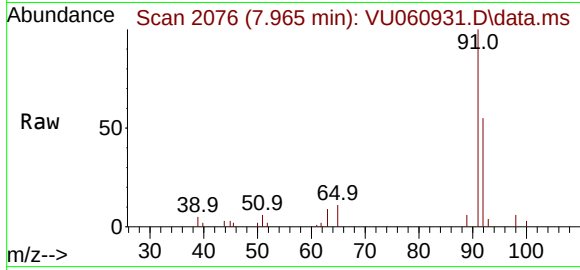
C0B36

Tgt Ion: 91 Resp: 13208

Ion Ratio Lower Upper

91 100

92 54.8 40.5 75.3



#47

Tetrachloroethene

Concen: 9.254 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. -0.003 min

Lab File: VU060931.D

Acq: 20 Sep 2024 07:04

Tgt Ion: 164 Resp: 74261

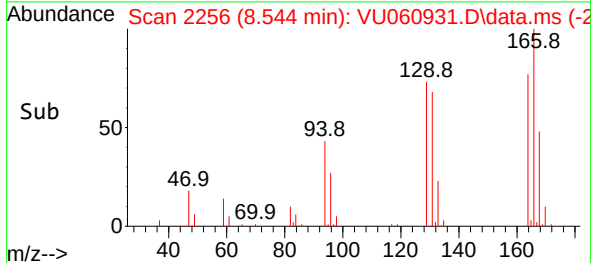
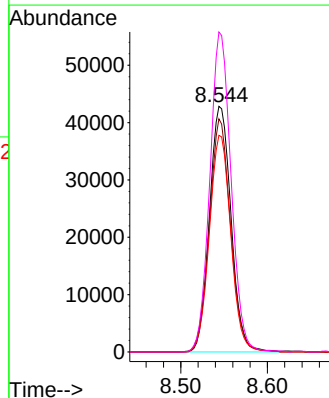
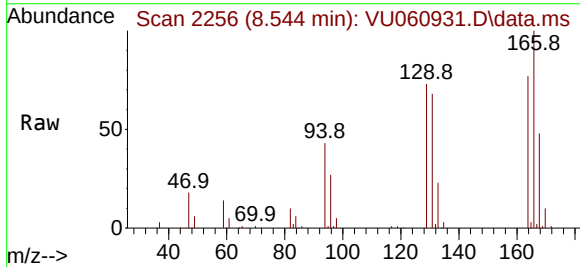
Ion Ratio Lower Upper

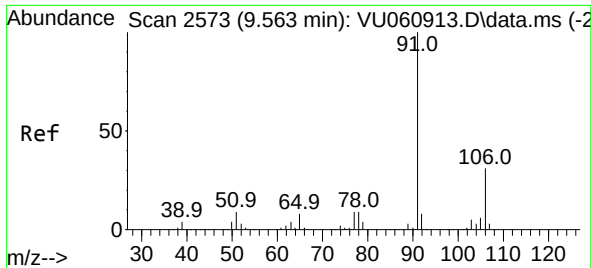
164 100

129 95.0 67.3 124.9

131 88.2 65.4 121.4

166 130.3 89.5 166.1

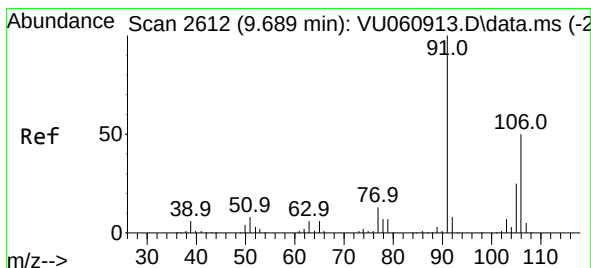
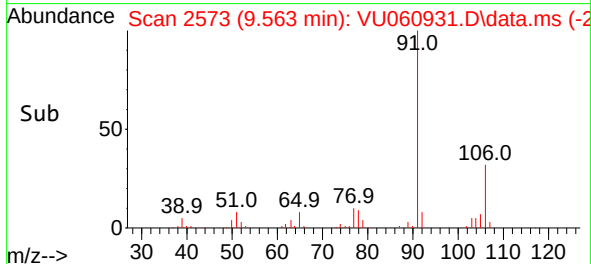
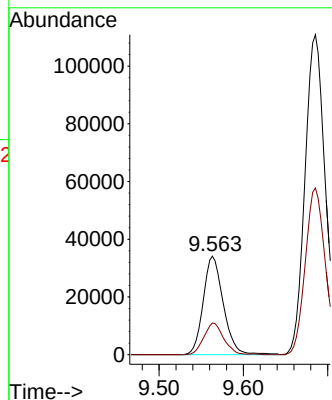
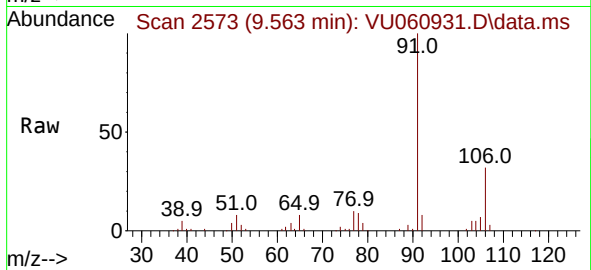




#52
Ethylbenzene
Concen: 1.340 ug/L
RT: 9.563 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VU060931.D
Acq: 20 Sep 2024 07:04

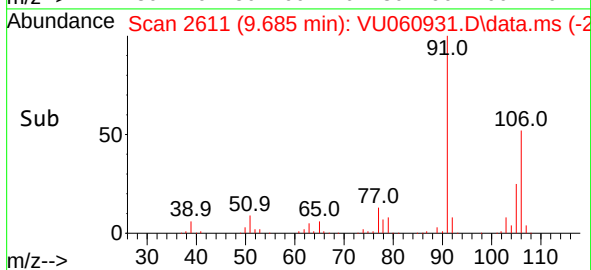
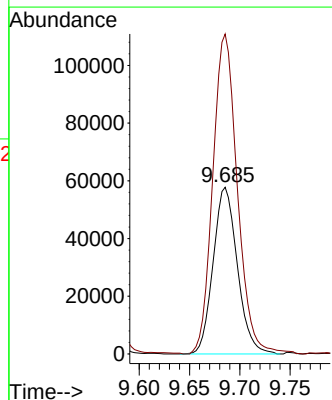
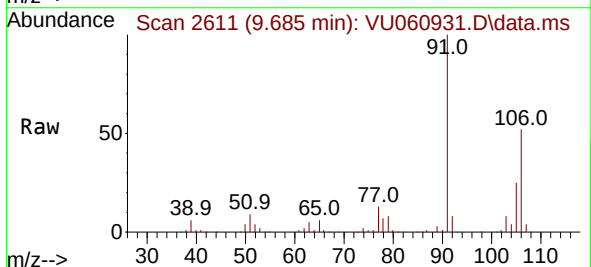
Instrument :
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ClientSampleId :
C0B36

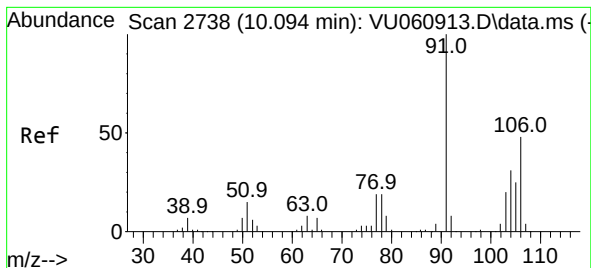
Tgt Ion: 91 Resp: 56810
Ion Ratio Lower Upper
91 100
106 32.1 21.8 40.6



#53
m,p-Xylene
Concen: 6.021 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU060931.D
Acq: 20 Sep 2024 07:04

Tgt Ion: 106 Resp: 96800
Ion Ratio Lower Upper
106 100
91 192.0 139.7 259.4





#54

o-Xylene

Concen: 3.977 ug/L

RT: 10.094 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU060931.D

Acq: 20 Sep 2024 07:04

Instrument :

MSVOA_U

ClientSampleId :

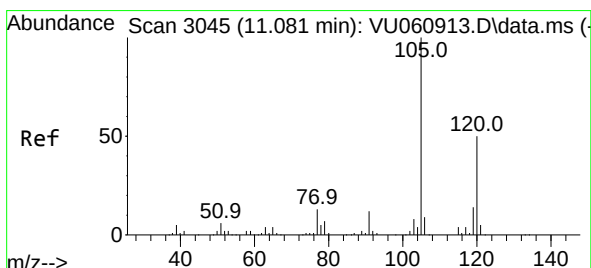
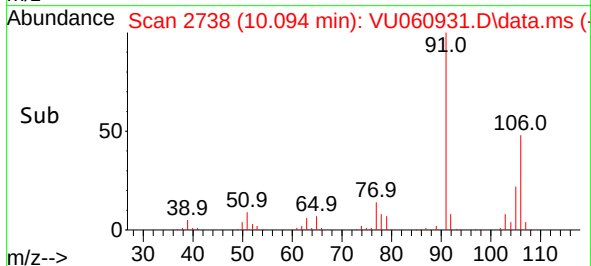
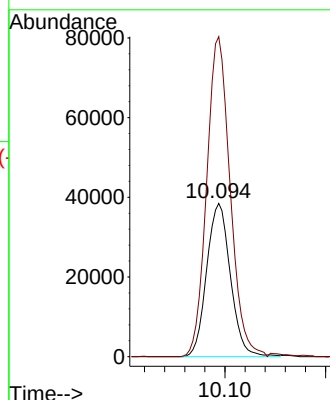
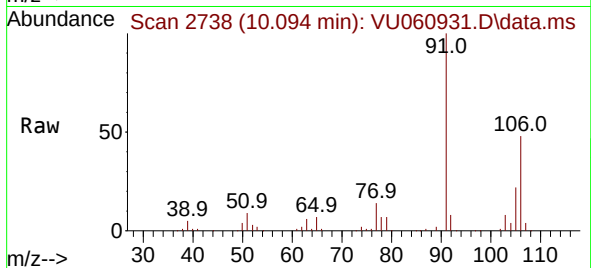
C0B36

Tgt Ion:106 Resp: 63092

Ion Ratio Lower Upper

106 100

91 208.7 148.6 276.0



#62

1,3,5-Trimethylbenzene

Concen: 0.919 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU060931.D

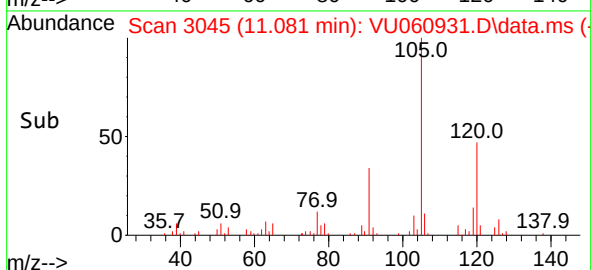
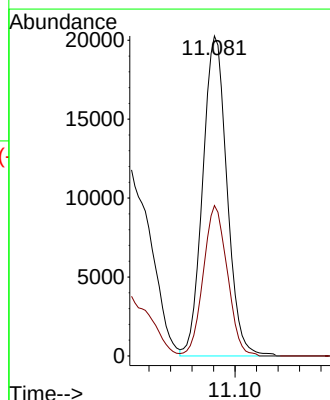
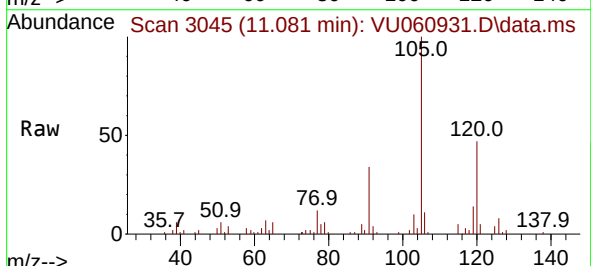
Acq: 20 Sep 2024 07:04

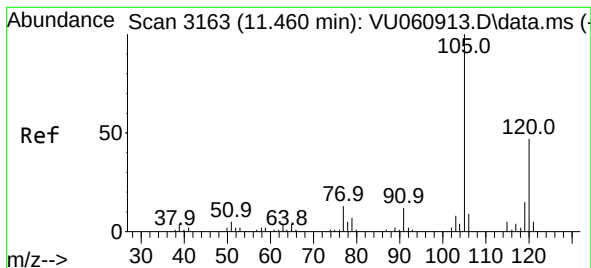
Tgt Ion:105 Resp: 31785

Ion Ratio Lower Upper

105 100

120 46.6 38.5 57.7





#63

1,2,4-Trimethylbenzene

Concen: 2.508 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU060931.D

Acq: 20 Sep 2024 07:04

Instrument :

MSVOA_U

ClientSampleId :

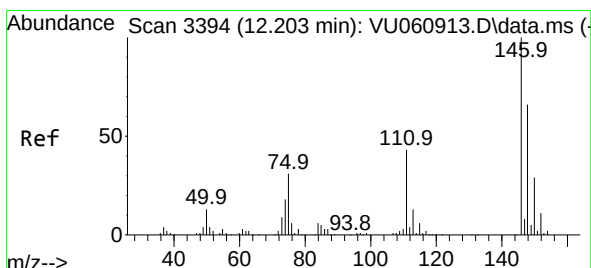
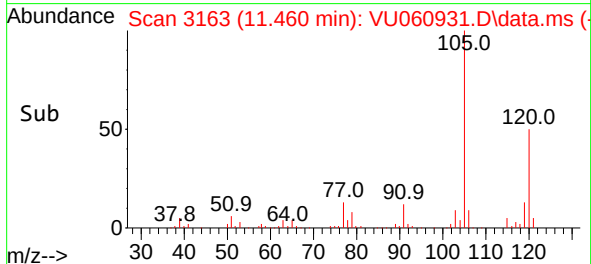
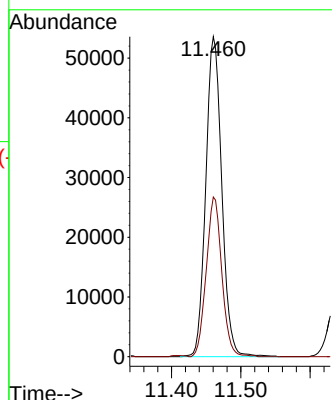
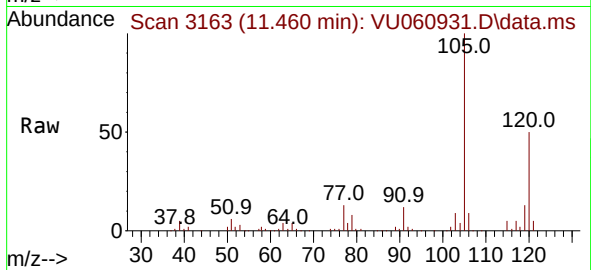
C0B36

Tgt Ion:105 Resp: 85646

Ion Ratio Lower Upper

105 100

120 48.6 36.1 54.1



#67

1,2-Dichlorobenzene

Concen: 0.528 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU060931.D

Acq: 20 Sep 2024 07:04

Tgt Ion:146 Resp: 11161

Ion Ratio Lower Upper

146 100

111 38.8 33.4 50.0

148 59.4 50.9 76.3

