

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
 Data File : VU051150.D
 Acq On : 06 Oct 2022 01:04
 Operator : JC/MD
 Sample : N4890-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 06 06:32:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 06 06:20:30 2022
 Response via : Initial Calibration

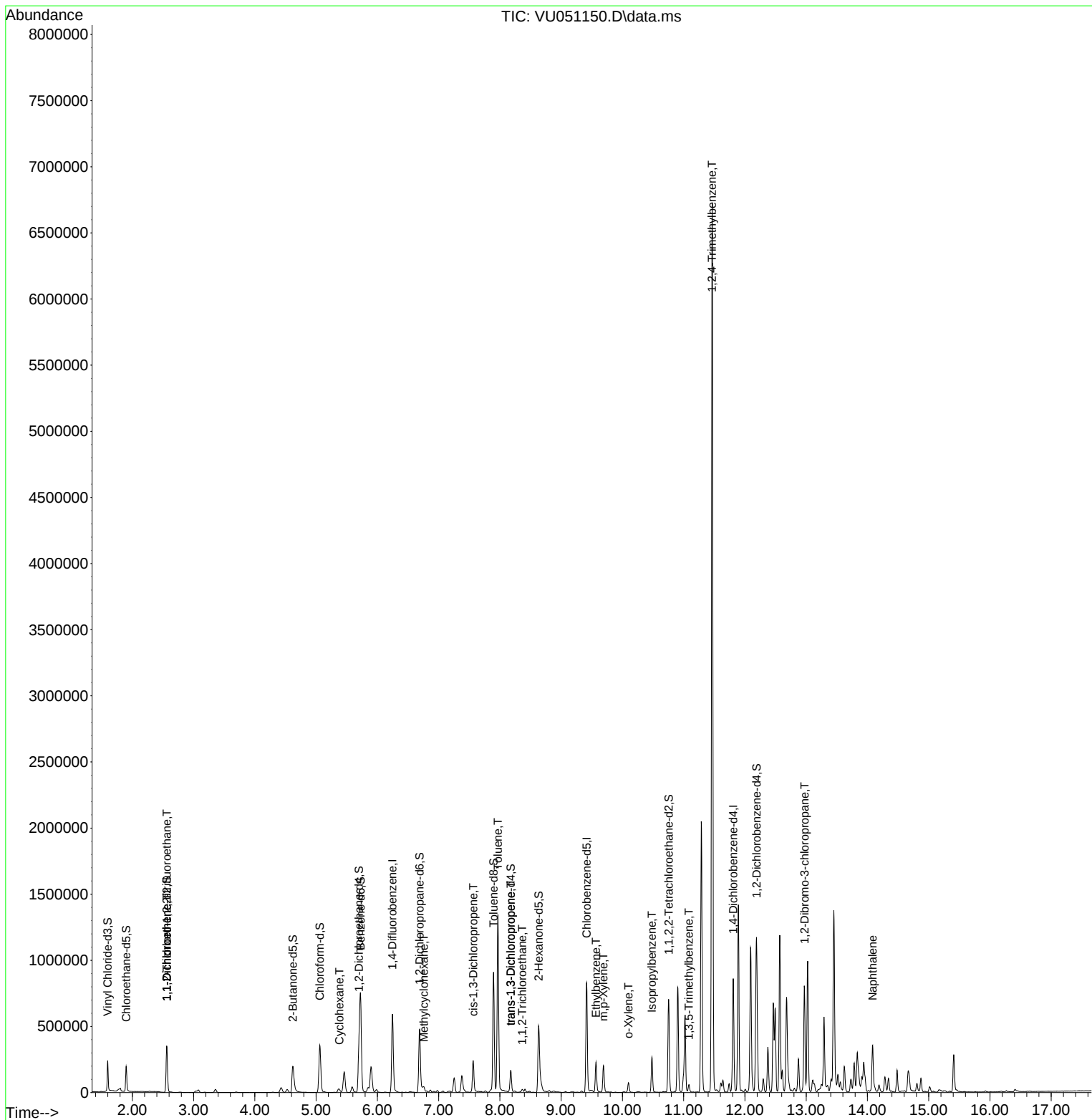
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

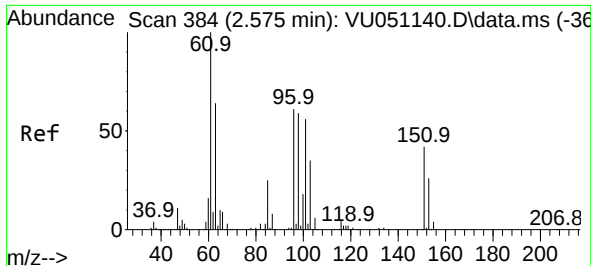
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	486560	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	469610	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	223404	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	155755	31.587	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	63.180%		
7) Chloroethane-d5	1.900	69	144443	31.534	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	63.060%#		
11) 1,1-Dichloroethene-d2	2.562	63	211368	29.018	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	58.040%#		
21) 2-Butanone-d5	4.620	46	290726	90.903	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.900%		
24) Chloroform-d	5.060	84	336150	42.312	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.620%		
26) 1,2-Dichloroethane-d4	5.700	65	223774	45.507	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.020%		
32) Benzene-d6	5.726	84	709889	51.621	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.240%		
36) 1,2-Dichloropropane-d6	6.690	67	239366	53.641	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	107.280%		
41) Toluene-d8	7.896	98	606238	47.714	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.420%		
43) trans-1,3-Dichloroprop...	8.179	79	91775	43.119	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.240%		
47) 2-Hexanone-d5	8.633	63	153974	85.454	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	85.450%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	355324	45.561	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.120%		
66) 1,2-Dichlorobenzene-d4	12.192	152	239615	50.207	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.420%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	2151	0.579	ug/L #	20
12) 1,1-Dichloroethene	2.562	96	1805	0.520	ug/L #	1
29) Cyclohexane	5.379	56	10135	2.216	ug/L #	63
35) Methylcyclohexane	6.761	83	14508	2.875	ug/L #	66
39) cis-1,3-Dichloropropene	7.565	75	5768	1.056	ug/L #	48
42) Toluene	7.967	91	1003336	65.886	ug/L	99
44) trans-1,3-Dichloropropene	8.179	75	4018	0.728	ug/L #	58
45) 1,1,2-Trichloroethane	8.366	97	7941	1.902	ug/L #	19
52) Ethylbenzene	9.568	91	158323	9.747	ug/L	98
53) m,p-Xylene	9.690	106	55421	9.073	ug/L	100
54) o-Xylene	10.099	106	19321	3.165	ug/L	95
61) Isopropylbenzene	10.481	105	164049	11.304	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	31912	2.689	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	3704254	311.442	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.973	75	3443	2.007	ug/L #	3
71) Naphthalene	14.086	128	289802	19.506	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Oct 06 06:20:30 2022
Response via : Initial Calibration

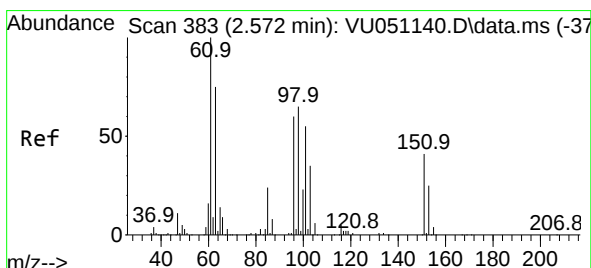
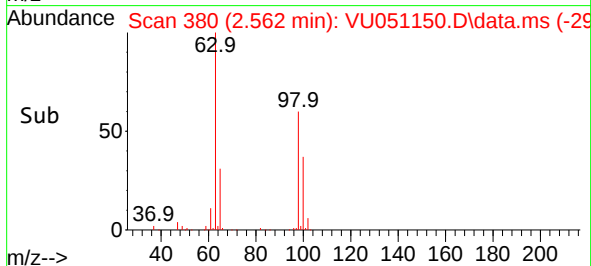
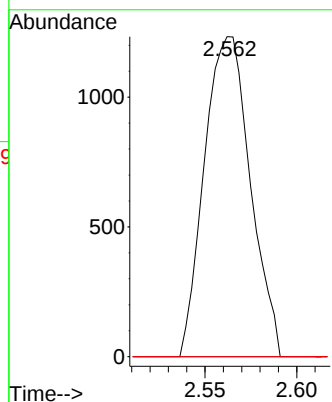
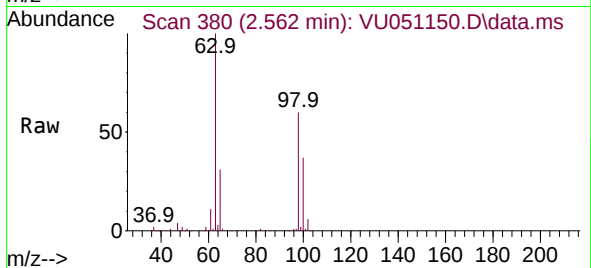




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.579 ug/L
RT: 2.562 min Scan# 380
Delta R.T. -0.013 min
Lab File: VU051150.D
Acq: 06 Oct 2022 01:04

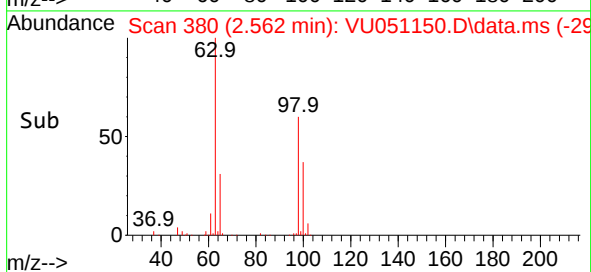
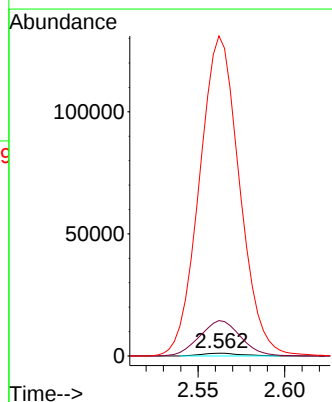
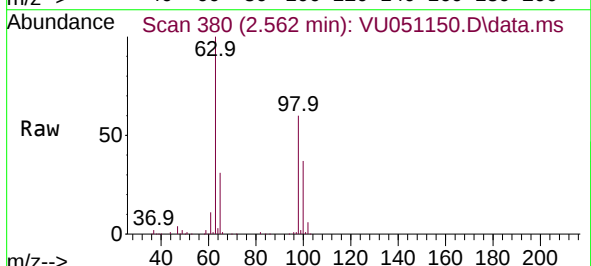
Instrument :
MSVOA_U
ClientSampleId :

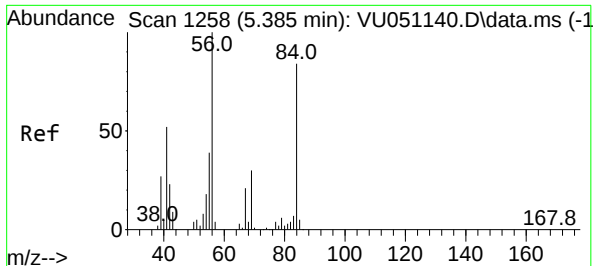
Tgt Ion:101 Resp: 2151
Ion Ratio Lower Upper
101 100
85 0.0 34.6 52.0#
151 0.0 58.6 87.8#



#12
1,1-Dichloroethene
Concen: 0.520 ug/L
RT: 2.562 min Scan# 380
Delta R.T. -0.010 min
Lab File: VU051150.D
Acq: 06 Oct 2022 01:04

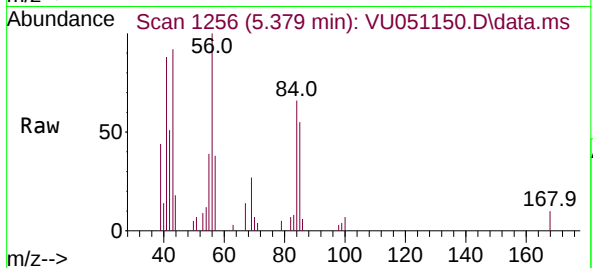
Tgt Ion: 96 Resp: 1805
Ion Ratio Lower Upper
96 100
61 1277.7 113.0 209.9#
63 11578.8 91.7 170.3#



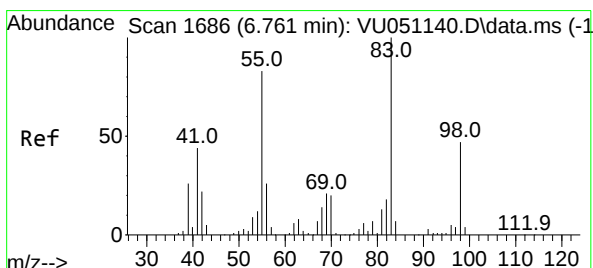
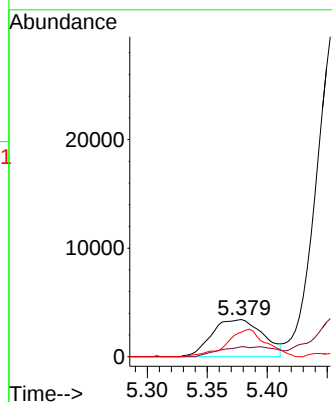
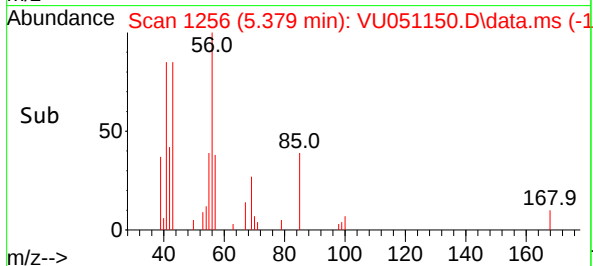


#29
Cyclohexane
Concen: 2.216 ug/L
RT: 5.379 min Scan# 1256
Delta R.T. -0.006 min
Lab File: VU051150.D
Acq: 06 Oct 2022 01:04

Instrument :
MSVOA_U
ClientSampleId :

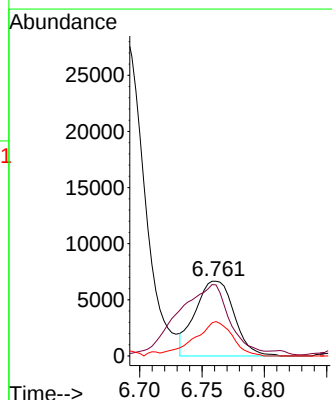
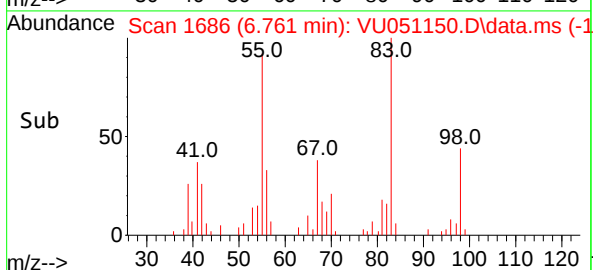
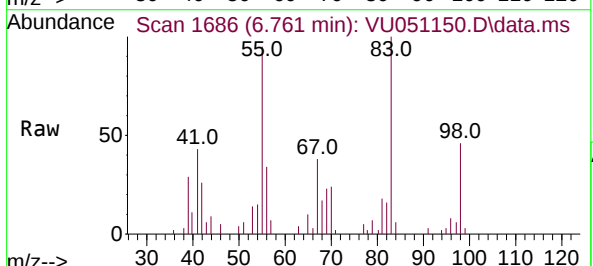


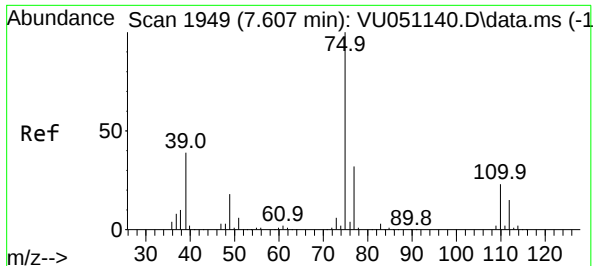
Tgt Ion: 56 Resp: 10135
Ion Ratio Lower Upper
56 100
69 16.1 24.8 37.2#
84 51.3 71.8 107.6#



#35
Methylcyclohexane
Concen: 2.875 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU051150.D
Acq: 06 Oct 2022 01:04

Tgt Ion: 83 Resp: 14508
Ion Ratio Lower Upper
83 100
55 120.9 59.3 88.9#
98 44.9 36.0 54.0





#39

cis-1,3-Dichloropropene

Concen: 1.056 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU051150.D

Acq: 06 Oct 2022 01:04

Instrument :

MSVOA_U

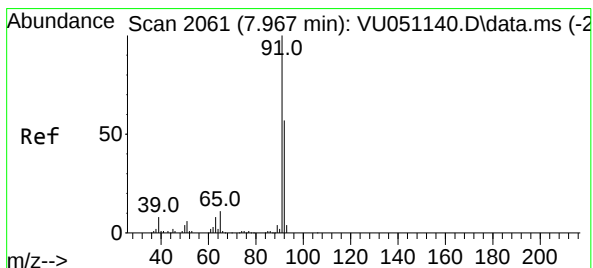
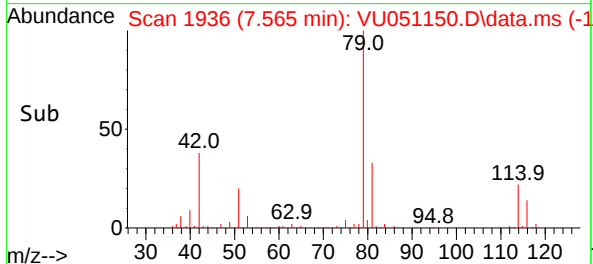
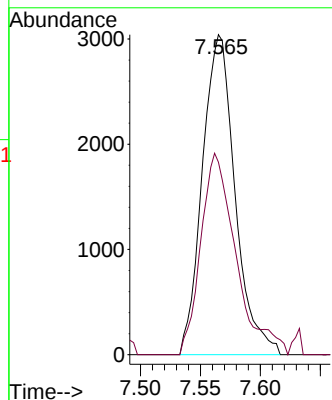
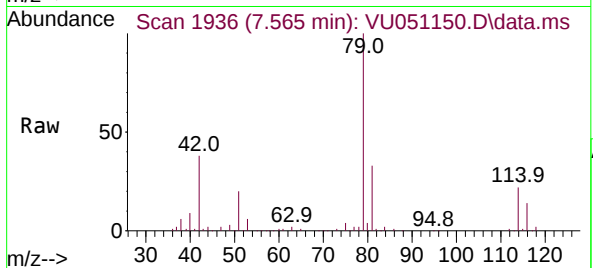
ClientSampleId :

Tgt Ion: 75 Resp: 5768

Ion Ratio Lower Upper

75 100

77 60.1 22.0 41.0#



#42

Toluene

Concen: 65.886 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU051150.D

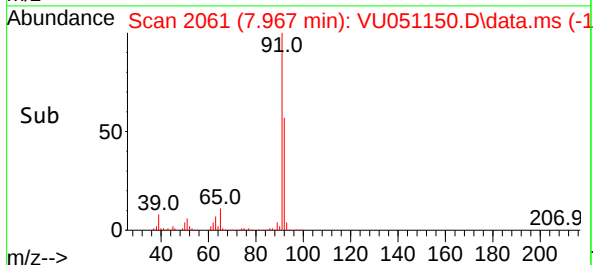
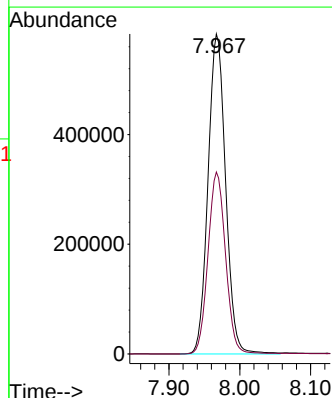
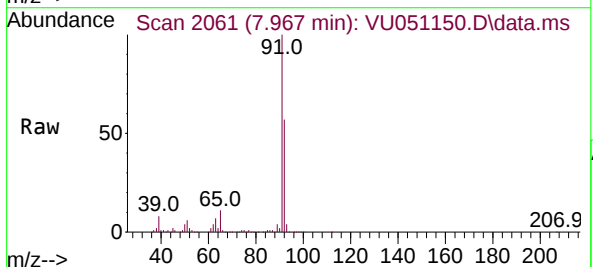
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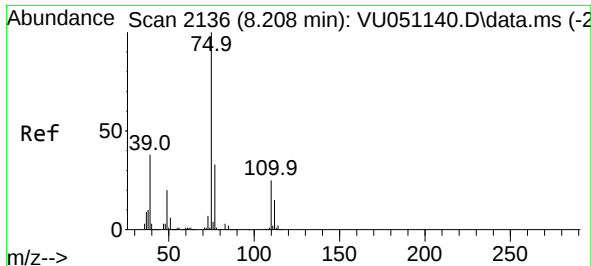
Tgt Ion: 91 Resp: 1003336

Ion Ratio Lower Upper

91 100

92 56.8 40.1 74.5

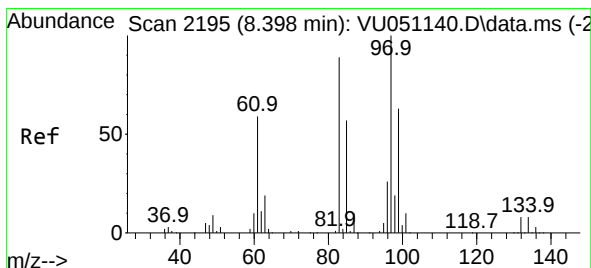
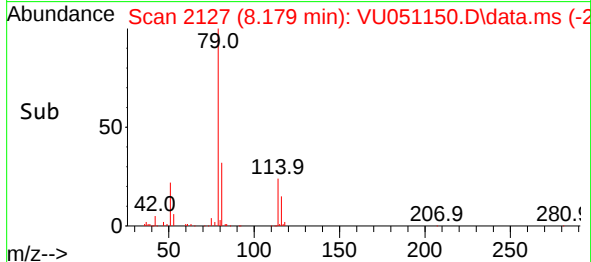
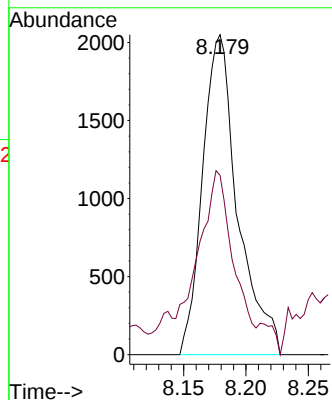
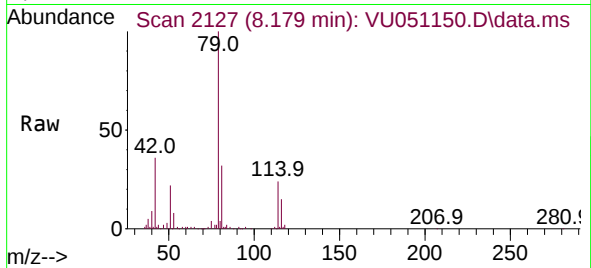




#44
trans-1,3-Dichloropropene
Concen: 0.728 ug/L
RT: 8.179 min Scan# 2136
Delta R.T. -0.029 min
Lab File: VU051150.D
Acq: 06 Oct 2022 01:04

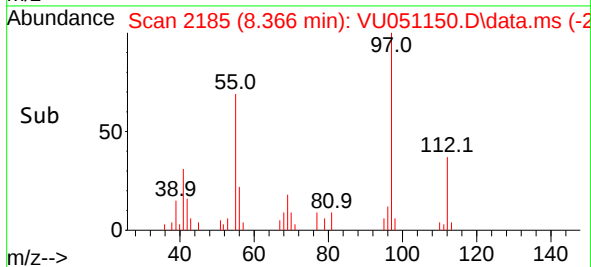
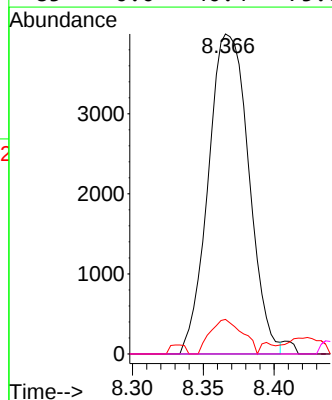
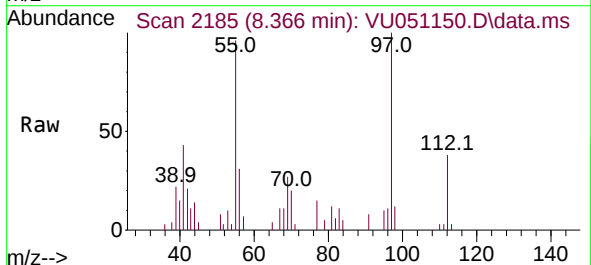
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MSVOA_U
ClientSampleId :

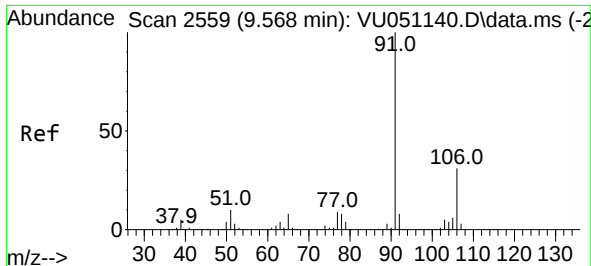
Tgt Ion: 75 Resp: 4018
Ion Ratio Lower Upper
75 100
77 56.0 22.7 42.3#



#45
1,1,2-Trichloroethane
Concen: 1.902 ug/L
RT: 8.366 min Scan# 2185
Delta R.T. -0.032 min
Lab File: VU051150.D
Acq: 06 Oct 2022 01:04

Tgt Ion: 97 Resp: 7941
Ion Ratio Lower Upper
97 100
99 0.0 44.4 82.4#
83 10.8 61.7 114.5#
85 0.0 40.4 75.0#

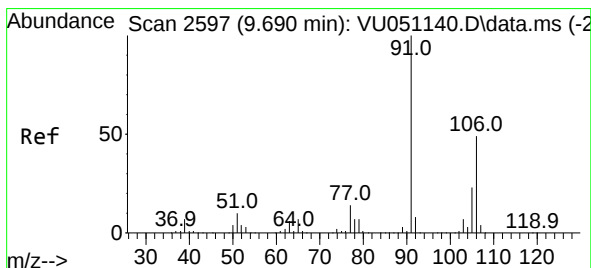
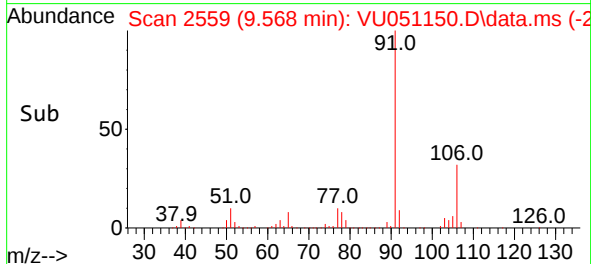
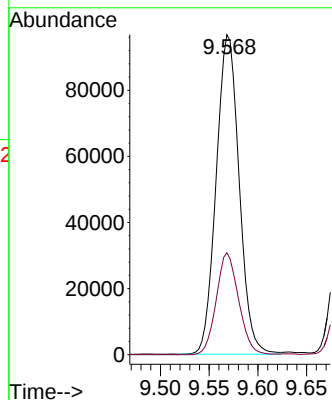
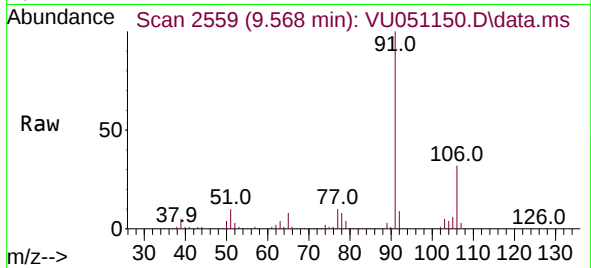




#52
Ethylbenzene
Concen: 9.747 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051150.D
Acq: 06 Oct 2022 01:04

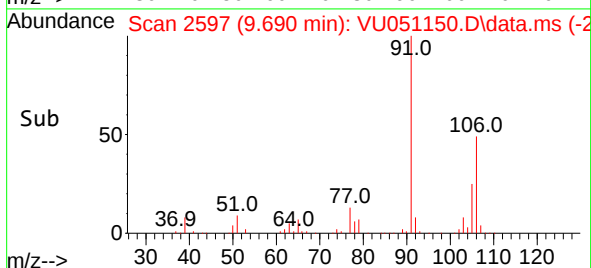
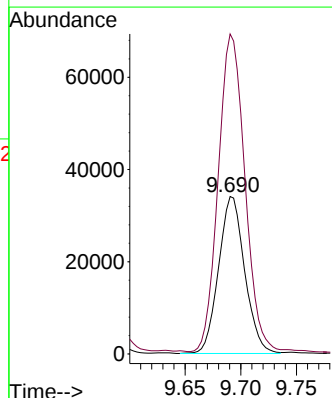
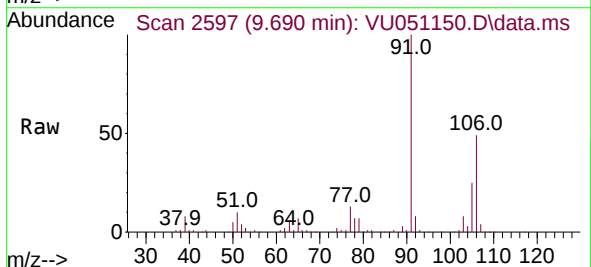
Instrument :
MSVOA_U
ClientSampleId :

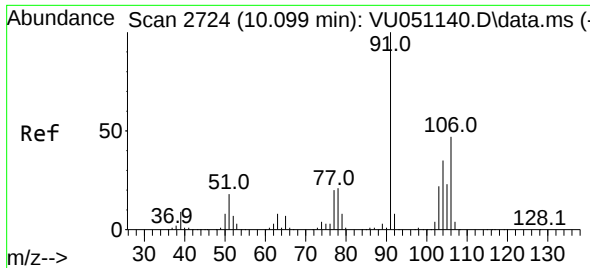
Tgt Ion: 91 Resp: 158323
Ion Ratio Lower Upper
91 100
106 31.8 21.7 40.3



#53
m,p-Xylene
Concen: 9.073 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU051150.D
Acq: 06 Oct 2022 01:04

Tgt Ion: 106 Resp: 55421
Ion Ratio Lower Upper
106 100
91 203.2 141.9 263.5

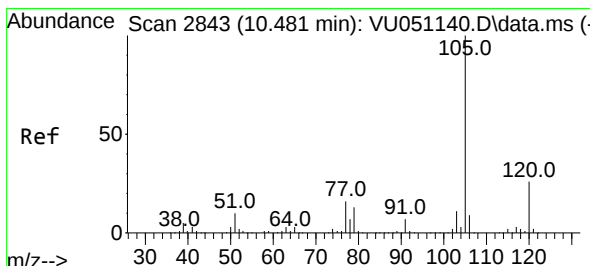
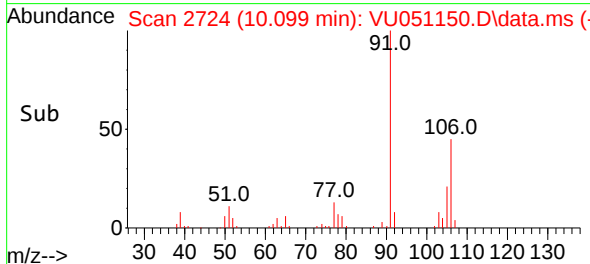
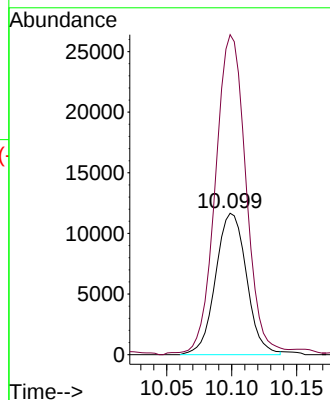
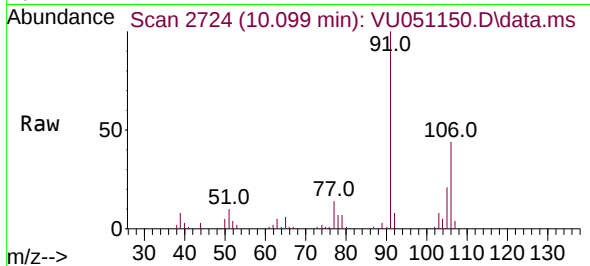




#54
o-Xylene
Concen: 3.165 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051150.D
Acq: 06 Oct 2022 01:04

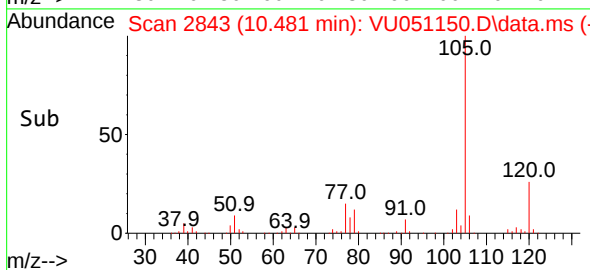
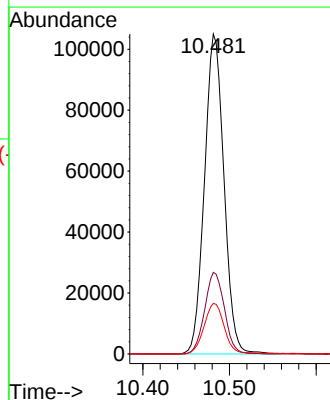
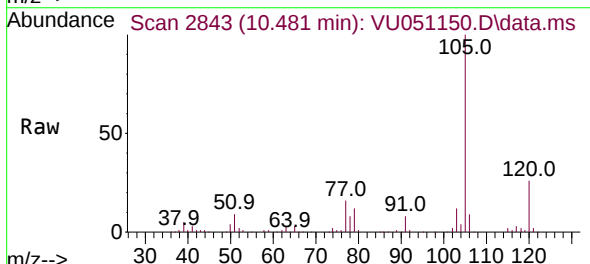
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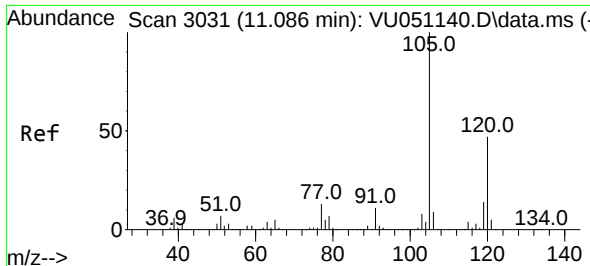
Tgt Ion:106 Resp: 19321
Ion Ratio Lower Upper
106 100
91 226.3 152.4 283.0



#61
Isopropylbenzene
Concen: 11.304 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU051150.D
Acq: 06 Oct 2022 01:04

Tgt Ion:105 Resp: 164049
Ion Ratio Lower Upper
105 100
120 25.8 21.1 31.7
77 16.5 12.8 19.2

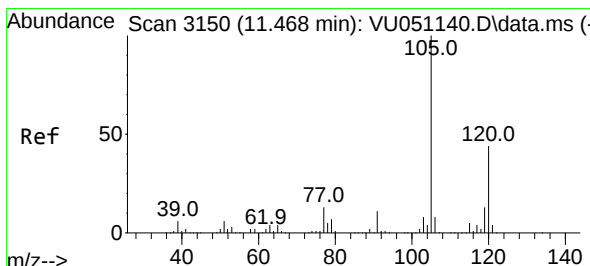
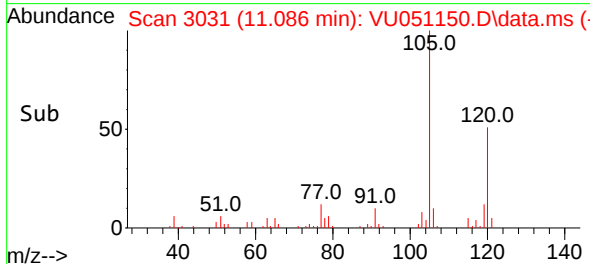
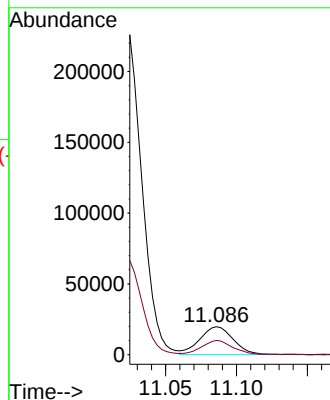
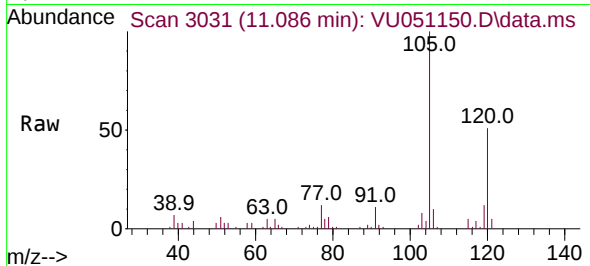




#62
 1,3,5-Trimethylbenzene
 Concen: 2.689 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. 0.000 min
 Lab File: VU051150.D
 Acq: 06 Oct 2022 01:04

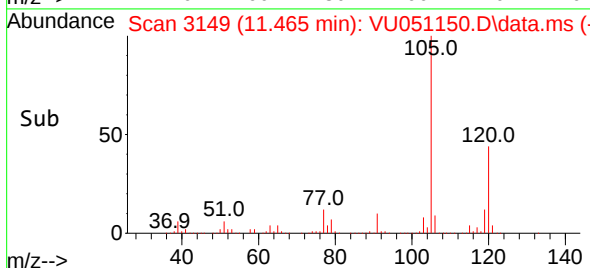
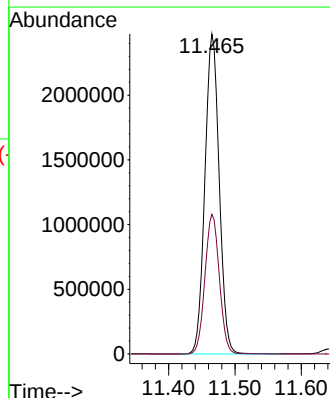
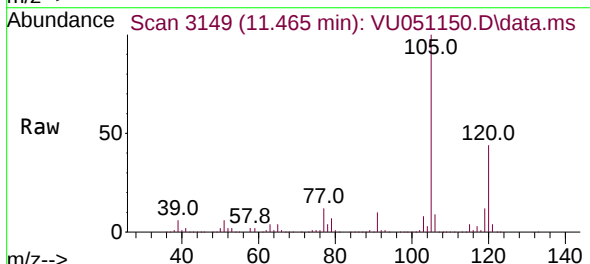
Instrument :
 MSVOA_U
 ClientSampleId :

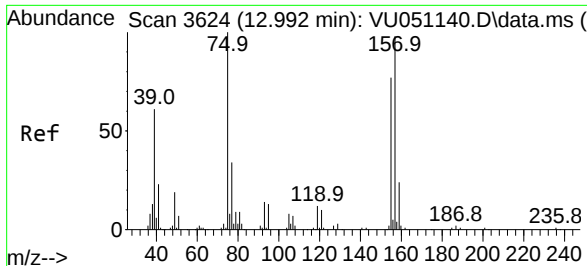
Tgt Ion:105 Resp: 31912
 Ion Ratio Lower Upper
 105 100
 120 48.5 37.8 56.8



#63
 1,2,4-Trimethylbenzene
 Concen: 311.442 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.003 min
 Lab File: VU051150.D
 Acq: 06 Oct 2022 01:04

Tgt Ion:105 Resp: 3704254
 Ion Ratio Lower Upper
 105 100
 120 44.0 35.5 53.3

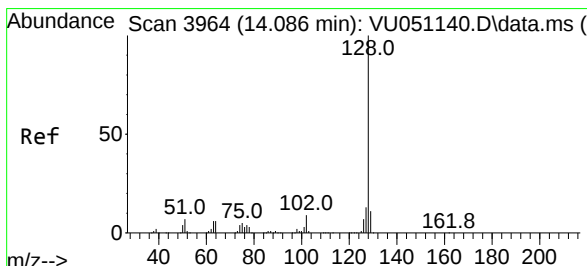
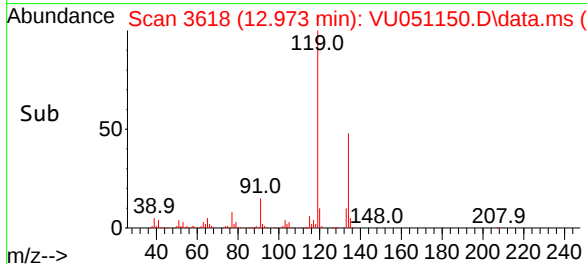
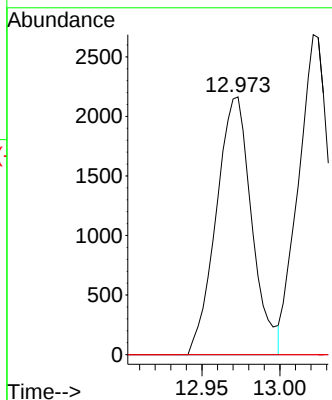
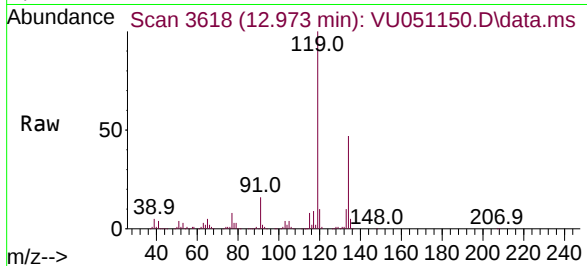




#68
1,2-Dibromo-3-chloropropane
Concen: 2.007 ug/L
RT: 12.973 min Scan# 3618
Delta R.T. -0.019 min
Lab File: VU051150.D
Acq: 06 Oct 2022 01:04

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 3443
Ion Ratio Lower Upper
75 100
155 0.0 64.4 96.6#
157 0.0 82.2 123.2#



#71
Naphthalene
Concen: 19.506 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU051150.D
Acq: 06 Oct 2022 01:04

Tgt Ion:128 Resp: 289802
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 11.8 8.6 13.0

