

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
 Data File : VU053096.D
 Acq On : 14 Feb 2023 13:54
 Operator : JC/MD
 Sample : VSTD20003
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200003

Quant Time: Feb 15 00:33:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 15 00:30:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	265776	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	250245	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	135829	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	498536	202.141	ug/L	0.00
7) Chloroethane-d5	1.913	69	440847	218.473	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.566	63	859126	221.616	ug/L	0.00
21) 2-Butanone-d5	4.624	46	538316	527.392	ug/L	0.00
24) Chloroform-d	5.058	84	876436	211.366	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.694	65	556604	221.376	ug/L	0.00
32) Benzene-d6	5.723	84	1794933	212.321	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	583960	220.452	ug/L	0.00
41) Toluene-d8	7.894	98	1683004	206.170	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.173	79	308470	217.069	ug/L	0.00
47) 2-Hexanone-d5	8.630	63	434788	526.057	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.752	84	812993	225.269	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	610935	202.047	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	547788	246.020	ug/L	100
3) Chloromethane	1.518	50	514611	247.765	ug/L	99
5) Vinyl chloride	1.605	62	569958	229.129	ug/L	99
6) Bromomethane	1.859	94	369671	220.898	ug/L	100
8) Chloroethane	1.933	64	358270	235.826	ug/L	99
9) Trichlorofluoromethane	2.132	101	737061	201.155	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	404769	215.075	ug/L	99
12) 1,1-Dichloroethene	2.576	96	387465	216.527	ug/L	93
13) Acetone	2.637	43	310358	361.254	ug/L	99
14) Carbon disulfide	2.791	76	1234349	228.149	ug/L	100
15) Methyl Acetate	2.945	43	344656	253.046	ug/L	99
16) Methylene chloride	3.042	84	428834	199.445	ug/L	99
17) trans-1,2-Dichloroethene	3.347	96	393474	207.143	ug/L	100
18) Methyl tert-butyl Ether	3.357	73	1341062	223.152	ug/L	100
19) 1,1-Dichloroethane	3.865	63	770002	229.348	ug/L	100
20) cis-1,2-Dichloroethene	4.659	96	455162	212.435	ug/L	99
22) 2-Butanone	4.704	43	495048	464.738	ug/L	99
23) Bromochloromethane	4.968	128	221055	194.288	ug/L	96
25) Chloroform	5.080	83	791906	215.920	ug/L	99
27) 1,2-Dichloroethane	5.788	62	614302	229.670	ug/L	99
29) Cyclohexane	5.386	56	718491	229.738	ug/L	100
30) 1,1,1-Trichloroethane	5.312	97	681004	207.085	ug/L	100
31) Carbon tetrachloride	5.521	117	587535	205.280	ug/L	100
33) Benzene	5.768	78	1702096	214.900	ug/L	100
34) Trichloroethene	6.537	95	451871	211.761	ug/L	98
35) Methylcyclohexane	6.759	83	774588	212.809	ug/L	99
37) 1,2-Dichloropropane	6.784	63	469702	229.234	ug/L	100
38) Bromodichloromethane	7.099	83	605337	210.719	ug/L	99
39) cis-1,3-Dichloropropene	7.601	75	796374	228.842	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	1008413	499.123	ug/L	100
42) Toluene	7.964	91	1847365	209.015	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	752283	224.443	ug/L	100

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 Quant Title : VOC Analysis
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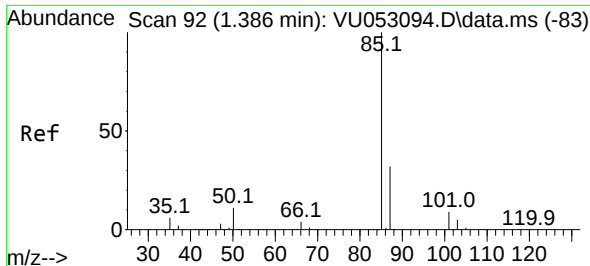
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.395	97	435397	211.120	ug/L	99
46) Tetrachloroethene	8.550	164	306505	187.837	ug/L	99
48) 2-Hexanone	8.685	43	778410	488.622	ug/L	99
49) Dibromochloromethane	8.804	129	464944	193.945	ug/L	98
50) 1,2-Dibromoethane	8.919	107	465479	208.971	ug/L	98
51) Chlorobenzene	9.443	112	1159808	205.285	ug/L	99
52) Ethylbenzene	9.566	91	2093710	214.090	ug/L	99
53) m,p-Xylene	9.691	106	791732	206.614	ug/L	100
54) o-xylene	10.096	106	787233	207.928	ug/L	100
55) Styrene	10.109	104	1331944	209.814	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	722827	224.651	ug/L	99
59) Bromoform	10.286	173	335975	190.724	ug/L	100
60) 1,2,3-Trichloropropane	10.820	75	529518	225.606	ug/L	99
61) Isopropylbenzene	10.479	105	2088897	215.182	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	1782212	211.002	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	1725084	210.527	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	877404	206.552	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	887525	206.817	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	882271	205.610	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	162369	228.067	ug/L	94
69) 1,3,5-Trichlorobenzene	13.215	180	597436	187.363	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	559840	194.907	ug/L	100
71) Naphthalene	14.080	128	1923035	218.037	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	548376	194.613	ug/L	100

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

Instrument :
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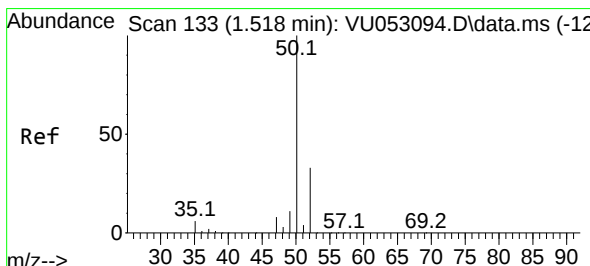
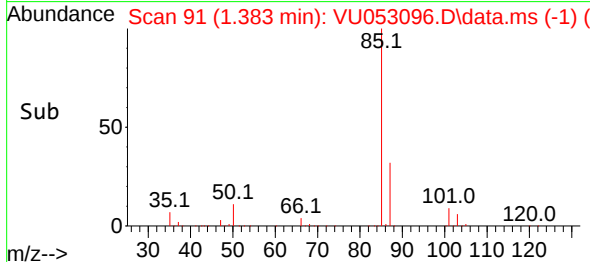
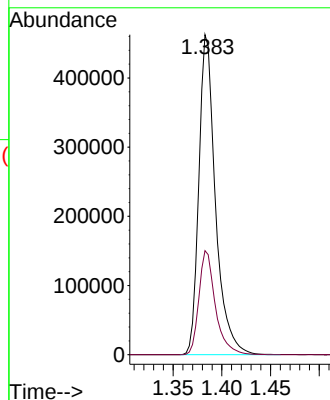
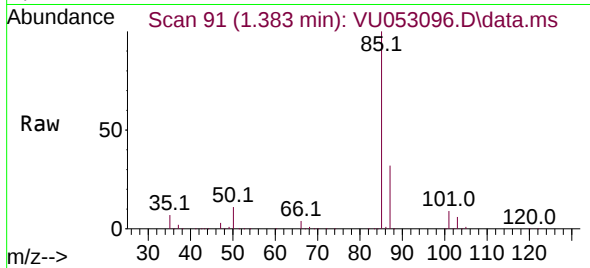




#2
 Dichlorodifluoromethane
 Concen: 246.020 ug/L
 RT: 1.383 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU053096.D
 Acq: 14 Feb 2023 13:54

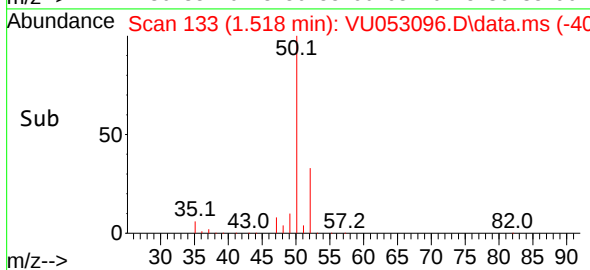
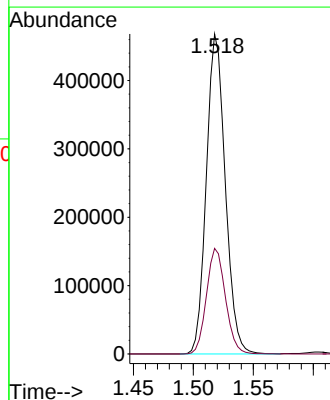
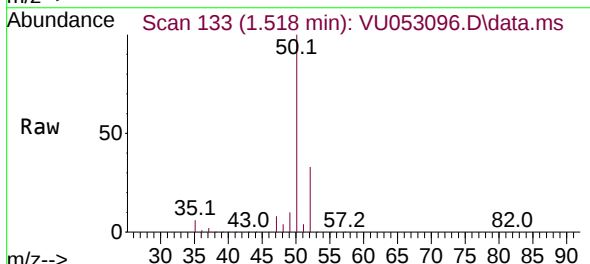
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200003

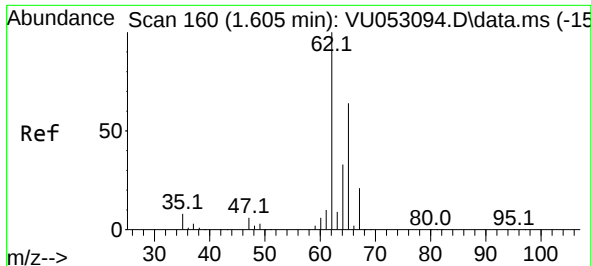
Tgt Ion: 85 Resp: 547788
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.6 38.4



#3
 Chloromethane
 Concen: 247.765 ug/L
 RT: 1.518 min Scan# 133
 Delta R.T. -0.000 min
 Lab File: VU053096.D
 Acq: 14 Feb 2023 13:54

Tgt Ion: 50 Resp: 514611
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.8 42.4

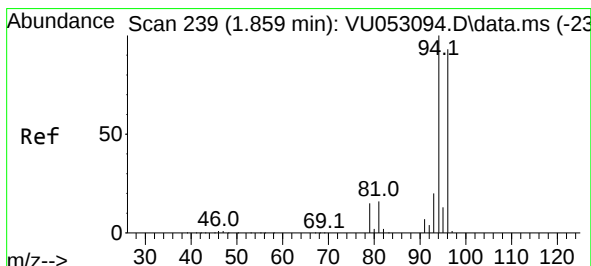
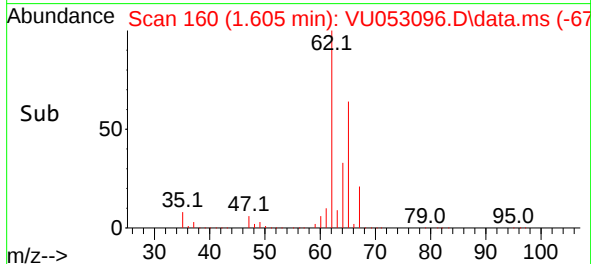
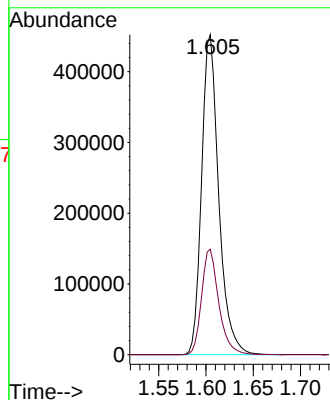
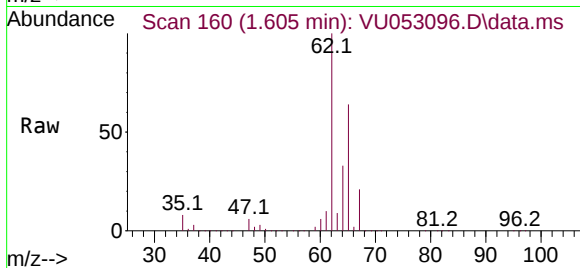




#5
 Vinyl chloride
 Concen: 229.129 ug/L
 RT: 1.605 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VU053096.D
 Acq: 14 Feb 2023 13:54

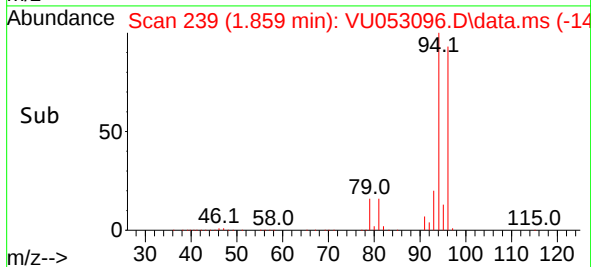
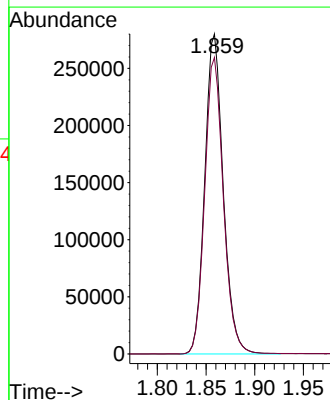
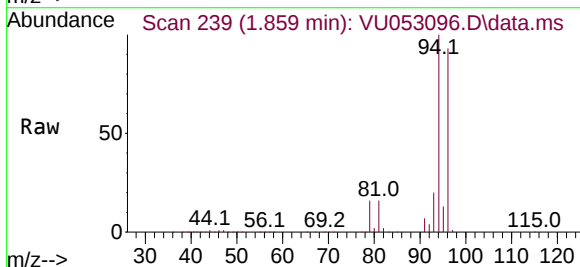
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 ClientSampleId :
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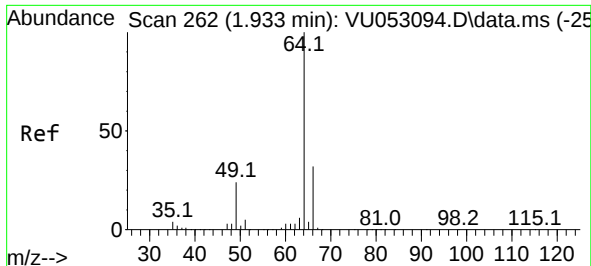
Tgt Ion: 62 Resp: 569958
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.4 43.6



#6
 Bromomethane
 Concen: 220.898 ug/L
 RT: 1.859 min Scan# 239
 Delta R.T. -0.000 min
 Lab File: VU053096.D
 Acq: 14 Feb 2023 13:54

Tgt Ion: 94 Resp: 369671
 Ion Ratio Lower Upper
 94 100
 96 92.7 65.0 120.8

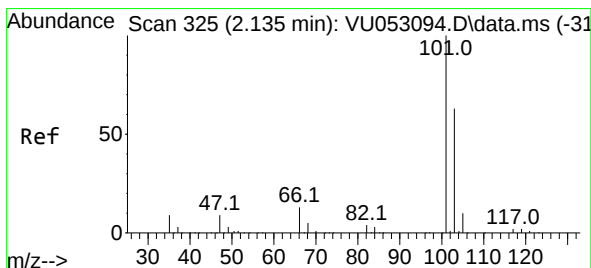
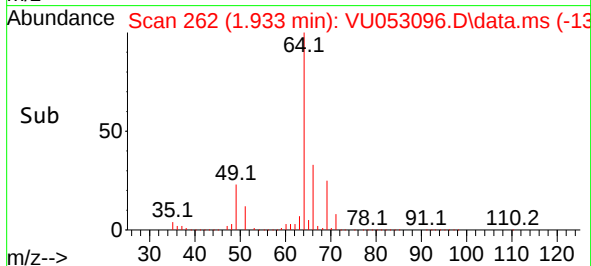
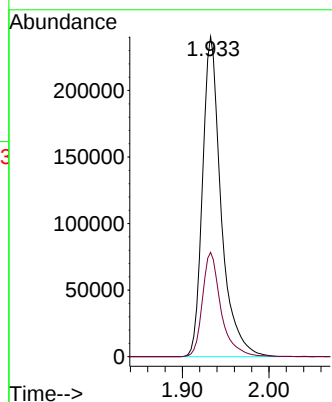
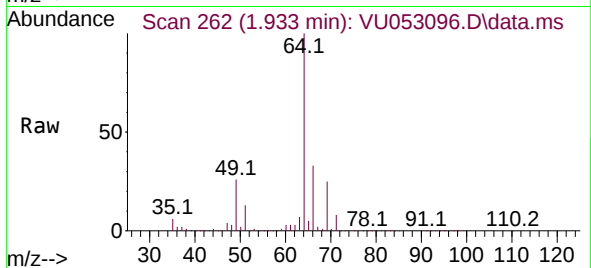




#8
Chloroethane
Concen: 235.826 ug/L
RT: 1.933 min Scan# 20
Delta R.T. -0.000 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

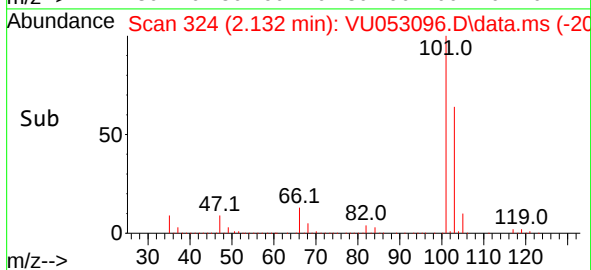
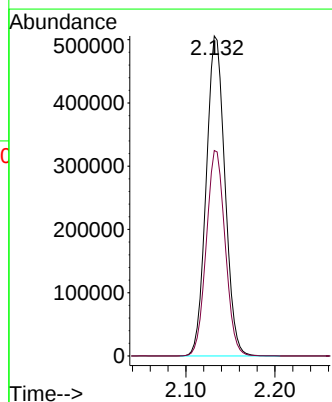
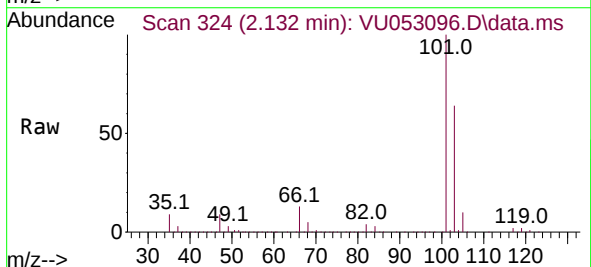
Instrument :
MSVOA_U
ClientSampleId :
VSTD200003

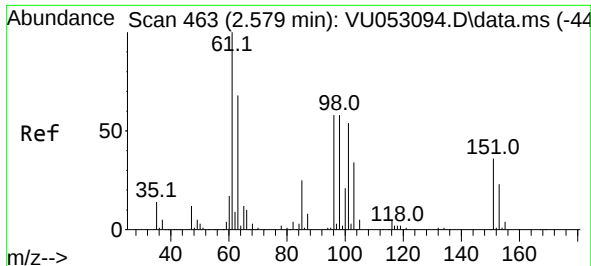
Tgt Ion: 64 Resp: 358270
Ion Ratio Lower Upper
64 100
66 32.6 22.4 41.6



#9
Trichlorofluoromethane
Concen: 201.155 ug/L
RT: 2.132 min Scan# 324
Delta R.T. -0.003 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

Tgt Ion:101 Resp: 737061
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 215.075 ug/L

RT: 2.576 min Scan# 4

Delta R.T. -0.003 min

Lab File: VU053096.D

Acq: 14 Feb 2023 13:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD200003

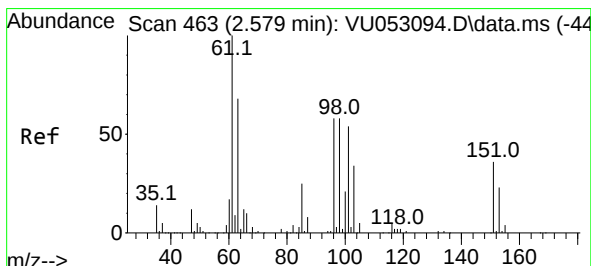
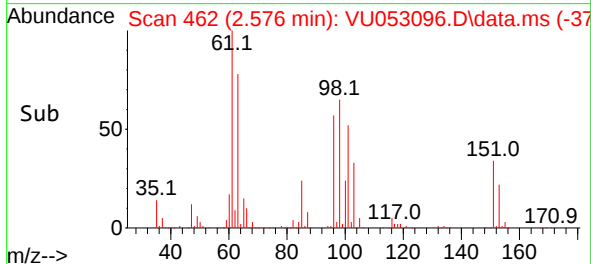
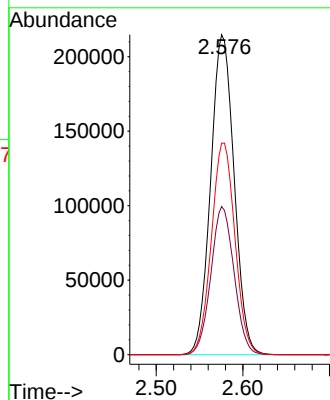
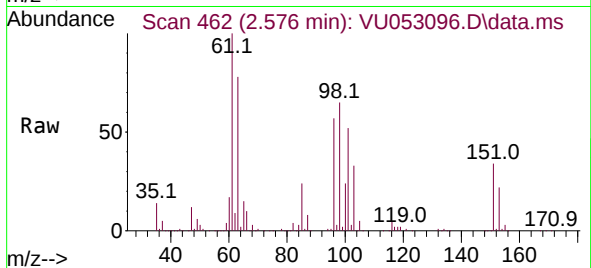
Tgt Ion:101 Resp: 404769

Ion Ratio Lower Upper

101 100

85 45.7 36.6 54.8

151 66.5 52.6 79.0



#12

1,1-Dichloroethene

Concen: 216.527 ug/L

RT: 2.576 min Scan# 462

Delta R.T. -0.003 min

Lab File: VU053096.D

Acq: 14 Feb 2023 13:54

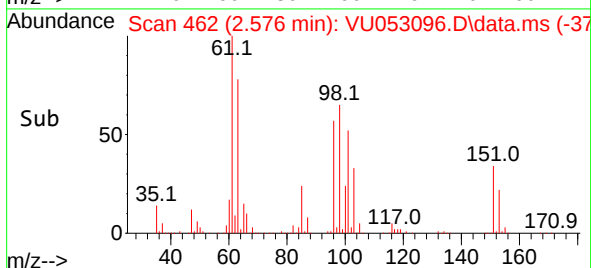
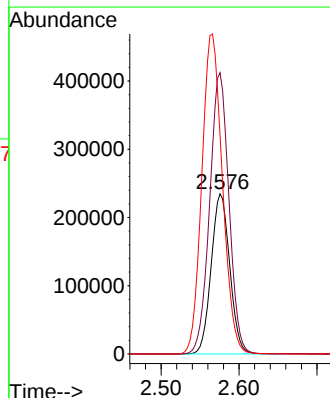
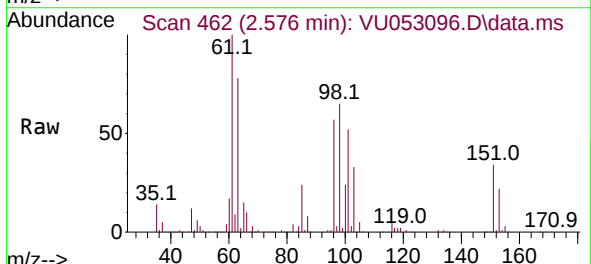
Tgt Ion: 96 Resp: 387465

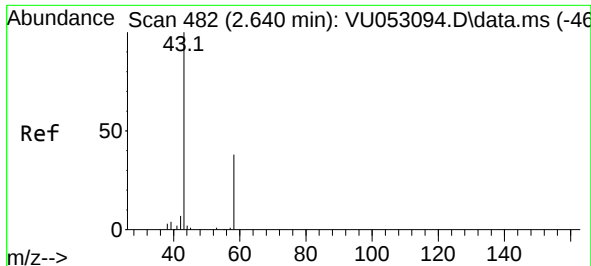
Ion Ratio Lower Upper

96 100

61 175.7 121.9 226.3

63 136.5 84.2 156.4





#13

Acetone

Concen: 361.254 ug/L

RT: 2.637 min Scan# 481

Delta R.T. -0.003 min

Lab File: VU053096.D

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ClientSampleId :

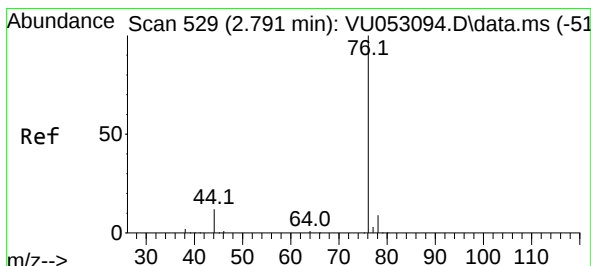
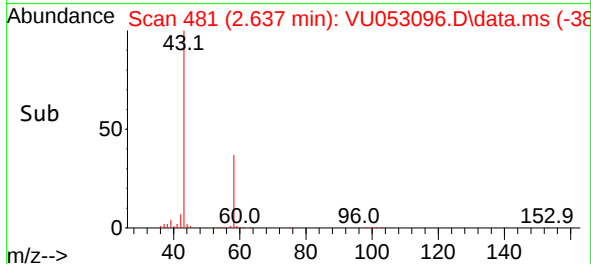
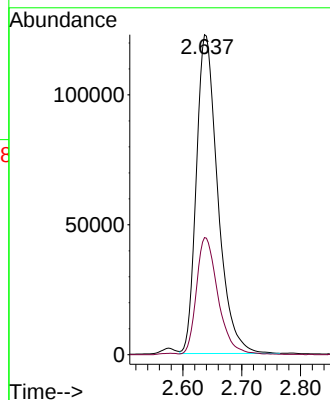
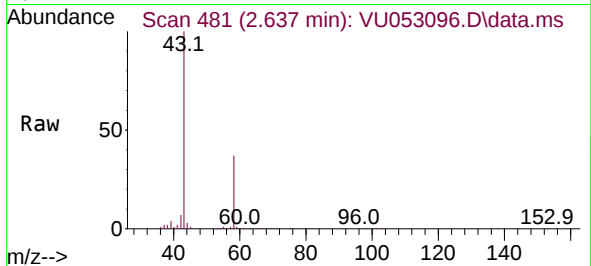
VSTD200003

Tgt Ion: 43 Resp: 310358

Ion Ratio Lower Upper

43 100

58 36.6 0.0 74.6



#14

Carbon disulfide

Concen: 228.149 ug/L

RT: 2.791 min Scan# 529

Delta R.T. -0.000 min

Lab File: VU053096.D

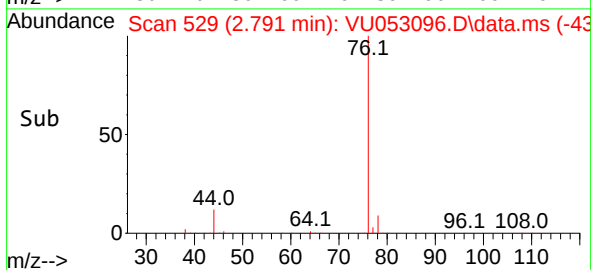
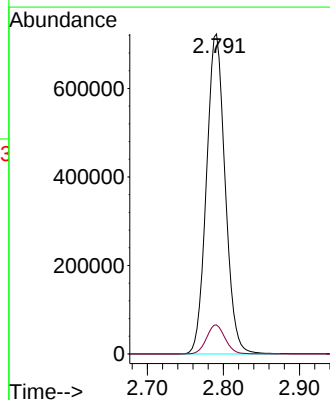
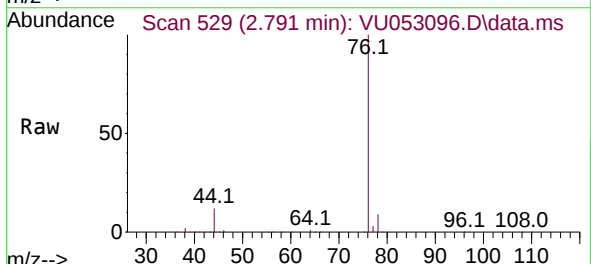
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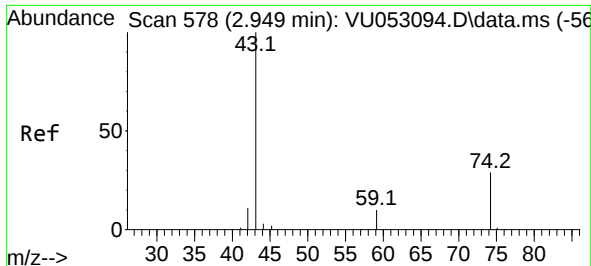
Tgt Ion: 76 Resp: 1234349

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#15

Methyl Acetate

Concen: 253.046 ug/L

RT: 2.945 min Scan# 51

Delta R.T. -0.003 min

Lab File: VU053096.D

Acq: 14 Feb 2023 13:54

Instrument :

MSVOA_U

ClientSampleId :

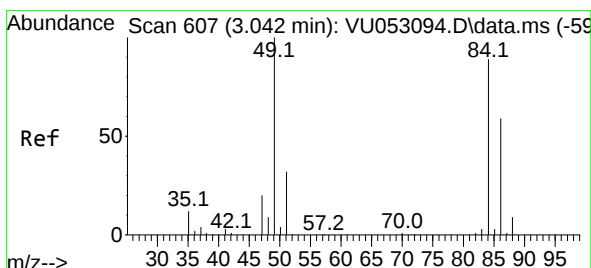
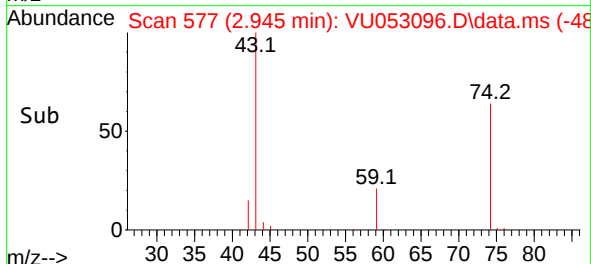
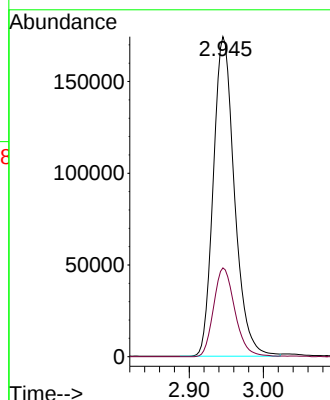
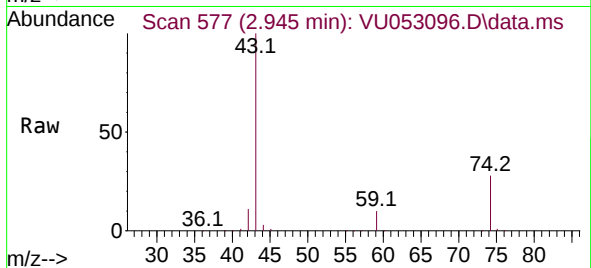
VSTD200003

Tgt Ion: 43 Resp: 344656

Ion Ratio Lower Upper

43 100

74 28.0 22.7 34.1



#16

Methylene chloride

Concen: 199.445 ug/L

RT: 3.042 min Scan# 607

Delta R.T. -0.000 min

Lab File: VU053096.D

Acq: 14 Feb 2023 13:54

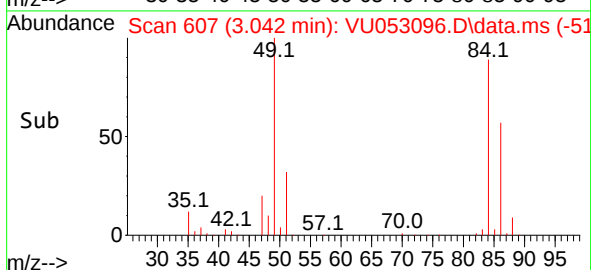
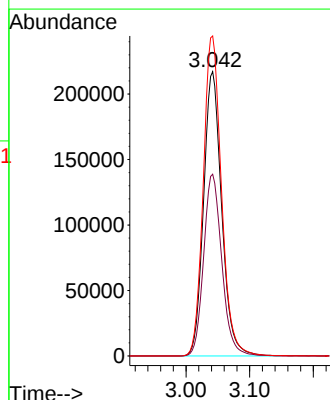
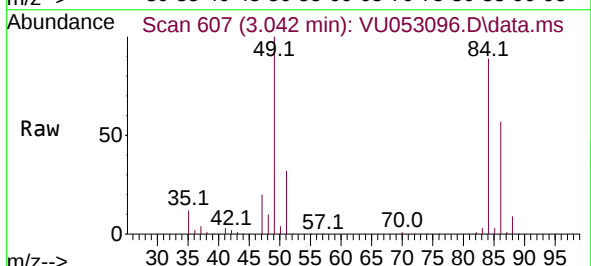
Tgt Ion: 84 Resp: 428834

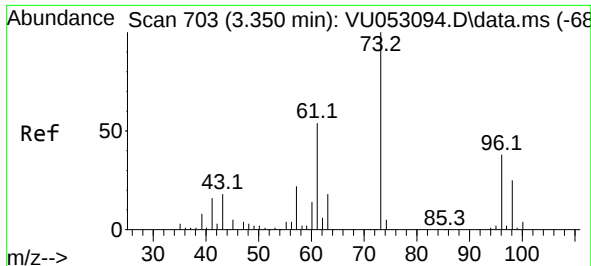
Ion Ratio Lower Upper

84 100

86 63.9 46.2 85.8

49 112.6 78.8 146.3

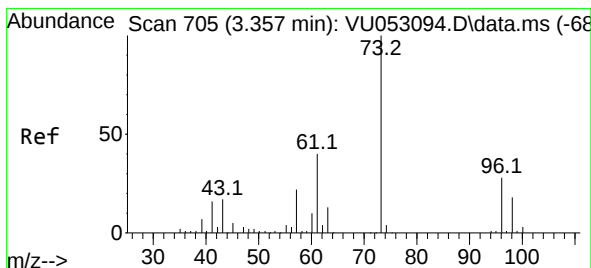
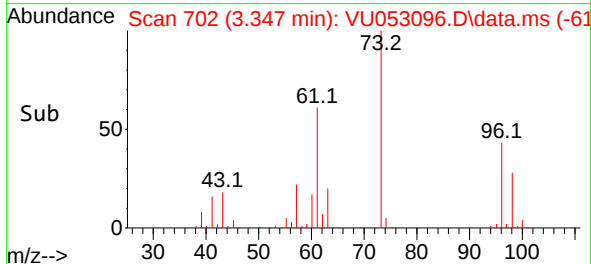
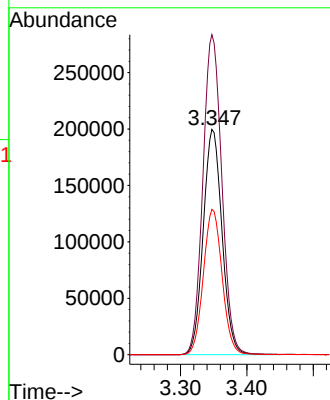
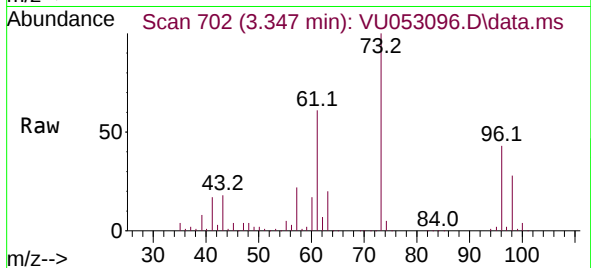




#17
trans-1,2-Dichloroethene
Concen: 207.143 ug/L
RT: 3.347 min Scan# 703
Delta R.T. -0.003 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

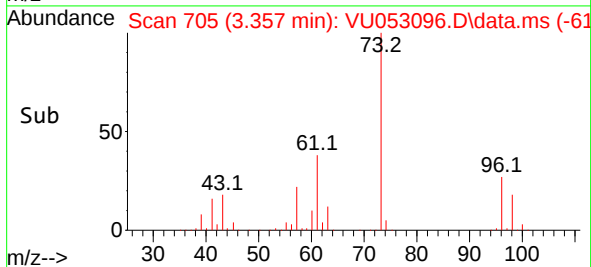
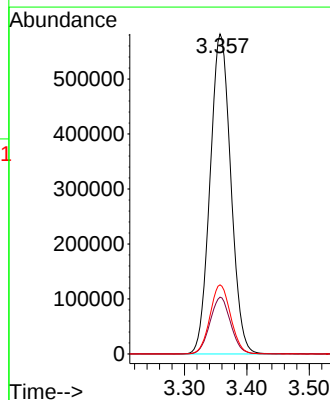
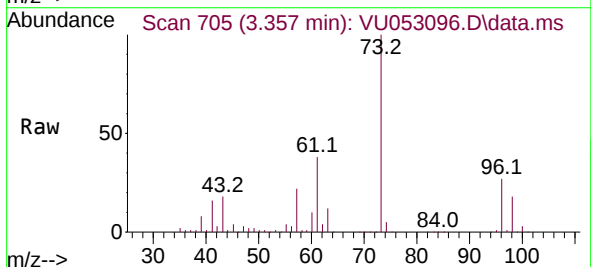
Instrument :
MSVOA_U
ClientSampleId :
VSTD200003

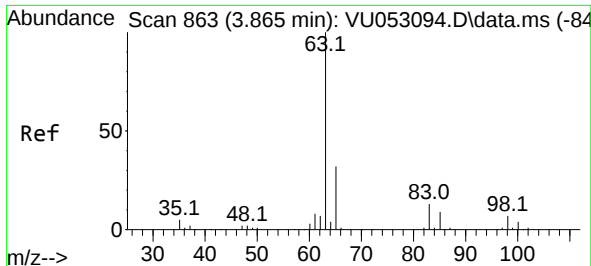
Tgt Ion: 96 Resp: 393474
Ion Ratio Lower Upper
96 100
61 142.1 99.2 184.2
98 64.5 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 223.152 ug/L
RT: 3.357 min Scan# 705
Delta R.T. -0.000 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

Tgt Ion: 73 Resp: 1341062
Ion Ratio Lower Upper
73 100
43 17.7 14.1 21.1
57 21.6 17.4 26.0





#19

1,1-Dichloroethane

Concen: 229.348 ug/L

RT: 3.865 min Scan# 863

Delta R.T. -0.000 min

Lab File: VU053096.D

Acq: 14 Feb 2023 13:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD200003

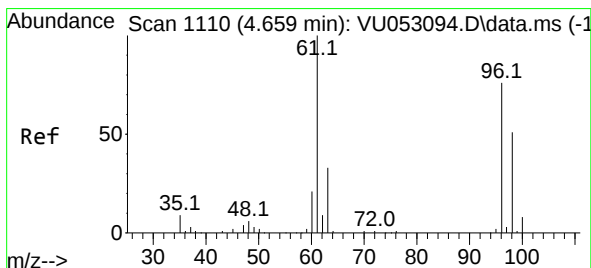
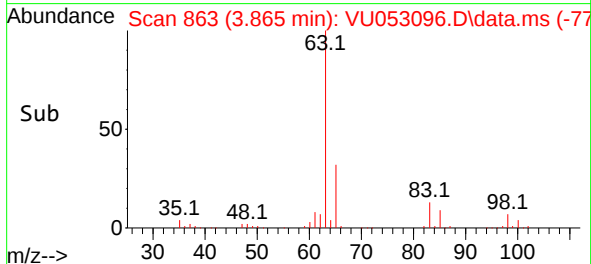
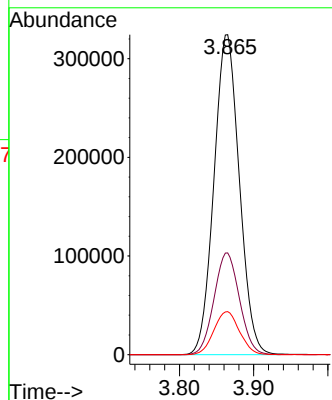
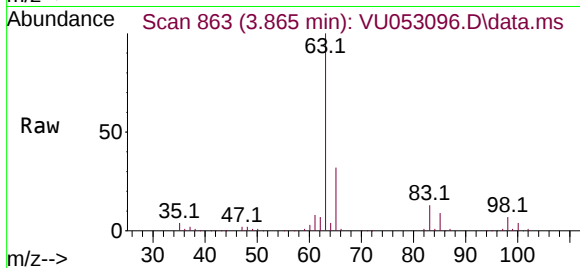
Tgt Ion: 63 Resp: 770002

Ion Ratio Lower Upper

63 100

65 31.8 22.4 41.6

83 13.4 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 212.435 ug/L

RT: 4.659 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VU053096.D

Acq: 14 Feb 2023 13:54

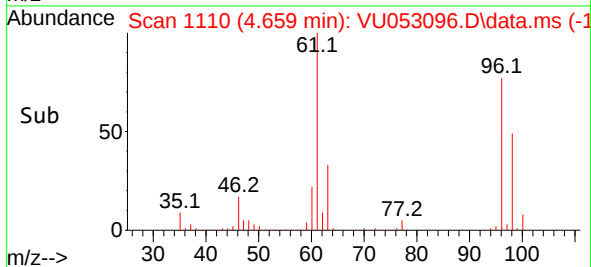
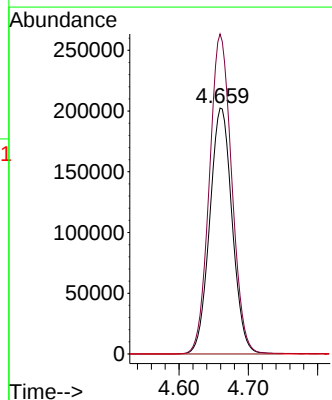
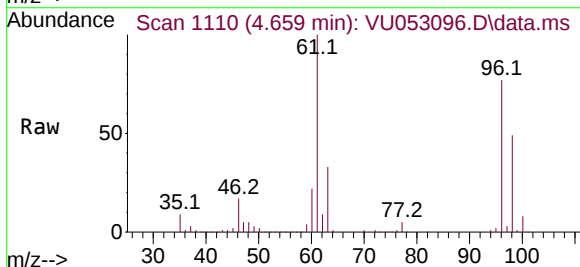
Tgt Ion: 96 Resp: 455162

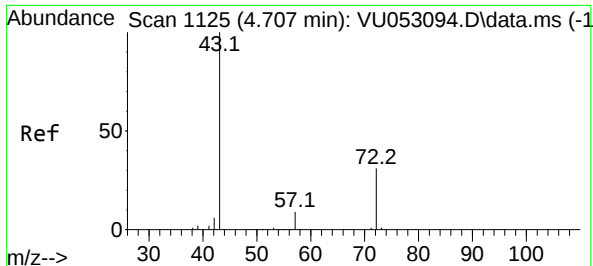
Ion Ratio Lower Upper

96 100

61 130.2 91.9 170.7

68 0.0 0.0 0.0

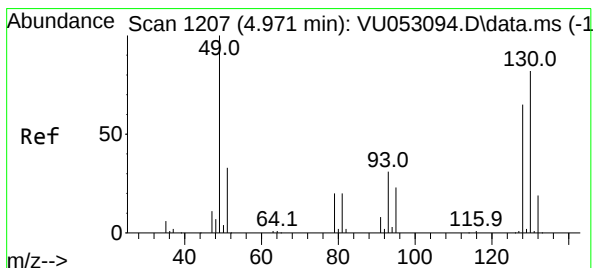
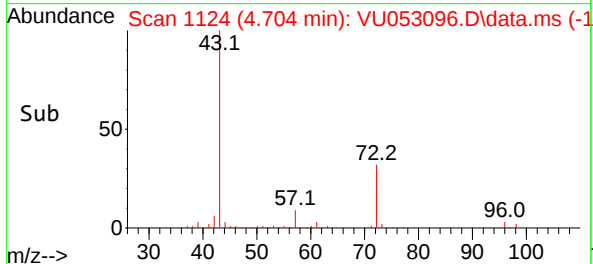
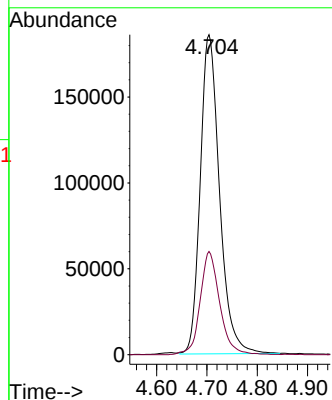
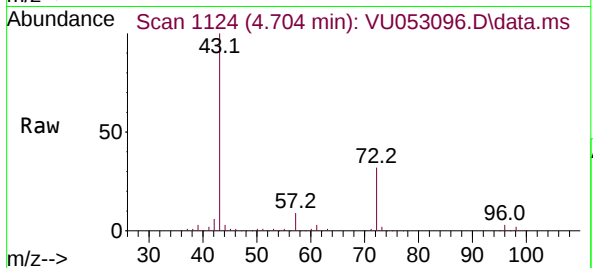




#22
2-Butanone
Concen: 464.738 ug/L
RT: 4.704 min Scan# 1125
Delta R.T. -0.003 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

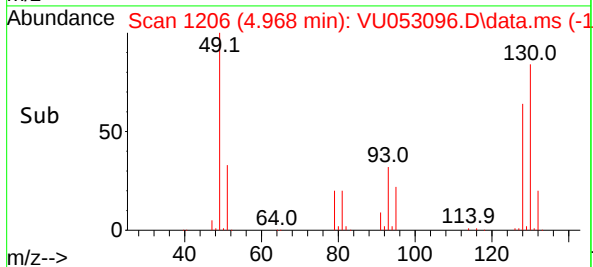
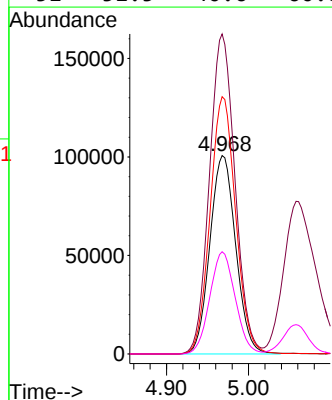
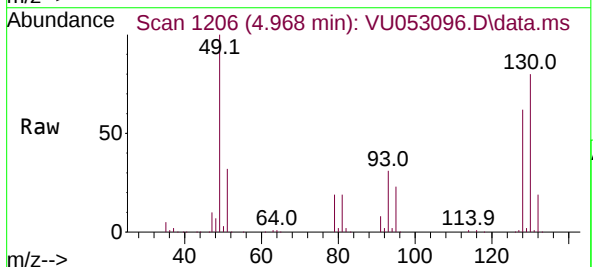
Instrument :
MSVOA_U
ClientSampleId :
VSTD200003

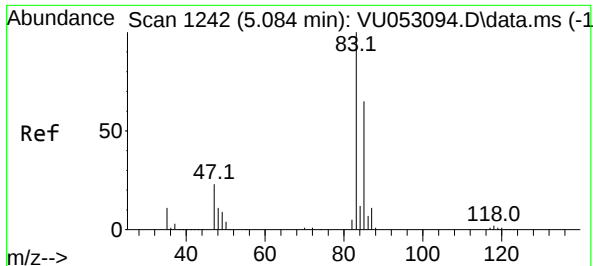
Tgt Ion: 43 Resp: 495048
Ion Ratio Lower Upper
43 100
72 32.6 16.6 49.7



#23
Bromochloromethane
Concen: 194.288 ug/L
RT: 4.968 min Scan# 1206
Delta R.T. -0.003 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

Tgt Ion:128 Resp: 221055
Ion Ratio Lower Upper
128 100
49 161.3 107.6 199.8
130 129.7 87.9 163.3
51 51.5 40.6 60.8





#25

Chloroform

Concen: 215.920 ug/L

RT: 5.080 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053096.D

Acq: 14 Feb 2023 13:54

Instrument :

MSVOA_U

ClientSampleId :

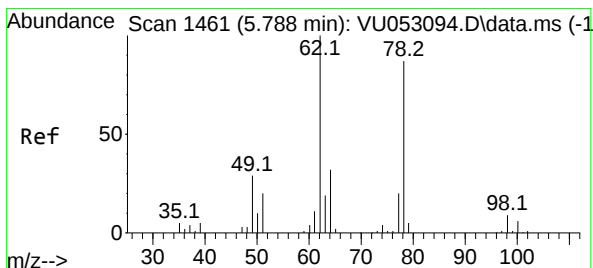
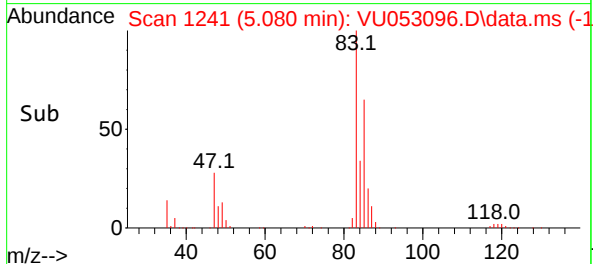
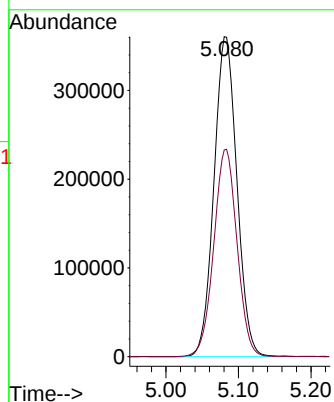
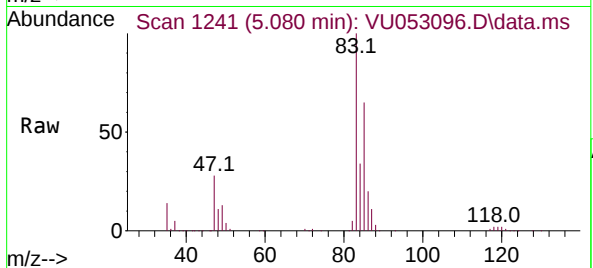
VSTD200003

Tgt Ion: 83 Resp: 791906

Ion Ratio Lower Upper

83 100

85 64.6 45.8 85.0



#27

1,2-Dichloroethane

Concen: 229.670 ug/L

RT: 5.788 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VU053096.D

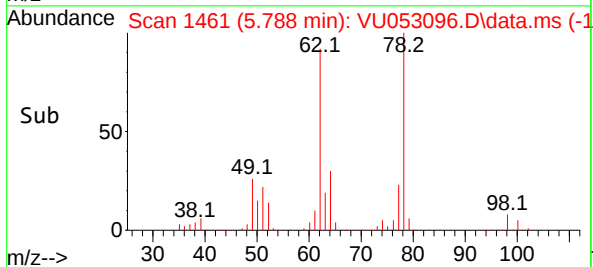
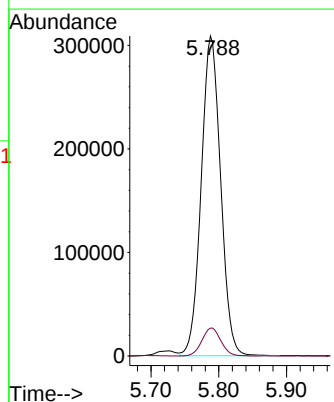
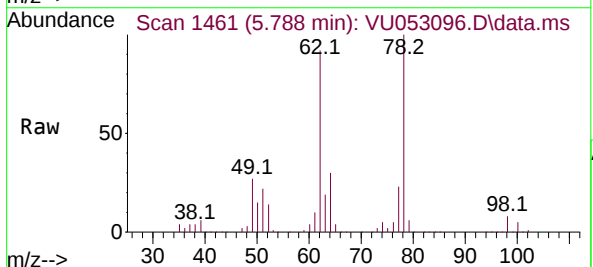
Acq: 14 Feb 2023 13:54

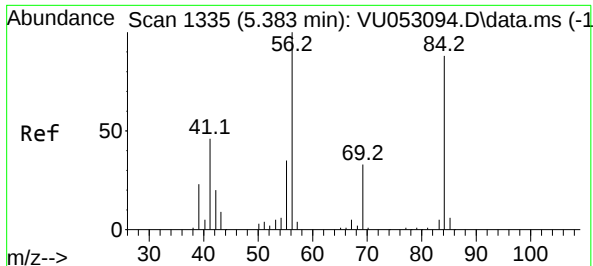
Tgt Ion: 62 Resp: 614302

Ion Ratio Lower Upper

62 100

98 8.7 7.2 10.8





#29

Cyclohexane

Concen: 229.738 ug/L

RT: 5.386 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU053096.D

Acq: 14 Feb 2023 13:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD200003

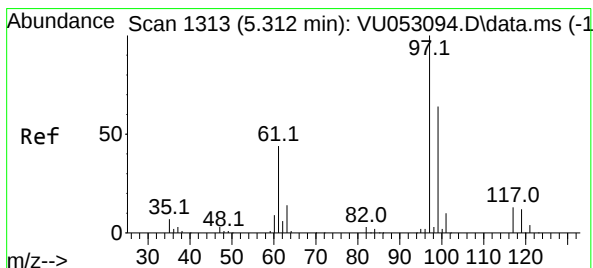
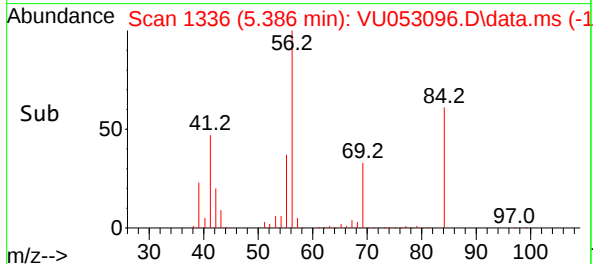
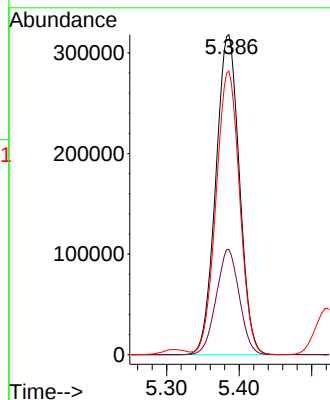
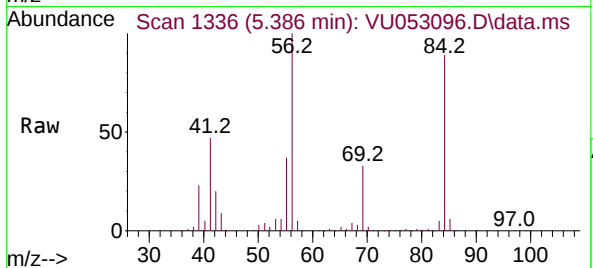
Tgt Ion: 56 Resp: 718491

Ion Ratio Lower Upper

56 100

69 32.3 25.9 38.9

84 88.8 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 207.085 ug/L

RT: 5.312 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VU053096.D

Acq: 14 Feb 2023 13:54

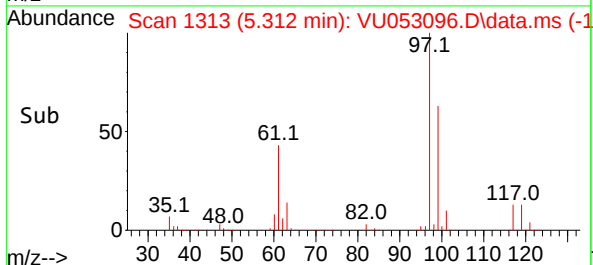
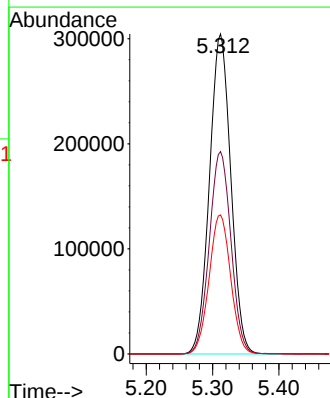
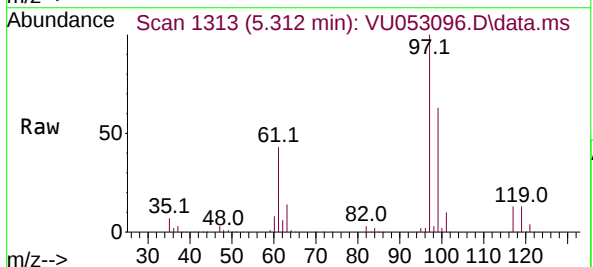
Tgt Ion: 97 Resp: 681004

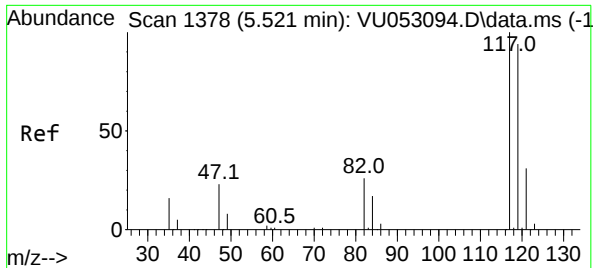
Ion Ratio Lower Upper

97 100

99 64.3 51.3 76.9

61 44.1 35.3 52.9

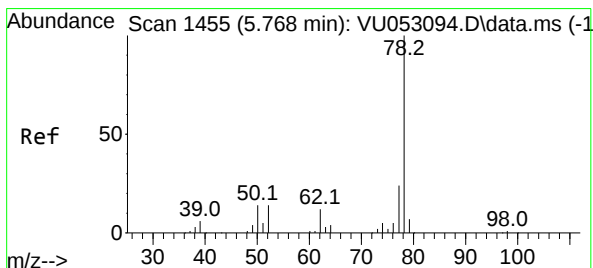
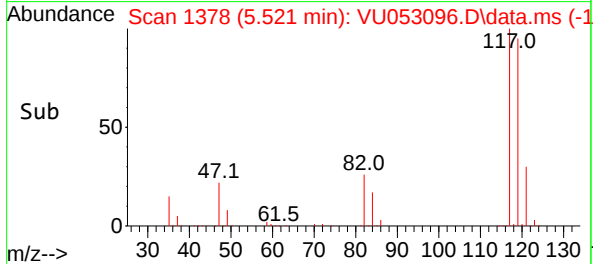
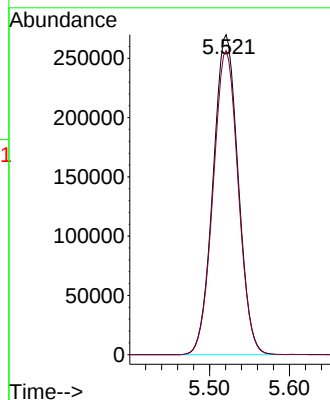
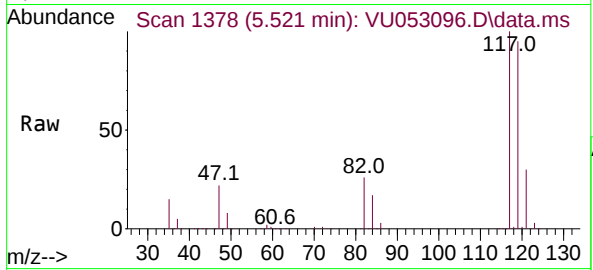




#31
Carbon tetrachloride
Concen: 205.280 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

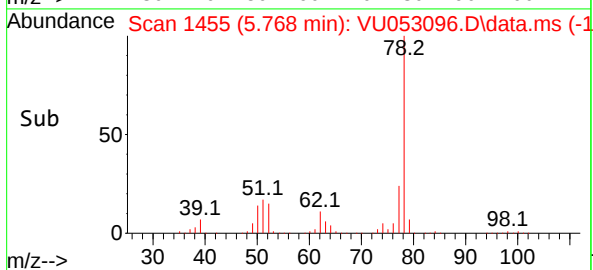
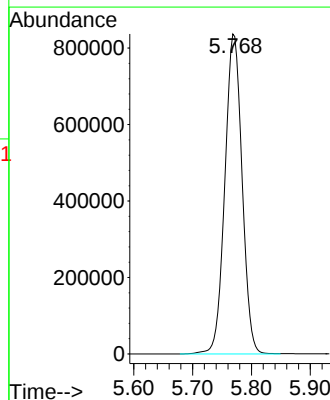
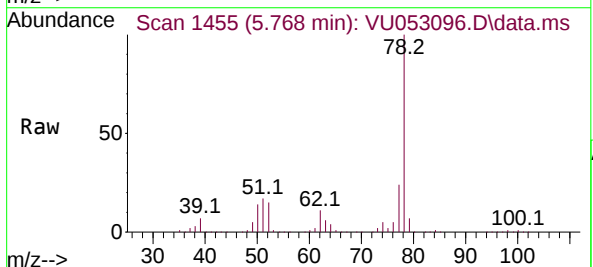
Instrument :
MSVOA_U
ClientSampleId :
VSTD200003

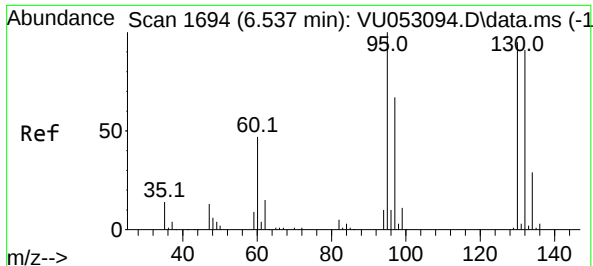
Tgt Ion:117 Resp: 587535
Ion Ratio Lower Upper
117 100
119 95.1 75.9 113.9



#33
Benzene
Concen: 214.900 ug/L
RT: 5.768 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

Tgt Ion: 78 Resp: 1702096

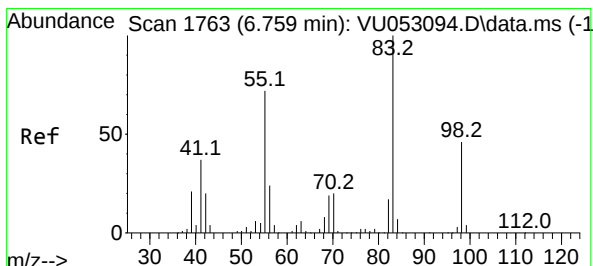
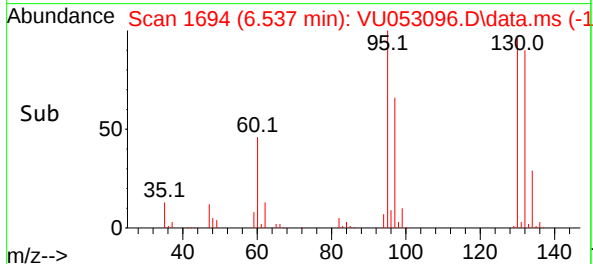
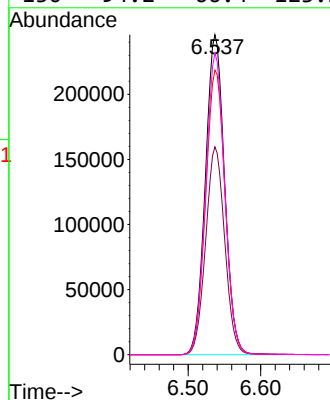
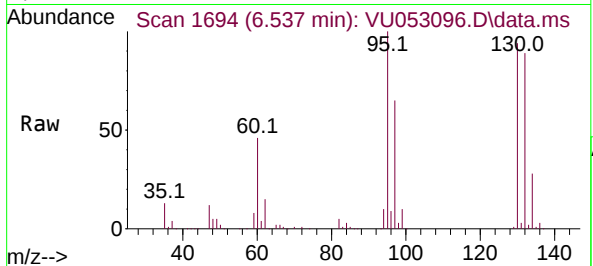




#34
Trichloroethene
Concen: 211.761 ug/L
RT: 6.537 min Scan# 1694
Delta R.T. -0.000 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

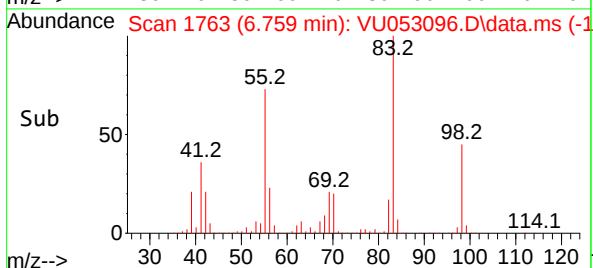
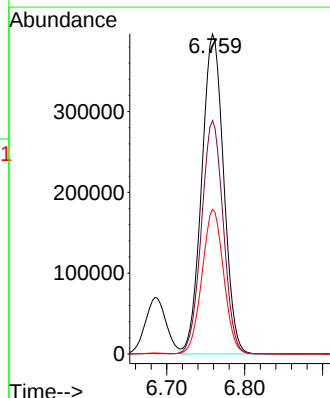
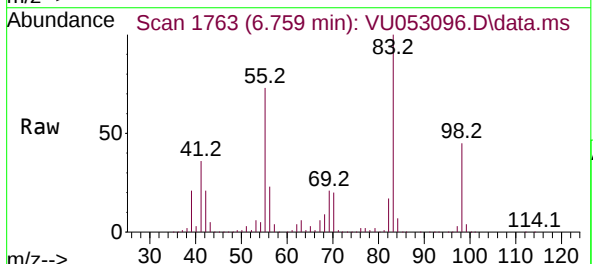
Instrument :
MSVOA_U
ClientSampleId :
VSTD200003

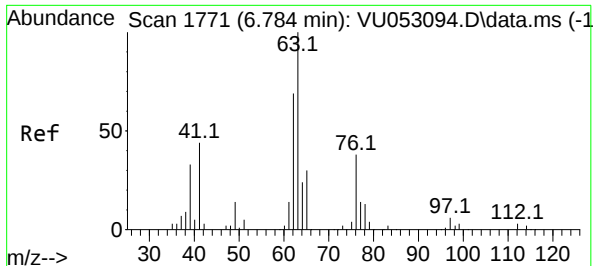
Tgt Ion: 95 Resp: 451871
Ion Ratio Lower Upper
95 100
97 65.0 47.1 87.5
132 88.9 63.6 118.2
130 94.2 66.4 123.2



#35
Methylcyclohexane
Concen: 212.809 ug/L
RT: 6.759 min Scan# 1763
Delta R.T. -0.000 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

Tgt Ion: 83 Resp: 774588
Ion Ratio Lower Upper
83 100
55 72.4 57.4 86.2
98 44.8 36.1 54.1





#37

1,2-Dichloropropane

Concen: 229.234 ug/L

RT: 6.784 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053096.D

Acq: 14 Feb 2023 13:54

Instrument :

MSVOA_U

ClientSampleId :

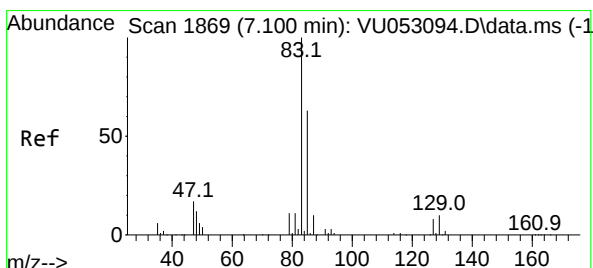
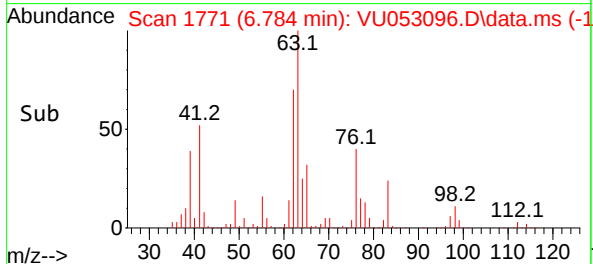
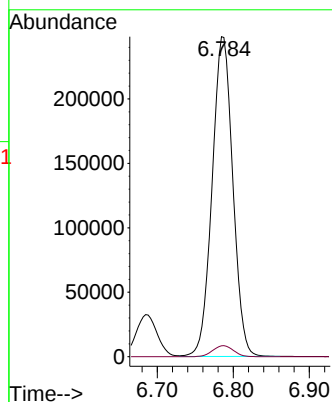
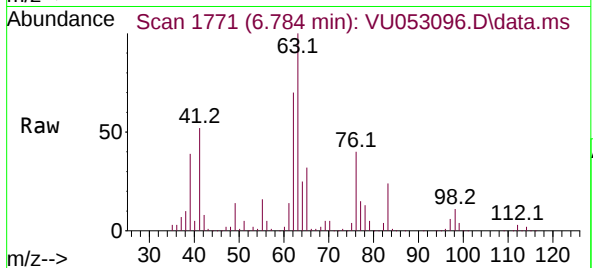
VSTD200003

Tgt Ion: 63 Resp: 469702

Ion Ratio Lower Upper

63 100

112 3.4 2.7 4.1



#38

Bromodichloromethane

Concen: 210.719 ug/L

RT: 7.099 min Scan# 1869

Delta R.T. -0.000 min

Lab File: VU053096.D

Acq: 14 Feb 2023 13:54

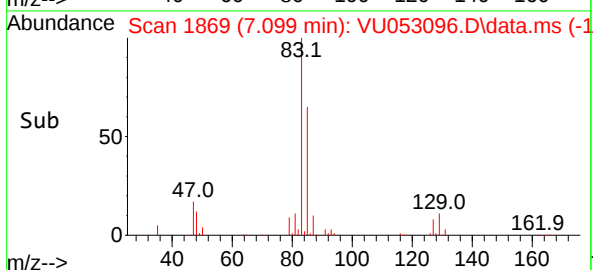
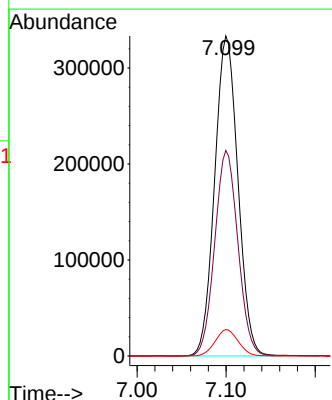
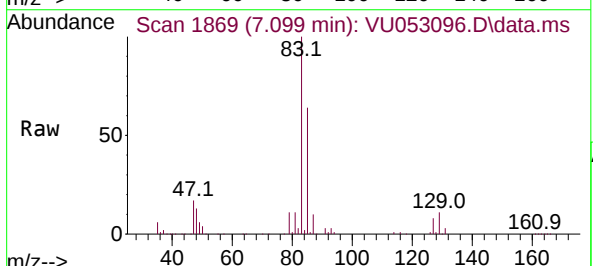
Tgt Ion: 83 Resp: 605337

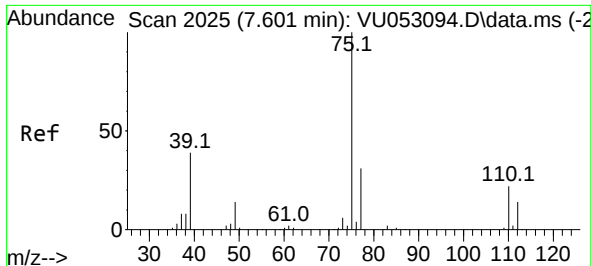
Ion Ratio Lower Upper

83 100

85 64.2 44.2 82.0

127 8.3 6.2 9.2

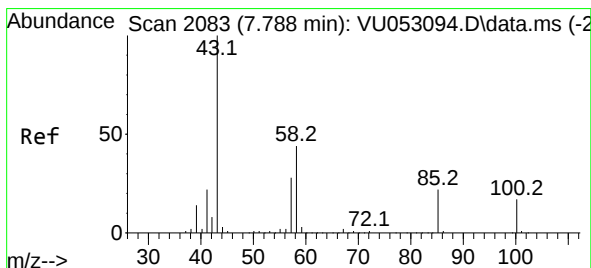
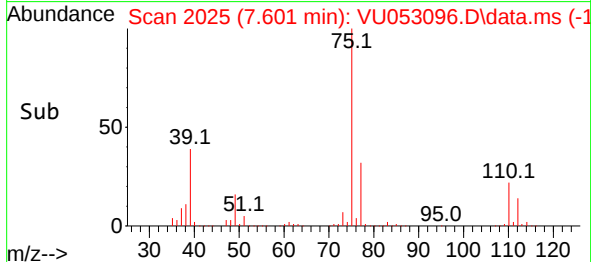
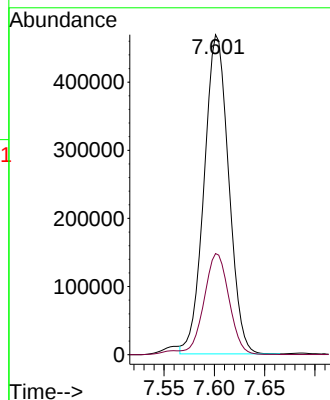
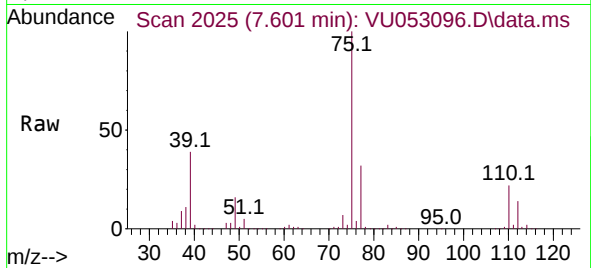




#39
 cis-1,3-Dichloropropene
 Concen: 228.842 ug/L
 RT: 7.601 min Scan# 2025
 Delta R.T. -0.000 min
 Lab File: VU053096.D
 Acq: 14 Feb 2023 13:54

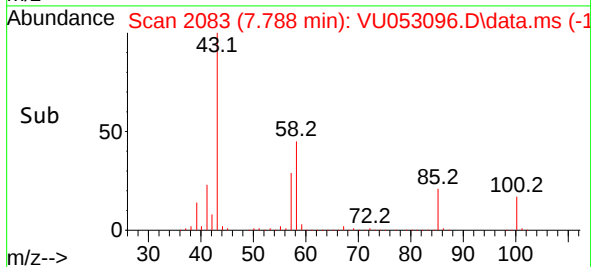
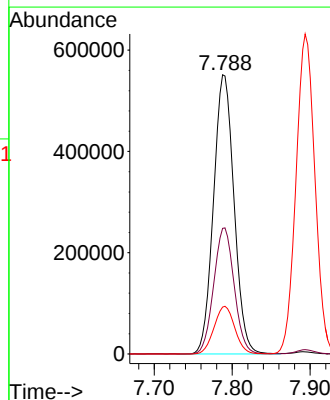
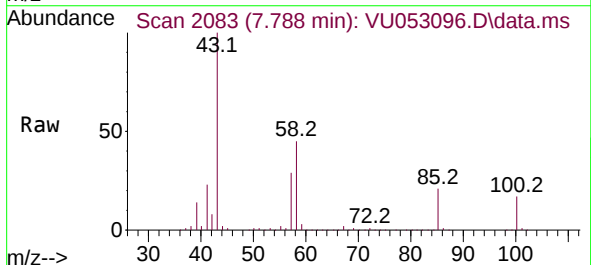
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200003

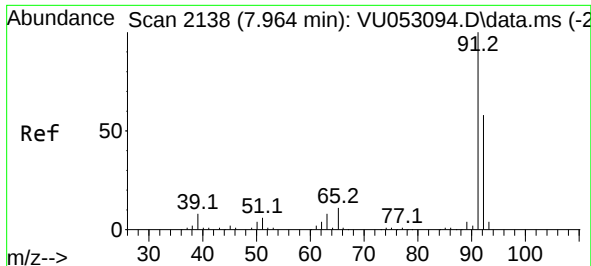
Tgt Ion: 75 Resp: 796374
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 499.123 ug/L
 RT: 7.788 min Scan# 2083
 Delta R.T. -0.000 min
 Lab File: VU053096.D
 Acq: 14 Feb 2023 13:54

Tgt Ion: 43 Resp: 1008413
 Ion Ratio Lower Upper
 43 100
 58 45.0 35.9 53.9
 100 17.2 13.7 20.5





#42

Toluene

Concen: 209.015 ug/L

RT: 7.964 min Scan# 2138

Delta R.T. -0.000 min

Lab File: VU053096.D

Acq: 14 Feb 2023 13:54

Instrument :

MSVOA_U

ClientSampleId :

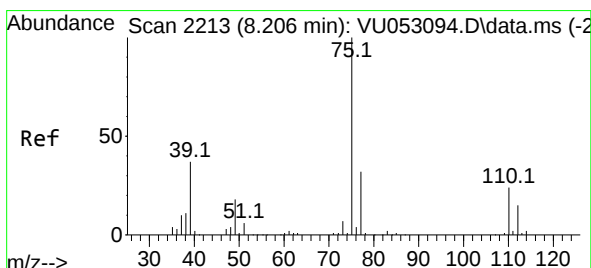
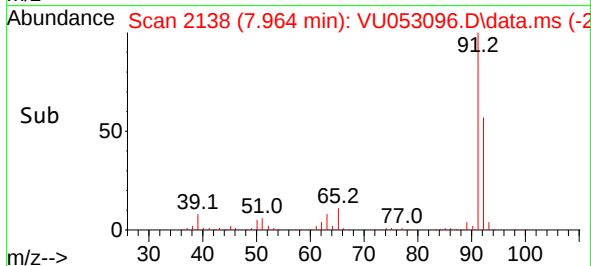
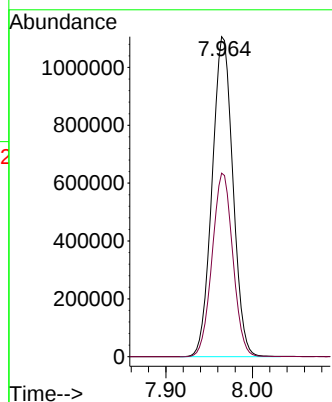
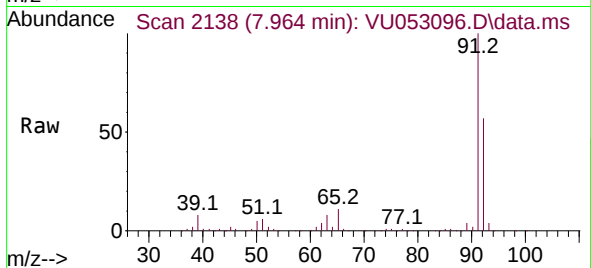
VSTD200003

Tgt Ion: 91 Resp: 1847365

Ion Ratio Lower Upper

91 100

92 57.3 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 224.443 ug/L

RT: 8.206 min Scan# 2213

Delta R.T. -0.000 min

Lab File: VU053096.D

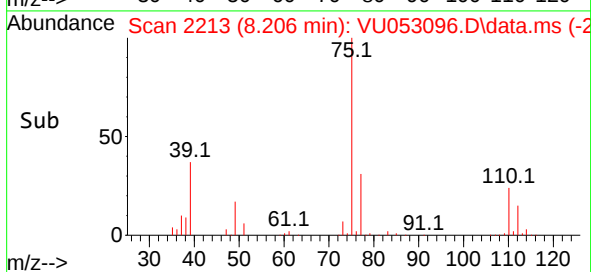
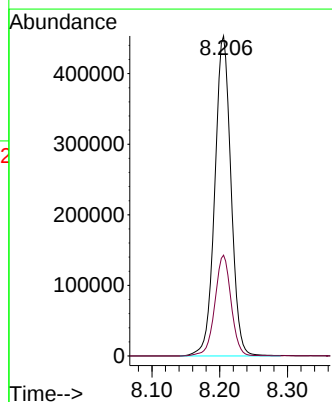
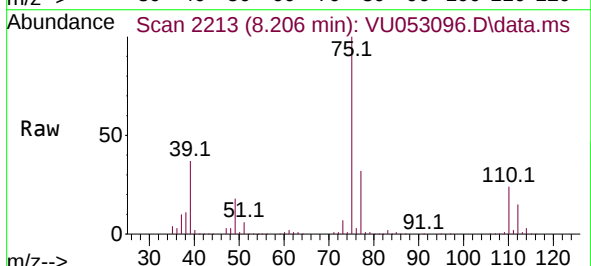
Acq: 14 Feb 2023 13:54

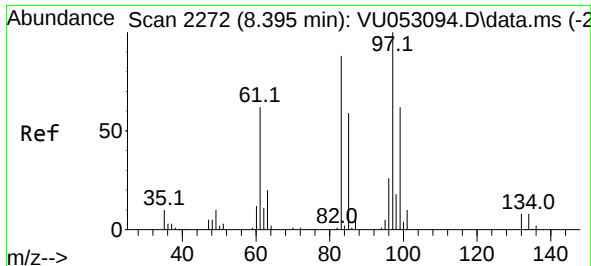
Tgt Ion: 75 Resp: 752283

Ion Ratio Lower Upper

75 100

77 31.5 22.2 41.2



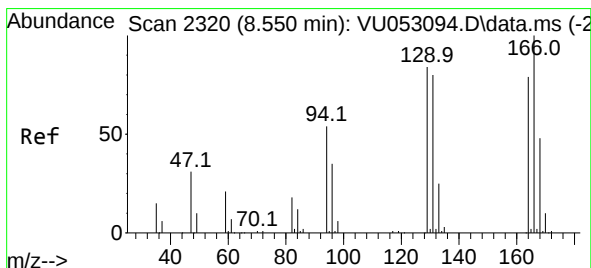
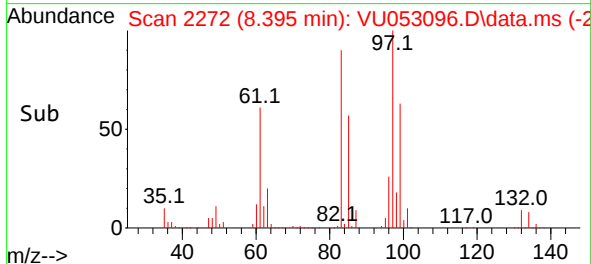
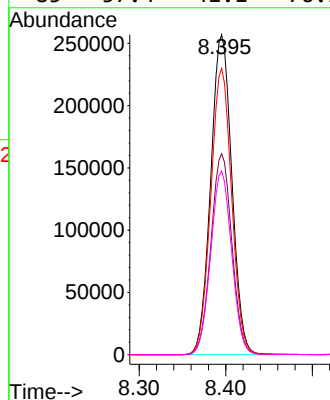
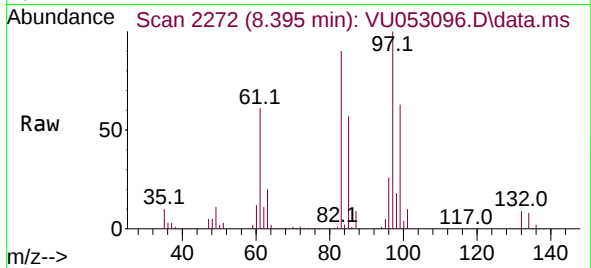


#45
1,1,2-Trichloroethane
Concen: 211.120 ug/L
RT: 8.395 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD200003

Tgt Ion: 97 Resp: 435397

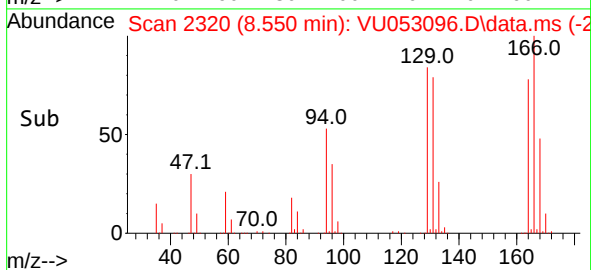
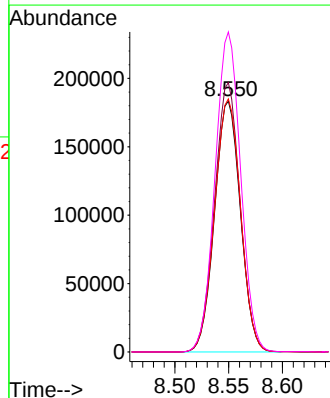
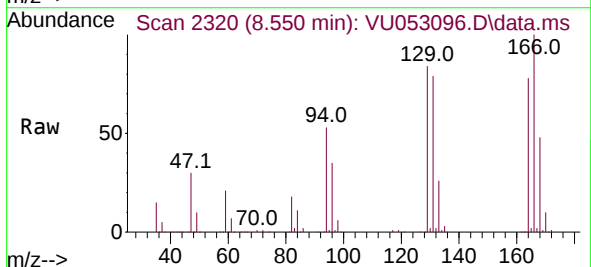
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.7	81.1
83	89.5	61.7	114.5
85	57.4	41.1	76.3

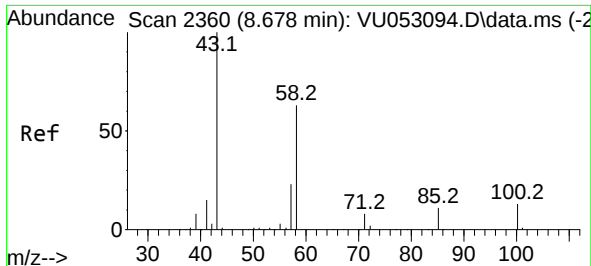


#46
Tetrachloroethene
Concen: 187.837 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. -0.000 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

Tgt Ion: 164 Resp: 306505

Ion	Ratio	Lower	Upper
164	100		
129	107.4	74.8	139.0
131	100.9	70.7	131.3
166	127.6	88.6	164.6



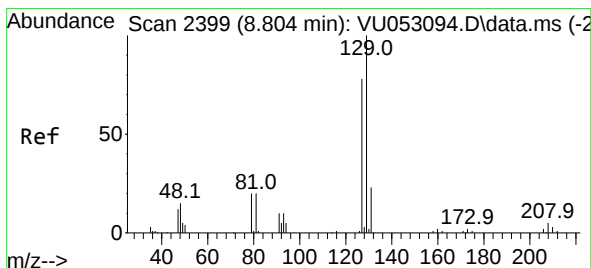
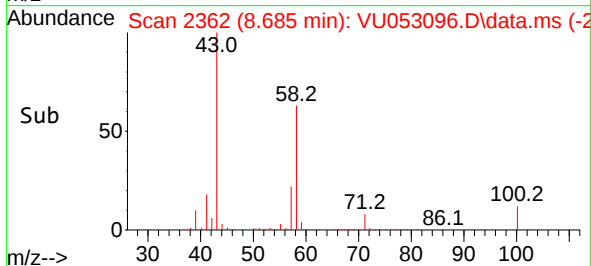
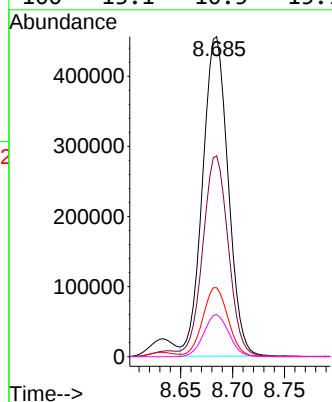
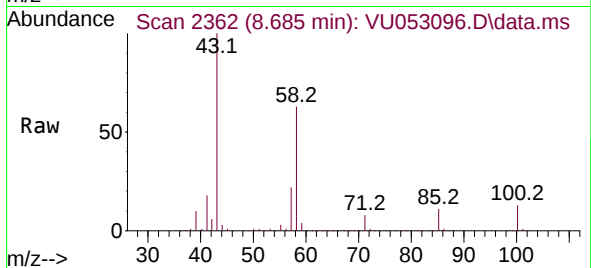


#48
2-Hexanone
Concen: 488.622 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD200003

Tgt Ion: 43 Resp: 778410

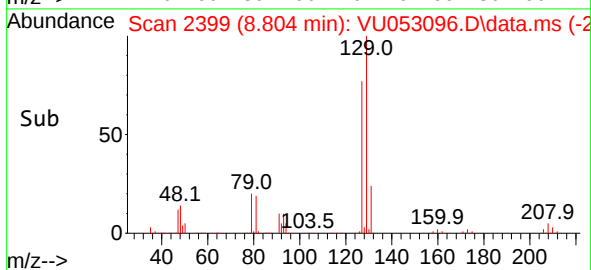
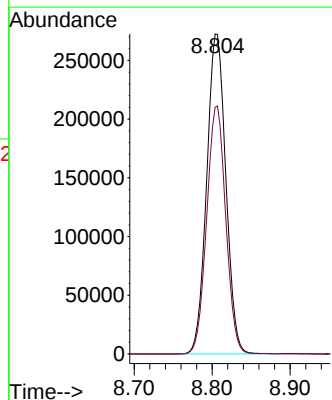
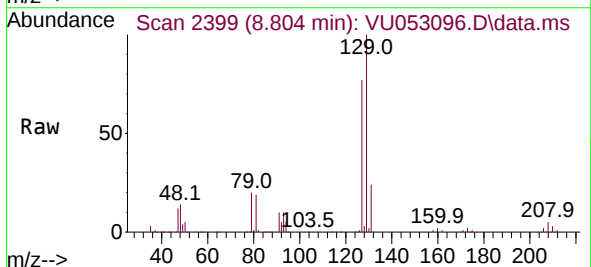
Ion	Ratio	Lower	Upper
43	100		
58	63.0	50.0	75.0
57	21.6	17.7	26.5
100	13.1	10.5	15.7

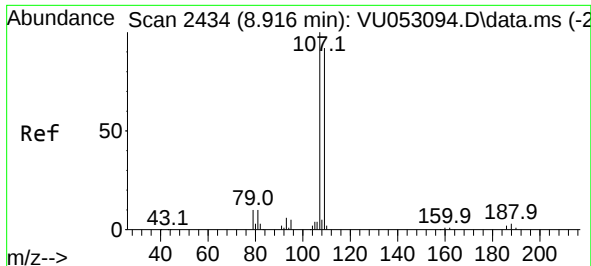


#49
Dibromochloromethane
Concen: 193.945 ug/L
RT: 8.804 min Scan# 2399
Delta R.T. -0.000 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

Tgt Ion: 129 Resp: 464944

Ion	Ratio	Lower	Upper
129	100		
127	77.0	54.9	101.9





#50

1,2-Dibromoethane

Concen: 208.971 ug/L

RT: 8.919 min Scan# 24

Delta R.T. 0.003 min

Lab File: VU053096.D

Acq: 14 Feb 2023 13:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD200003

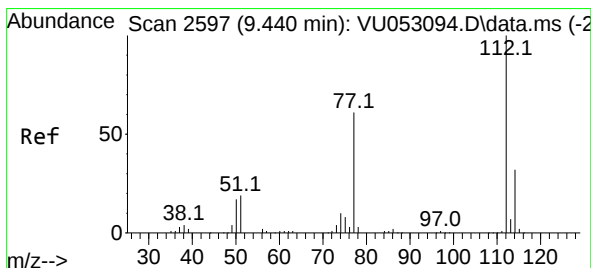
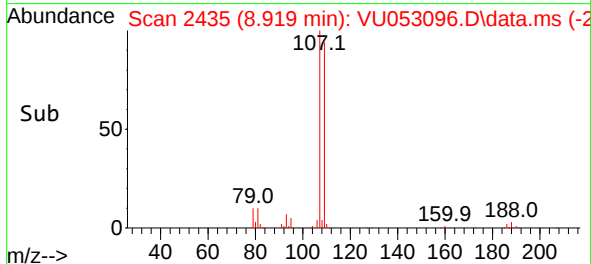
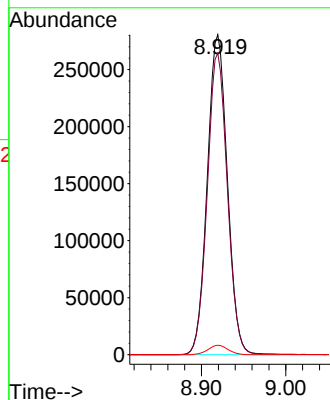
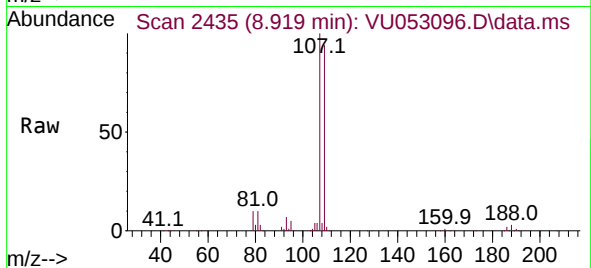
Tgt Ion:107 Resp: 465479

Ion Ratio Lower Upper

107 100

109 94.2 64.5 119.9

188 3.0 2.2 3.4



#51

Chlorobenzene

Concen: 205.285 ug/L

RT: 9.443 min Scan# 2598

Delta R.T. 0.003 min

Lab File: VU053096.D

Acq: 14 Feb 2023 13:54

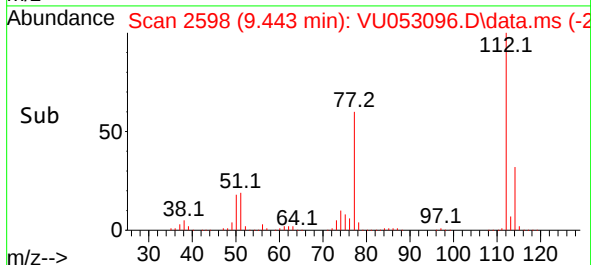
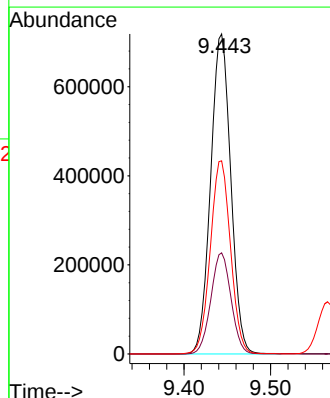
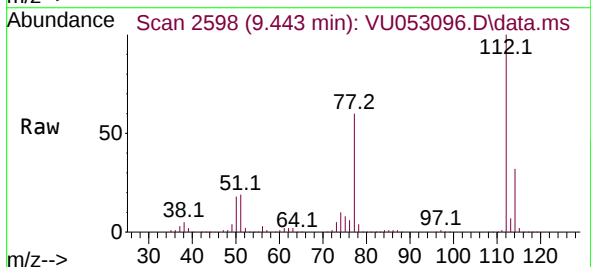
Tgt Ion:112 Resp: 1159808

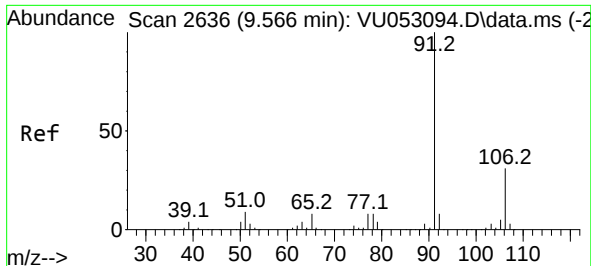
Ion Ratio Lower Upper

112 100

114 31.6 22.3 41.3

77 60.4 48.8 73.2

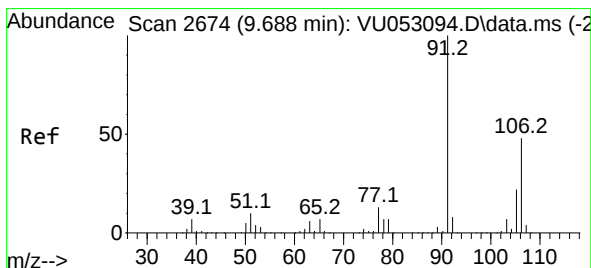
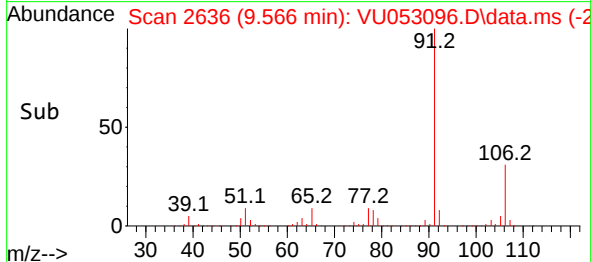
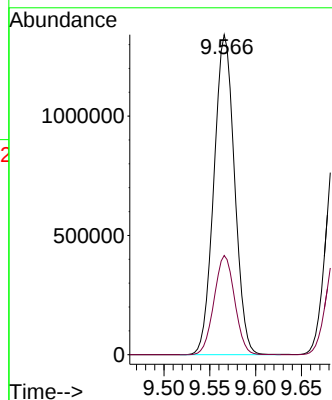
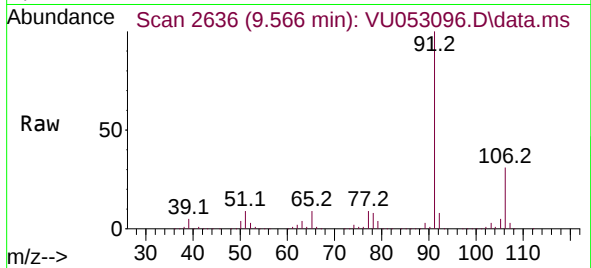




#52
Ethylbenzene
Concen: 214.090 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. -0.000 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

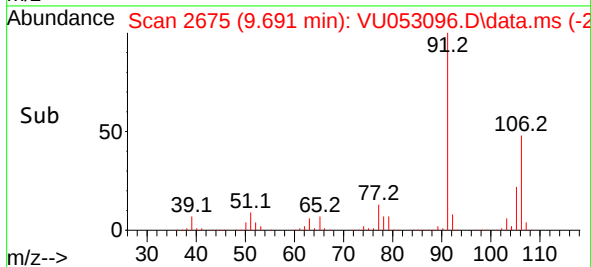
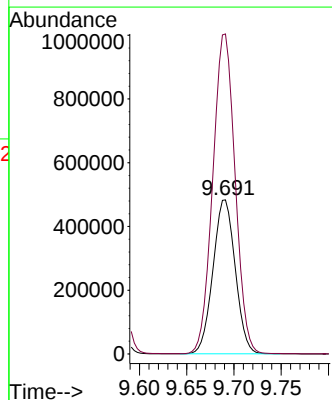
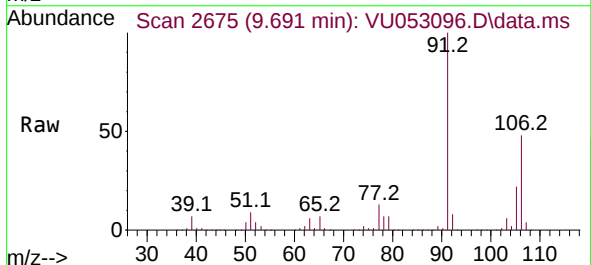
Instrument :
MSVOA_U
ClientSampleId :
VSTD200003

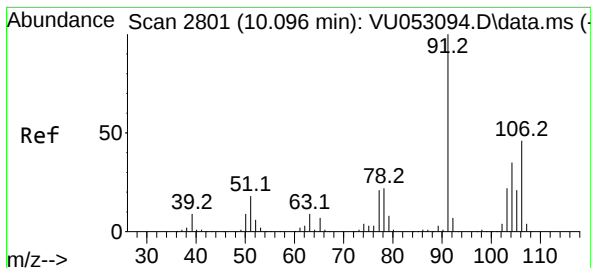
Tgt Ion: 91 Resp: 2093710
Ion Ratio Lower Upper
91 100
106 31.0 21.5 39.9



#53
m,p-Xylene
Concen: 206.614 ug/L
RT: 9.691 min Scan# 2675
Delta R.T. 0.003 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

Tgt Ion: 106 Resp: 791732
Ion Ratio Lower Upper
106 100
91 207.7 145.6 270.4





#54

o-xylene

Concen: 207.928 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. -0.000 min

Lab File: VU053096.D

Acq: 14 Feb 2023 13:54

Instrument :

MSVOA_U

ClientSampleId :

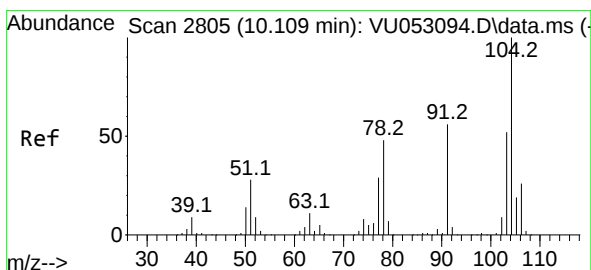
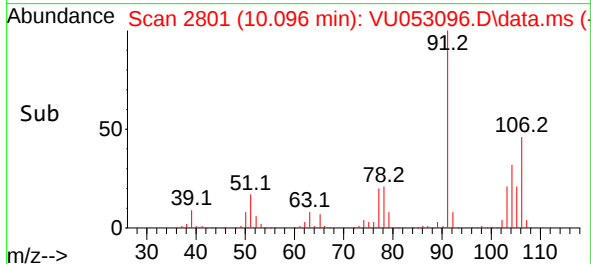
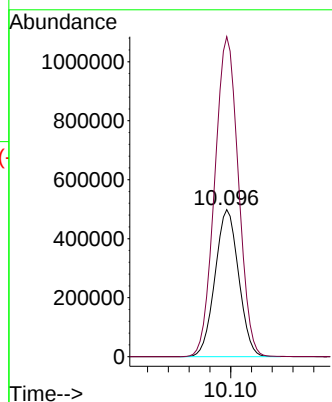
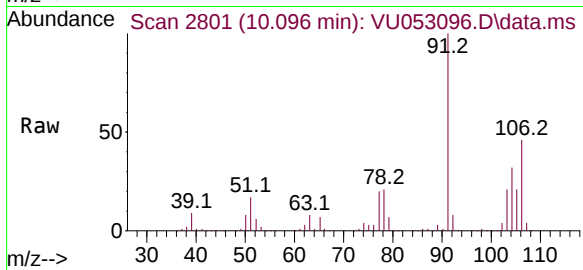
VSTD200003

Tgt Ion:106 Resp: 787233

Ion Ratio Lower Upper

106 100

91 217.7 152.8 283.8



#55

Styrene

Concen: 209.814 ug/L

RT: 10.109 min Scan# 2805

Delta R.T. -0.000 min

Lab File: VU053096.D

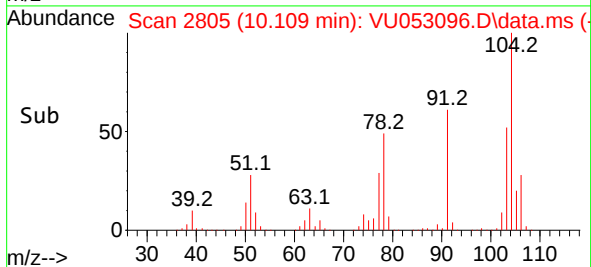
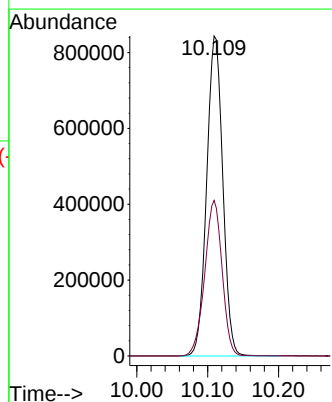
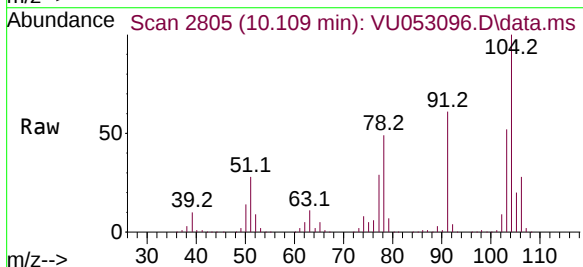
Acq: 14 Feb 2023 13:54

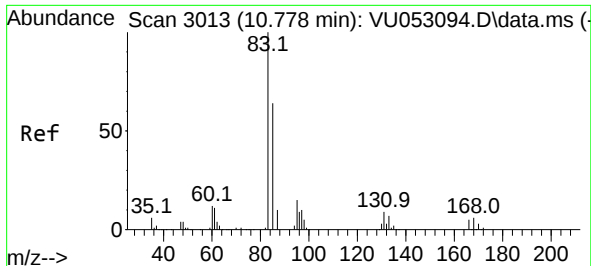
Tgt Ion:104 Resp: 1331944

Ion Ratio Lower Upper

104 100

78 48.6 33.6 62.4

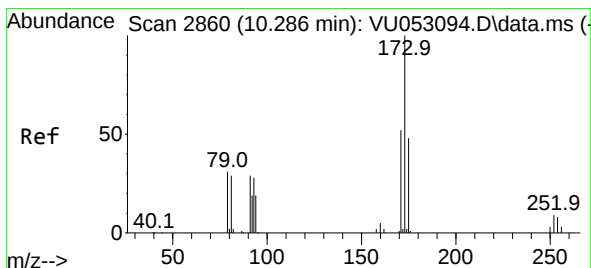
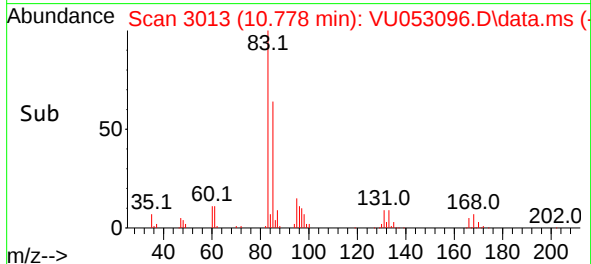
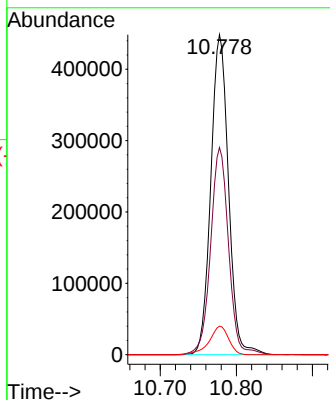
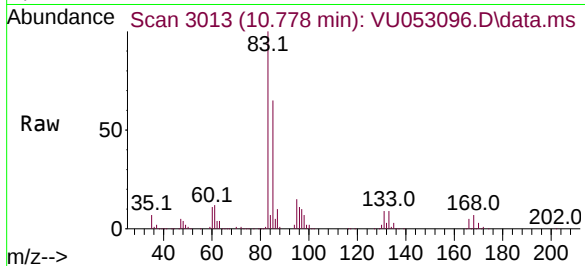




#57
1,1,2,2-Tetrachloroethane
Concen: 224.651 ug/L
RT: 10.778 min Scan# 3013
Delta R.T. -0.000 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

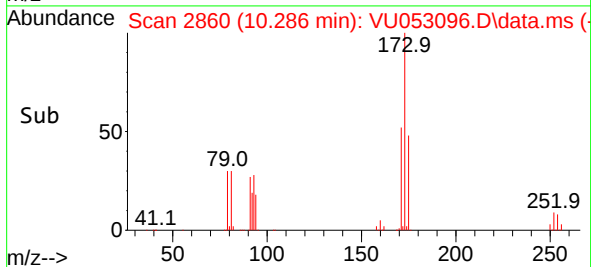
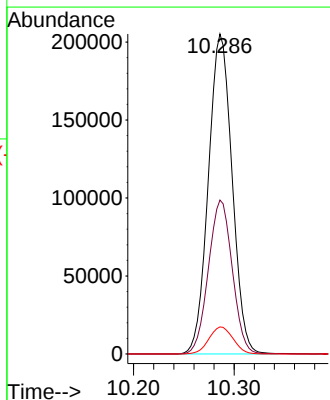
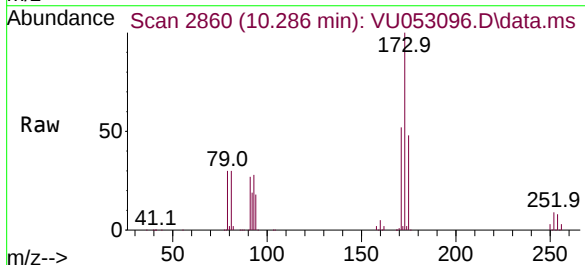
Instrument :
MSVOA_U
ClientSampleId :
VSTD200003

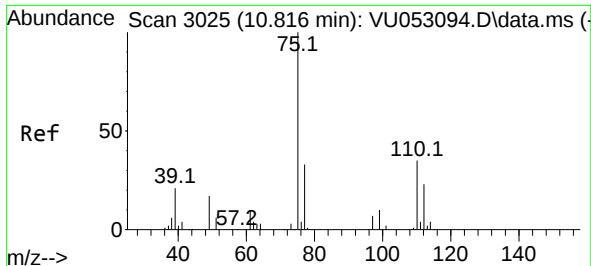
Tgt Ion: 83 Resp: 722827
Ion Ratio Lower Upper
83 100
85 64.7 44.7 82.9
131 8.9 7.2 10.8



#59
Bromoform
Concen: 190.724 ug/L
RT: 10.286 min Scan# 2860
Delta R.T. -0.000 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

Tgt Ion:173 Resp: 335975
Ion Ratio Lower Upper
173 100
175 48.4 38.8 58.2
254 8.6 6.4 9.6

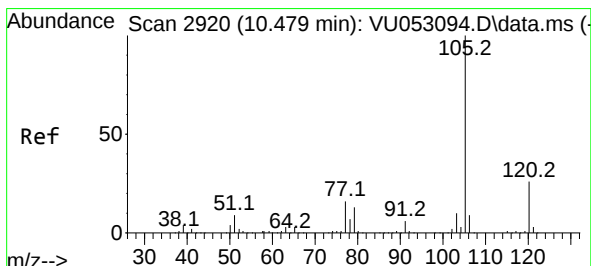
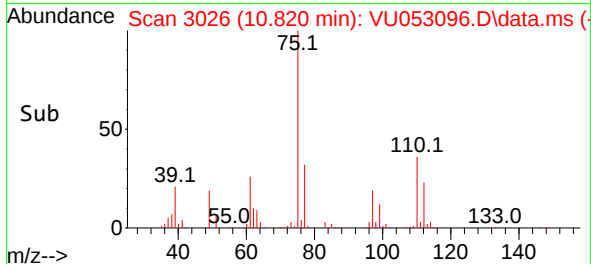
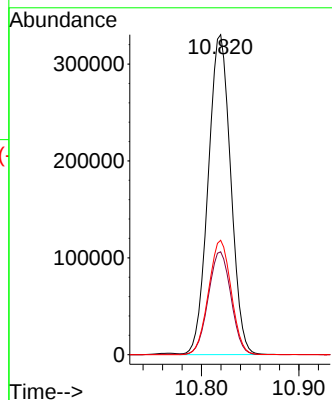
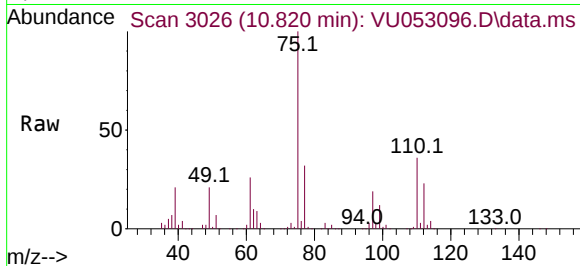




#60
1,2,3-Trichloropropane
Concen: 225.606 ug/L
RT: 10.820 min Scan# 3026
Delta R.T. 0.003 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

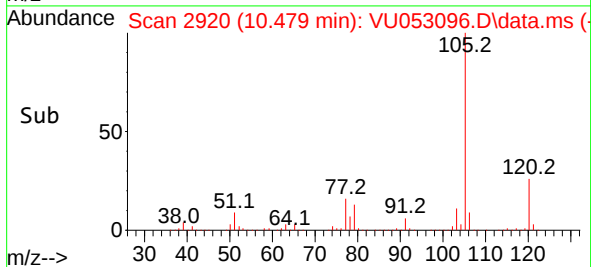
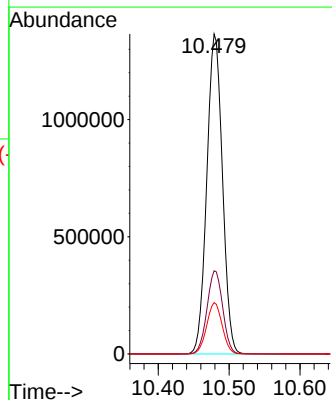
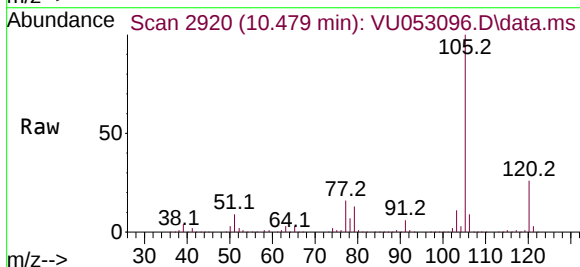
Instrument :
MSVOA_U
ClientSampleId :
VSTD200003

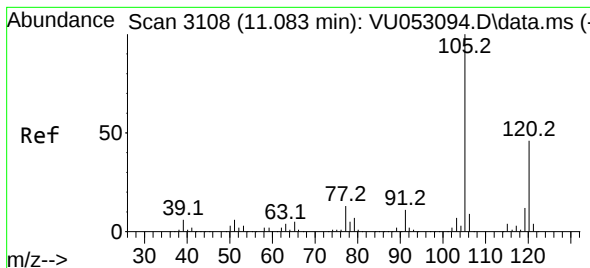
Tgt Ion: 75 Resp: 529518
Ion Ratio Lower Upper
75 100
77 32.5 26.6 39.8
110 35.9 28.6 42.8



#61
Isopropylbenzene
Concen: 215.182 ug/L
RT: 10.479 min Scan# 2920
Delta R.T. -0.000 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

Tgt Ion: 105 Resp: 2088897
Ion Ratio Lower Upper
105 100
120 26.1 20.8 31.2
77 15.9 12.8 19.2





#62

1,3,5-Trimethylbenzene

Concen: 211.002 ug/L

RT: 11.083 min Scan# 3108

Delta R.T. -0.000 min

Lab File: VU053096.D

Acq: 14 Feb 2023 13:54

Instrument :

MSVOA_U

ClientSampleId :

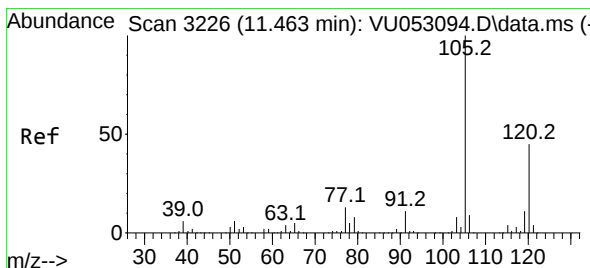
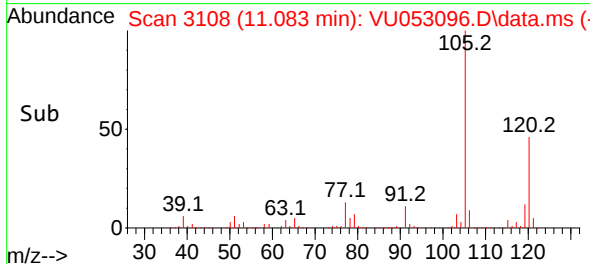
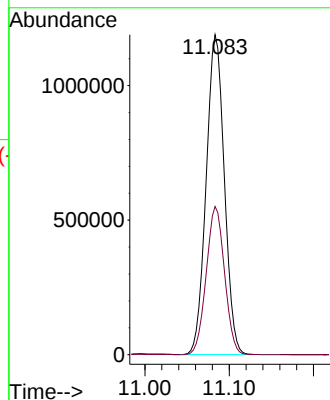
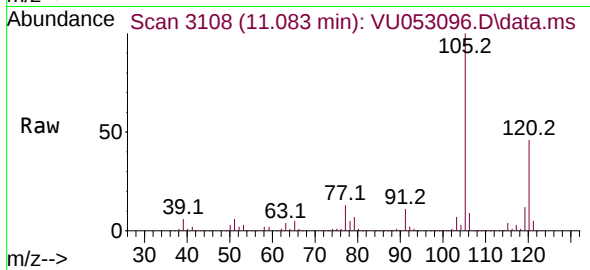
VSTD200003

Tgt Ion:105 Resp: 1782212

Ion Ratio Lower Upper

105 100

120 46.7 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 210.527 ug/L

RT: 11.463 min Scan# 3226

Delta R.T. -0.000 min

Lab File: VU053096.D

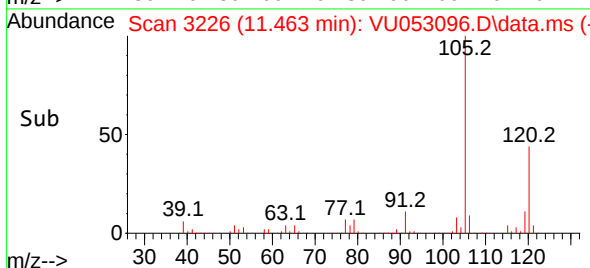
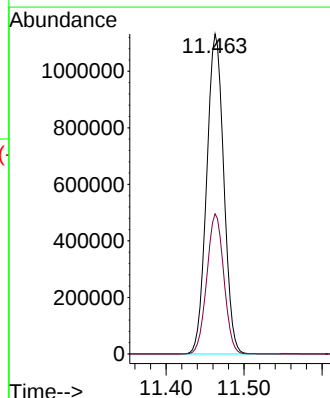
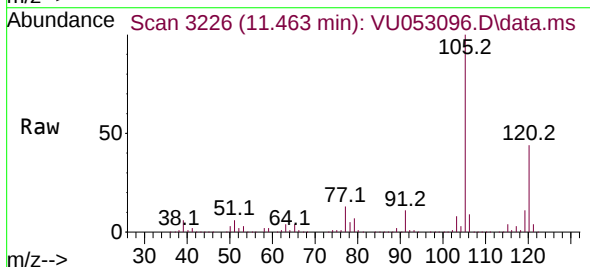
Acq: 14 Feb 2023 13:54

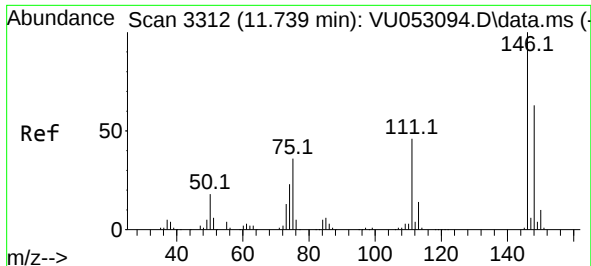
Tgt Ion:105 Resp: 1725084

Ion Ratio Lower Upper

105 100

120 43.5 35.4 53.2

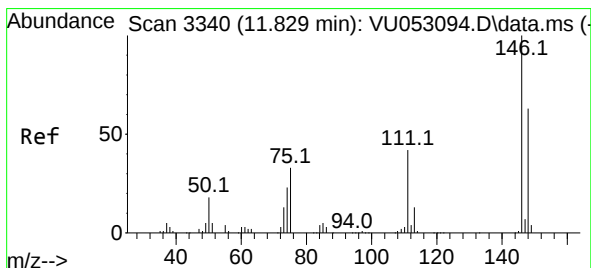
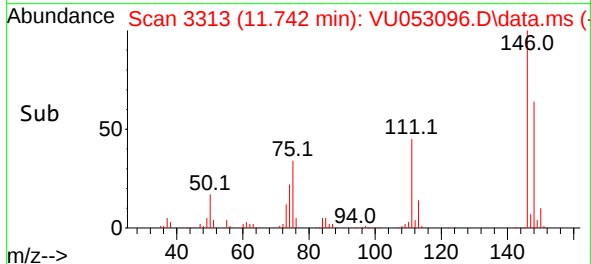
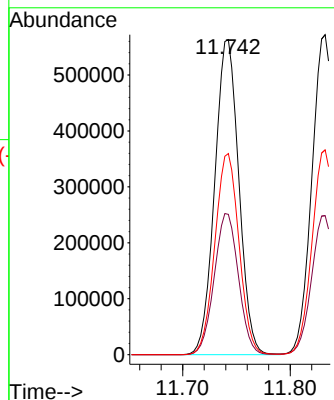
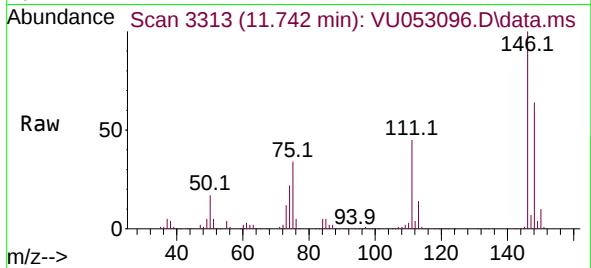




#64
1,3-Dichlorobenzene
Concen: 206.552 ug/L
RT: 11.742 min Scan# 3312
Delta R.T. 0.003 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

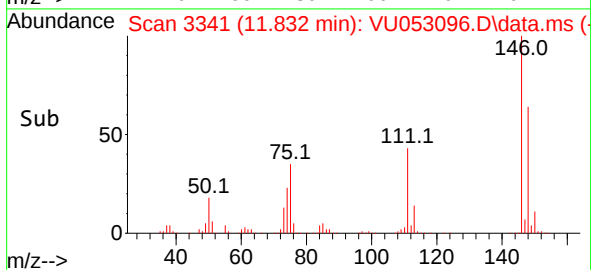
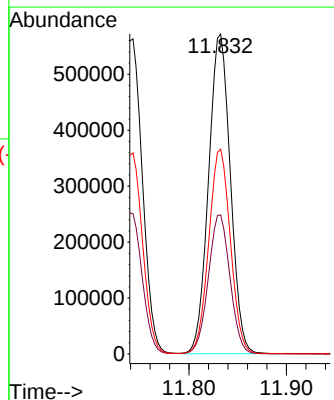
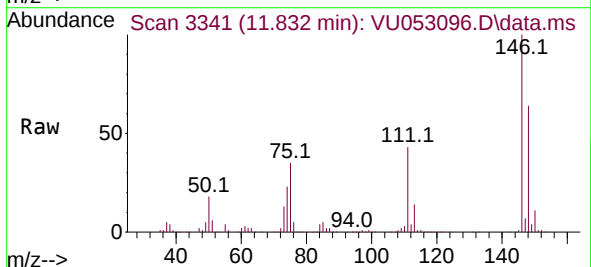
Instrument :
MSVOA_U
ClientSampleId :
VSTD200003

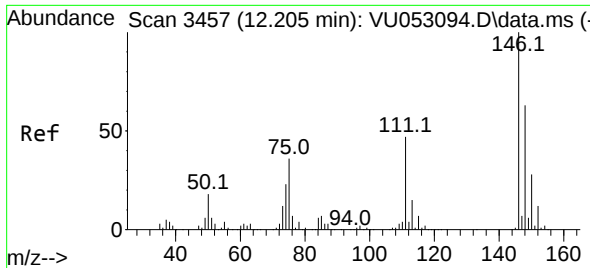
Tgt Ion:146 Resp: 877404
Ion Ratio Lower Upper
146 100
111 44.6 32.1 59.5
148 63.8 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 206.817 ug/L
RT: 11.832 min Scan# 3341
Delta R.T. 0.003 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

Tgt Ion:146 Resp: 887525
Ion Ratio Lower Upper
146 100
111 43.4 29.9 55.5
148 64.0 44.0 81.6

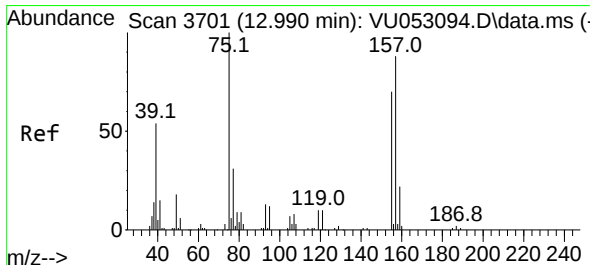
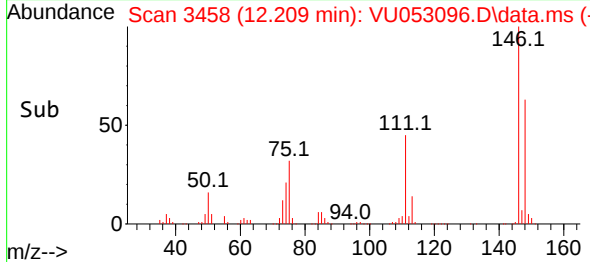
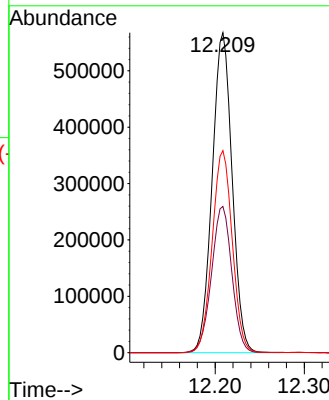
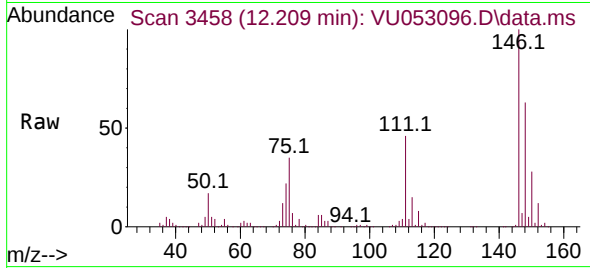




#67
1,2-Dichlorobenzene
Concen: 205.610 ug/L
RT: 12.209 min Scan# 3457
Delta R.T. 0.003 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

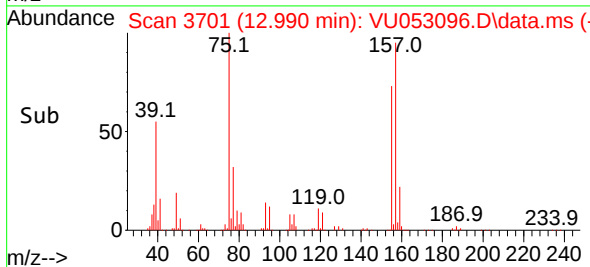
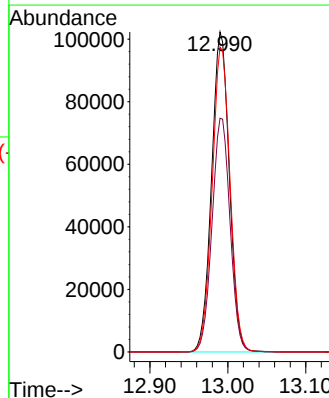
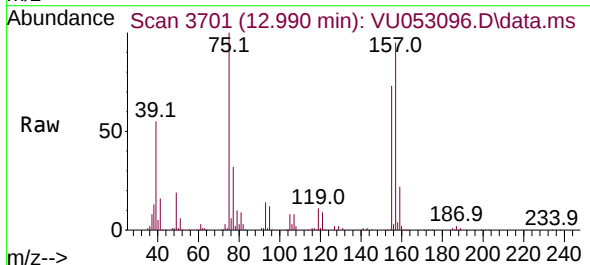
Instrument :
MSVOA_U
ClientSampleId :
VSTD200003

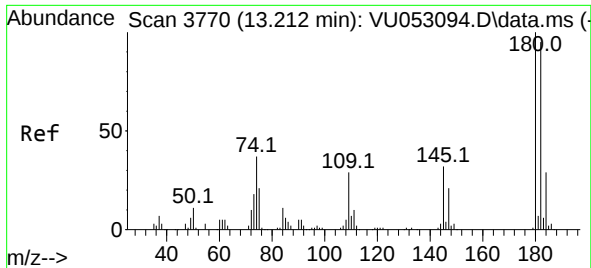
Tgt Ion:146 Resp: 882271
Ion Ratio Lower Upper
146 100
111 45.7 37.8 56.6
148 63.2 50.4 75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 228.067 ug/L
RT: 12.990 min Scan# 3701
Delta R.T. -0.000 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

Tgt Ion: 75 Resp: 162369
Ion Ratio Lower Upper
75 100
155 73.1 55.8 83.6
157 95.3 70.7 106.1

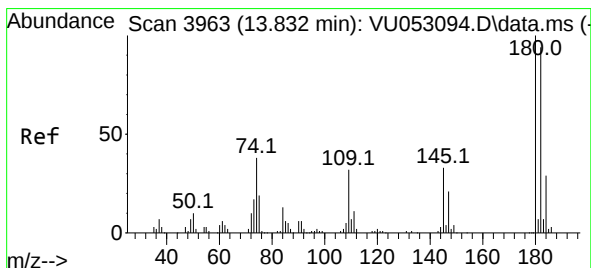
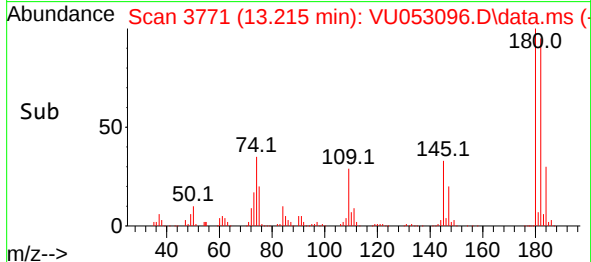
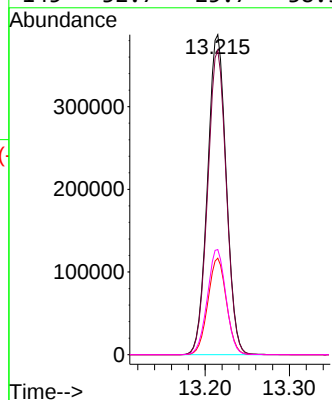
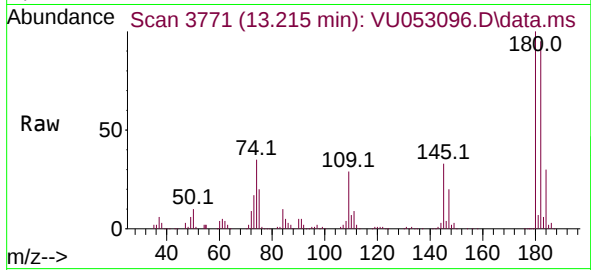




#69
 1,3,5-Trichlorobenzene
 Concen: 187.363 ug/L
 RT: 13.215 min Scan# 3771
 Delta R.T. 0.003 min
 Lab File: VU053096.D
 Acq: 14 Feb 2023 13:54

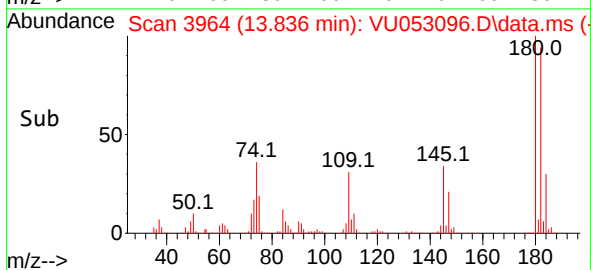
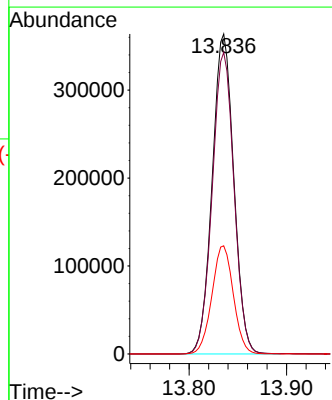
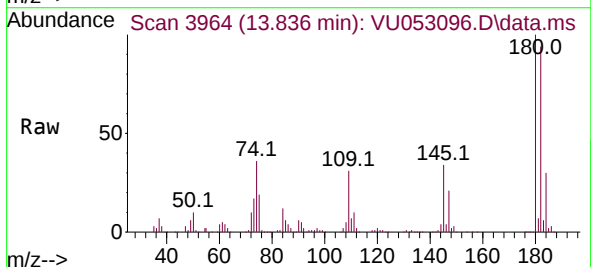
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200003

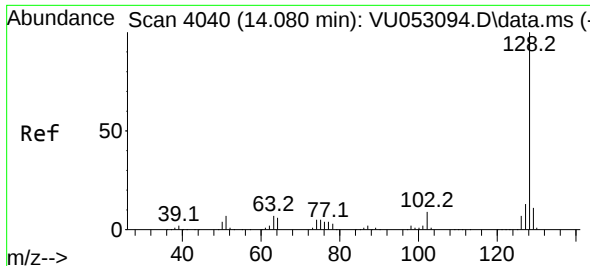
Tgt	Ion:180	Resp:	597436
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.9	115.3
184	30.0	23.7	35.5
145	32.7	25.7	38.5



#70
 1,2,4-trichlorobenzene
 Concen: 194.907 ug/L
 RT: 13.836 min Scan# 3964
 Delta R.T. 0.003 min
 Lab File: VU053096.D
 Acq: 14 Feb 2023 13:54

Tgt Ion:180	Resp: 559840
Ion Ratio	Lower Upper
180 100	
182 95.2	76.4 114.6
145 33.6	26.8 40.2

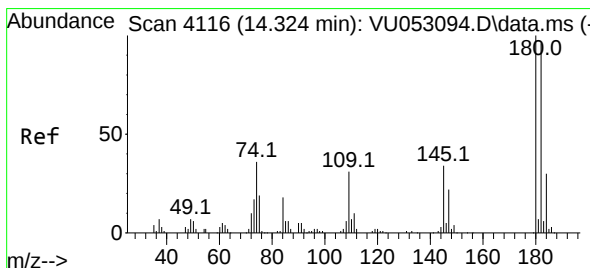
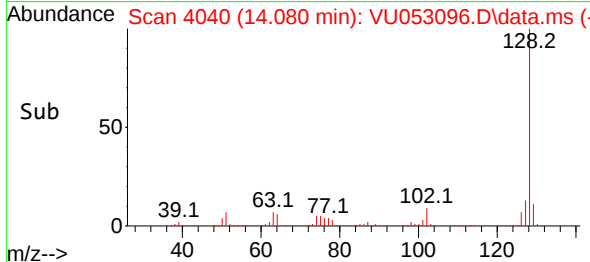
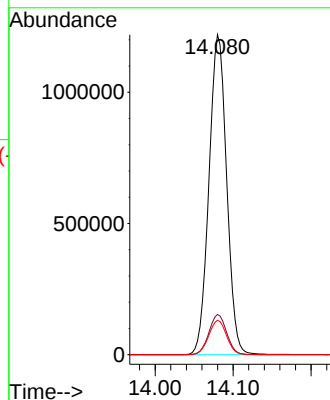
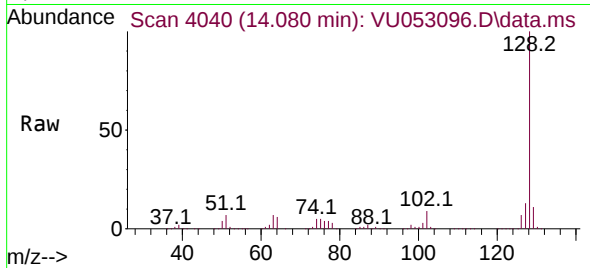




#71
Naphthalene
Concen: 218.037 ug/L
RT: 14.080 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD200003

Tgt Ion:128 Resp: 1923035
Ion Ratio Lower Upper
128 100
127 12.6 9.9 14.9
129 10.9 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 194.613 ug/L
RT: 14.324 min Scan# 4116
Delta R.T. -0.000 min
Lab File: VU053096.D
Acq: 14 Feb 2023 13:54

Tgt Ion:180 Resp: 548376
Ion Ratio Lower Upper
180 100
182 94.9 75.4 113.2
145 35.2 28.2 42.2

