

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061824\
 Data File : VU059334.D
 Acq On : 19 Jun 2024 00:11
 Operator : MD/SY
 Sample : P2856-07
 Misc : 2.80g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 19 05:41:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 19 05:32:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	167613	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	178766	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.689	152	11481	50.000	ug/L	-0.12
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	34438	34.315	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	68.640%		
7) Chloroethane-d5	1.869	69	20835	24.236	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery =	48.480%#		
11) 1,1-Dichloroethene-d2	2.531	63	49520	24.999	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery =	50.000%#		
21) 2-Butanone-d5	4.628	46	77958	82.414	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	82.410%		
24) Chloroform-d	5.052	84	79414	39.750	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.500%		
26) 1,2-Dichloroethane-d4	5.692	65	53652	43.816	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.640%		
32) Benzene-d6	5.715	84	164730	40.149	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.300%		
36) 1,2-Dichloropropane-d6	6.682	67	54169	38.290	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	76.580%		
41) Toluene-d8	7.891	98	142070	40.789	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	81.580%		
43) trans-1,3-Dichloroprop...	8.177	79	22368	39.116	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	78.240%		
47) 2-Hexanone-d5	8.640	63	57583	88.021	ug/L	0.01
Spiked Amount 100.000	Range 45 - 130		Recovery =	88.020%		
56) 1,1,2,2-Tetrachloroeth...	10.875	84	6824	2.850	ug/L	0.13
Spiked Amount 50.000	Range 65 - 120		Recovery =	5.700%#		
66) 1,2-Dichlorobenzene-d4	12.190	152	78551	458.464	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	916.920%#		
Target Compounds						Qvalue
16) Methylene chloride	3.027	84	5783	3.609	ug/L	92
35) Methylcyclohexane	6.750	83	7228	3.110	ug/L #	82
45) 1,1,2-Trichloroethane	8.361	97	11952	7.252	ug/L #	17
46) Tetrachloroethene	8.550	164	3440	3.267	ug/L	89
52) Ethylbenzene	9.566	91	90158	13.497	ug/L	99
53) m,p-Xylene	9.695	106	64031	26.081	ug/L	92
54) o-Xylene	10.100	106	5409	2.273	ug/L	87
57) 1,1,2,2-Tetrachloroethane	10.759	83	95604	31.845	ug/L #	74
60) 1,2,3-Trichloropropane	10.808	75	1491	4.670	ug/L #	1
61) Isopropylbenzene	10.483	105	363145	449.591	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	1327729	2268.749	ug/L	98
63) 1,2,4-Trimethylbenzene	11.184	105	748	1.179	ug/L	88
65) 1,4-Dichlorobenzene	11.836	146	1126	2.888	ug/L #	1
67) 1,2-Dichlorobenzene	12.206	146	762	1.931	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	12.971	75	3535	43.674	ug/L #	8
71) Naphthalene	14.081	128	548635	870.437	ug/L	99

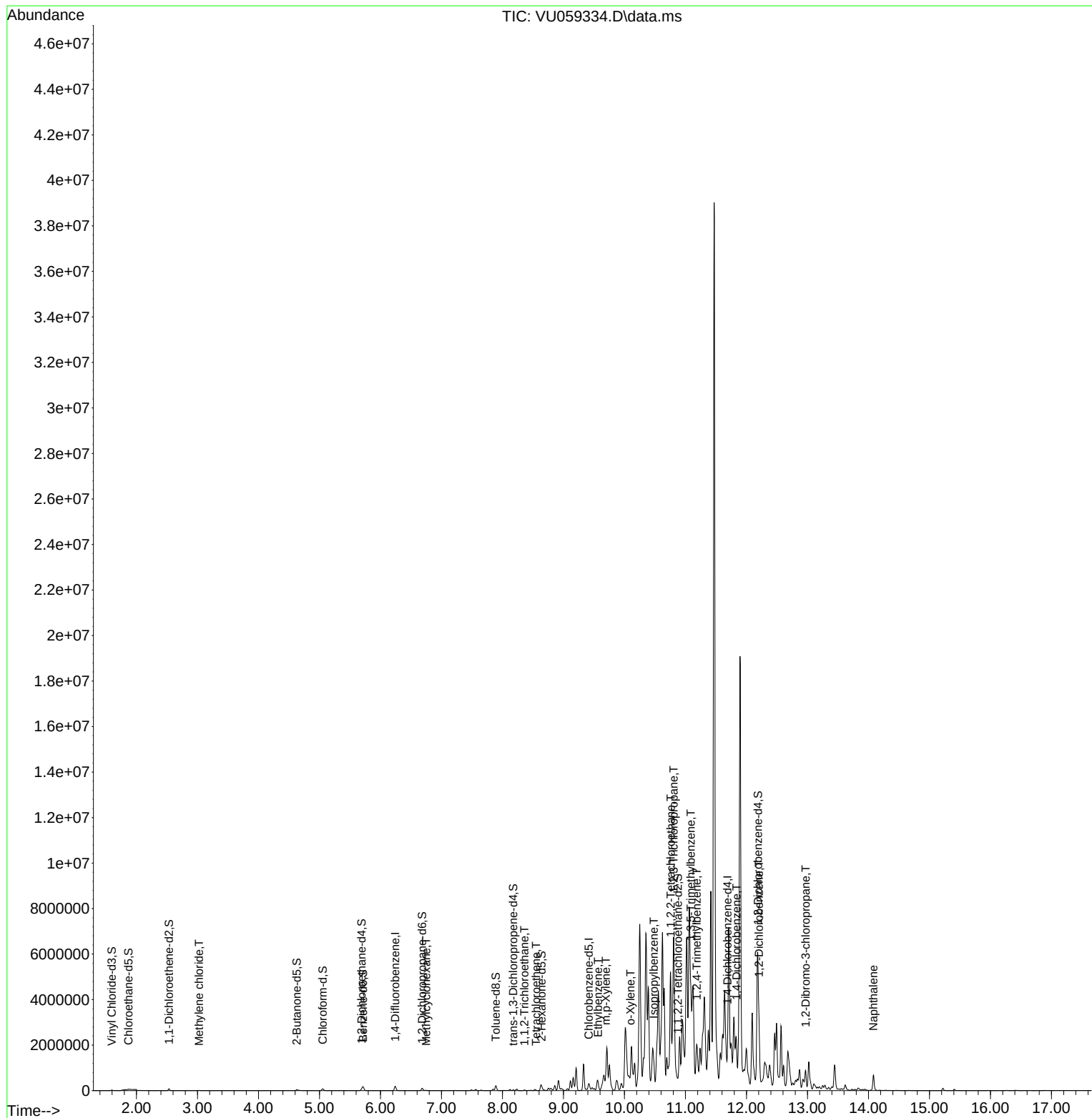
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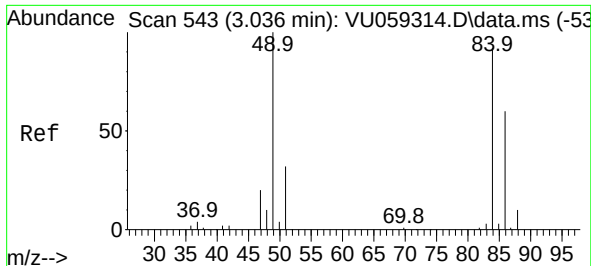
Instrument :
MSVOA_U
ClientSampleId :

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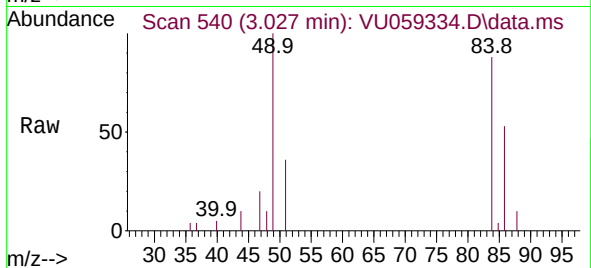
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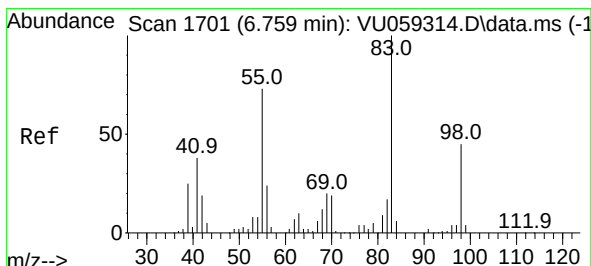
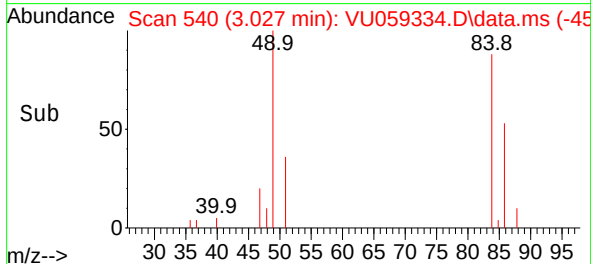
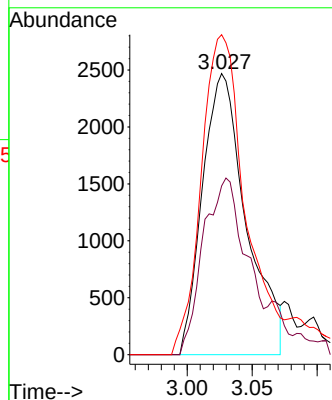


#16
Methylene chloride
Concen: 3.609 ug/L
RT: 3.027 min Scan# 54
Delta R.T. -0.010 min
Lab File: VU059334.D
Acq: 19 Jun 2024 00:11

Instrument :
MSVOA_U
ClientSampleId :

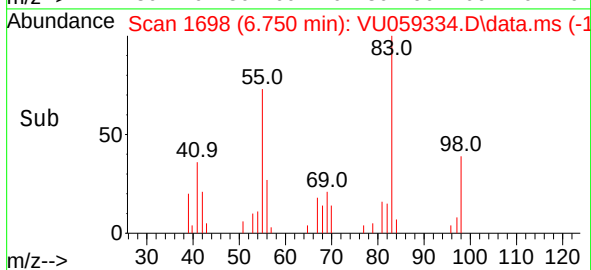
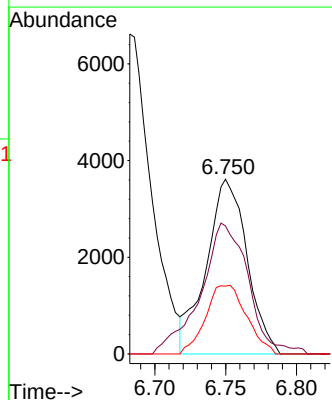
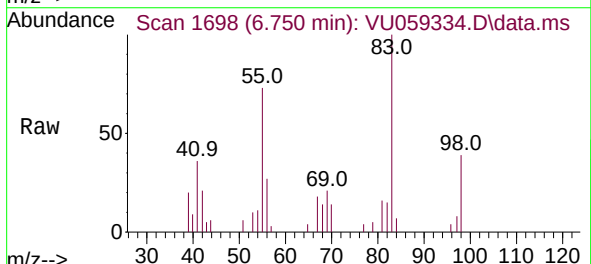


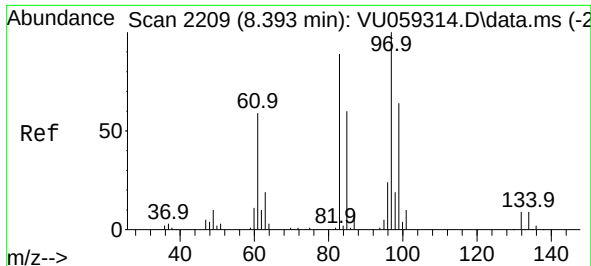
Tgt Ion: 84 Resp: 5783
Ion Ratio Lower Upper
84 100
86 60.1 44.9 83.3
49 113.9 87.5 162.5



#35
Methylcyclohexane
Concen: 3.110 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. -0.010 min
Lab File: VU059334.D
Acq: 19 Jun 2024 00:11

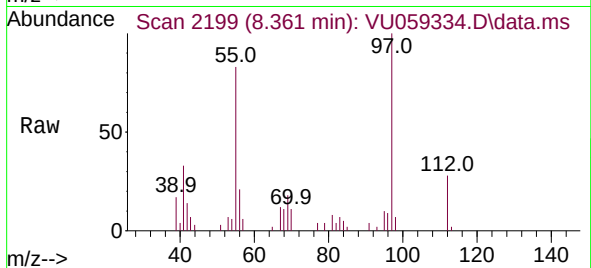
Tgt Ion: 83 Resp: 7228
Ion Ratio Lower Upper
83 100
55 86.8 63.9 95.9
98 20.7 34.7 52.1#



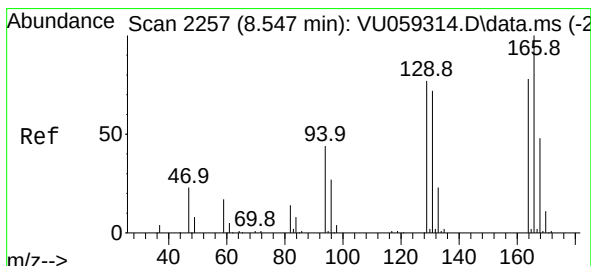
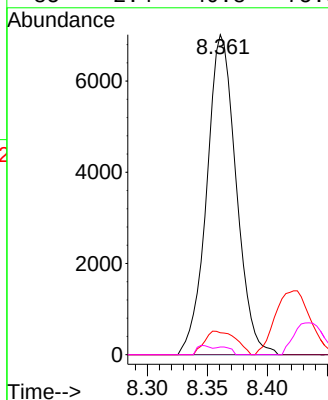
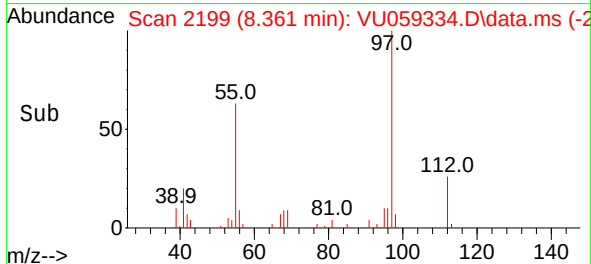


#45
1,1,2-Trichloroethane
Concen: 7.252 ug/L
RT: 8.361 min Scan# 2199
Delta R.T. -0.032 min
Lab File: VU059334.D
Acq: 19 Jun 2024 00:11

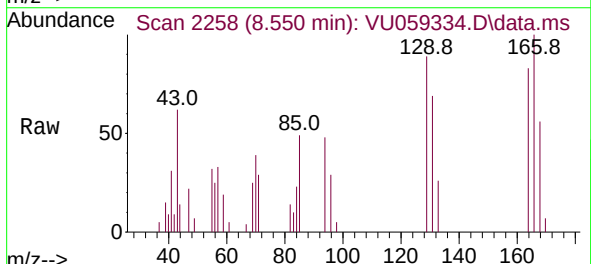
Instrument :
MSVOA_U
ClientSampleId :



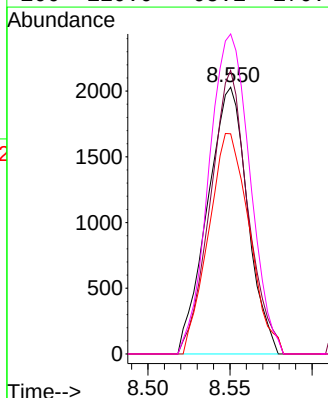
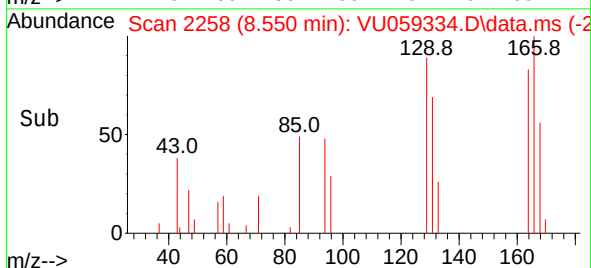
Tgt Ion:	97	Resp:	11952
Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.0	81.6#
83	6.8	63.6	118.2#
85	2.4	40.8	75.8#

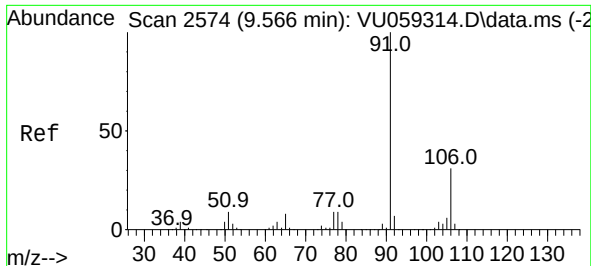


#46
Tetrachloroethene
Concen: 3.267 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU059334.D
Acq: 19 Jun 2024 00:11



Tgt Ion:	164	Resp:	3440
Ion	Ratio	Lower	Upper
164	100		
129	106.3	74.5	138.5
131	82.5	70.6	131.0
166	120.0	95.1	176.7





#52

Ethylbenzene

Concen: 13.497 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. 0.000 min

Lab File: VU059334.D

Acq: 19 Jun 2024 00:11

Instrument :

MSVOA_U

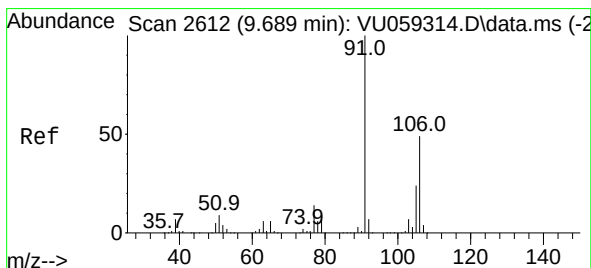
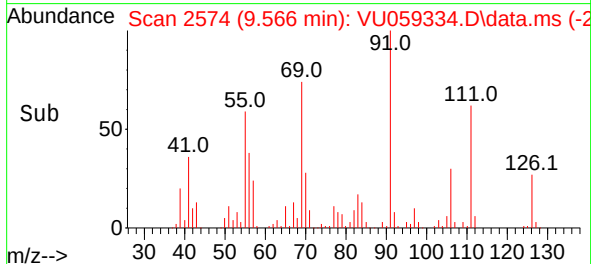
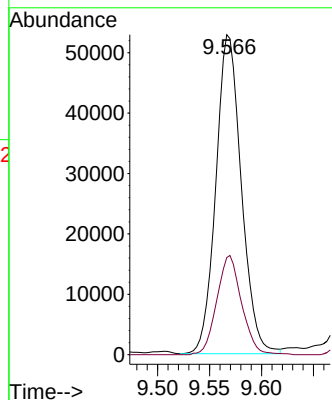
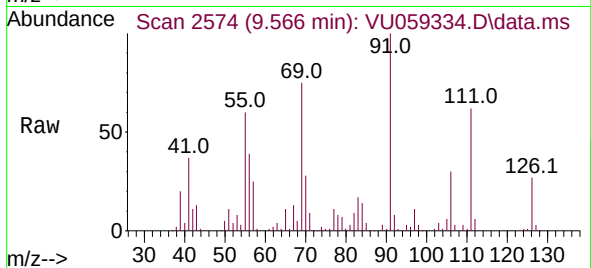
ClientSampleId :

Tgt Ion: 91 Resp: 90158

Ion Ratio Lower Upper

91 100

106 30.4 21.0 39.0



#53

m,p-Xylene

Concen: 26.081 ug/L

RT: 9.695 min Scan# 2614

Delta R.T. 0.007 min

Lab File: VU059334.D

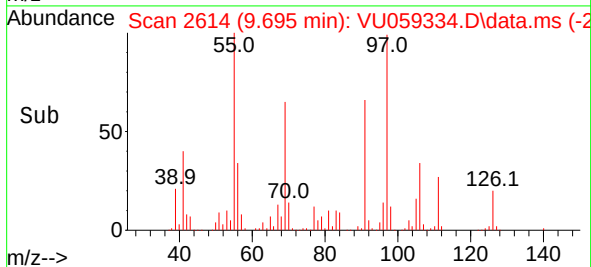
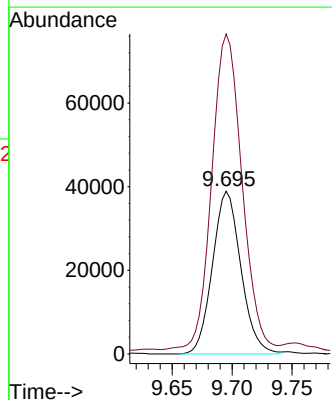
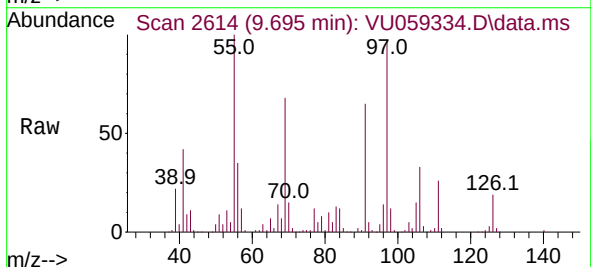
Acq: 19 Jun 2024 00:11

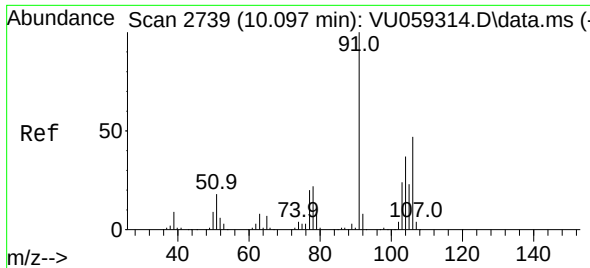
Tgt Ion:106 Resp: 64031

Ion Ratio Lower Upper

106 100

91 196.6 146.4 272.0

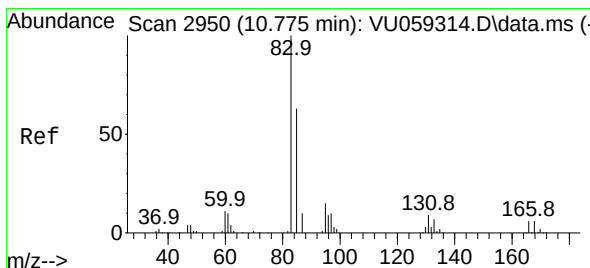
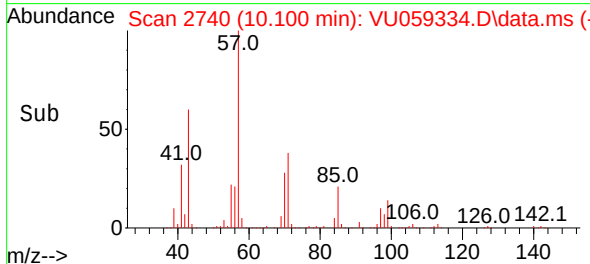
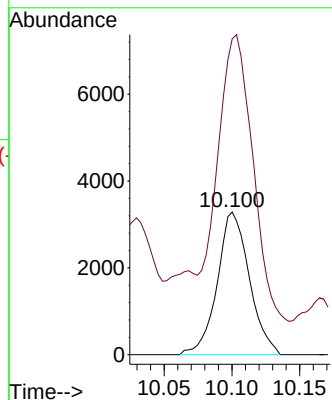
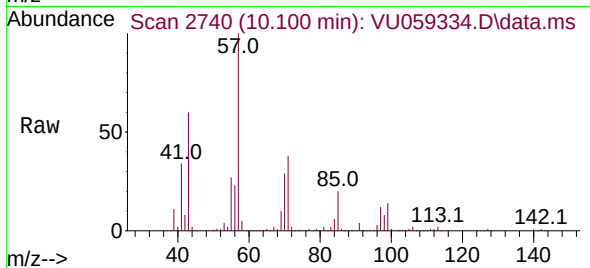




#54
o-Xylene
Concen: 2.273 ug/L
RT: 10.100 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU059334.D
Acq: 19 Jun 2024 00:11

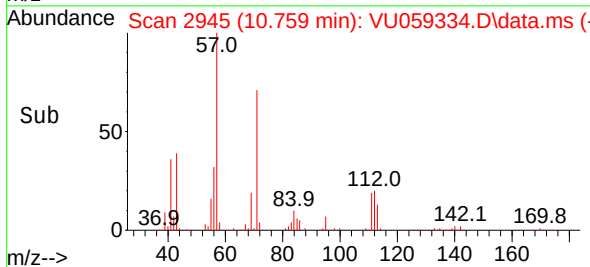
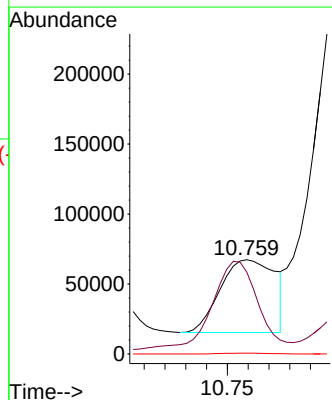
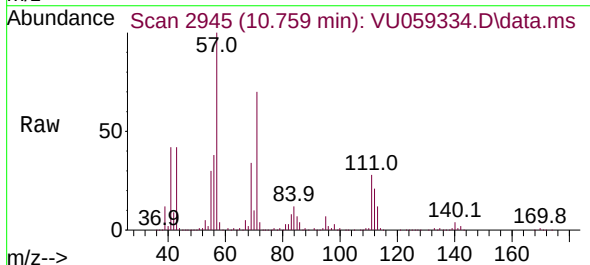
Instrument :
MSVOA_U
ClientSampleId :

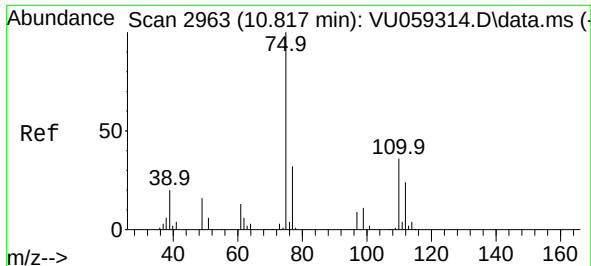
Tgt Ion:106 Resp: 5409
Ion Ratio Lower Upper
106 100
91 202.6 156.7 290.9



#57
1,1,2,2-Tetrachloroethane
Concen: 31.845 ug/L
RT: 10.759 min Scan# 2945
Delta R.T. -0.016 min
Lab File: VU059334.D
Acq: 19 Jun 2024 00:11

Tgt Ion: 83 Resp: 95604
Ion Ratio Lower Upper
83 100
85 87.0 46.1 85.7#
131 0.8 7.0 10.4#





#60

1,2,3-Trichloropropane

Concen: 4.670 ug/L

RT: 10.808 min Scan# 2960

Delta R.T. -0.010 min

Lab File: VU059334.D

Acq: 19 Jun 2024 00:11

Instrument :

MSVOA_U

ClientSampleId :

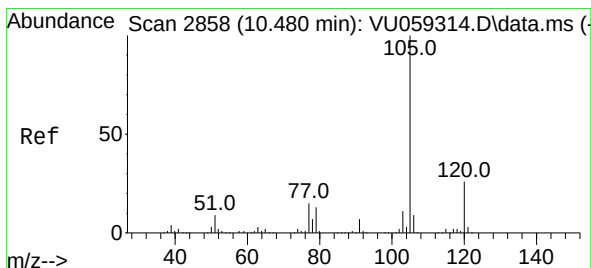
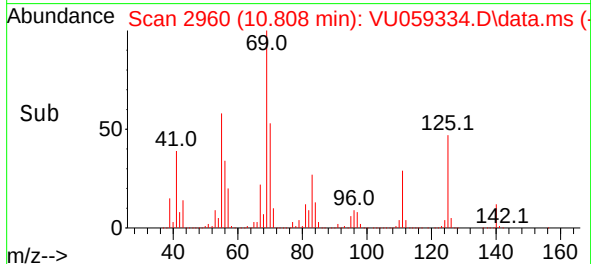
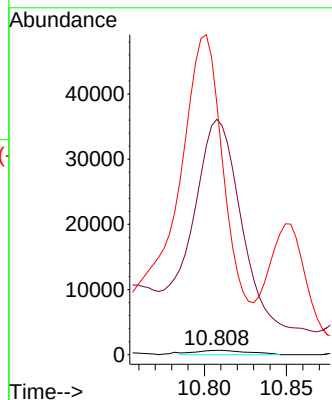
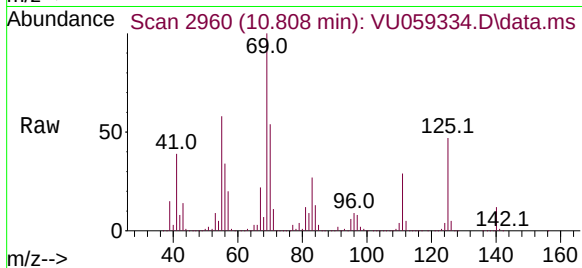
Tgt Ion: 75 Resp: 1491

Ion Ratio Lower Upper

75 100

77 4279.1 26.2 39.2#

110 4982.2 28.4 42.6#



#61

Isopropylbenzene

Concen: 449.591 ug/L

RT: 10.483 min Scan# 2859

Delta R.T. 0.003 min

Lab File: VU059334.D

Acq: 19 Jun 2024 00:11

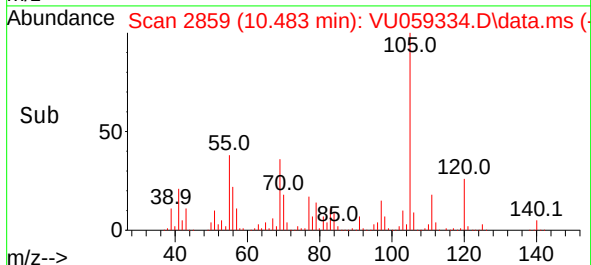
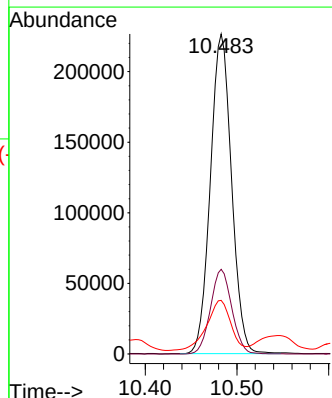
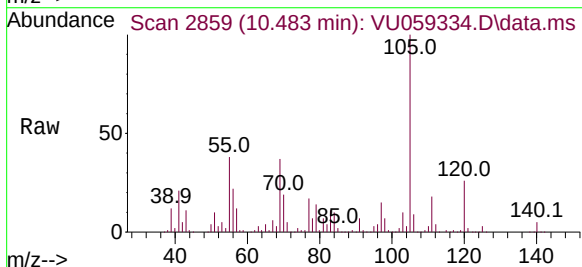
Tgt Ion:105 Resp: 363145

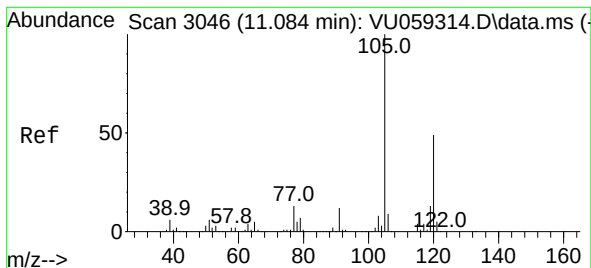
Ion Ratio Lower Upper

105 100

120 26.6 20.3 30.5

77 16.8 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 2268.749 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU059334.D

Acq: 19 Jun 2024 00:11

Instrument :

MSVOA_U

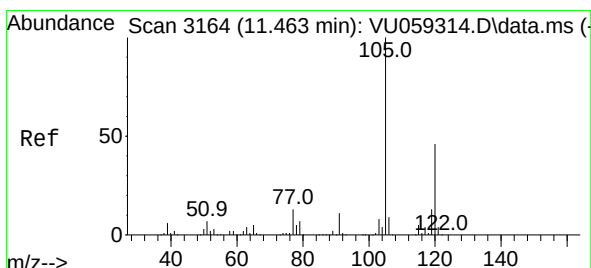
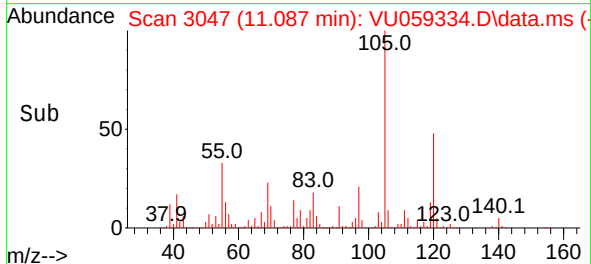
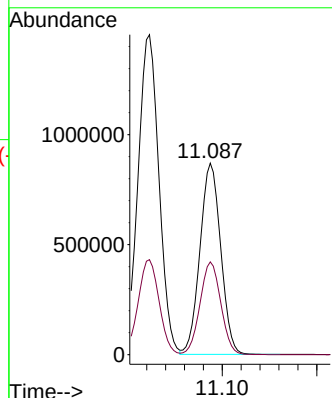
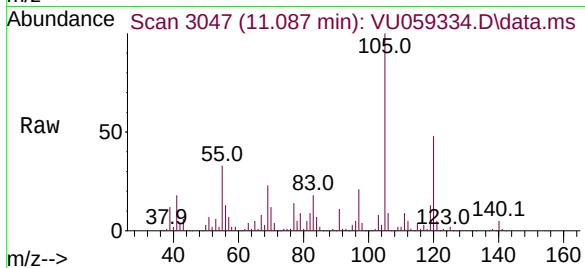
ClientSampleId :

Tgt Ion:105 Resp: 1327729

Ion Ratio Lower Upper

105 100

120 48.5 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 1.179 ug/L

RT: 11.184 min Scan# 3077

Delta R.T. -0.280 min

Lab File: VU059334.D

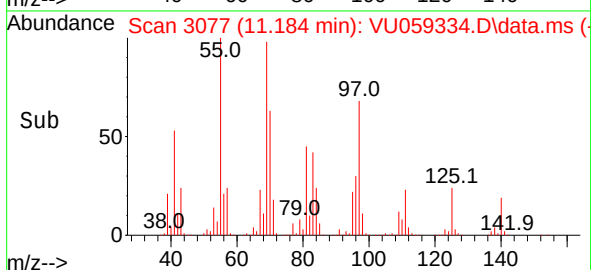
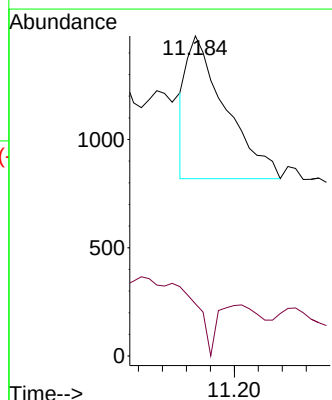
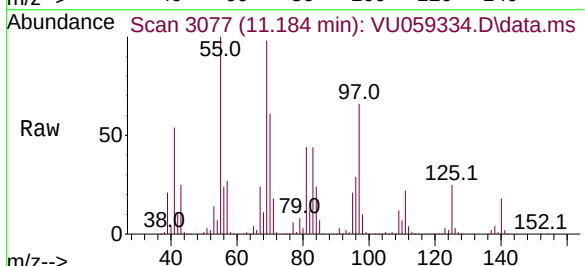
Acq: 19 Jun 2024 00:11

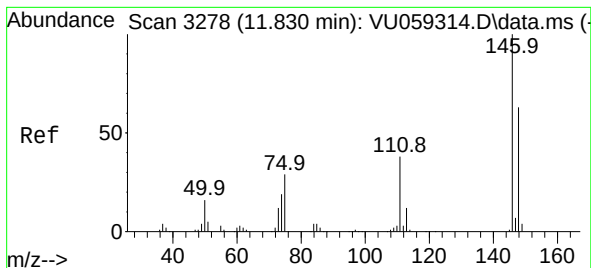
Tgt Ion:105 Resp: 748

Ion Ratio Lower Upper

105 100

120 36.4 35.0 52.6





#65

1,4-Dichlorobenzene

Concen: 2.888 ug/L

RT: 11.836 min Scan# 3278

Delta R.T. 0.006 min

Lab File: VU059334.D

Acq: 19 Jun 2024 00:11

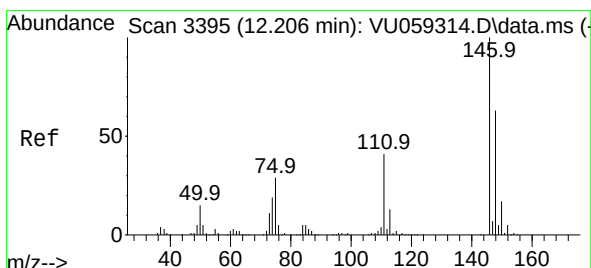
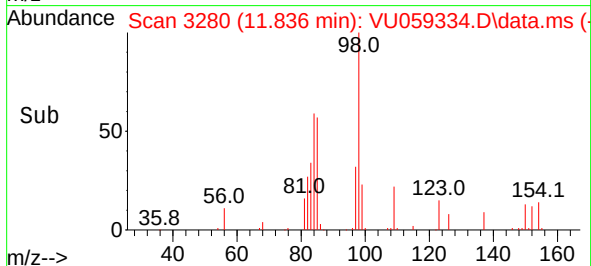
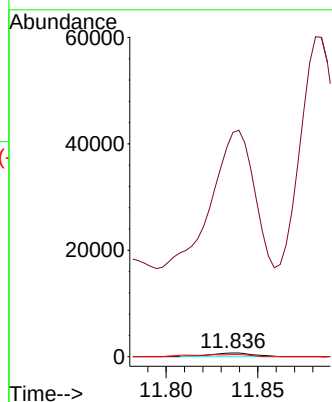
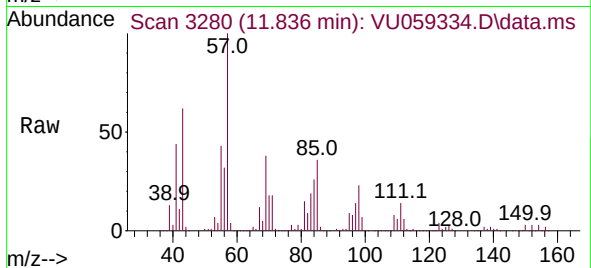
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:146 Resp: 1126

Ion	Ratio	Lower	Upper
146	100		
111	6066.2	27.9	51.9#
148	58.4	45.7	84.9



#67

1,2-Dichlorobenzene

Concen: 1.931 ug/L

RT: 12.206 min Scan# 3395

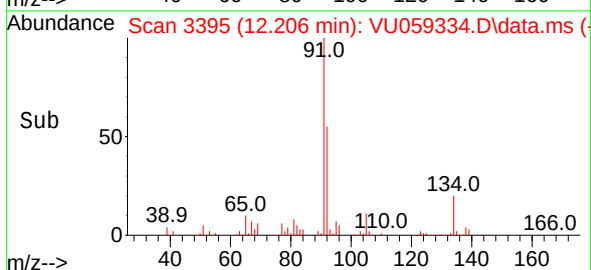
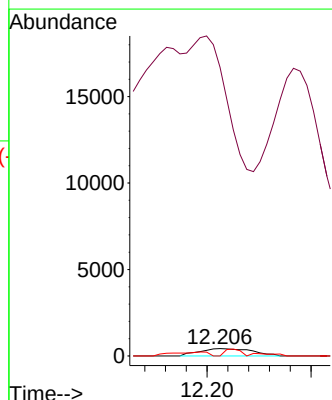
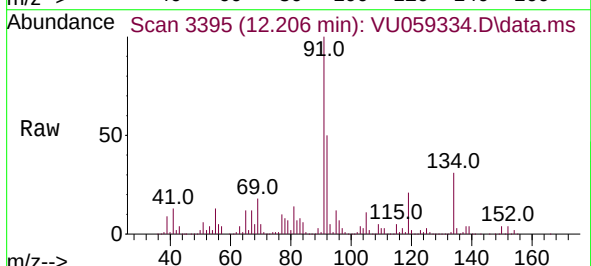
Delta R.T. 0.000 min

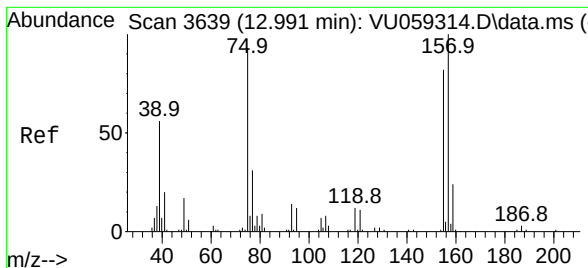
Lab File: VU059334.D

Acq: 19 Jun 2024 00:11

Tgt Ion:146 Resp: 762

Ion	Ratio	Lower	Upper
146	100		
111	3880.9	33.4	50.2#
148	0.0	49.8	74.8#

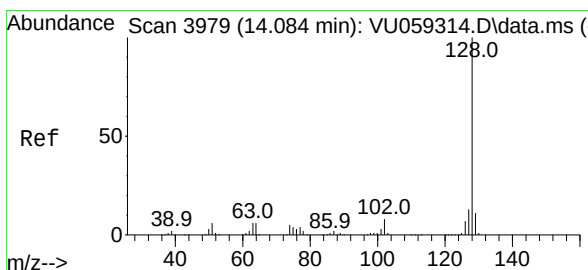
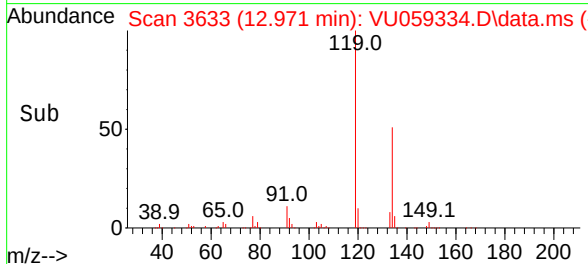
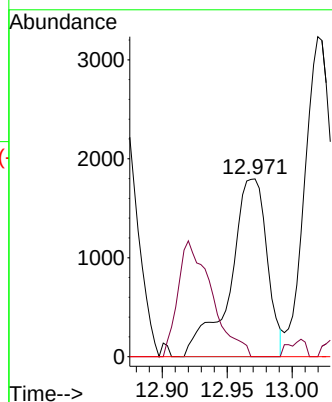
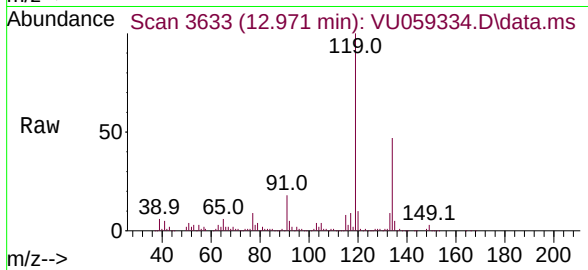




#68
1,2-Dibromo-3-chloropropane
Concen: 43.674 ug/L
RT: 12.971 min Scan# 3633
Delta R.T. -0.019 min
Lab File: VU059334.D
Acq: 19 Jun 2024 00:11

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 3535
Ion Ratio Lower Upper
75 100
155 0.0 57.5 86.3#
157 0.0 73.4 110.2#



#71
Naphthalene
Concen: 870.437 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. -0.003 min
Lab File: VU059334.D
Acq: 19 Jun 2024 00:11

Tgt Ion:128 Resp: 548635
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.2 8.5 12.7

