

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020823\
 Data File : VU052999.D
 Acq On : 08 Feb 2023 13:35
 Operator : JC/MD
 Sample : VSTD20078
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200077

Quant Time: Feb 09 00:36:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 09 00:33:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	320142	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	310380	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	183007	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	609440	249.588	ug/L	0.00
7) Chloroethane-d5	1.913	69	494862	248.151	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.566	63	918661	200.819	ug/L	0.00
21) 2-Butanone-d5	4.624	46	482637	353.333	ug/L	0.00
24) Chloroform-d	5.058	84	983656	199.493	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	594520	192.102	ug/L	0.00
32) Benzene-d6	5.723	84	2072664	214.897	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	627921	220.093	ug/L	0.00
41) Toluene-d8	7.894	98	2048974	229.905	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.173	79	357481	243.988	ug/L	0.00
47) 2-Hexanone-d5	8.630	63	415117	430.730	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.752	84	907088	217.275	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	859161	234.804	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	500275	171.025	ug/L	100
3) Chloromethane	1.518	50	450653	183.747	ug/L	99
5) Vinyl chloride	1.605	62	562918	203.584	ug/L	97
6) Bromomethane	1.859	94	405793	228.572	ug/L	100
8) Chloroethane	1.933	64	349889	202.097	ug/L	97
9) Trichlorofluoromethane	2.135	101	870193	190.612	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	436695	173.304	ug/L	98
12) 1,1-Dichloroethene	2.579	96	420191	180.619	ug/L	93
13) Acetone	2.640	43	333546	207.304	ug/L	94
14) Carbon disulfide	2.791	76	1233461	175.887	ug/L	99
16) Methylene chloride	3.042	84	463645	168.512	ug/L	94
17) trans-1,2-Dichloroethene	3.351	96	451185	180.418	ug/L	96
18) Methyl tert-butyl Ether	3.357	73	1400616	189.253	ug/L	98
19) 1,1-Dichloroethane	3.865	63	756876	173.366	ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	506867	188.015	ug/L #	94
22) 2-Butanone	4.704	43	450676	261.447	ug/L	87
23) Bromochloromethane	4.968	128	270825	180.605	ug/L	96
25) Chloroform	5.084	83	869356	177.110	ug/L	99
27) 1,2-Dichloroethane	5.788	62	613808	161.159	ug/L	99
29) Cyclohexane	5.386	56	673821	185.178	ug/L	95
30) 1,1,1-Trichloroethane	5.312	97	770556	172.372	ug/L	99
31) Carbon tetrachloride	5.521	117	683716	176.323	ug/L	99
33) Benzene	5.772	78	1850839	178.342	ug/L	100
34) Trichloroethene	6.537	95	503481	188.071	ug/L	99
35) Methylcyclohexane	6.759	83	842444	197.722	ug/L	94
37) 1,2-Dichloropropane	6.788	63	463309	180.921	ug/L	98
38) Bromodichloromethane	7.100	83	671021	177.741	ug/L	99
39) cis-1,3-Dichloropropene	7.601	75	832877	204.096	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	913171	315.930	ug/L	94
42) Toluene	7.964	91	2097155	194.571	ug/L	96
44) trans-1,3-Dichloropropene	8.206	75	796662	199.277	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	480025	182.879	ug/L	99

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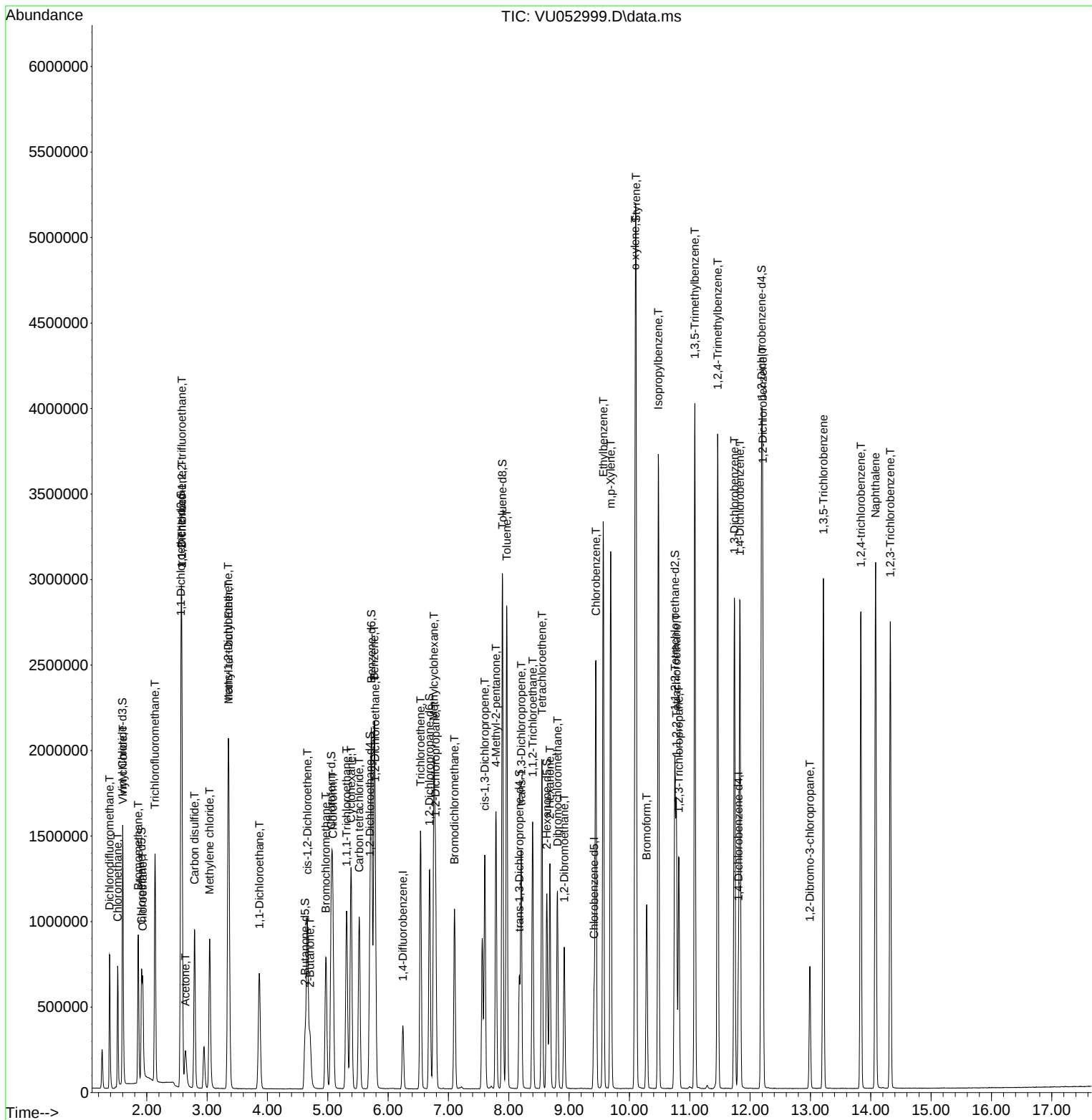
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200077

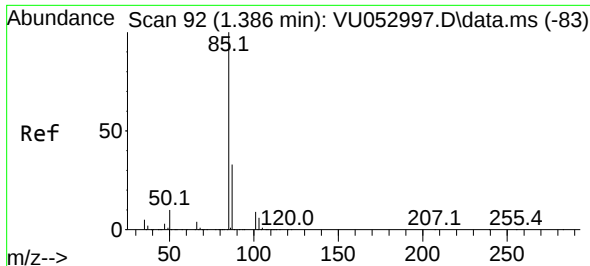
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Tetrachloroethene	8.550	164	409828	180.685	ug/L	97
48) 2-Hexanone	8.681	43	724594	299.129	ug/L	93
49) Dibromochloromethane	8.807	129	597244	189.196	ug/L	99
50) 1,2-Dibromoethane	8.919	107	537230	189.073	ug/L	98
51) Chlorobenzene	9.444	112	1390240	188.177	ug/L	98
52) Ethylbenzene	9.566	91	2357592	203.477	ug/L	99
53) m,p-Xylene	9.691	106	935127	200.475	ug/L	97
54) o-xylene	10.096	106	931389	208.976	ug/L	94
55) Styrene	10.109	104	1599777	209.624	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	775137	183.828	ug/L	99
59) Bromoform	10.286	173	481179	192.958	ug/L	97
60) 1,2,3-Trichloropropane	10.820	75	568441	164.514	ug/L	98
61) Isopropylbenzene	10.479	105	2426555	204.270	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	2173288	217.937	ug/L	96
63) 1,2,4-Trimethylbenzene	11.463	105	2132833	221.118	ug/L	97
64) 1,3-Dichlorobenzene	11.739	146	1163023	195.273	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	1166215	190.096	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	1160228	194.146	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	181622	181.563	ug/L	94
69) 1,3,5-Trichlorobenzene	13.215	180	933655	208.760	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	858377	225.703	ug/L	98
71) Naphthalene	14.080	128	2502838	230.236	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	844496	213.687	ug/L	98

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

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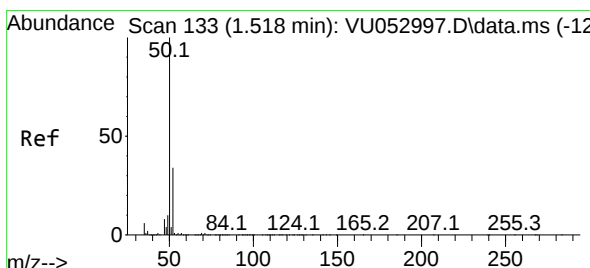
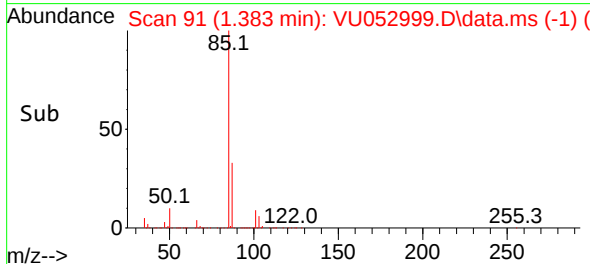
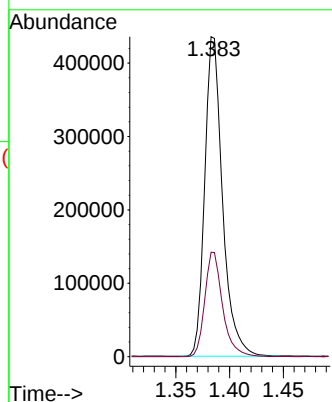
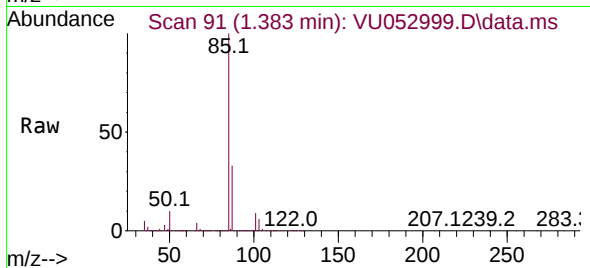




#2
 Dichlorodifluoromethane
 Concen: 171.025 ug/L
 RT: 1.383 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU052999.D
 Acq: 08 Feb 2023 13:35

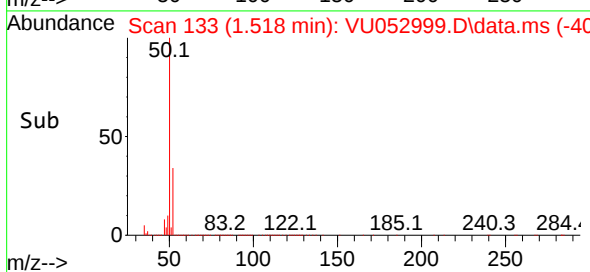
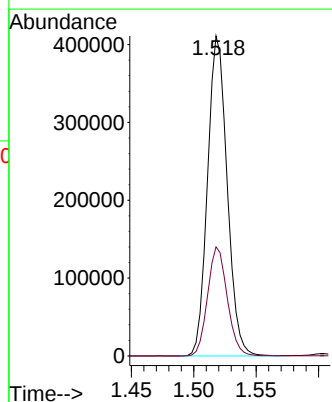
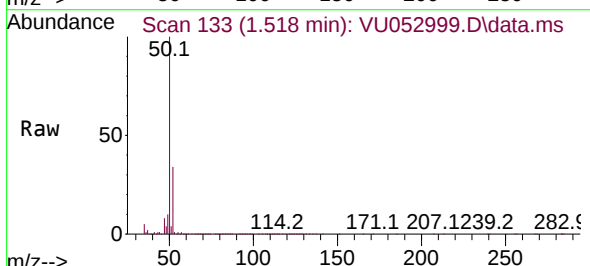
Instrument :
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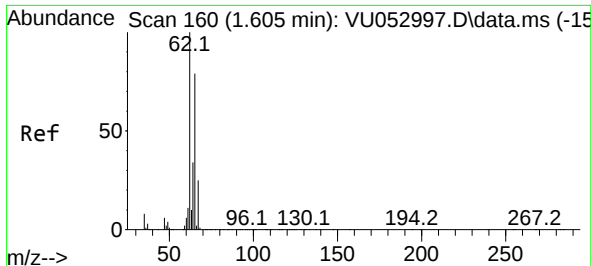
Tgt Ion: 85 Resp: 500275
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.4 39.6



#3
 Chloromethane
 Concen: 183.747 ug/L
 RT: 1.518 min Scan# 133
 Delta R.T. 0.000 min
 Lab File: VU052999.D
 Acq: 08 Feb 2023 13:35

Tgt Ion: 50 Resp: 450653
 Ion Ratio Lower Upper
 50 100
 52 34.1 23.4 43.4

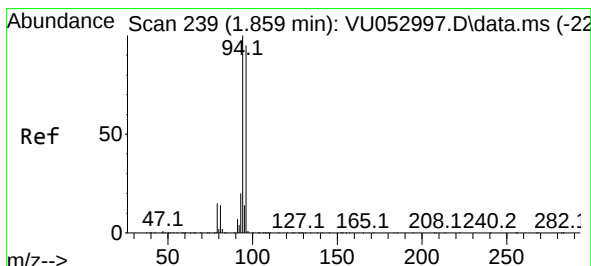
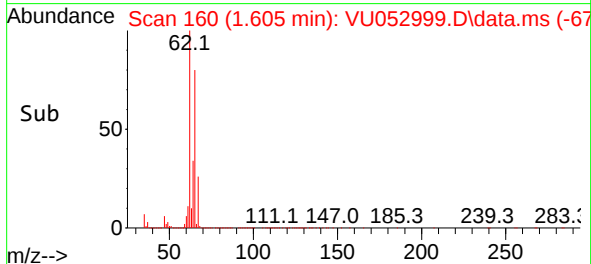
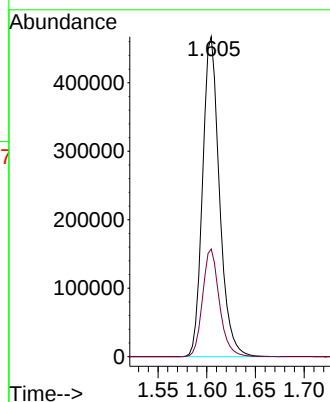
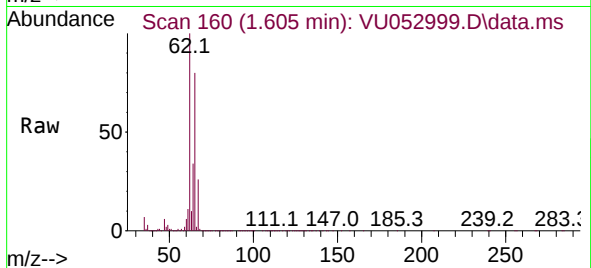




#5
 Vinyl chloride
 Concen: 203.584 ug/L
 RT: 1.605 min Scan# 160
 Delta R.T. -0.000 min
 Lab File: VU052999.D
 Acq: 08 Feb 2023 13:35

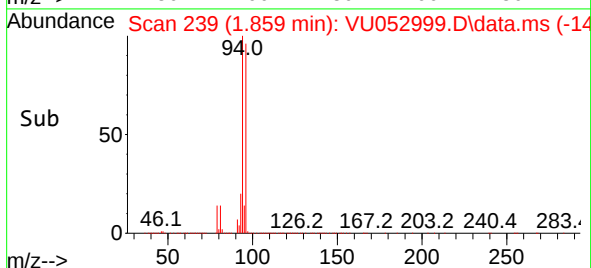
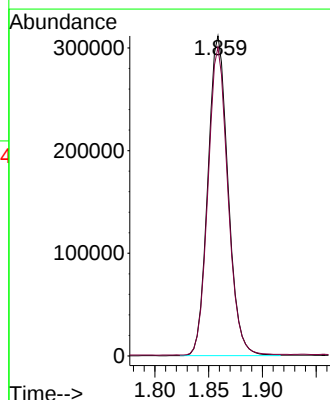
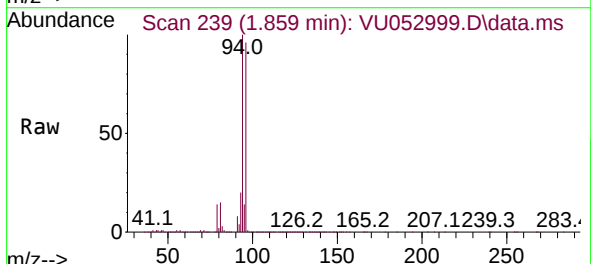
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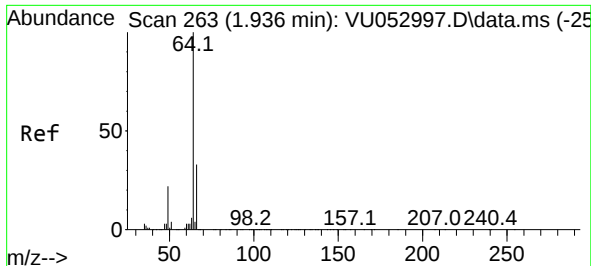
Tgt Ion: 62 Resp: 562918
 Ion Ratio Lower Upper
 62 100
 64 33.7 22.4 41.6



#6
 Bromomethane
 Concen: 228.572 ug/L
 RT: 1.859 min Scan# 239
 Delta R.T. -0.000 min
 Lab File: VU052999.D
 Acq: 08 Feb 2023 13:35

Tgt Ion: 94 Resp: 405793
 Ion Ratio Lower Upper
 94 100
 96 96.5 67.8 125.8

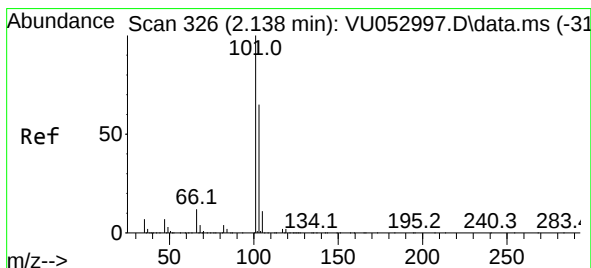
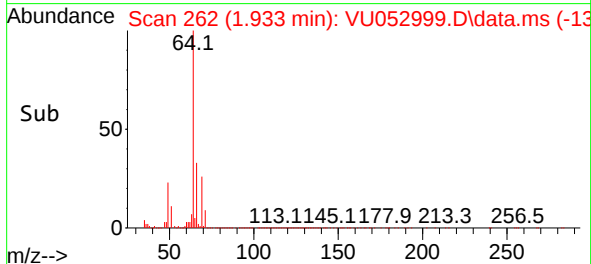
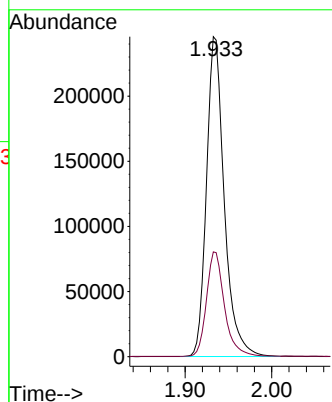
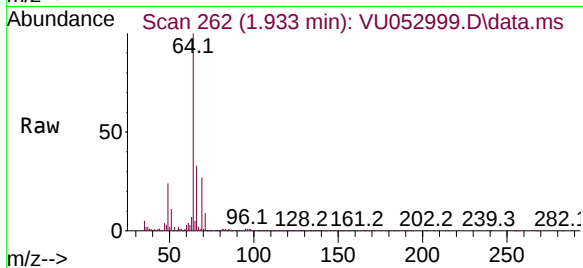




#8
Chloroethane
Concen: 202.097 ug/L
RT: 1.933 min Scan# 20
Delta R.T. -0.003 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

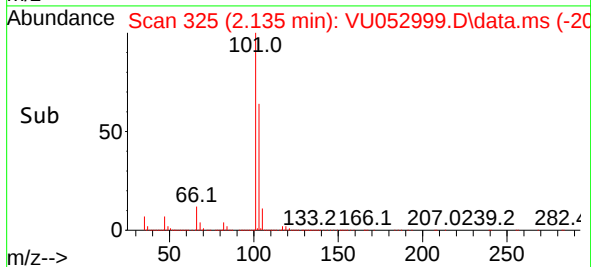
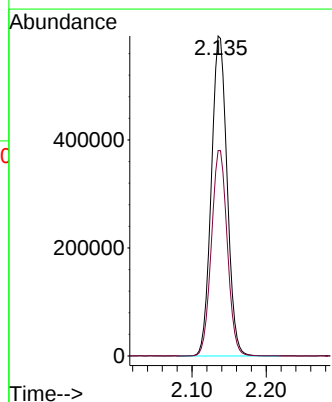
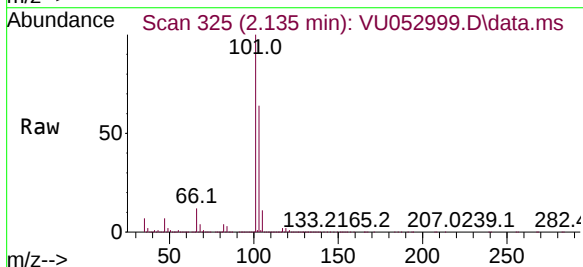
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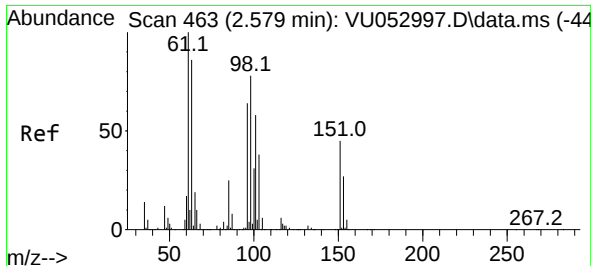
Tgt Ion: 64 Resp: 349889
Ion Ratio Lower Upper
64 100
66 32.8 24.1 44.7



#9
Trichlorofluoromethane
Concen: 190.612 ug/L
RT: 2.135 min Scan# 325
Delta R.T. -0.003 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

Tgt Ion: 101 Resp: 870193
Ion Ratio Lower Upper
101 100
103 64.8 52.0 78.0

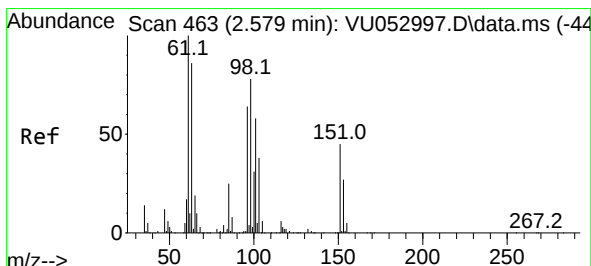
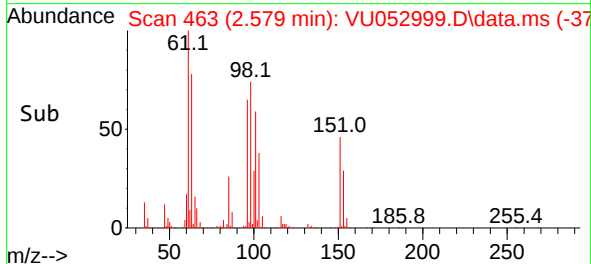
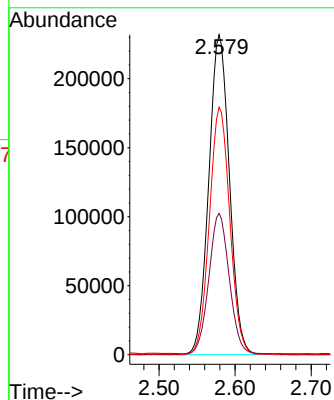
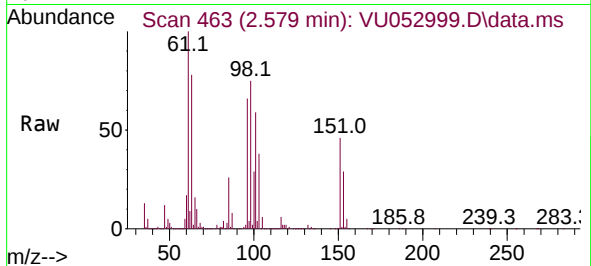




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 173.304 ug/L
RT: 2.579 min Scan# 463
Delta R.T. 0.000 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

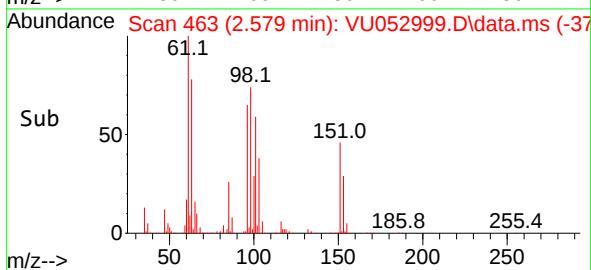
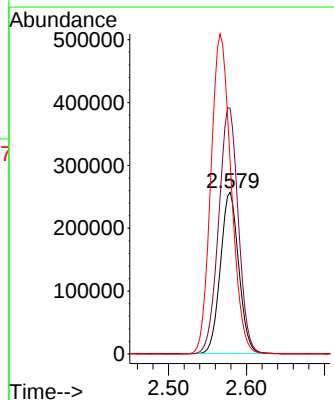
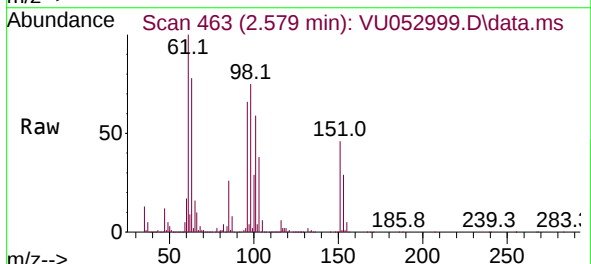
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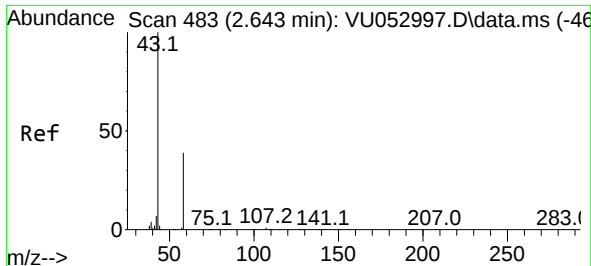
Tgt Ion:101 Resp: 436695
Ion Ratio Lower Upper
101 100
85 43.1 32.9 49.3
151 76.6 62.6 94.0



#12
1,1-Dichloroethene
Concen: 180.619 ug/L
RT: 2.579 min Scan# 463
Delta R.T. 0.000 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

Tgt Ion: 96 Resp: 420191
Ion Ratio Lower Upper
96 100
61 152.1 114.3 212.3
63 119.4 80.6 149.6

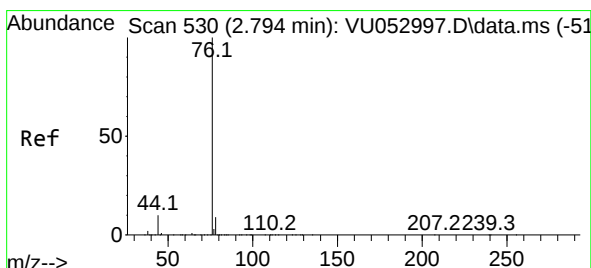
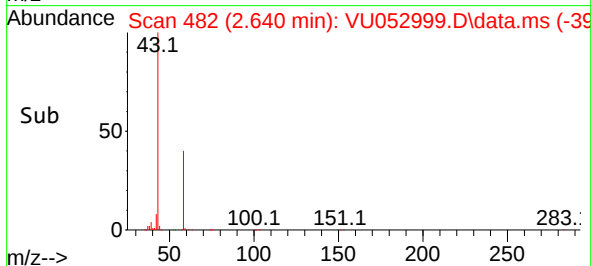
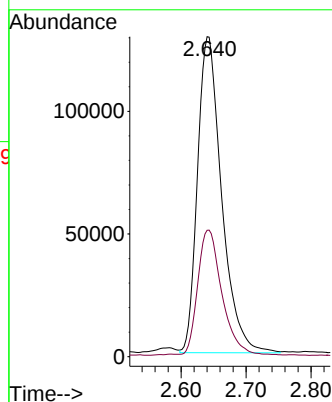
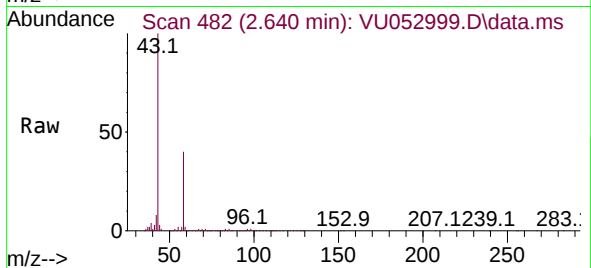




#13
Acetone
Concen: 207.304 ug/L
RT: 2.640 min Scan# 41
Delta R.T. -0.003 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

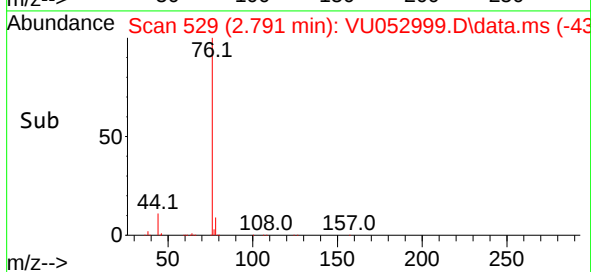
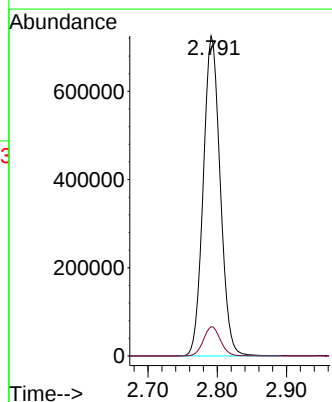
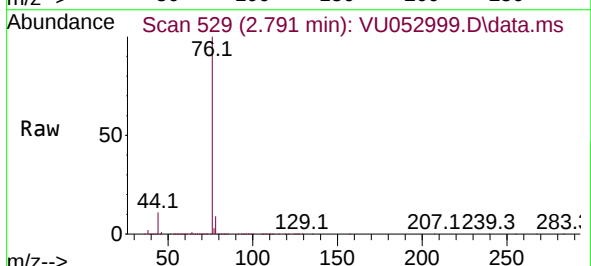
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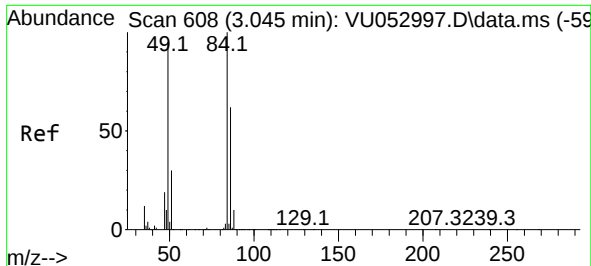
Tgt Ion: 43 Resp: 333546
Ion Ratio Lower Upper
43 100
58 38.8 0.0 70.2



#14
Carbon disulfide
Concen: 175.887 ug/L
RT: 2.791 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

Tgt Ion: 76 Resp: 1233461
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

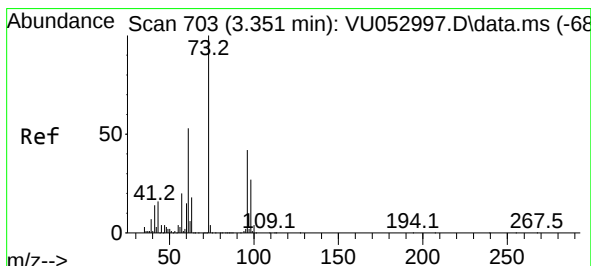
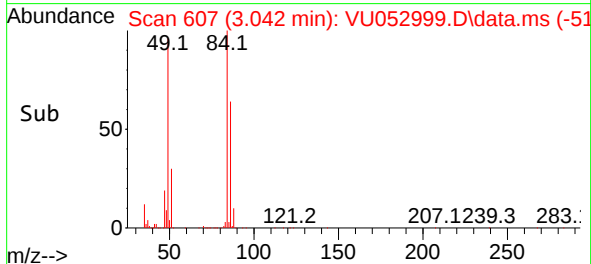
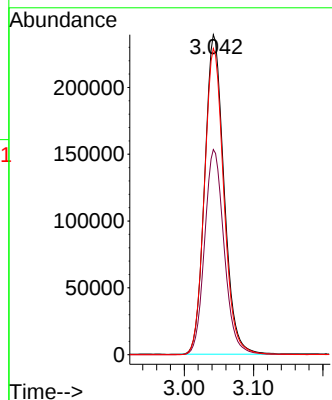
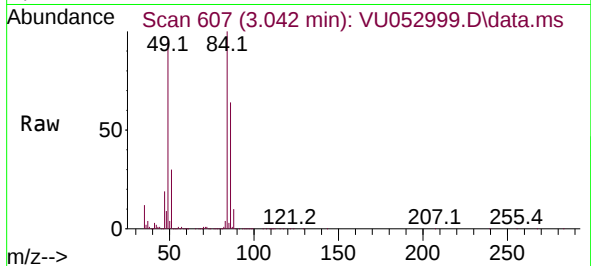




#16
Methylene chloride
Concen: 168.512 ug/L
RT: 3.042 min Scan# 608
Delta R.T. -0.003 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

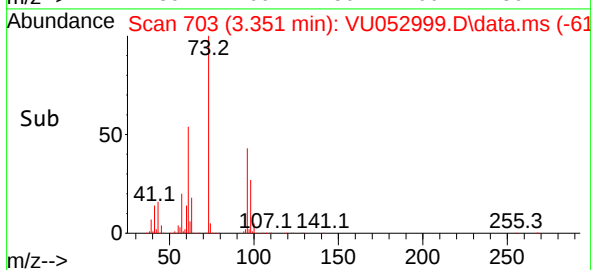
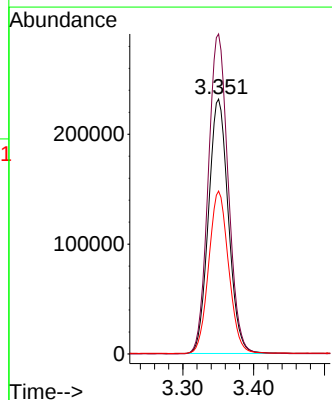
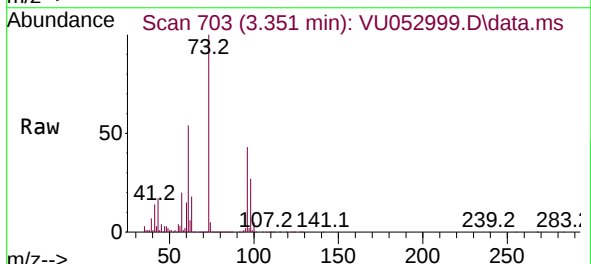
Instrument :
MSVOA_U
ClientSampleId :
VSTD200077

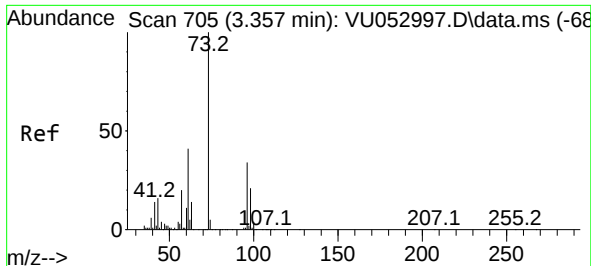
Tgt Ion: 84 Resp: 463645
Ion Ratio Lower Upper
84 100
86 64.1 43.4 80.6
49 95.7 72.4 134.5



#17
trans-1,2-Dichloroethene
Concen: 180.418 ug/L
RT: 3.351 min Scan# 703
Delta R.T. -0.000 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

Tgt Ion: 96 Resp: 451185
Ion Ratio Lower Upper
96 100
61 125.5 92.7 172.3
98 63.9 44.7 82.9





#18

Methyl tert-butyl Ether

Concen: 189.253 ug/L

RT: 3.357 min Scan# 705

Delta R.T. -0.000 min

Lab File: VU052999.D

Acq: 08 Feb 2023 13:35

Instrument :

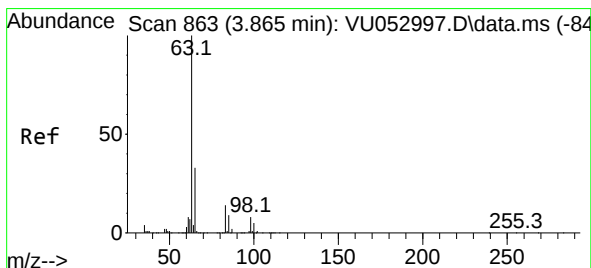
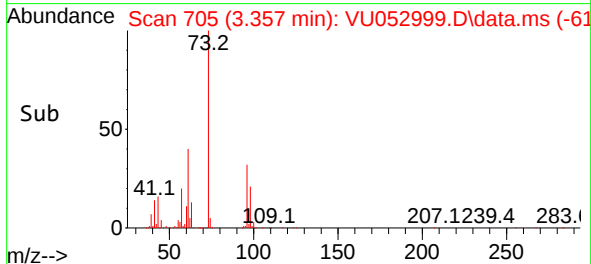
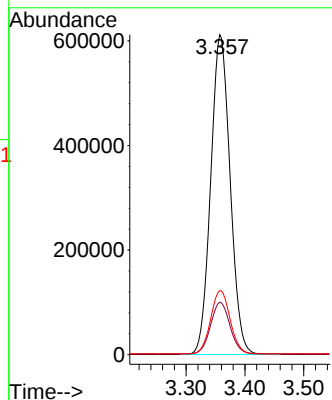
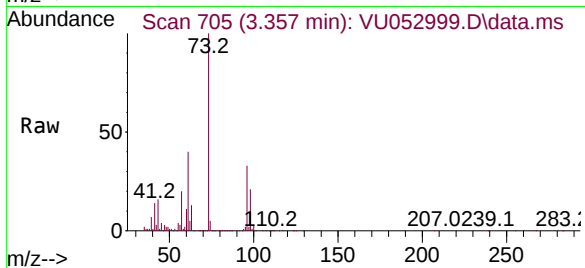
MSVOA_U

ClientSampleId :

VSTD200077

Tgt Ion: 73 Resp: 1400616

Ion	Ratio	Lower	Upper
73	100		
43	16.1	14.2	21.2
57	19.8	16.3	24.5



#19

1,1-Dichloroethane

Concen: 173.366 ug/L

RT: 3.865 min Scan# 863

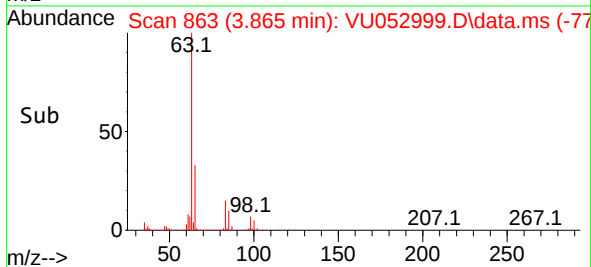
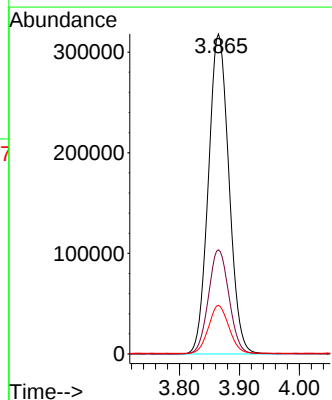
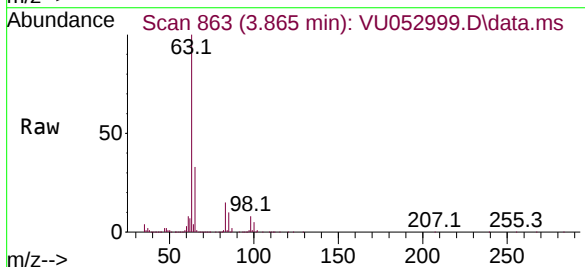
Delta R.T. -0.000 min

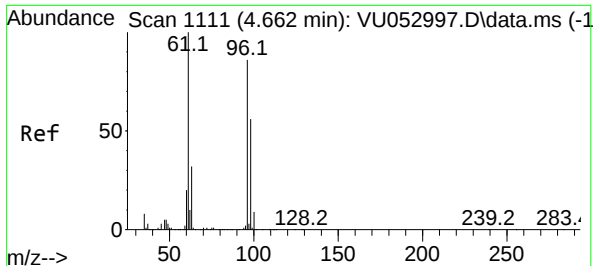
Lab File: VU052999.D

Acq: 08 Feb 2023 13:35

Tgt Ion: 63 Resp: 756876

Ion	Ratio	Lower	Upper
63	100		
65	32.5	22.4	41.6
83	15.2	9.2	17.2

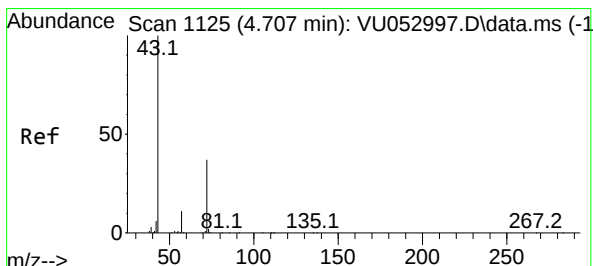
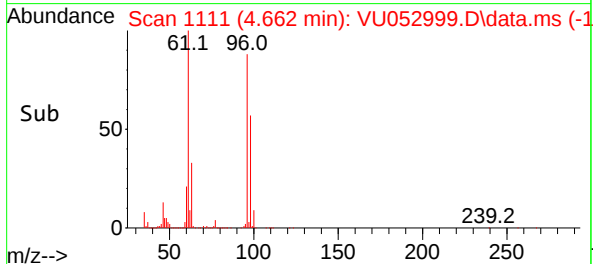
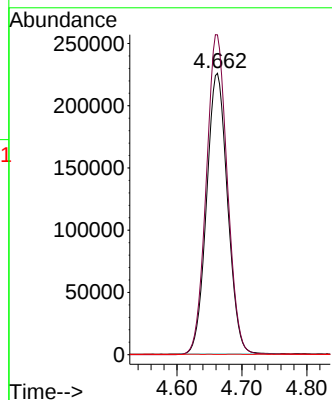
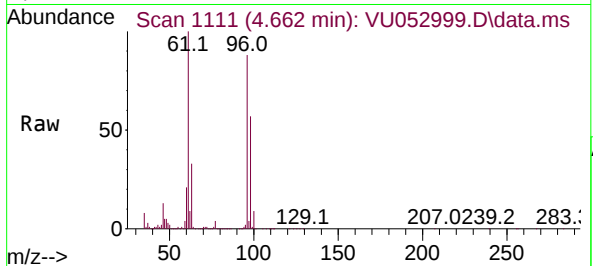




#20
cis-1,2-Dichloroethene
Concen: 188.015 ug/L
RT: 4.662 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

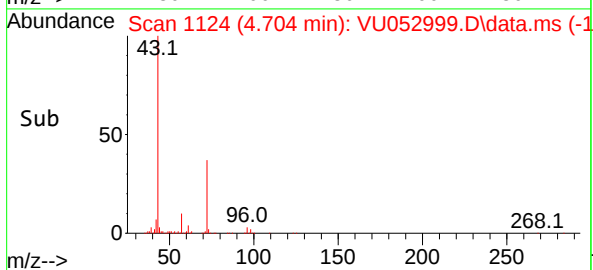
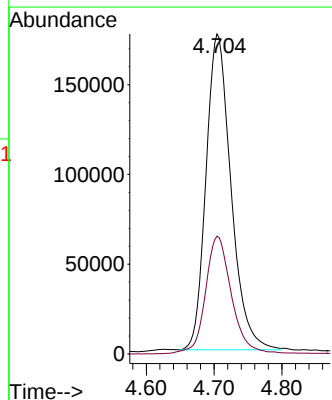
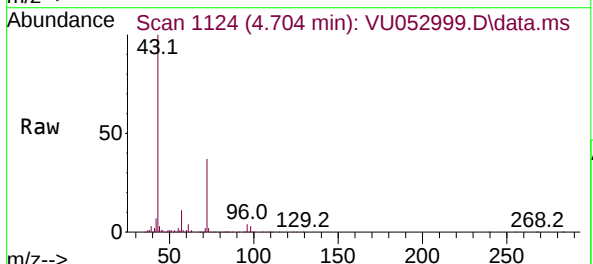
Instrument :
MSVOA_U
ClientSampleId :
VSTD200077

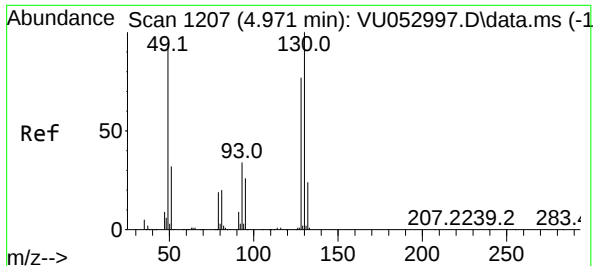
Tgt Ion: 96 Resp: 506867
Ion Ratio Lower Upper
96 100
61 113.6 84.1 156.1
68 0.1 0.0 0.0#



#22
2-Butanone
Concen: 261.447 ug/L
RT: 4.704 min Scan# 1124
Delta R.T. -0.003 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

Tgt Ion: 43 Resp: 450676
Ion Ratio Lower Upper
43 100
72 38.3 15.5 46.5

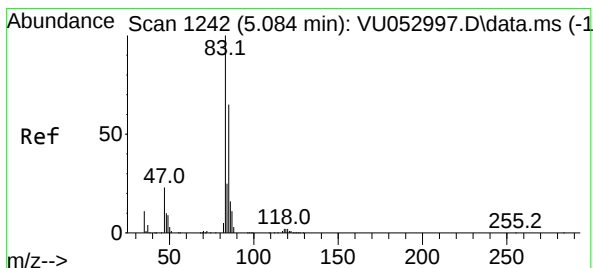
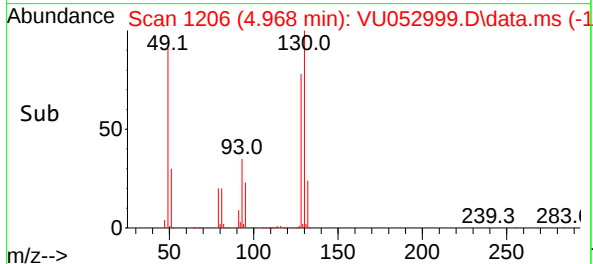
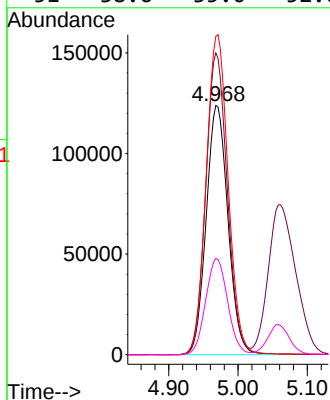
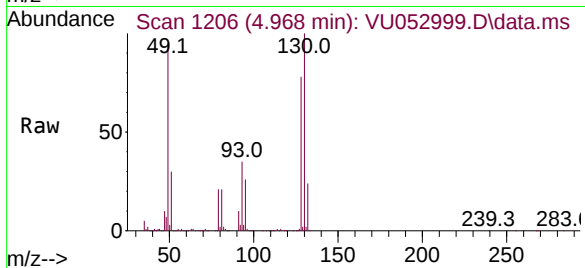




#23
Bromochloromethane
Concen: 180.605 ug/L
RT: 4.968 min Scan# 1207
Delta R.T. -0.003 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

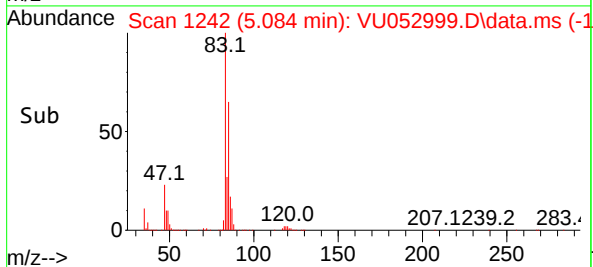
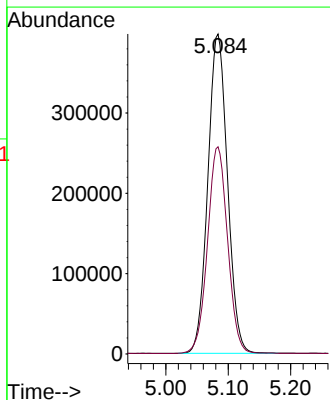
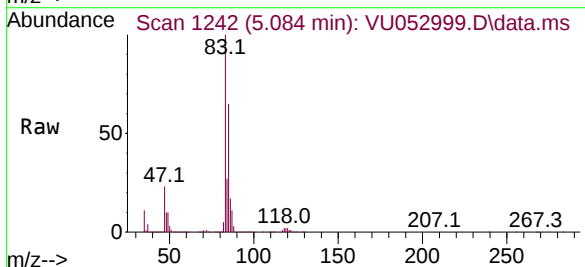
Instrument :
MSVOA_U
ClientSampleId :
VSTD200077

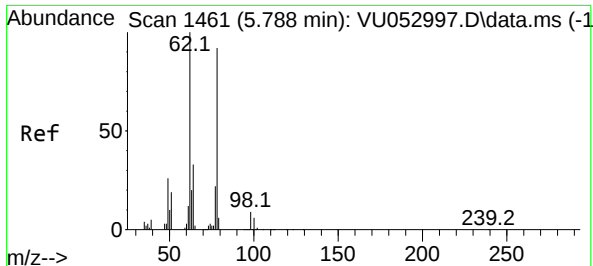
Tgt Ion:	128	Resp:	270825
Ion	Ratio	Lower	Upper
128	100		
49	121.2	90.1	167.3
130	127.7	90.1	167.3
51	38.6	35.0	52.6



#25
Chloroform
Concen: 177.110 ug/L
RT: 5.084 min Scan# 1242
Delta R.T. -0.000 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

Tgt Ion:	83	Resp:	869356
Ion	Ratio	Lower	Upper
83	100		
85	64.7	45.8	85.0

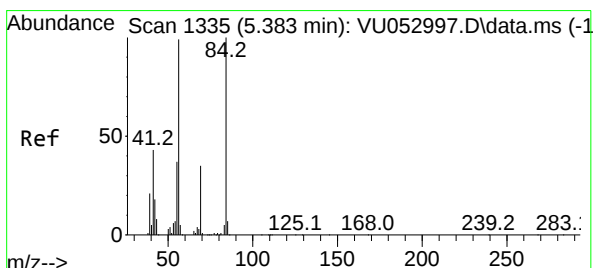
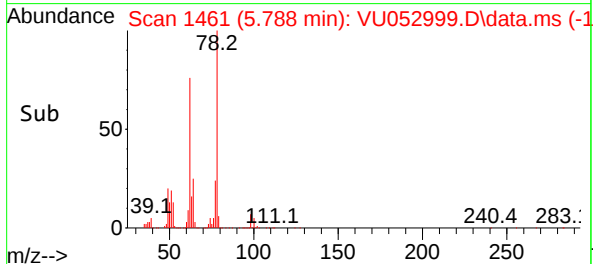
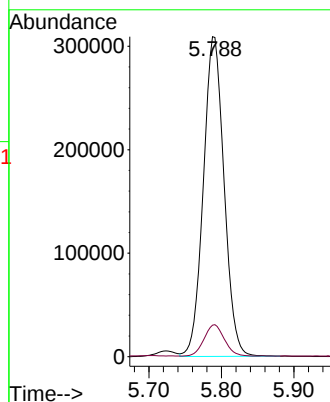
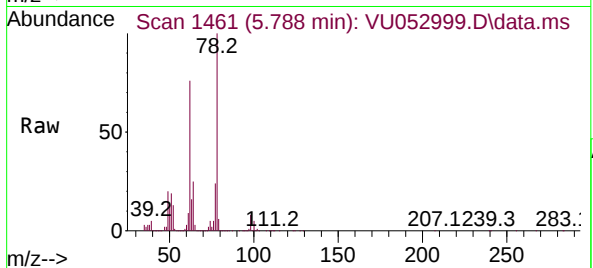




#27
1,2-Dichloroethane
Concen: 161.159 ug/L
RT: 5.788 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

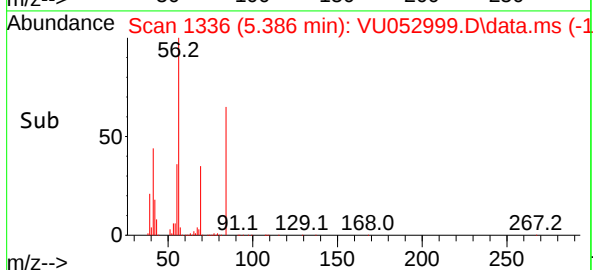
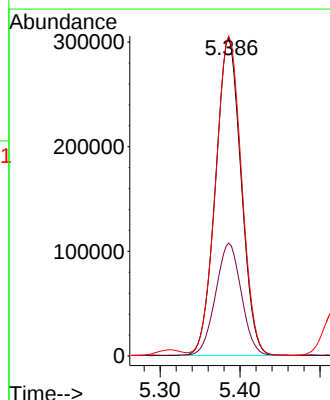
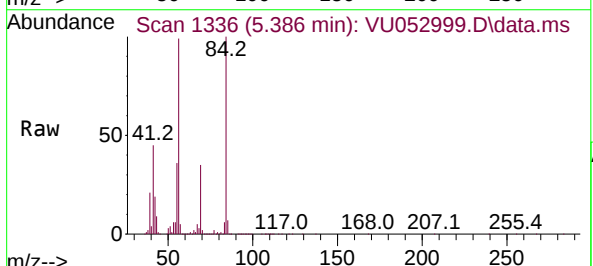
Instrument :
MSVOA_U
ClientSampleId :
VSTD200077

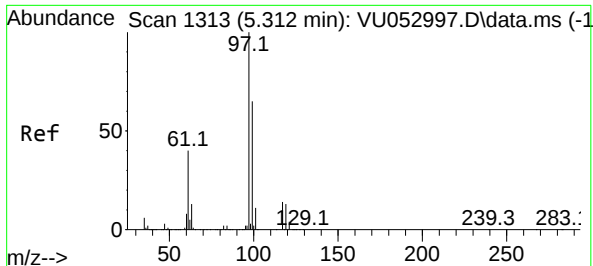
Tgt Ion: 62 Resp: 613808
Ion Ratio Lower Upper
62 100
98 9.9 7.6 11.4



#29
Cyclohexane
Concen: 185.178 ug/L
RT: 5.386 min Scan# 1336
Delta R.T. 0.003 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

Tgt Ion: 56 Resp: 673821
Ion Ratio Lower Upper
56 100
69 35.5 26.6 40.0
84 101.9 77.0 115.4





#30

1,1,1-Trichloroethane

Concen: 172.372 ug/L

RT: 5.312 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VU052999.D

Acq: 08 Feb 2023 13:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD200077

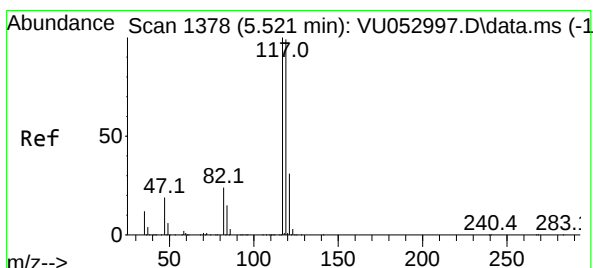
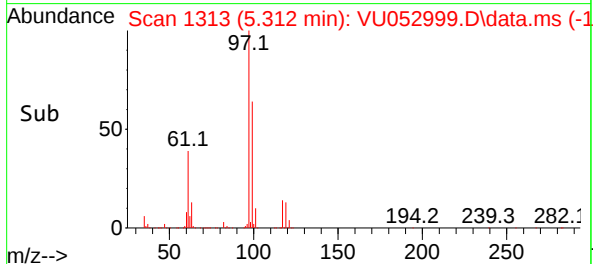
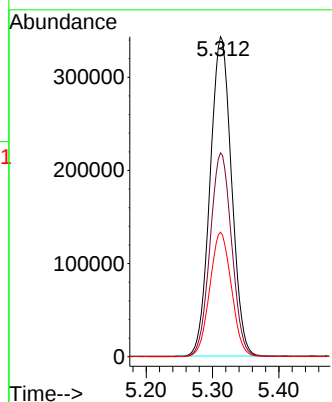
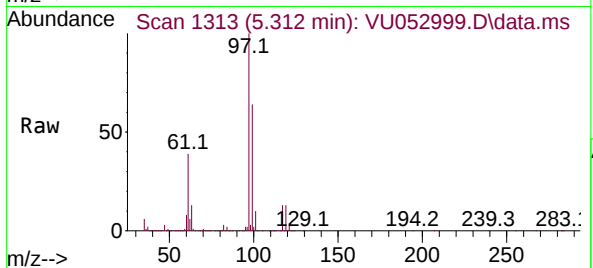
Tgt Ion: 97 Resp: 770556

Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.0

61 39.4 33.0 49.6



#31

Carbon tetrachloride

Concen: 176.323 ug/L

RT: 5.521 min Scan# 1378

Delta R.T. -0.000 min

Lab File: VU052999.D

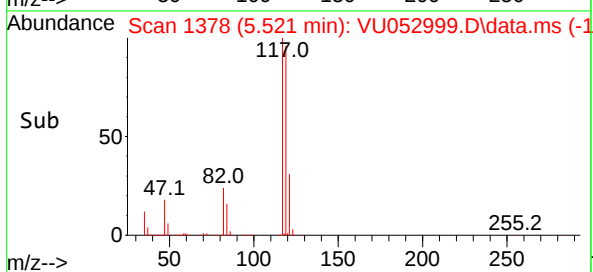
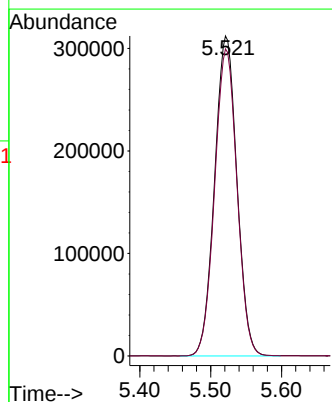
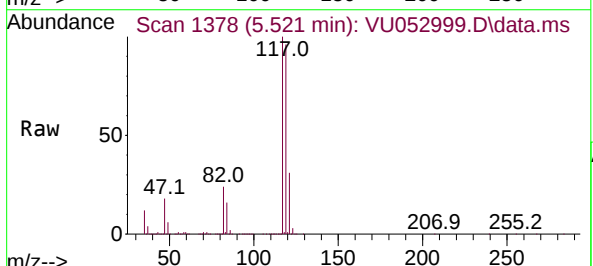
Acq: 08 Feb 2023 13:35

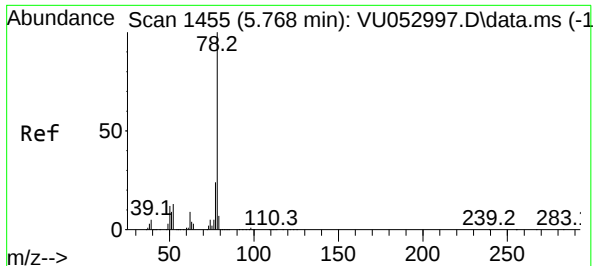
Tgt Ion: 117 Resp: 683716

Ion Ratio Lower Upper

117 100

119 95.9 76.2 114.4

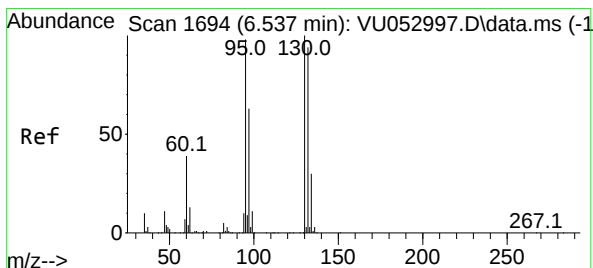
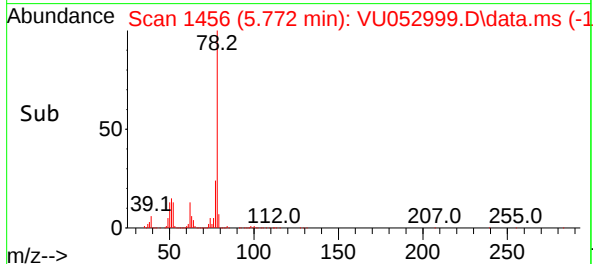
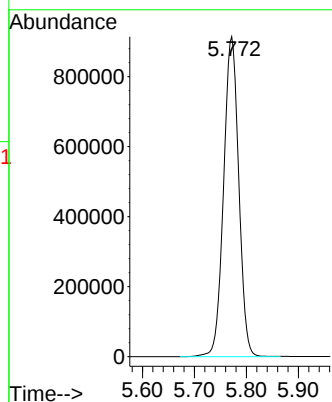
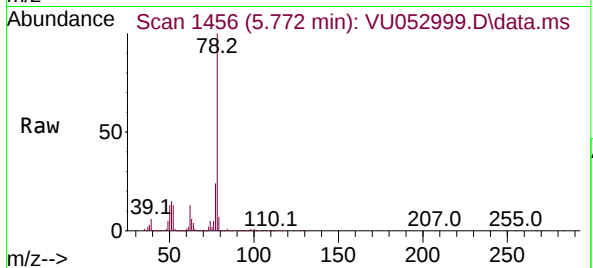




#33
Benzene
Concen: 178.342 ug/L
RT: 5.772 min Scan# 1455
Delta R.T. 0.003 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD200077

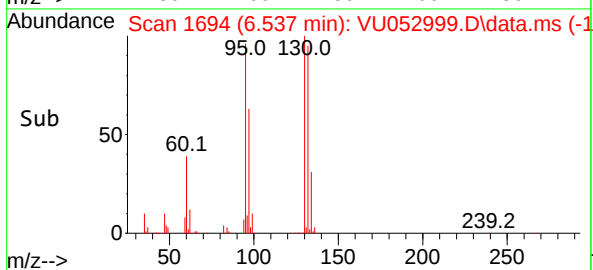
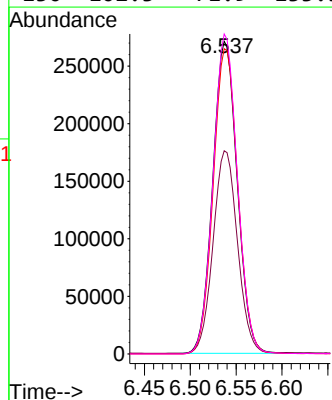
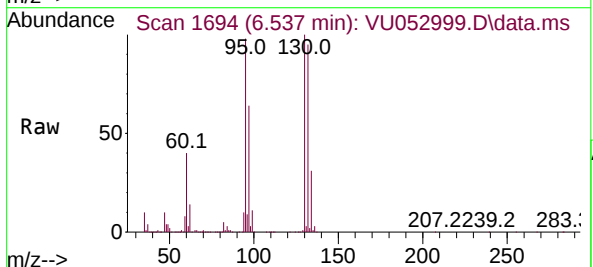
Tgt Ion: 78 Resp: 1850839

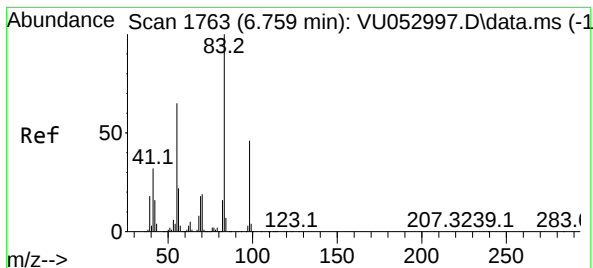


#34
Trichloroethene
Concen: 188.071 ug/L
RT: 6.537 min Scan# 1694
Delta R.T. -0.000 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

Tgt Ion: 95 Resp: 503481

Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.5	82.7
132	97.6	66.8	124.0
130	102.3	71.9	133.5





#35

Methylcyclohexane

Concen: 197.722 ug/L

RT: 6.759 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052999.D

Acq: 08 Feb 2023 13:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD200077

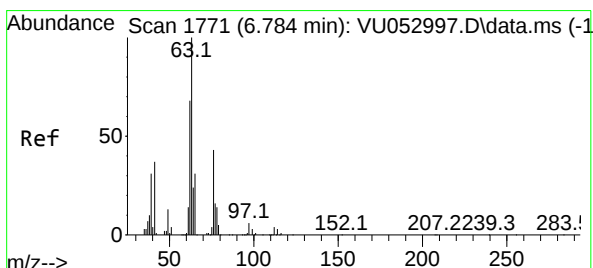
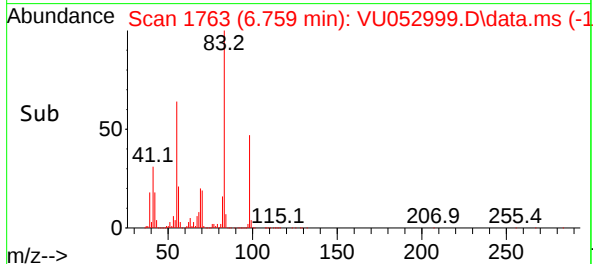
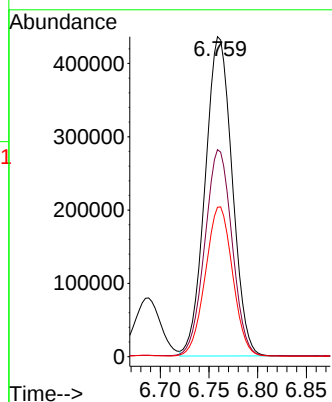
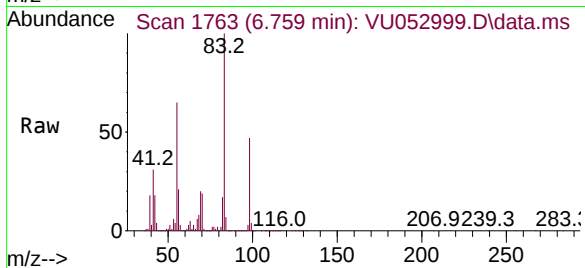
Tgt Ion: 83 Resp: 842444

Ion Ratio Lower Upper

83 100

55 64.8 57.1 85.7

98 47.2 38.9 58.3



#37

1,2-Dichloropropane

Concen: 180.921 ug/L

RT: 6.788 min Scan# 1772

Delta R.T. 0.003 min

Lab File: VU052999.D

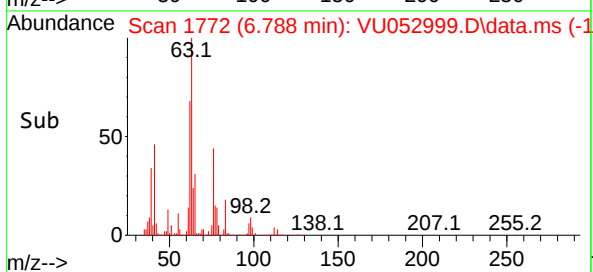
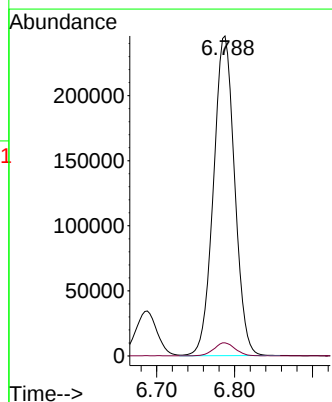
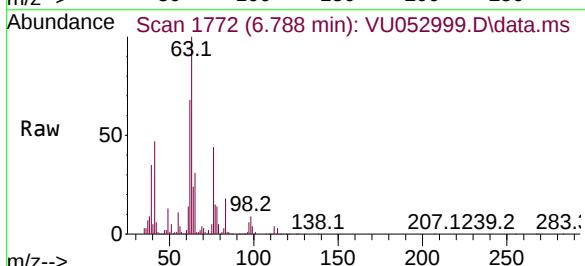
Acq: 08 Feb 2023 13:35

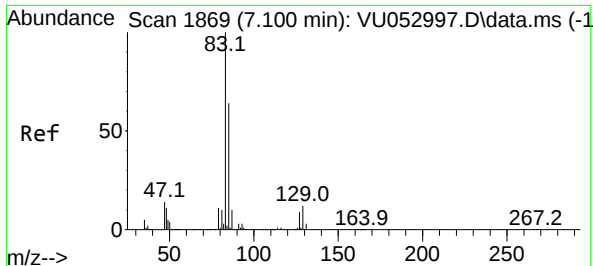
Tgt Ion: 63 Resp: 463309

Ion Ratio Lower Upper

63 100

112 4.1 3.8 5.8

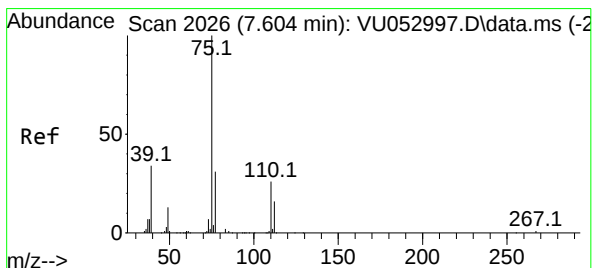
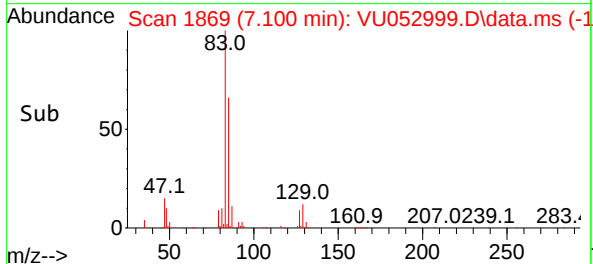
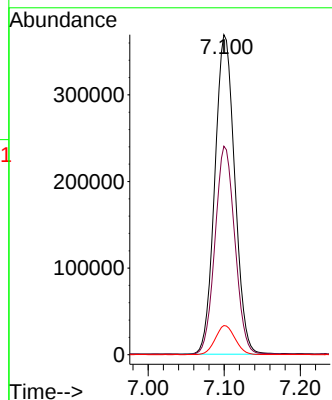
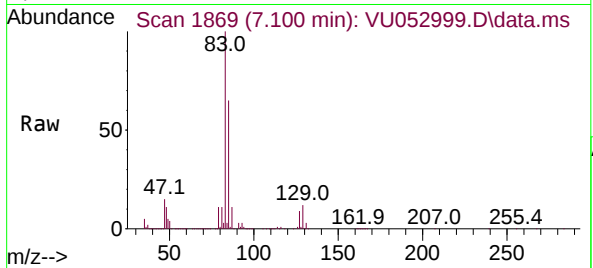




#38
Bromodichloromethane
Concen: 177.741 ug/L
RT: 7.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

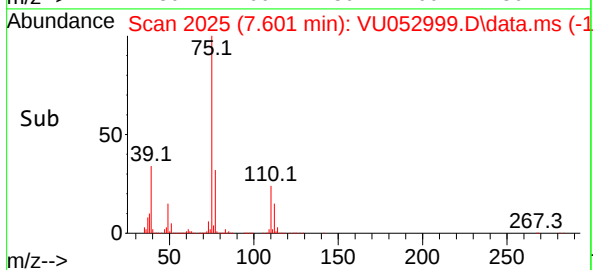
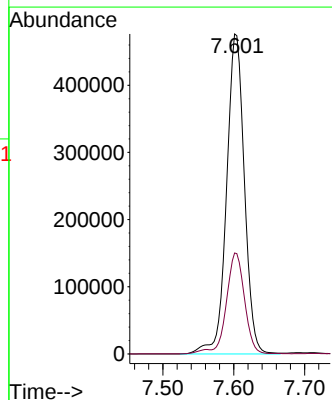
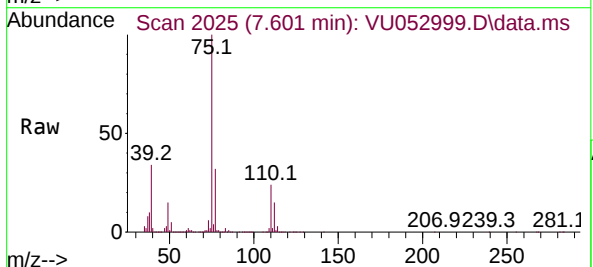
Instrument :
MSVOA_U
ClientSampleId :
VSTD200077

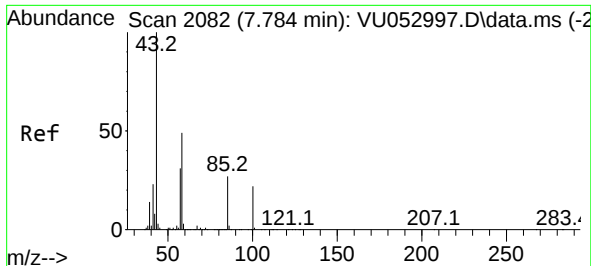
Tgt Ion: 83 Resp: 671021
Ion Ratio Lower Upper
83 100
85 65.2 45.2 84.0
127 9.1 7.4 11.0



#39
cis-1,3-Dichloropropene
Concen: 204.096 ug/L
RT: 7.601 min Scan# 2025
Delta R.T. -0.003 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

Tgt Ion: 75 Resp: 832877
Ion Ratio Lower Upper
75 100
77 31.6 21.6 40.0





#40

4-Methyl-2-pentanone

Concen: 315.930 ug/L

RT: 7.788 min Scan# 2082

Delta R.T. 0.003 min

Lab File: VU052999.D

Acq: 08 Feb 2023 13:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD200077

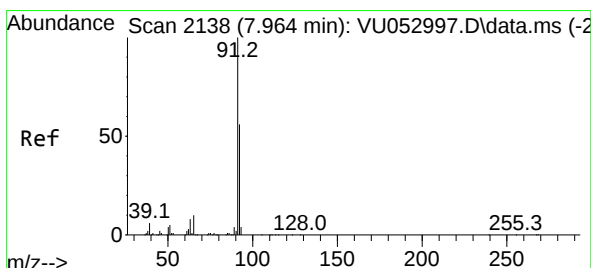
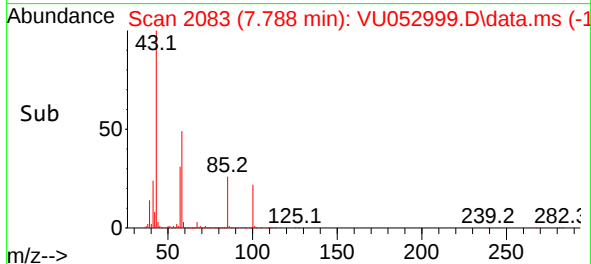
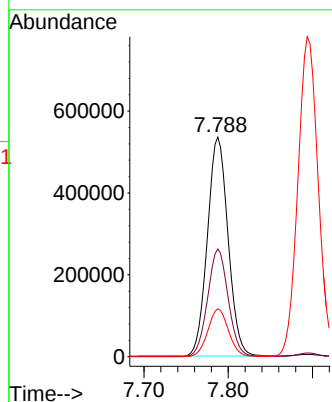
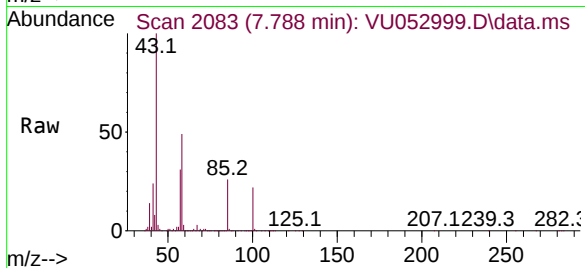
Tgt Ion: 43 Resp: 913171

Ion Ratio Lower Upper

43 100

58 48.8 35.4 53.2

100 21.8 16.0 24.0



#42

Toluene

Concen: 194.571 ug/L

RT: 7.964 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VU052999.D

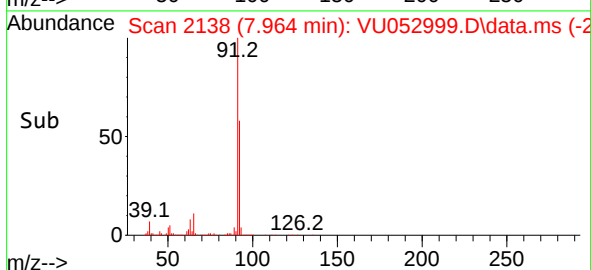
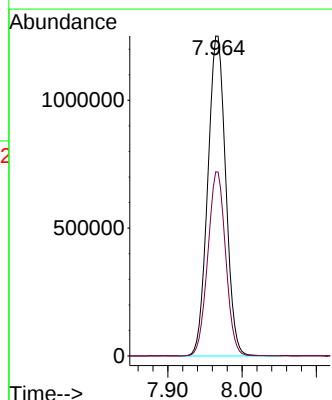
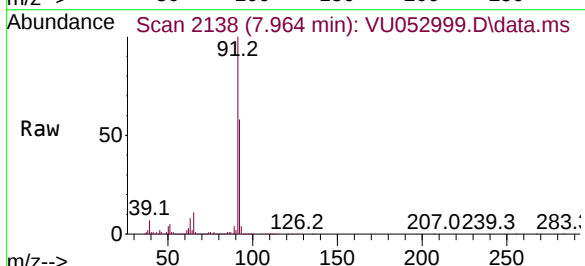
Acq: 08 Feb 2023 13:35

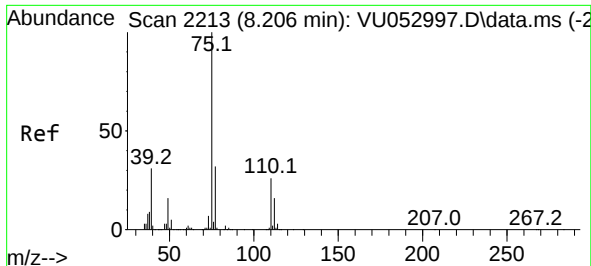
Tgt Ion: 91 Resp: 2097155

Ion Ratio Lower Upper

91 100

92 57.6 42.6 79.0

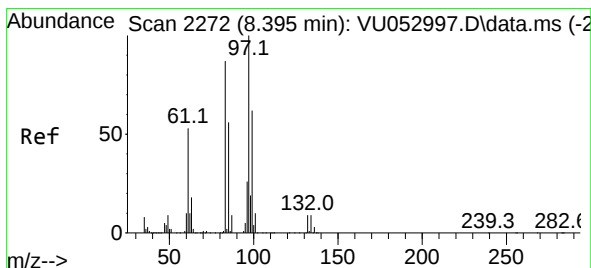
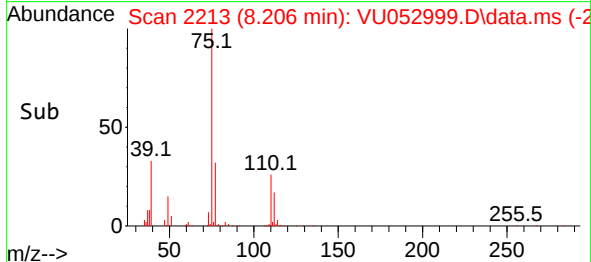
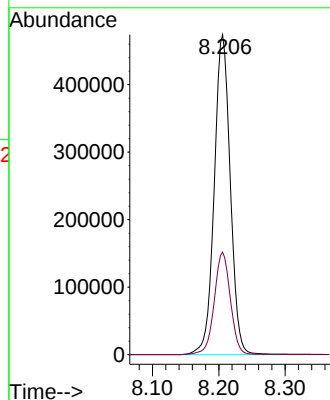
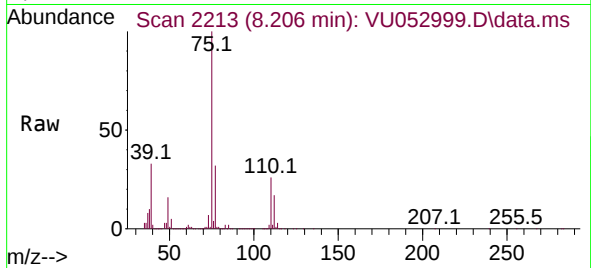




#44
trans-1,3-Dichloropropene
Concen: 199.277 ug/L
RT: 8.206 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

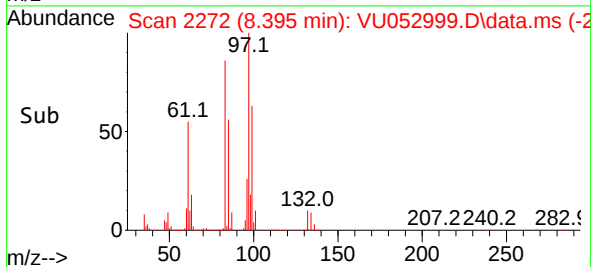
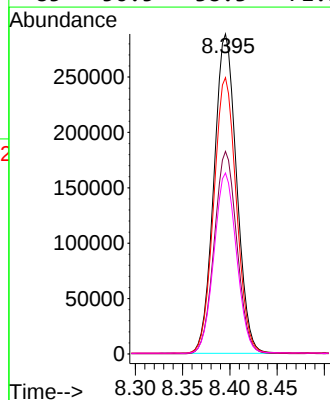
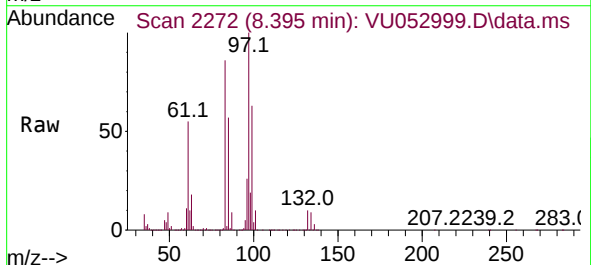
Instrument :
MSVOA_U
ClientSampleId :
VSTD200077

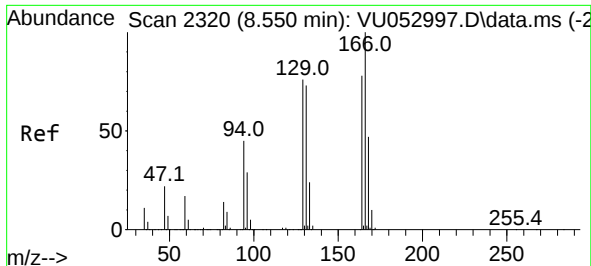
Tgt Ion: 75 Resp: 796662
Ion Ratio Lower Upper
75 100
77 32.1 22.3 41.3



#45
1,1,2-Trichloroethane
Concen: 182.879 ug/L
RT: 8.395 min Scan# 2272
Delta R.T. 0.000 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

Tgt Ion: 97 Resp: 480025
Ion Ratio Lower Upper
97 100
99 63.3 44.7 83.1
83 86.3 60.3 112.1
85 56.5 38.3 71.1



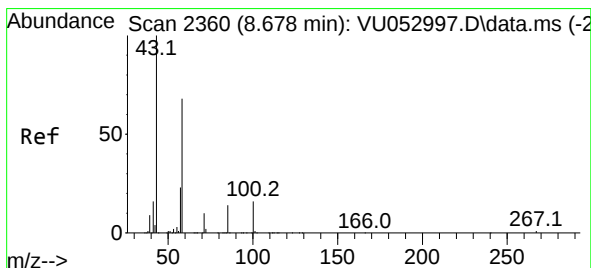
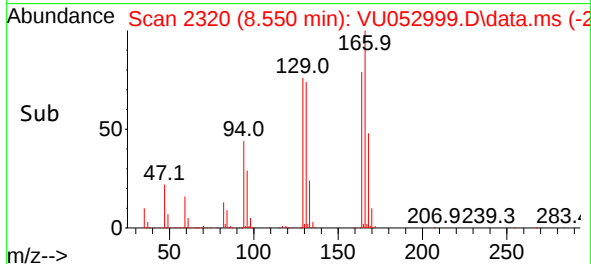
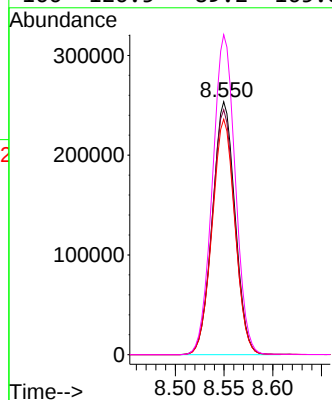
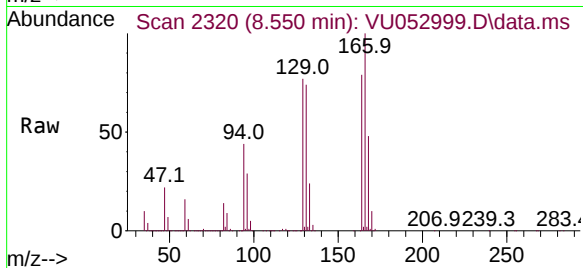


#46
Tetrachloroethene
Concen: 180.685 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD200077

Tgt Ion:164 Resp: 409828

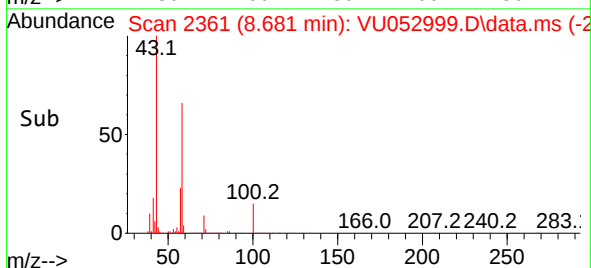
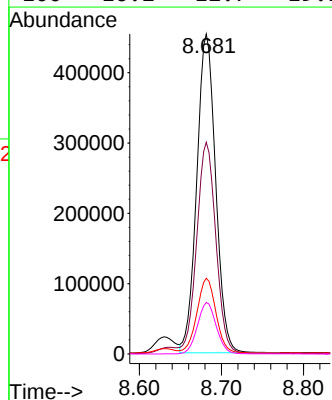
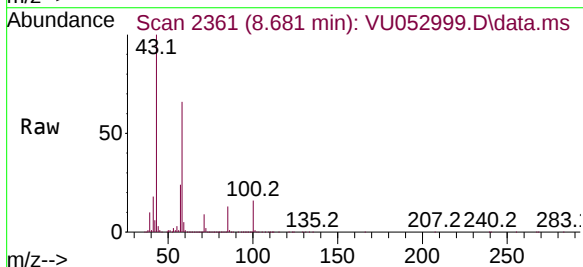
Ion	Ratio	Lower	Upper
164	100		
129	96.8	64.8	120.3
131	93.1	61.2	113.6
166	126.5	89.2	165.8

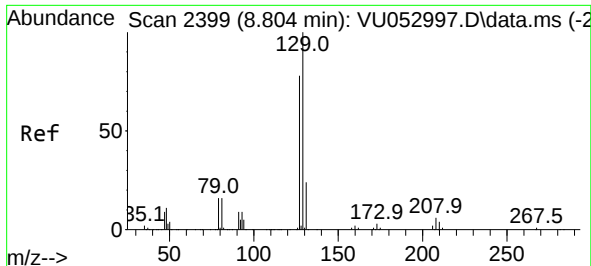


#48
2-Hexanone
Concen: 299.129 ug/L
RT: 8.681 min Scan# 2361
Delta R.T. 0.003 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

Tgt Ion: 43 Resp: 724594

Ion	Ratio	Lower	Upper
43	100		
58	67.2	48.0	72.0
57	23.5	16.8	25.2
100	16.2	12.7	19.1

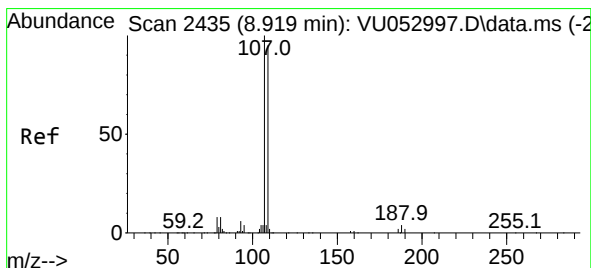
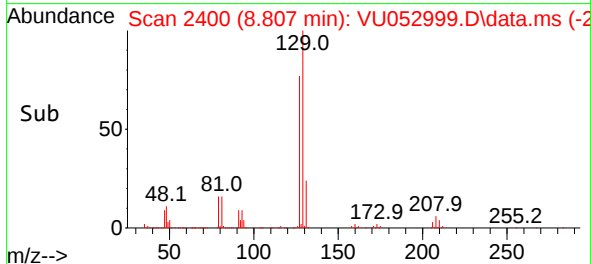
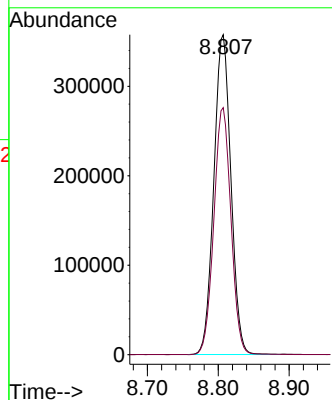
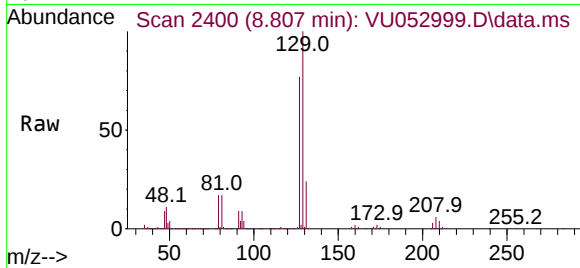




#49
Dibromochloromethane
Concen: 189.196 ug/L
RT: 8.807 min Scan# 2400
Delta R.T. 0.003 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

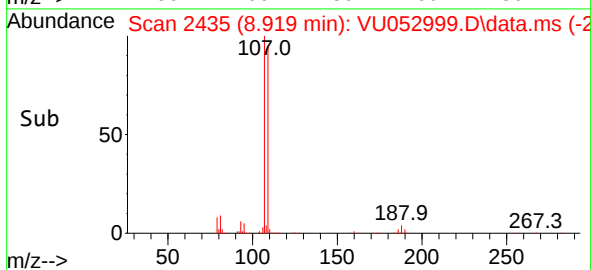
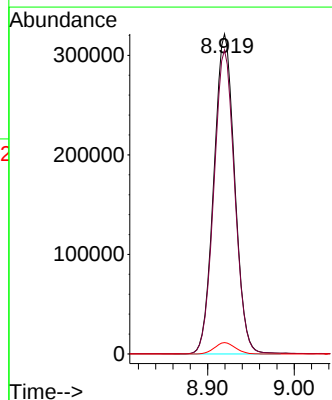
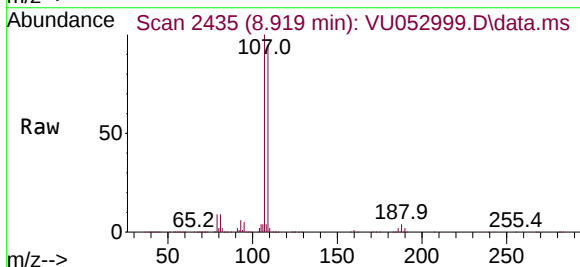
Instrument :
MSVOA_U
ClientSampleId :
VSTD200077

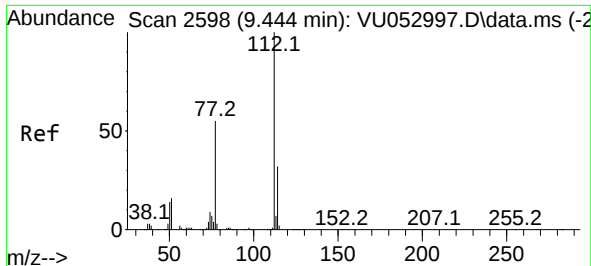
Tgt Ion:129 Resp: 597244
Ion Ratio Lower Upper
129 100
127 77.2 53.2 98.8



#50
1,2-Dibromoethane
Concen: 189.073 ug/L
RT: 8.919 min Scan# 2435
Delta R.T. -0.000 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

Tgt Ion:107 Resp: 537230
Ion Ratio Lower Upper
107 100
109 95.0 65.5 121.6
188 3.6 3.2 4.8

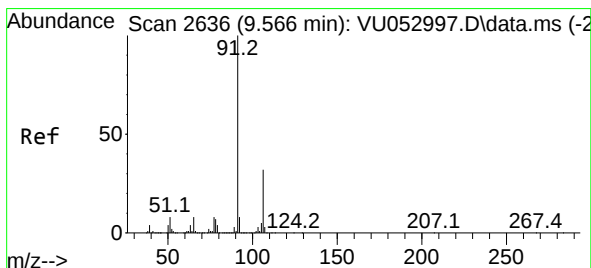
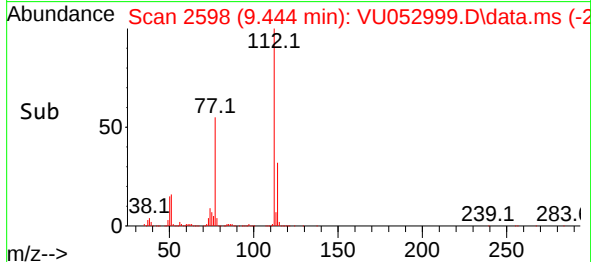
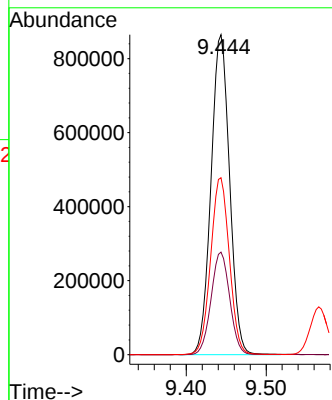
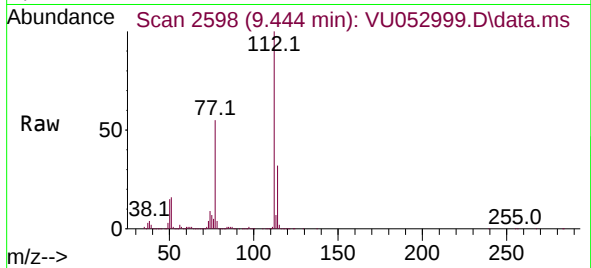




#51
Chlorobenzene
Concen: 188.177 ug/L
RT: 9.444 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

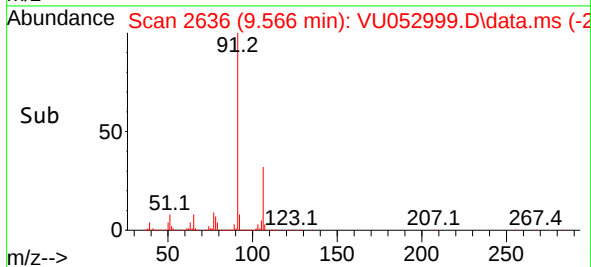
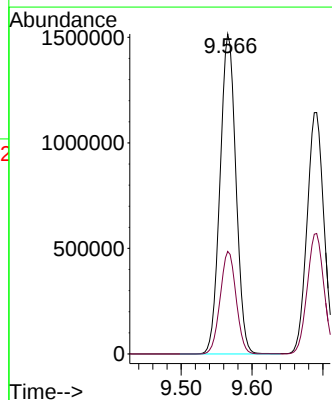
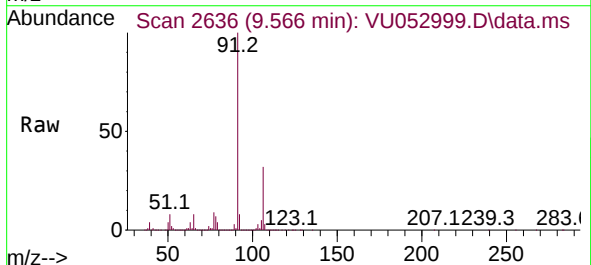
Instrument :
MSVOA_U
ClientSampleId :
VSTD200077

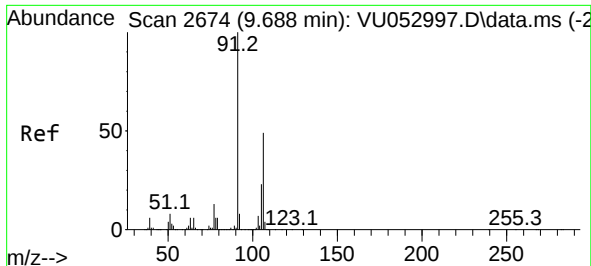
Tgt Ion:112 Resp: 1390240
Ion Ratio Lower Upper
112 100
114 32.0 22.8 42.4
77 55.3 45.9 68.9



#52
Ethylbenzene
Concen: 203.477 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. -0.000 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

Tgt Ion: 91 Resp: 2357592
Ion Ratio Lower Upper
91 100
106 32.1 22.0 40.8

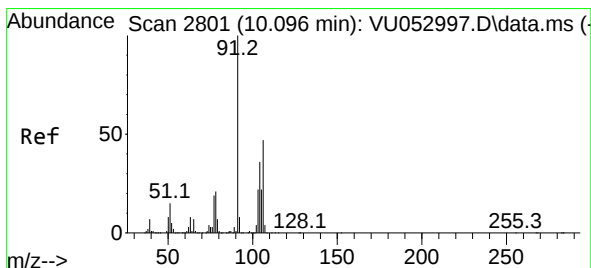
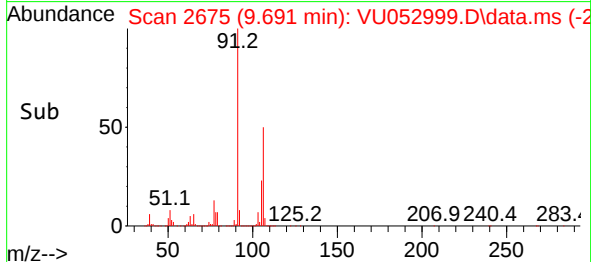
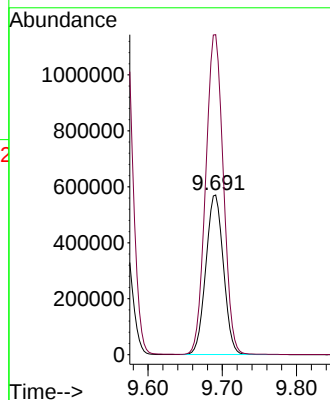
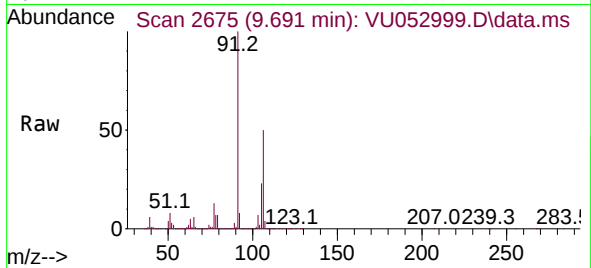




#53
m,p-Xylene
Concen: 200.475 ug/L
RT: 9.691 min Scan# 2675
Delta R.T. 0.003 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

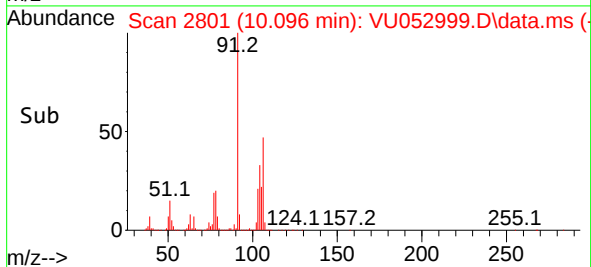
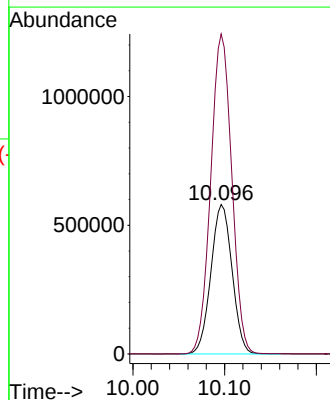
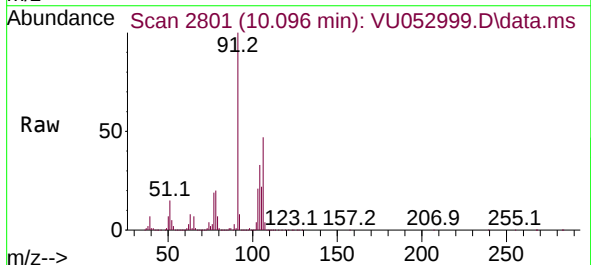
Instrument :
MSVOA_U
ClientSampleId :
VSTD200077

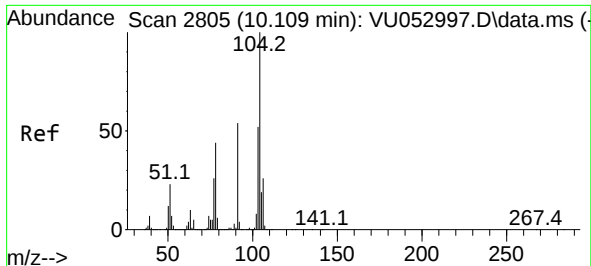
Tgt Ion:106 Resp: 935127
Ion Ratio Lower Upper
106 100
91 200.4 137.4 255.2



#54
o-xylene
Concen: 208.976 ug/L
RT: 10.096 min Scan# 2801
Delta R.T. 0.000 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

Tgt Ion:106 Resp: 931389
Ion Ratio Lower Upper
106 100
91 214.2 143.4 266.2

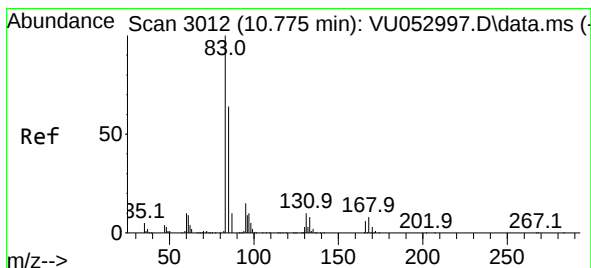
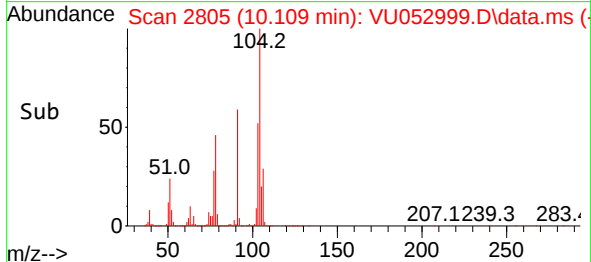
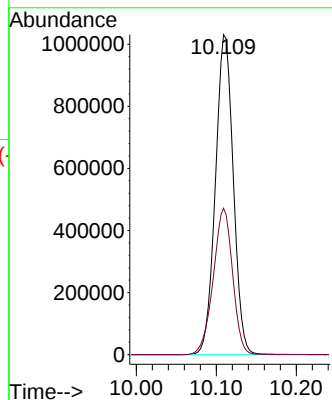
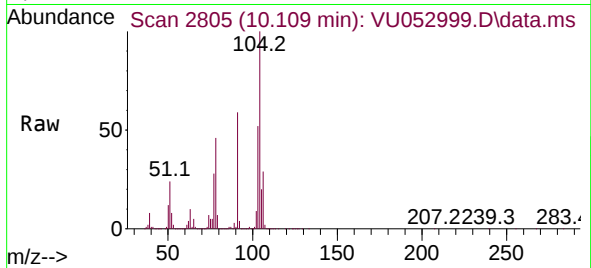




#55
Styrene
Concen: 209.624 ug/L
RT: 10.109 min Scan# 2805
Delta R.T. -0.000 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

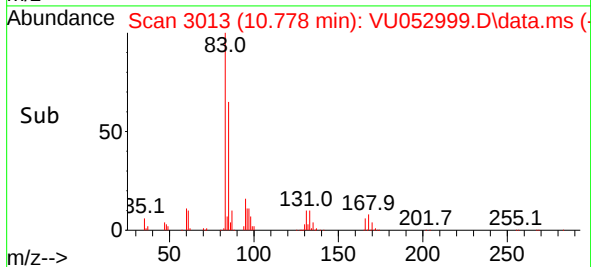
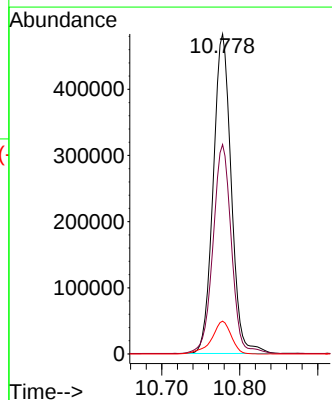
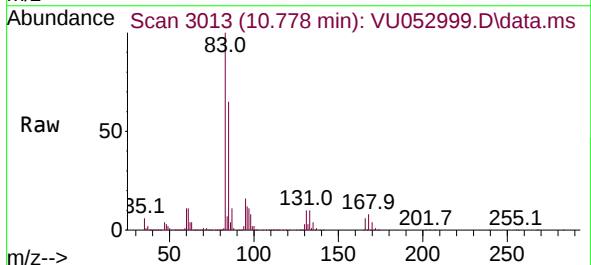
Instrument :
MSVOA_U
ClientSampleId :
VSTD200077

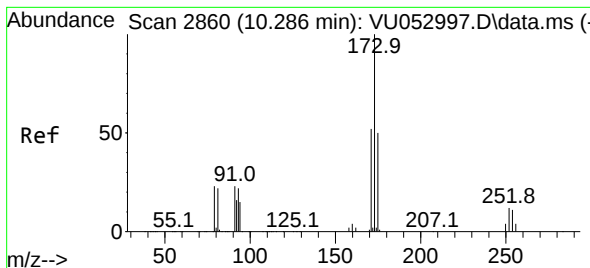
Tgt Ion:104 Resp: 1599777
Ion Ratio Lower Upper
104 100
78 45.7 31.9 59.2



#57
1,1,2,2-Tetrachloroethane
Concen: 183.828 ug/L
RT: 10.778 min Scan# 3013
Delta R.T. 0.003 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

Tgt Ion: 83 Resp: 775137
Ion Ratio Lower Upper
83 100
85 65.4 45.0 83.6
131 10.3 8.6 12.8





#59

Bromoform

Concen: 192.958 ug/L

RT: 10.286 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU052999.D

Acq: 08 Feb 2023 13:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD200077

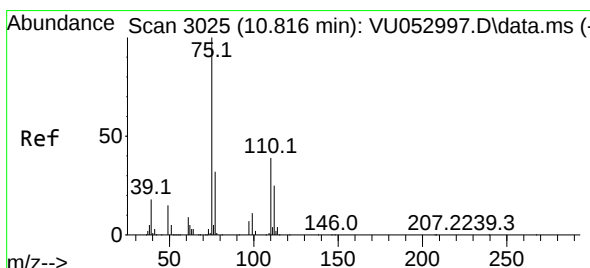
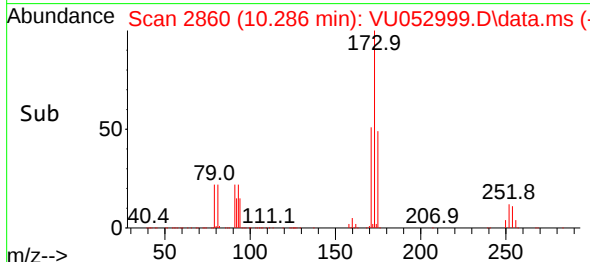
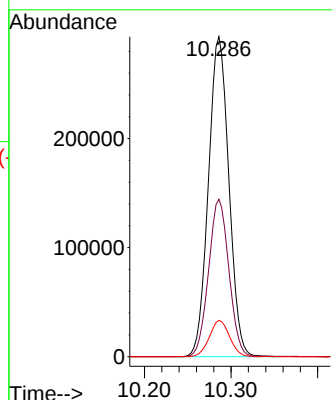
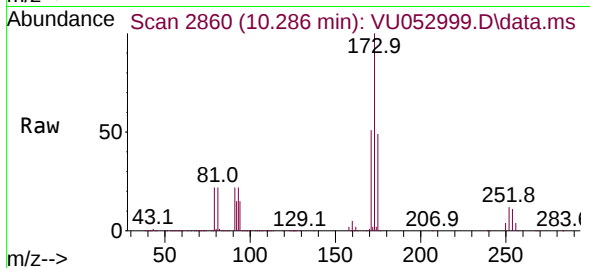
Tgt Ion:173 Resp: 481179

Ion Ratio Lower Upper

173 100

175 49.0 37.7 56.5

254 11.2 8.3 12.5



#60

1,2,3-Trichloropropane

Concen: 164.514 ug/L

RT: 10.820 min Scan# 3026

Delta R.T. 0.003 min

Lab File: VU052999.D

Acq: 08 Feb 2023 13:35

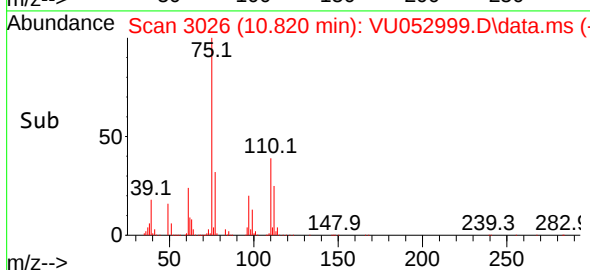
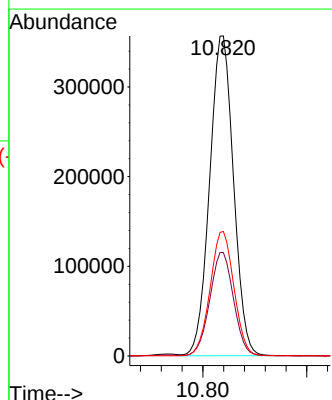
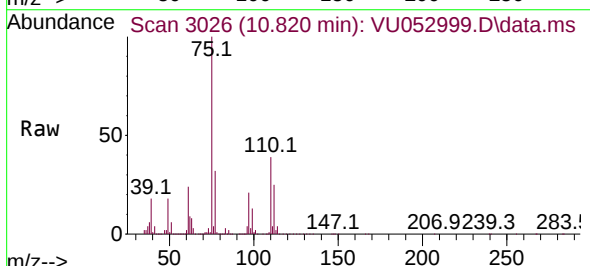
Tgt Ion: 75 Resp: 568441

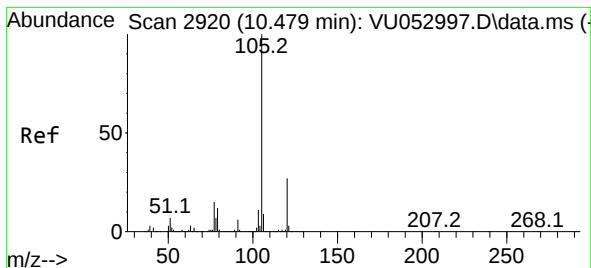
Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8

110 38.7 32.4 48.6





#61

Isopropylbenzene

Concen: 204.270 ug/L

RT: 10.479 min Scan# 2920

Delta R.T. -0.000 min

Lab File: VU052999.D

Acq: 08 Feb 2023 13:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD200077

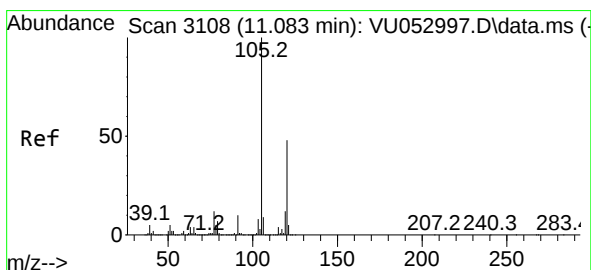
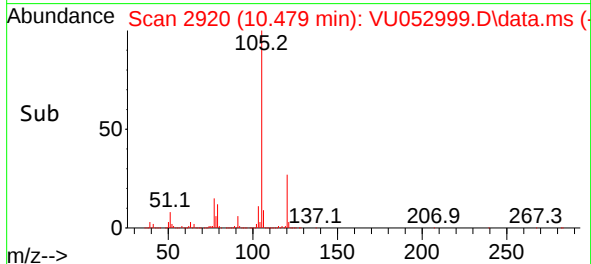
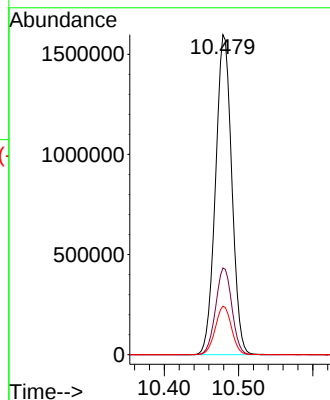
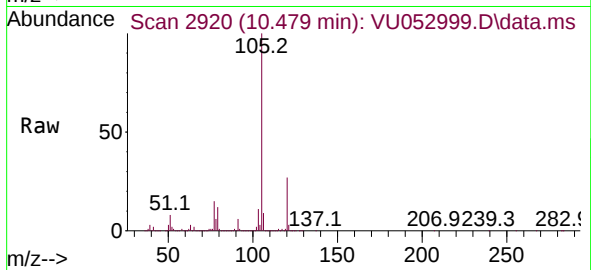
Tgt Ion:105 Resp: 2426555

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.2

77 15.1 12.2 18.2



#62

1,3,5-Trimethylbenzene

Concen: 217.937 ug/L

RT: 11.083 min Scan# 3108

Delta R.T. 0.000 min

Lab File: VU052999.D

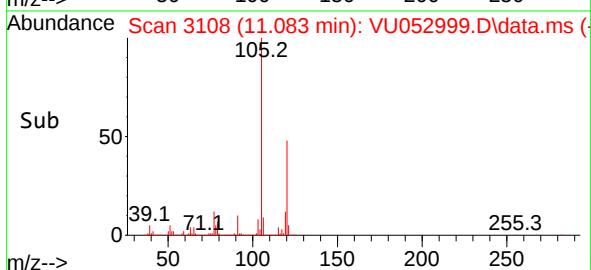
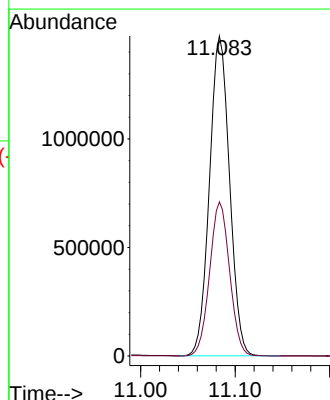
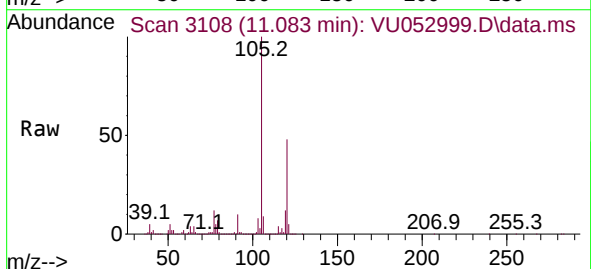
Acq: 08 Feb 2023 13:35

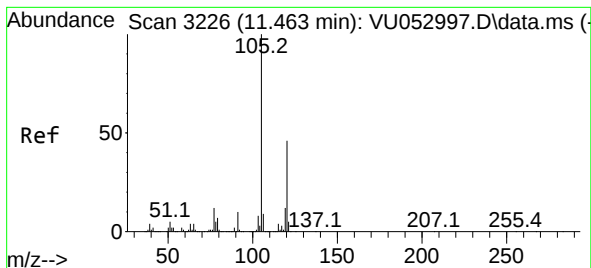
Tgt Ion:105 Resp: 2173288

Ion Ratio Lower Upper

105 100

120 47.9 40.4 60.6





#63

1,2,4-Trimethylbenzene

Concen: 221.118 ug/L

RT: 11.463 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU052999.D

Acq: 08 Feb 2023 13:35

Instrument :

MSVOA_U

ClientSampleId :

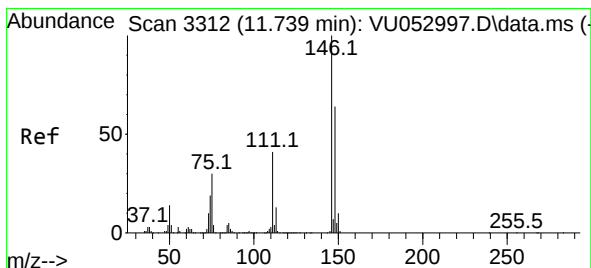
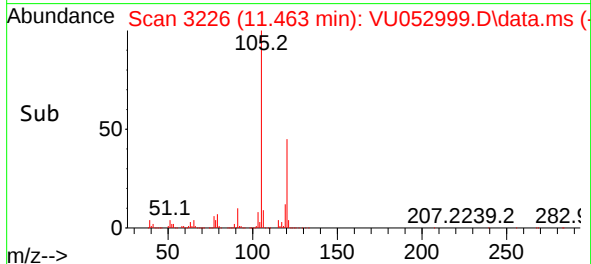
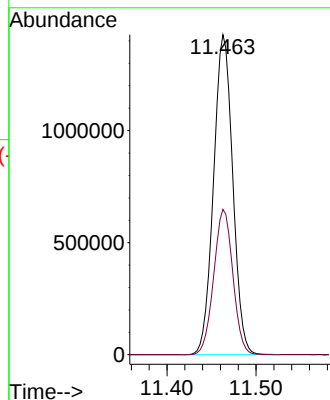
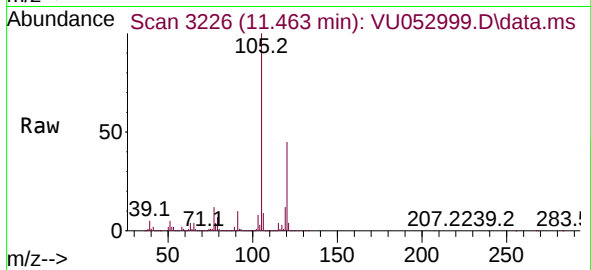
VSTD200077

Tgt Ion:105 Resp: 2132833

Ion Ratio Lower Upper

105 100

120 45.3 38.1 57.1



#64

1,3-Dichlorobenzene

Concen: 195.273 ug/L

RT: 11.739 min Scan# 3312

Delta R.T. -0.000 min

Lab File: VU052999.D

Acq: 08 Feb 2023 13:35

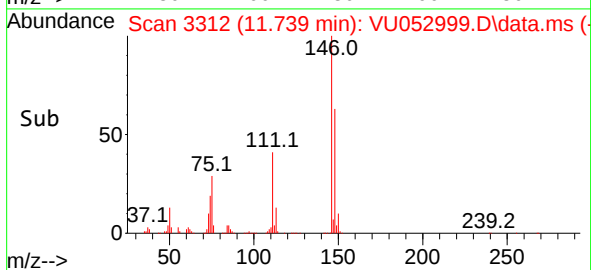
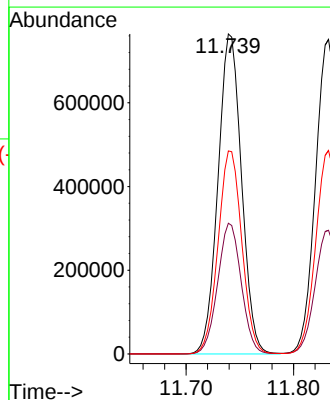
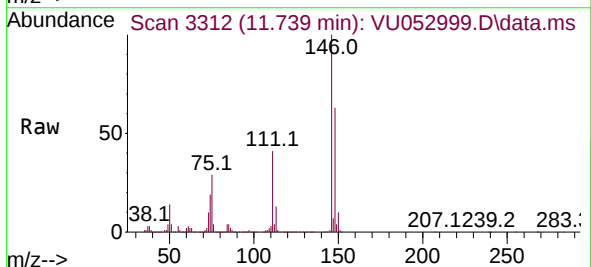
Tgt Ion:146 Resp: 1163023

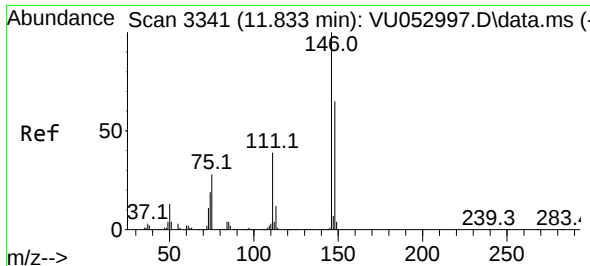
Ion Ratio Lower Upper

146 100

111 40.9 27.8 51.6

148 63.5 45.5 84.5

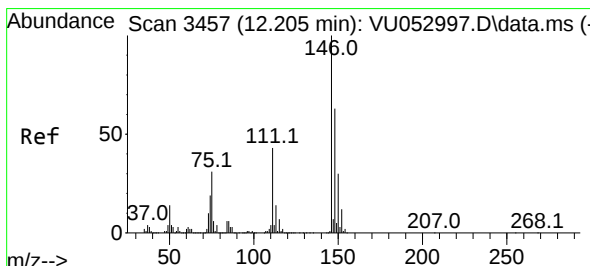
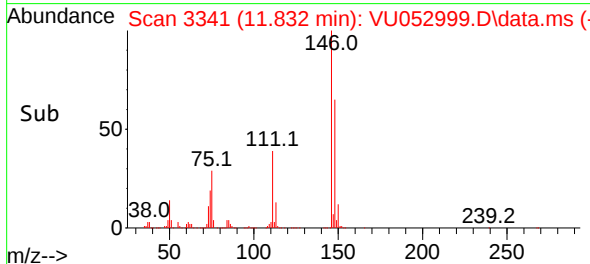
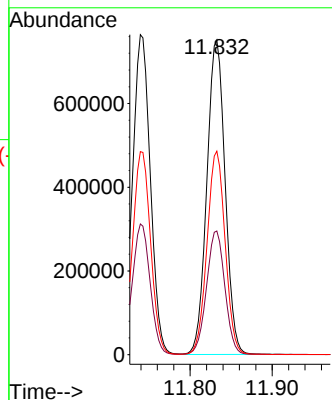
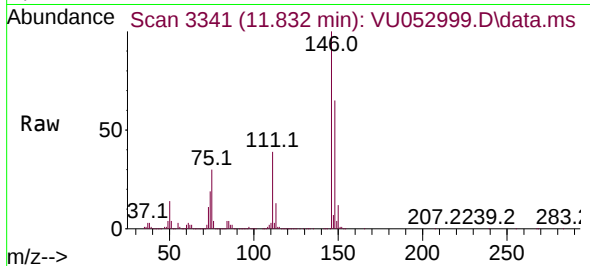




#65
 1,4-Dichlorobenzene
 Concen: 190.096 ug/L
 RT: 11.832 min Scan# 3341
 Delta R.T. -0.000 min
 Lab File: VU052999.D
 Acq: 08 Feb 2023 13:35

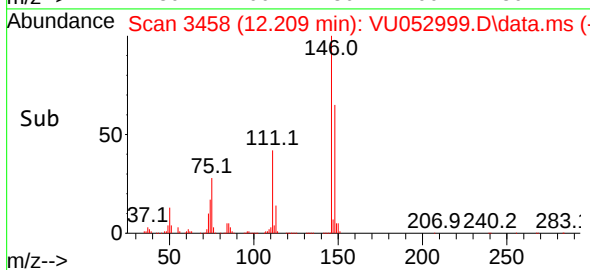
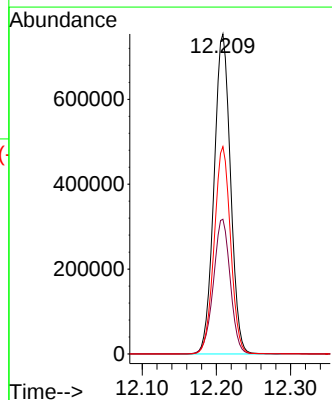
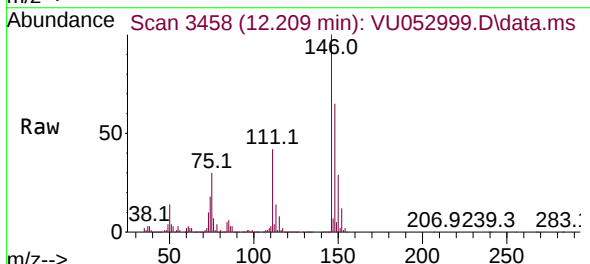
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200077

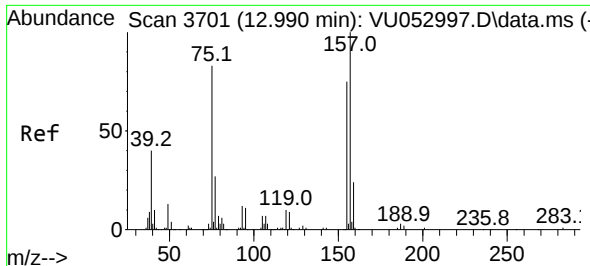
Tgt Ion:146 Resp: 1166215
 Ion Ratio Lower Upper
 146 100
 111 39.3 26.7 49.7
 148 64.7 45.6 84.6



#67
 1,2-Dichlorobenzene
 Concen: 194.146 ug/L
 RT: 12.209 min Scan# 3458
 Delta R.T. 0.003 min
 Lab File: VU052999.D
 Acq: 08 Feb 2023 13:35

Tgt Ion:146 Resp: 1160228
 Ion Ratio Lower Upper
 146 100
 111 42.1 33.2 49.8
 148 64.8 50.2 75.4

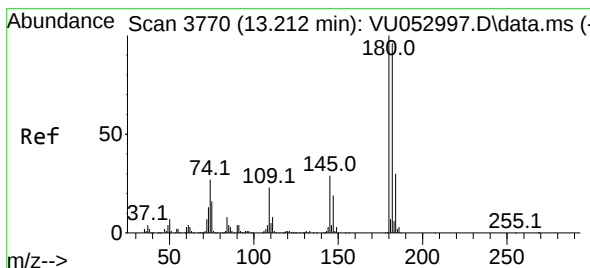
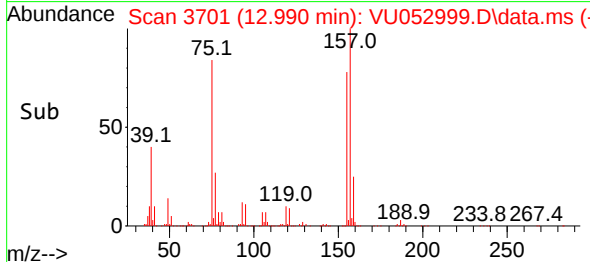
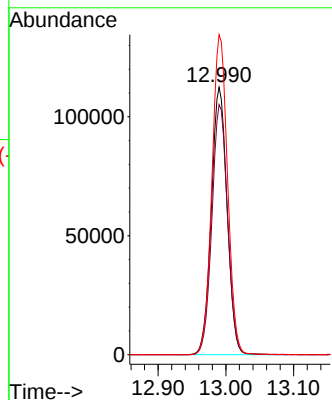
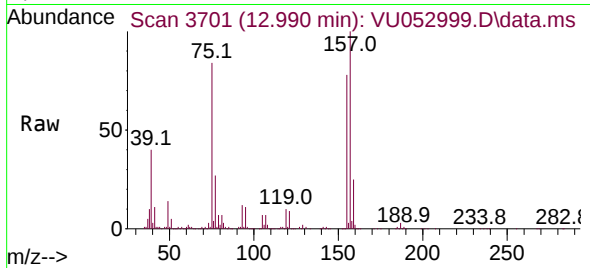




#68
 1,2-Dibromo-3-chloropropane
 Concen: 181.563 ug/L
 RT: 12.990 min Scan# 3701
 Delta R.T. -0.000 min
 Lab File: VU052999.D
 Acq: 08 Feb 2023 13:35

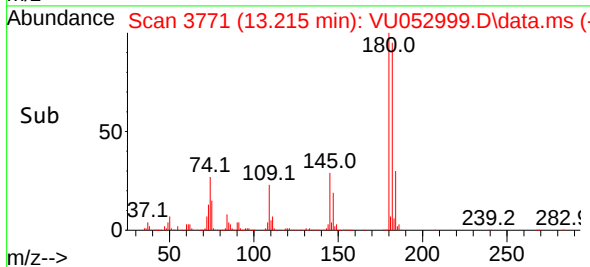
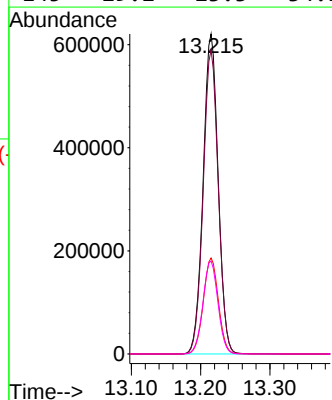
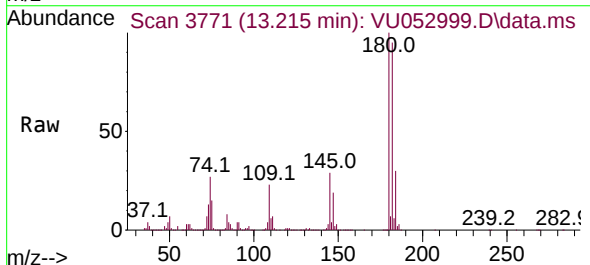
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200077

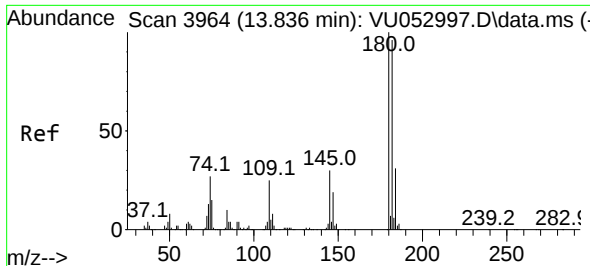
Tgt Ion: 75 Resp: 181622
 Ion Ratio Lower Upper
 75 100
 155 93.5 69.2 103.8
 157 119.7 91.2 136.8



#69
 1,3,5-Trichlorobenzene
 Concen: 208.760 ug/L
 RT: 13.215 min Scan# 3771
 Delta R.T. 0.003 min
 Lab File: VU052999.D
 Acq: 08 Feb 2023 13:35

Tgt Ion:180 Resp: 933655
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.0 115.6
 184 30.2 24.4 36.6
 145 29.2 23.3 34.9

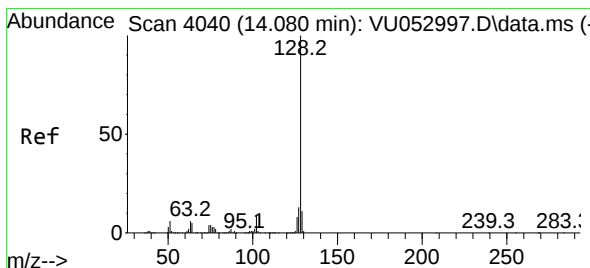
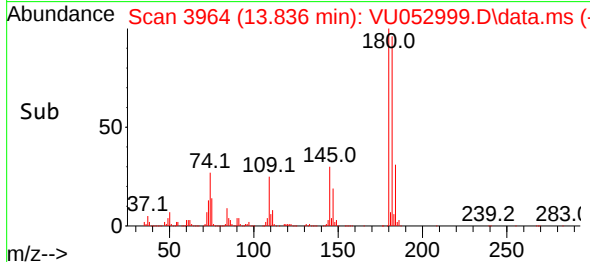
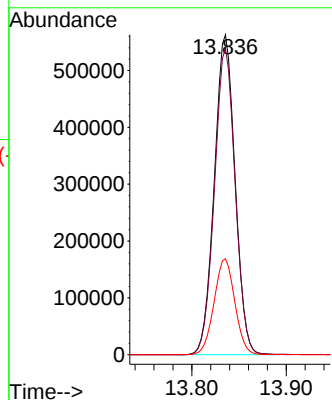
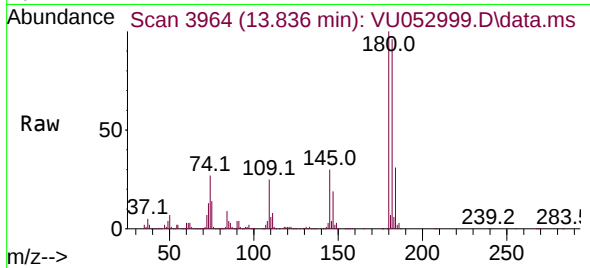




#70
1,2,4-trichlorobenzene
Concen: 225.703 ug/L
RT: 13.836 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

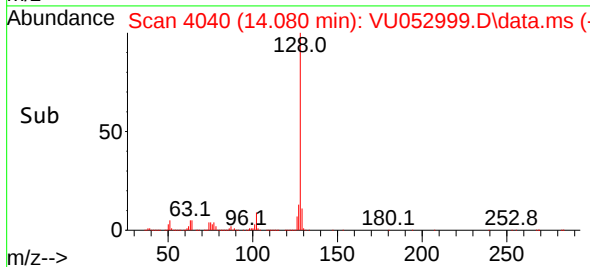
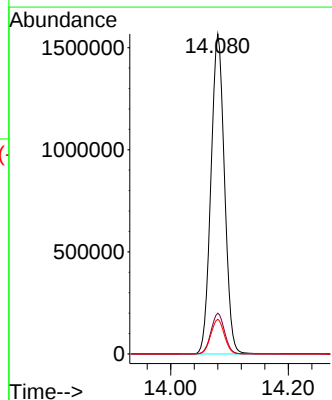
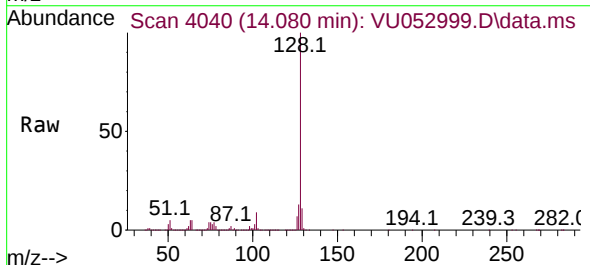
Instrument :
MSVOA_U
ClientSampleId :
VSTD200077

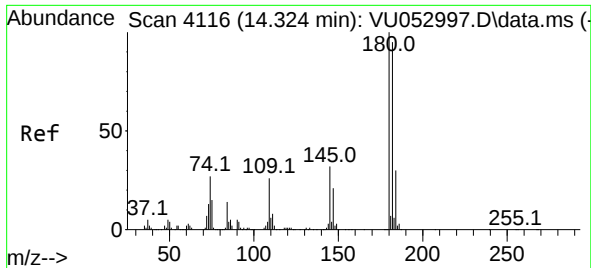
Tgt Ion:180 Resp: 858377
Ion Ratio Lower Upper
180 100
182 95.7 78.2 117.2
145 30.0 23.4 35.2



#71
Naphthalene
Concen: 230.236 ug/L
RT: 14.080 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU052999.D
Acq: 08 Feb 2023 13:35

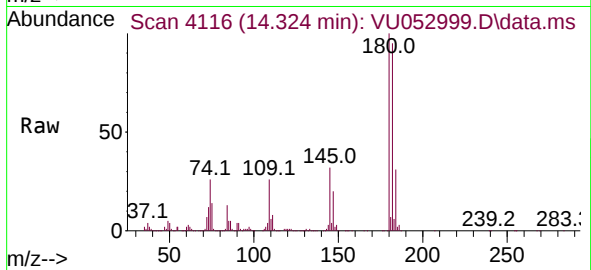
Tgt Ion:128 Resp: 2502838
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.8 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 213.687 ug/L
 RT: 14.324 min Scan# 4116
 Delta R.T. -0.000 min
 Lab File: VU052999.D
 Acq: 08 Feb 2023 13:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200077



Tgt Ion:	180	Resp:	844496
Ion Ratio	Lower	Upper	
180	100		
182	95.3	77.5	116.3
145	31.8	24.2	36.4

