

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013025\
 Data File : VU063099.D
 Acq On : 30 Jan 2025 14:42
 Operator : MD/SY
 Sample : VSTD100
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 31 07:31:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM013025WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 31 07:29:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	159088	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	145173	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	73885	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	128696	123.989	ug/L	0.00
7) Chloroethane-d5	1.895	69	73534	88.450	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	63	220381	105.886	ug/L	0.00
21) 2-Butanone-d5	4.602	46	164343	333.501	ug/L	0.00
24) Chloroform-d	5.045	84	223969	95.145	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.685	65	130884	85.319	ug/L	0.00
32) Benzene-d6	5.711	84	456569	111.500	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.676	67	145511	119.643	ug/L	0.00
41) Toluene-d8	7.885	98	431069	112.081	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.168	79	69872	104.715	ug/L	0.00
47) 2-Hexanone-d5	8.618	63	134446	330.850	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.743	84	214169	119.060	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.180	152	148742	102.144	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	115939	78.760	ug/L	98
3) Chloromethane	1.515	50	118699	109.695	ug/L	99
5) Vinyl chloride	1.599	62	142765	123.569	ug/L	99
6) Bromomethane	1.833	94	54323	67.695	ug/L	98
8) Chloroethane	1.917	64	59694	85.598	ug/L	100
9) Trichlorofluoromethane	2.126	101	149640	70.040	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	111599	102.265	ug/L	98
12) 1,1-Dichloroethene	2.567	96	110181	112.164	ug/L	96
13) Acetone	2.608	43	100723	233.184	ug/L	91
14) Carbon disulfide	2.779	76	319031	108.285	ug/L	98
15) Methyl Acetate	2.933	43	116158	137.588	ug/L	95
16) Methylene chloride	3.030	84	121944	111.257	ug/L	94
17) trans-1,2-Dichloroethene	3.338	96	105871	103.606	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	334576	95.372	ug/L	98
19) 1,1-Dichloroethane	3.849	63	204533	109.868	ug/L	97
20) cis-1,2-Dichloroethene	4.650	96	121600	106.264	ug/L	99
22) 2-Butanone	4.682	43	156681	268.027	ug/L	97
23) Bromochloromethane	4.959	128	61505	95.979	ug/L	94
25) Chloroform	5.071	83	200946	91.627	ug/L	99
27) 1,2-Dichloroethane	5.779	62	148118	81.344	ug/L	100
29) Cyclohexane	5.373	56	182070	121.754	ug/L	99
30) 1,1,1-Trichloroethane	5.300	97	168166	82.833	ug/L	98
31) Carbon tetrachloride	5.508	117	149628	80.133	ug/L	98
33) Benzene	5.759	78	463082	108.697	ug/L	100
34) Trichloroethene	6.528	95	116423	90.249	ug/L	98
35) Methylcyclohexane	6.750	83	182453	106.466	ug/L	98
37) 1,2-Dichloropropane	6.775	63	121992	116.580	ug/L	100
38) Bromodichloromethane	7.090	83	150592	91.017	ug/L	97
39) cis-1,3-Dichloropropene	7.595	75	195310	106.790	ug/L	98
40) 4-Methyl-2-pentanone	7.775	43	322788	278.154	ug/L	98
42) Toluene	7.955	91	497317	109.548	ug/L	98
44) trans-1,3-Dichloropropene	8.197	75	180360	100.277	ug/L	99

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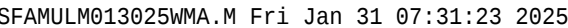
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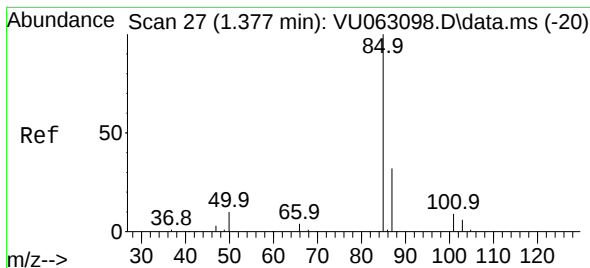
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 Quant Title : VOC Analysis
 QLast Update : Fri Jan 31 07:29:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.386	97	117495	105.579	ug/L	97
46) Tetrachloroethene	8.541	164	88334	94.701	ug/L	99
48) 2-Hexanone	8.669	43	231927	263.193	ug/L	100
49) Dibromochloromethane	8.798	129	121164	92.899	ug/L	98
50) 1,2-Dibromoethane	8.910	107	128527	102.787	ug/L	95
51) Chlorobenzene	9.434	112	299954	101.991	ug/L	99
52) Ethylbenzene	9.557	91	527796	102.766	ug/L	99
53) m,p-Xylene	9.682	106	205228	107.504	ug/L	99
54) o-Xylene	10.087	106	196094	105.520	ug/L	98
55) Styrene	10.103	104	337654	106.624	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.769	83	203424	115.261	ug/L	100
59) Bromoform	10.277	173	99760	98.582	ug/L	100
60) 1,2,3-Trichloropropane	10.811	75	150719	106.988	ug/L	98
61) Isopropylbenzene	10.473	105	517123	104.940	ug/L	100
62) 1,3,5-Trimethylbenzene	11.077	105	444083	105.078	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	424617	102.504	ug/L	100
64) 1,3-Dichlorobenzene	11.733	146	233897	100.228	ug/L	100
65) 1,4-Dichlorobenzene	11.823	146	236062	100.444	ug/L	99
67) 1,2-Dichlorobenzene	12.200	146	232736	102.215	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.984	75	46161	110.638	ug/L	98
69) 1,3,5-Trichlorobenzene	13.209	180	173502	110.773	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	150401	123.982	ug/L	99
71) Naphthalene	14.074	128	492202	150.475	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	145440	126.418	ug/L	99

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

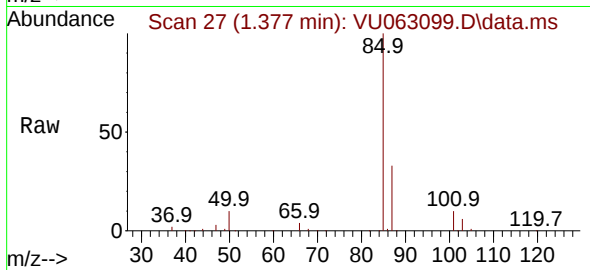
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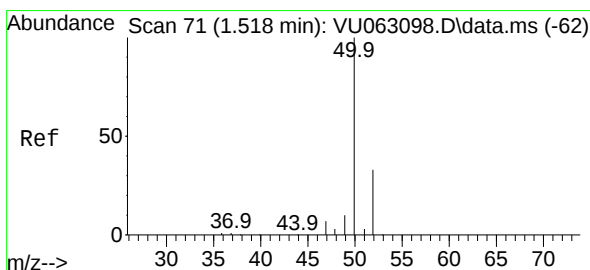
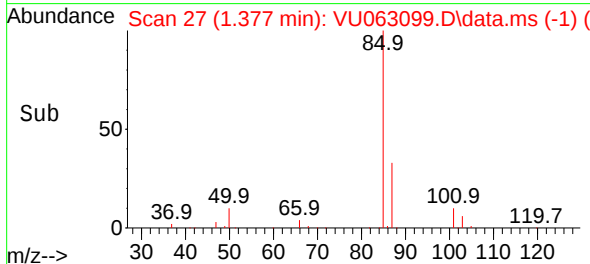
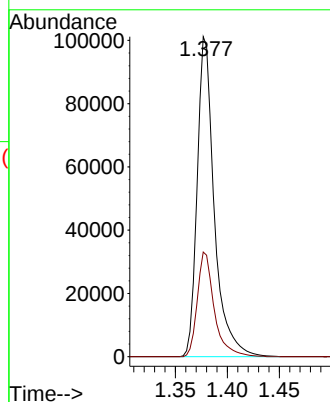


#2
 Dichlorodifluoromethane
 Concen: 78.760 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU063099.D
 Acq: 30 Jan 2025 14:42

Instrument :
 MSVOA_U
 ClientSampleId :

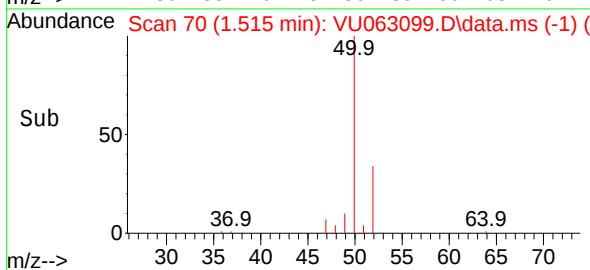
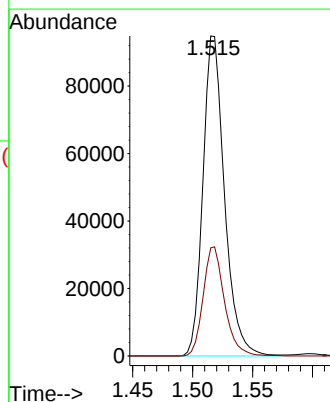
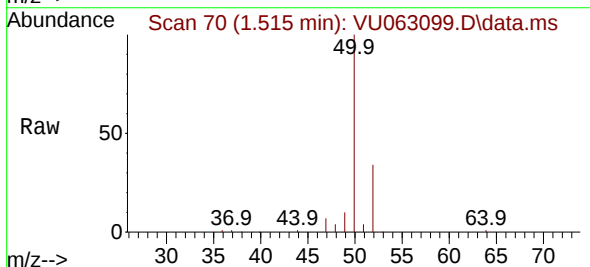


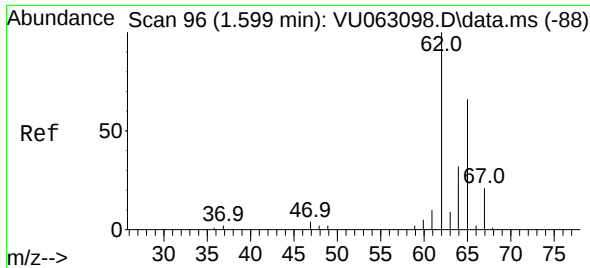
Tgt Ion: 85 Resp: 115939
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.2 37.8



#3
 Chloromethane
 Concen: 109.695 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU063099.D
 Acq: 30 Jan 2025 14:42

Tgt Ion: 50 Resp: 118699
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.4 43.4

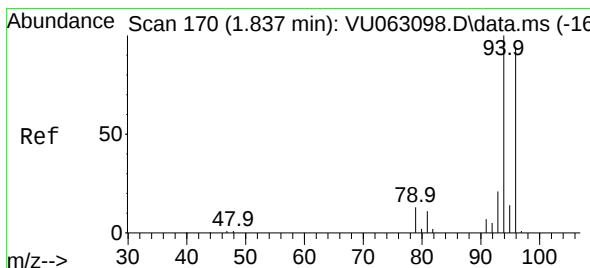
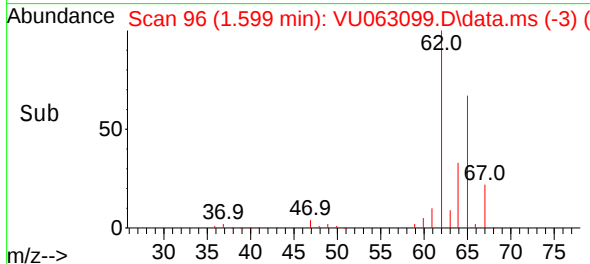
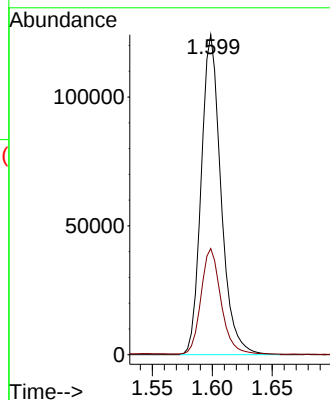
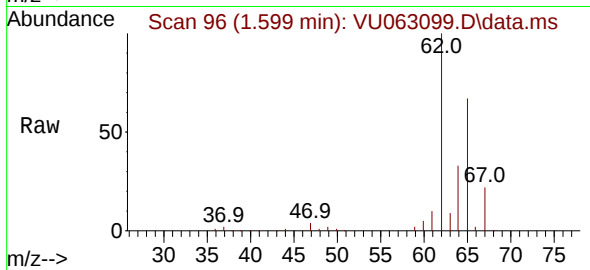




#5
 Vinyl chloride
 Concen: 123.569 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VU063099.D
 Acq: 30 Jan 2025 14:42

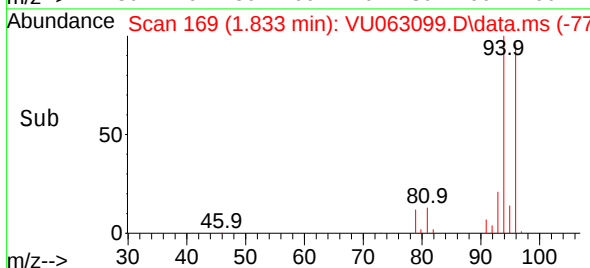
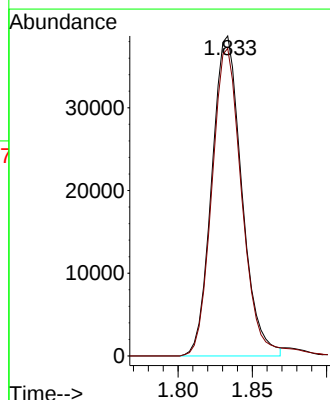
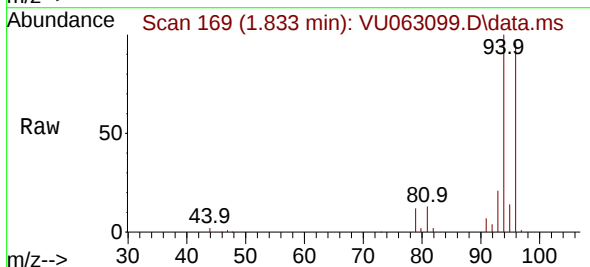
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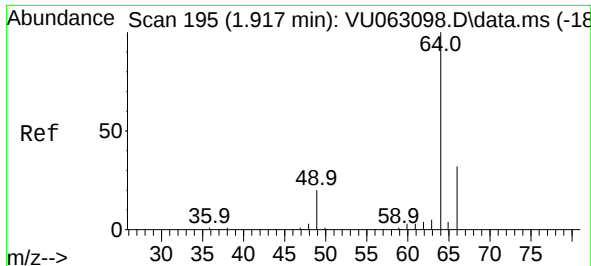
Tgt Ion: 62 Resp: 142765
 Ion Ratio Lower Upper
 62 100
 64 33.2 22.9 42.5



#6
 Bromomethane
 Concen: 67.695 ug/L
 RT: 1.833 min Scan# 169
 Delta R.T. -0.003 min
 Lab File: VU063099.D
 Acq: 30 Jan 2025 14:42

Tgt Ion: 94 Resp: 54323
 Ion Ratio Lower Upper
 94 100
 96 96.1 66.1 122.8

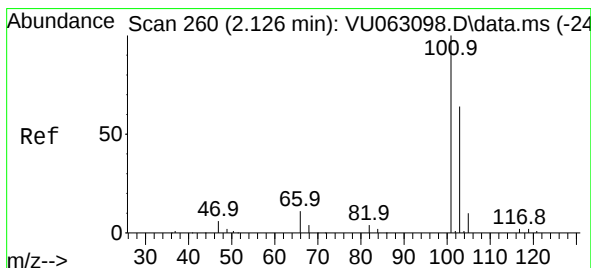
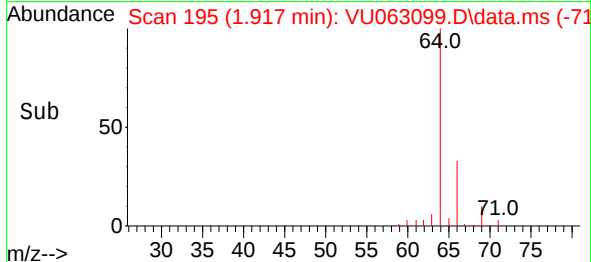
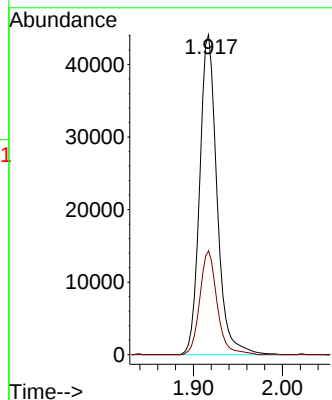
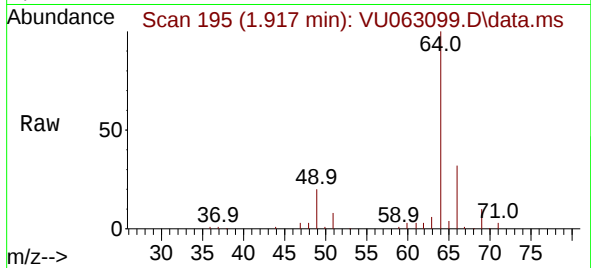




#8
Chloroethane
Concen: 85.598 ug/L
RT: 1.917 min Scan# 195
Delta R.T. -0.000 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42

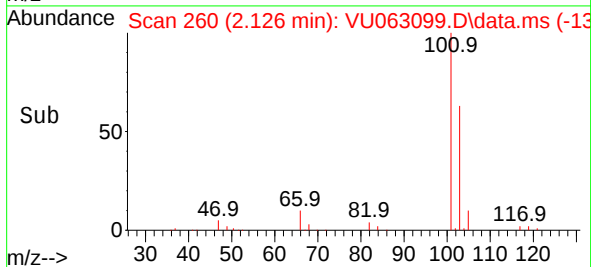
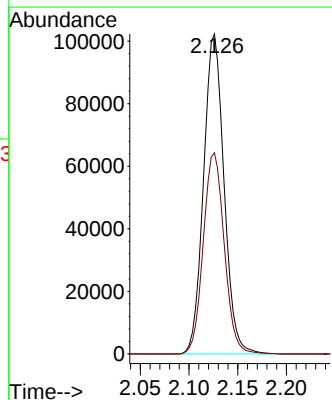
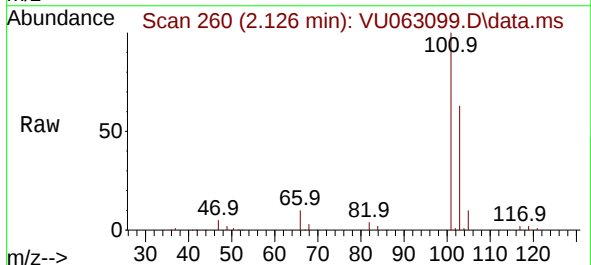
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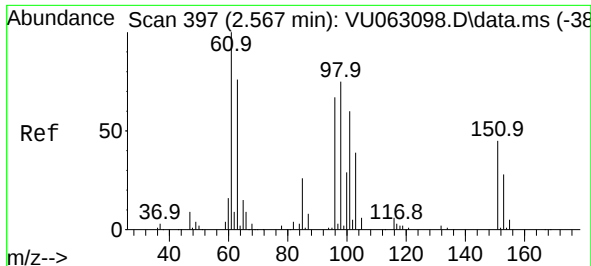
Tgt Ion: 64 Resp: 59694
Ion Ratio Lower Upper
64 100
66 32.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 70.040 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.000 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42

Tgt Ion:101 Resp: 149640
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.2

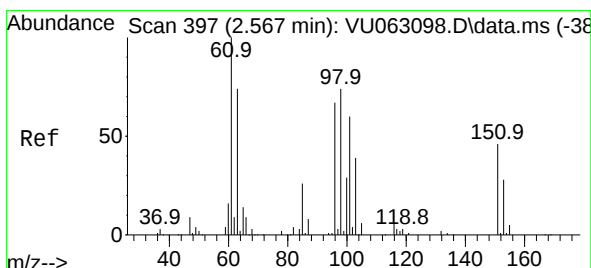
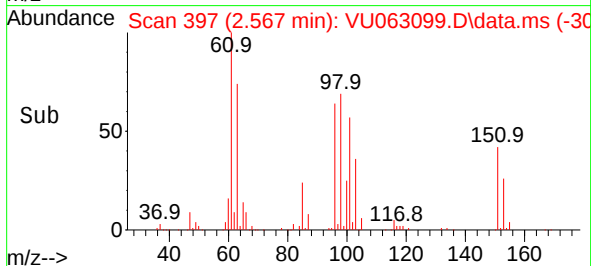
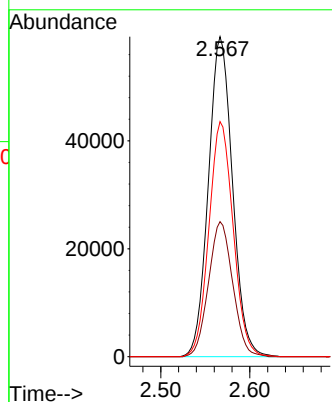
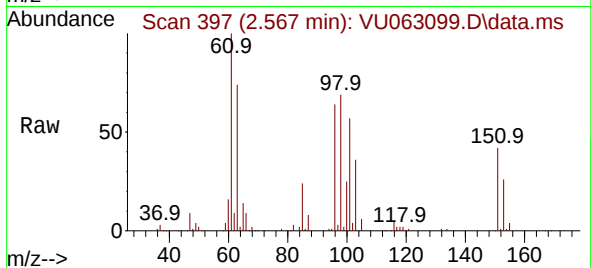




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 102.265 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: VU063099.D
 Acq: 30 Jan 2025 14:42

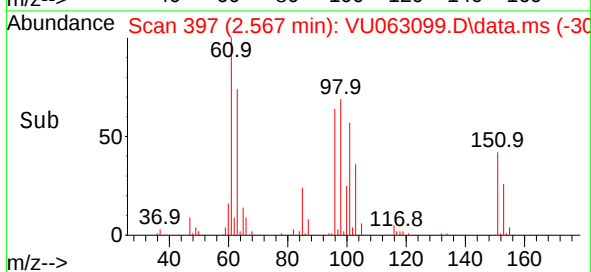
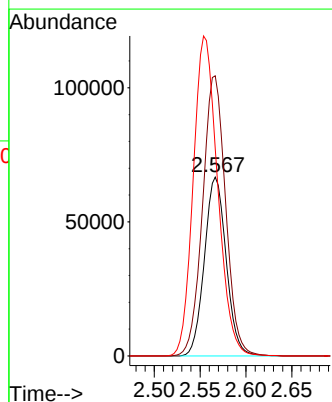
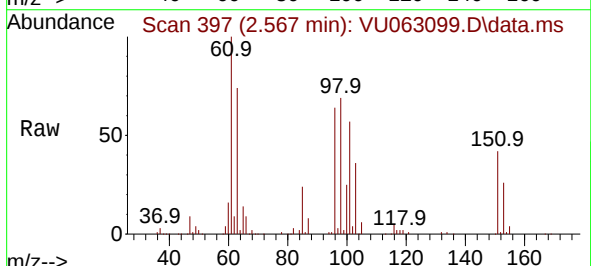
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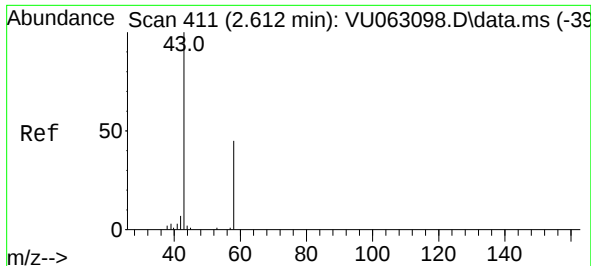
Tgt Ion:101 Resp: 111599
 Ion Ratio Lower Upper
 101 100
 85 42.2 33.2 49.8
 151 73.8 60.4 90.6



#12
 1,1-Dichloroethene
 Concen: 112.164 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: VU063099.D
 Acq: 30 Jan 2025 14:42

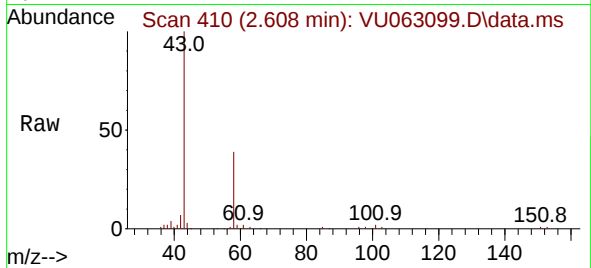
Tgt Ion: 96 Resp: 110181
 Ion Ratio Lower Upper
 96 100
 61 156.6 104.2 193.4
 63 115.9 81.5 151.5



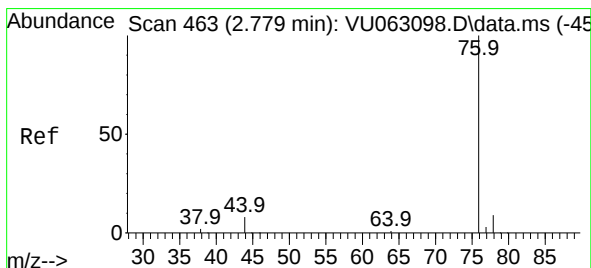
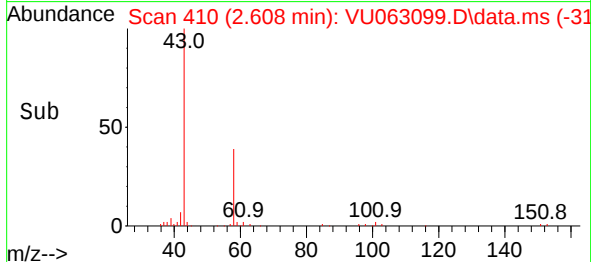
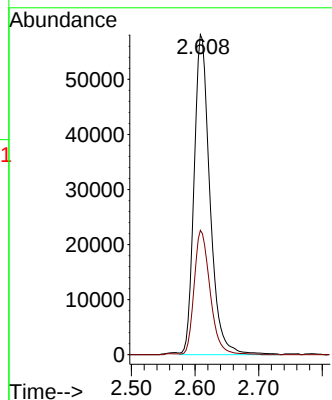


#13
Acetone
Concen: 233.184 ug/L
RT: 2.608 min Scan# 411
Delta R.T. -0.003 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42

Instrument :
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ClientSampleId :

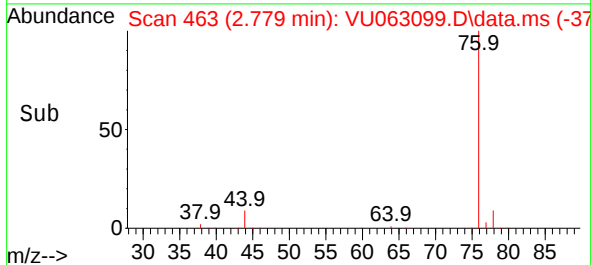
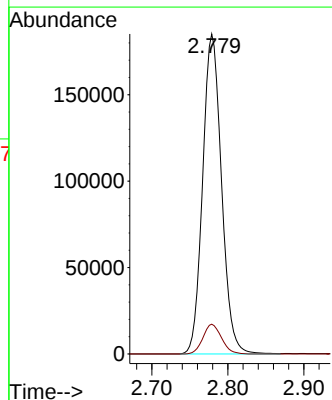
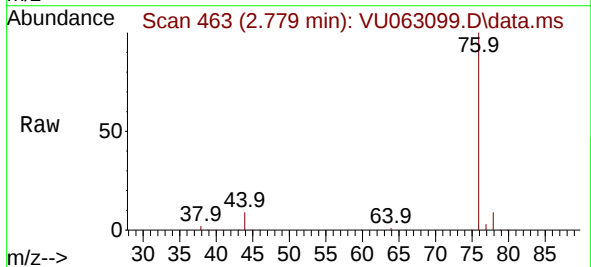


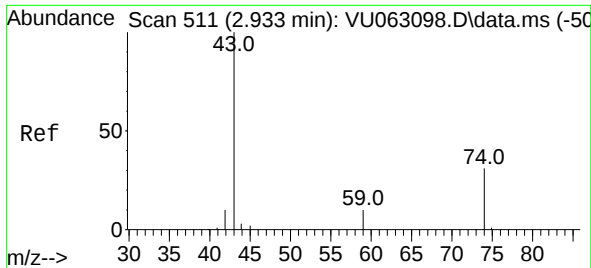
Tgt Ion: 43 Resp: 100723
Ion Ratio Lower Upper
43 100
58 38.4 0.0 88.8



#14
Carbon disulfide
Concen: 108.285 ug/L
RT: 2.779 min Scan# 463
Delta R.T. -0.000 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42

Tgt Ion: 76 Resp: 319031
Ion Ratio Lower Upper
76 100
78 9.3 6.8 10.2





#15

Methyl Acetate

Concen: 137.588 ug/L

RT: 2.933 min Scan# 511

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

Instrument :

MSVOA_U

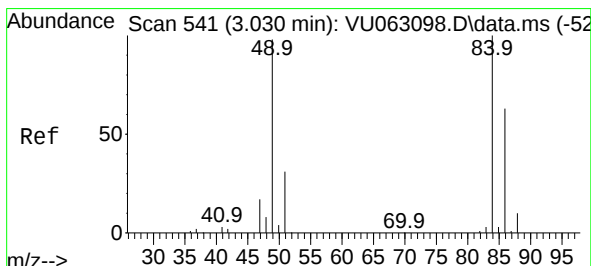
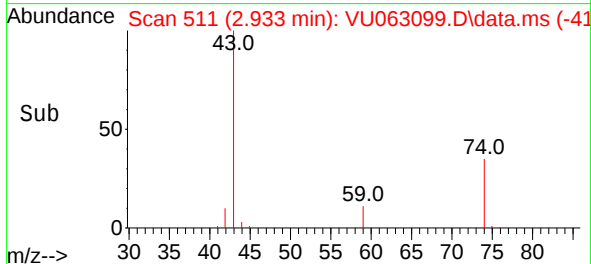
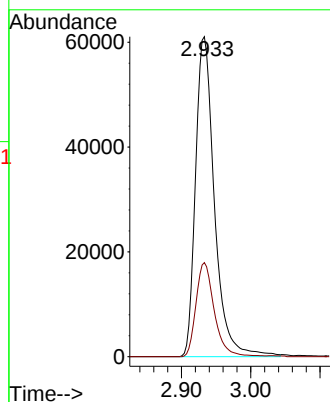
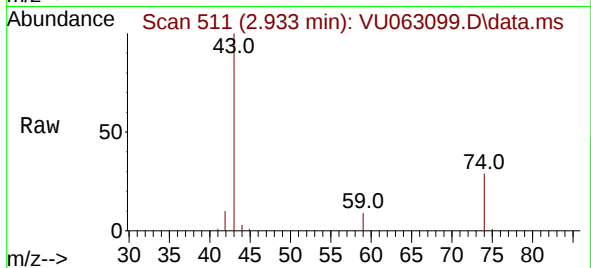
ClientSampleId :

Tgt Ion: 43 Resp: 116158

Ion Ratio Lower Upper

43 100

74 28.3 25.0 37.6



#16

Methylene chloride

Concen: 111.257 ug/L

RT: 3.030 min Scan# 541

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

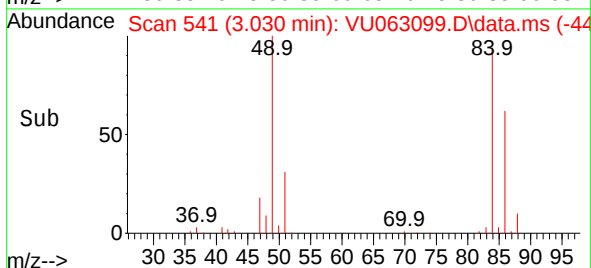
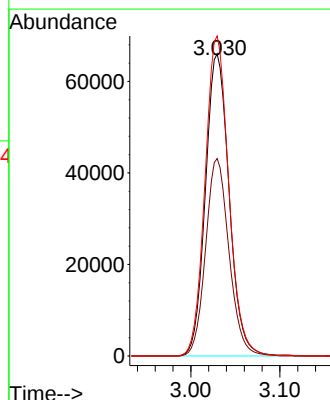
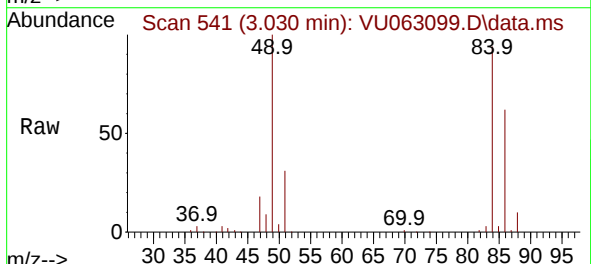
Tgt Ion: 84 Resp: 121944

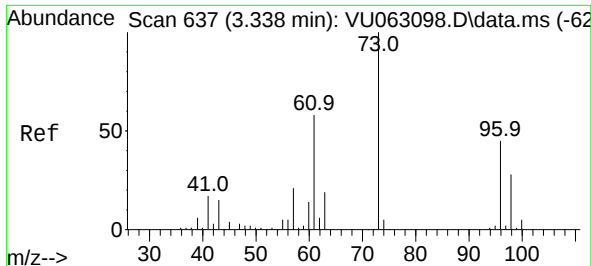
Ion Ratio Lower Upper

84 100

86 65.4 44.2 82.0

49 105.9 68.4 127.0





#17

trans-1,2-Dichloroethene

Concen: 103.606 ug/L

RT: 3.338 min Scan# 637

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

Instrument :

MSVOA_U

ClientSampleId :

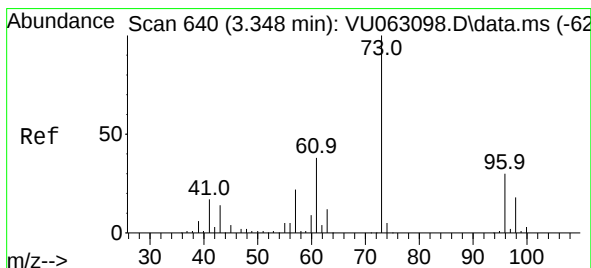
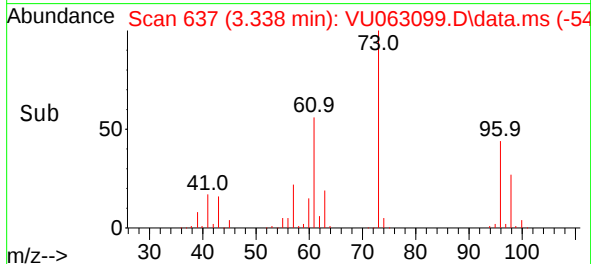
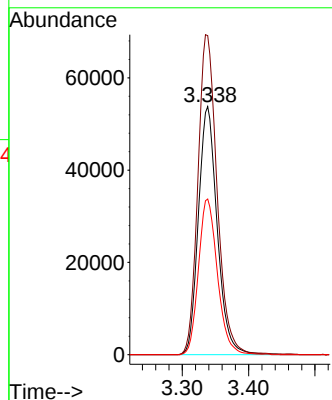
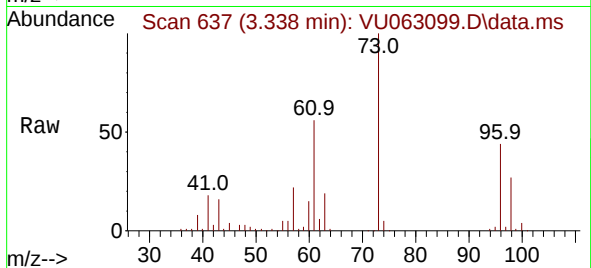
Tgt Ion: 96 Resp: 105871

Ion Ratio Lower Upper

96 100

61 128.6 91.1 169.3

98 62.7 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 95.372 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

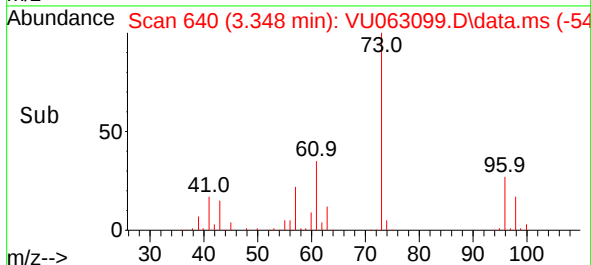
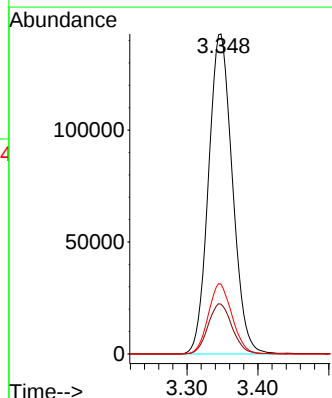
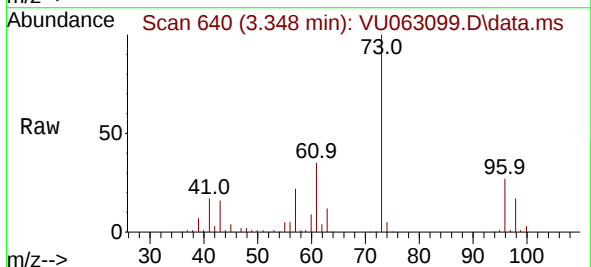
Tgt Ion: 73 Resp: 334576

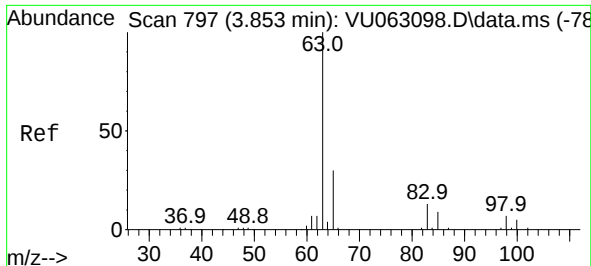
Ion Ratio Lower Upper

73 100

43 15.8 11.4 17.2

57 21.8 17.2 25.8





#19

1,1-Dichloroethane

Concen: 109.868 ug/L

RT: 3.849 min Scan# 797

Delta R.T. -0.003 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

Instrument :

MSVOA_U

ClientSampleId :

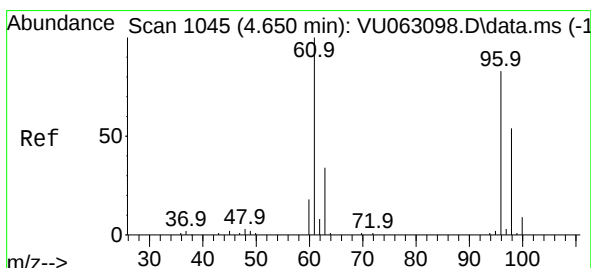
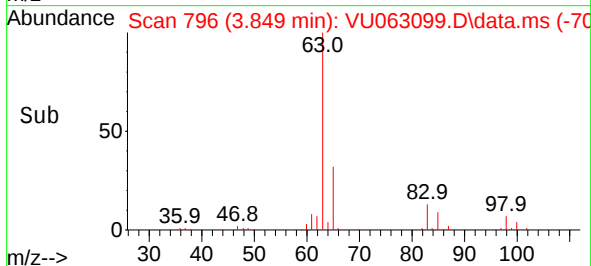
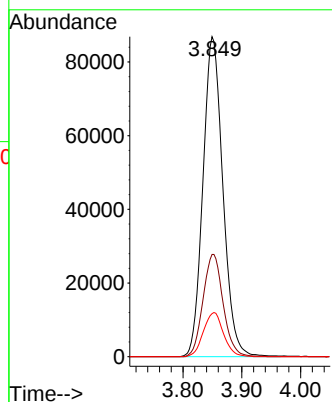
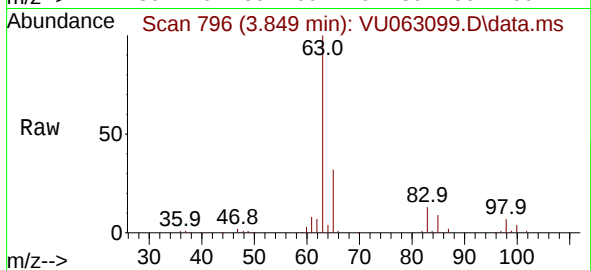
Tgt Ion: 63 Resp: 204533

Ion Ratio Lower Upper

63 100

65 31.9 20.9 38.9

83 13.5 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 106.264 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

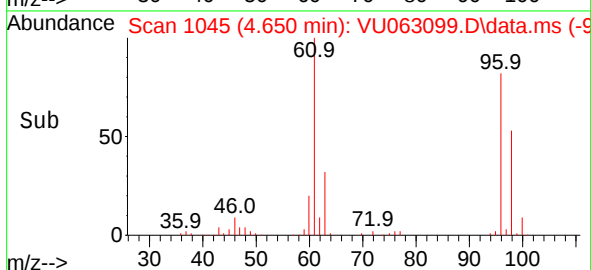
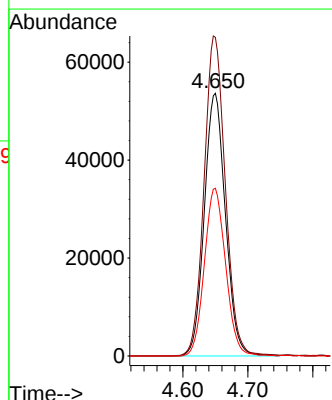
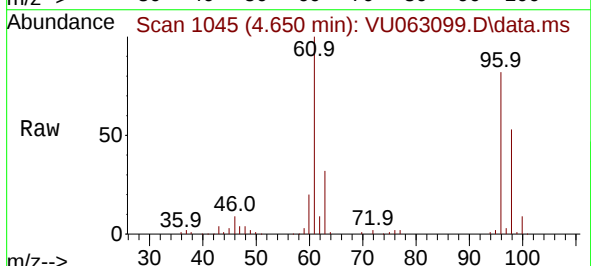
Tgt Ion: 96 Resp: 121600

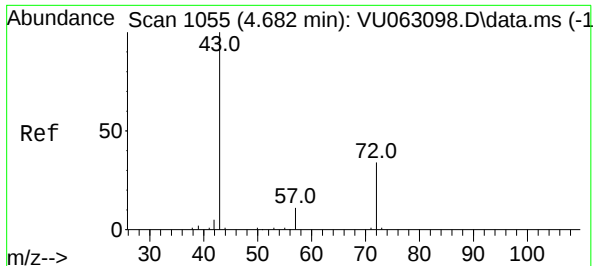
Ion Ratio Lower Upper

96 100

61 121.2 84.4 156.8

98 63.8 46.0 85.4

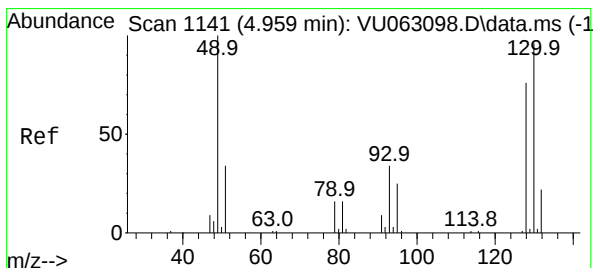
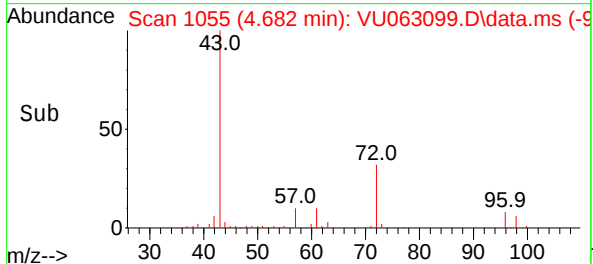
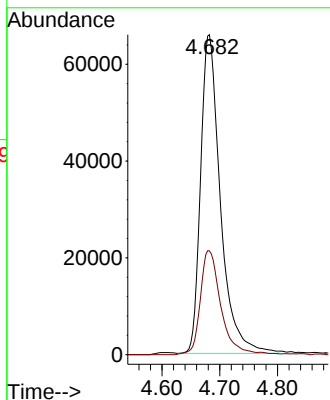
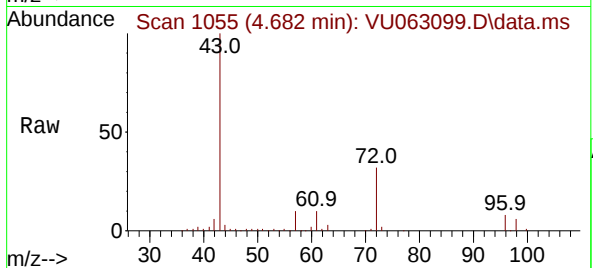




#22
2-Butanone
Concen: 268.027 ug/L
RT: 4.682 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42

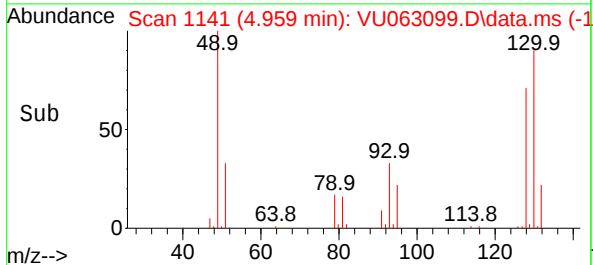
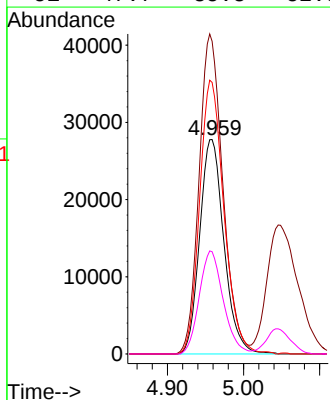
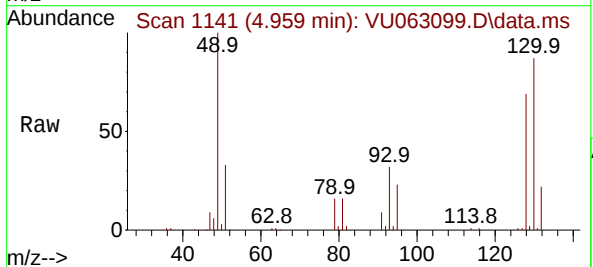
Instrument :
MSVOA_U
ClientSampleId :

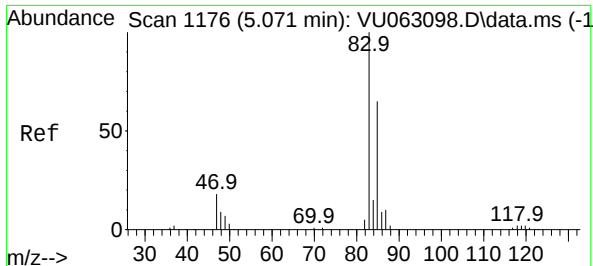
Tgt Ion: 43 Resp: 156681
Ion Ratio Lower Upper
43 100
72 33.4 17.5 52.6



#23
Bromochloromethane
Concen: 95.979 ug/L
RT: 4.959 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42

Tgt Ion:128 Resp: 61505
Ion Ratio Lower Upper
128 100
49 145.8 92.0 170.9
130 126.6 88.3 164.1
51 47.7 35.3 52.9





#25

Chloroform

Concen: 91.627 ug/L

RT: 5.071 min Scan# 1176

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

Instrument :

MSVOA_U

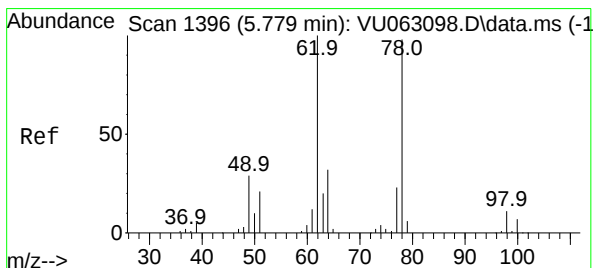
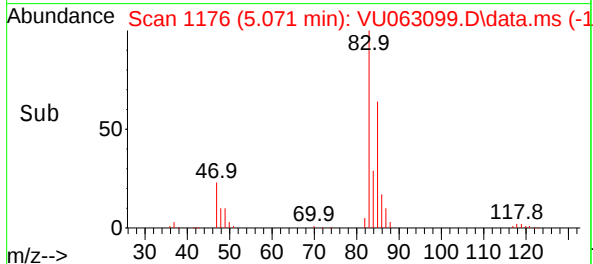
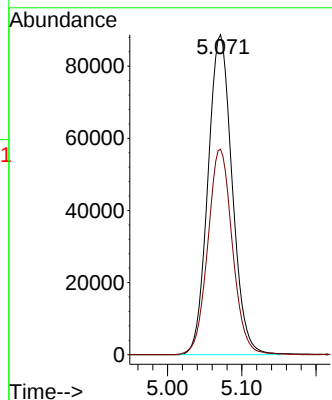
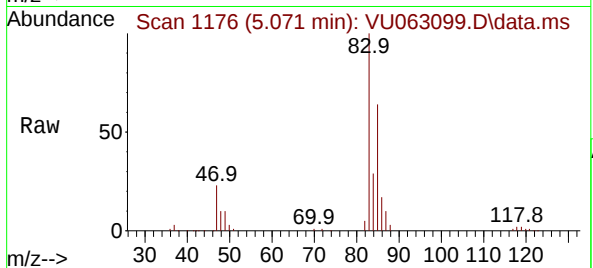
ClientSampleId :

Tgt Ion: 83 Resp: 200946

Ion Ratio Lower Upper

83 100

85 64.2 45.4 84.4



#27

1,2-Dichloroethane

Concen: 81.344 ug/L

RT: 5.779 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VU063099.D

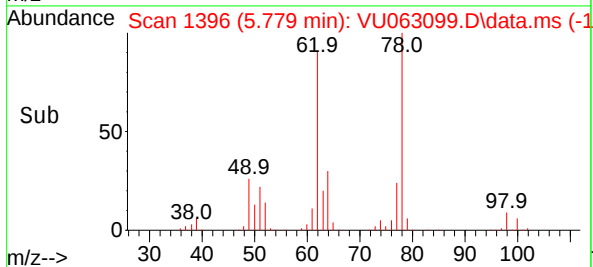
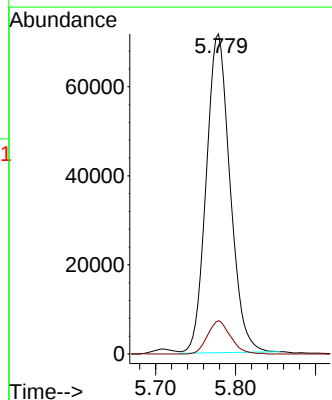
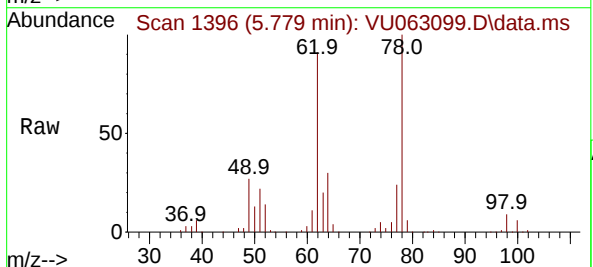
Acq: 30 Jan 2025 14:42

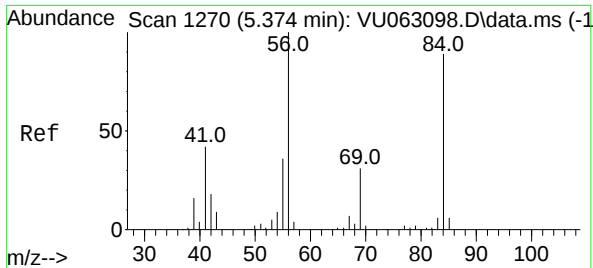
Tgt Ion: 62 Resp: 148118

Ion Ratio Lower Upper

62 100

98 10.4 8.5 12.7





#29

Cyclohexane

Concen: 121.754 ug/L

RT: 5.373 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

Instrument :

MSVOA_U

ClientSampleId :

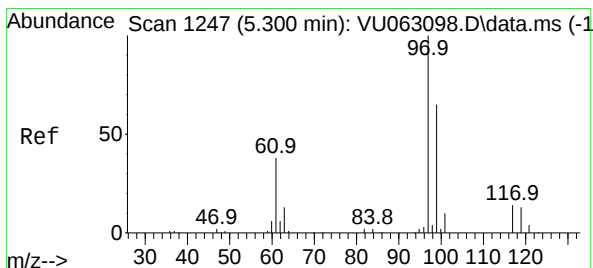
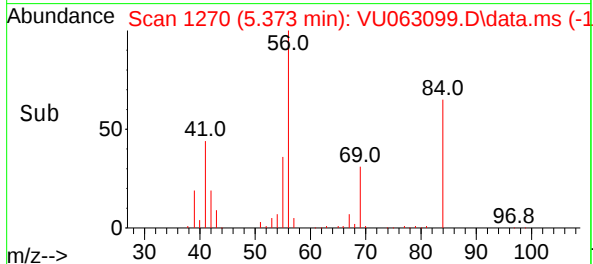
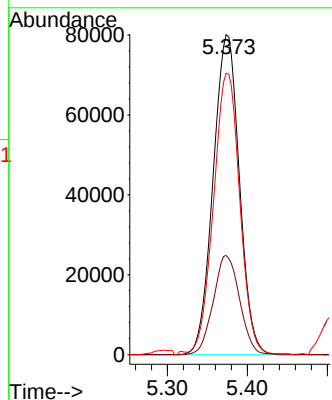
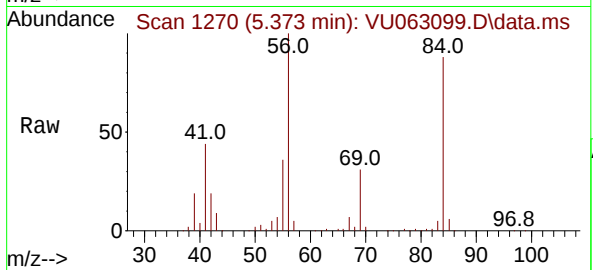
Tgt Ion: 56 Resp: 182070

Ion Ratio Lower Upper

56 100

69 31.1 25.6 38.4

84 88.2 71.6 107.4



#30

1,1,1-Trichloroethane

Concen: 82.833 ug/L

RT: 5.300 min Scan# 1247

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

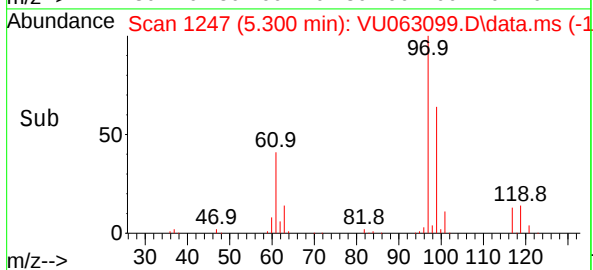
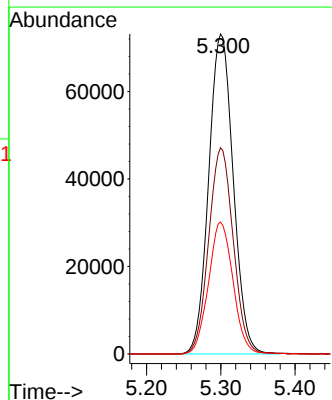
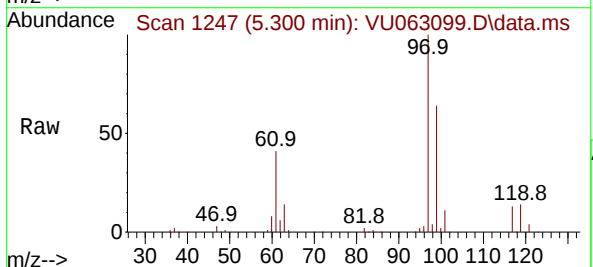
Tgt Ion: 97 Resp: 168166

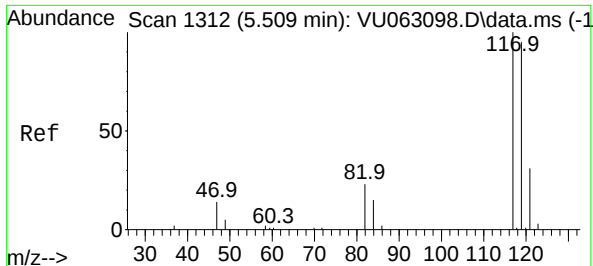
Ion Ratio Lower Upper

97 100

99 64.6 52.2 78.4

61 41.2 31.5 47.3

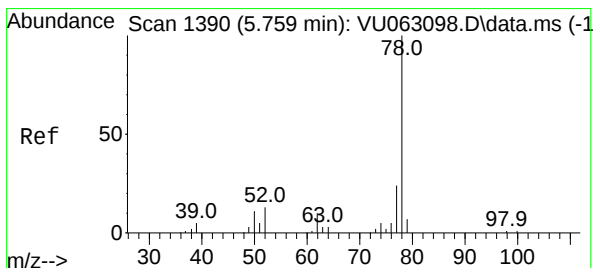
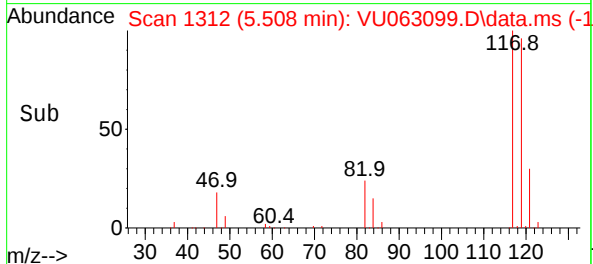
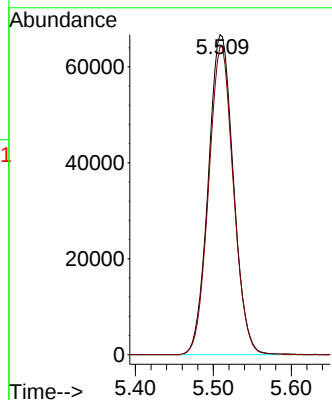
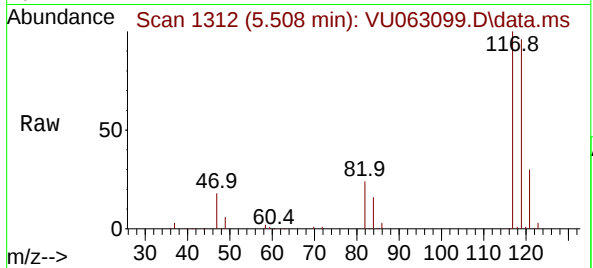




#31
Carbon tetrachloride
Concen: 80.133 ug/L
RT: 5.508 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42

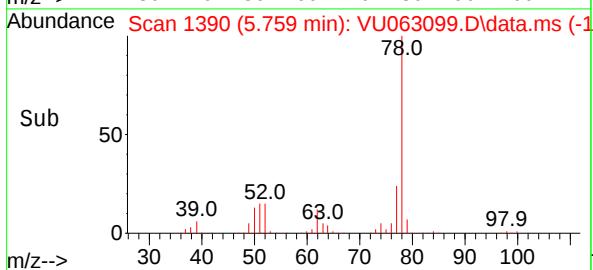
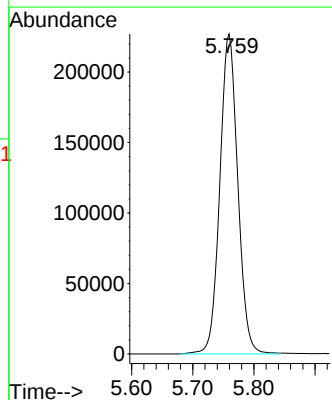
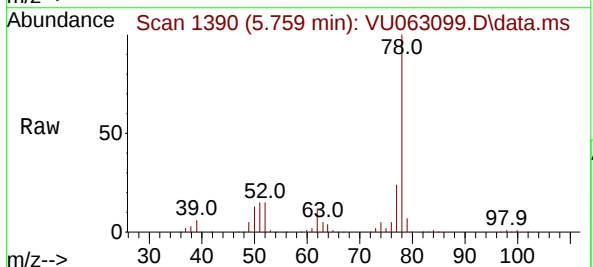
Instrument :
MSVOA_U
ClientSampleId :

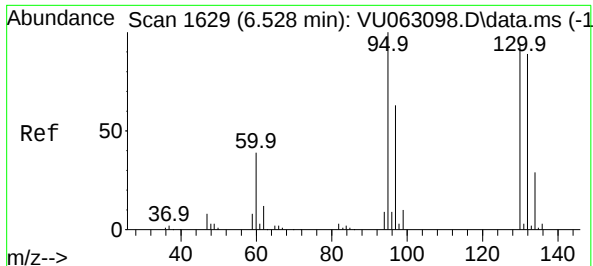
Tgt Ion:117 Resp: 149628
Ion Ratio Lower Upper
117 100
119 95.1 77.7 116.5



#33
Benzene
Concen: 108.697 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.000 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42

Tgt Ion: 78 Resp: 463082





#34

Trichloroethene

Concen: 90.249 ug/L

RT: 6.528 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 116423

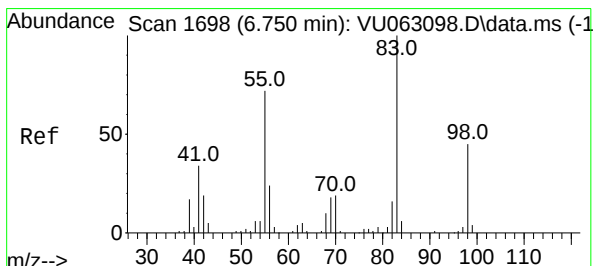
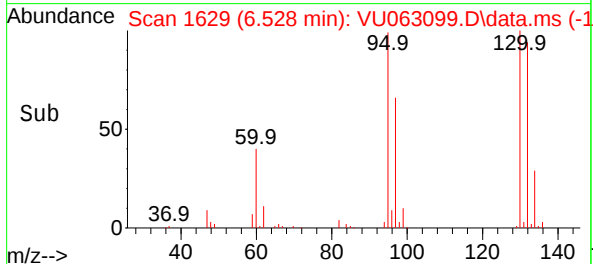
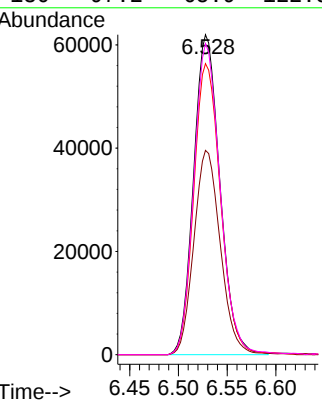
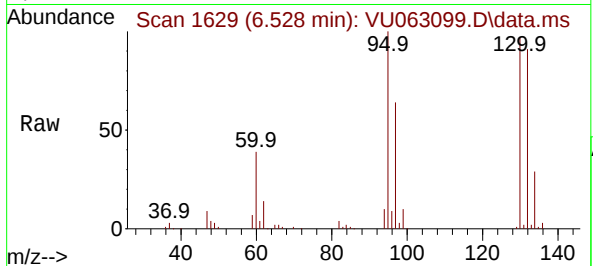
Ion Ratio Lower Upper

95 100

97 63.8 44.3 82.3

132 91.0 62.4 116.0

130 97.2 65.9 122.3



#35

Methylcyclohexane

Concen: 106.466 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

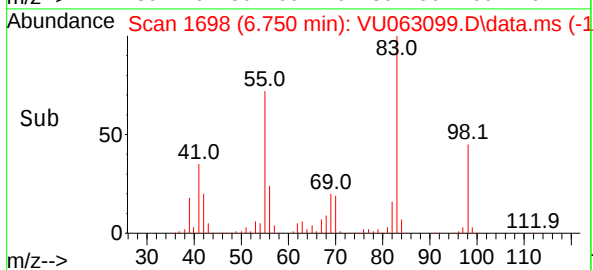
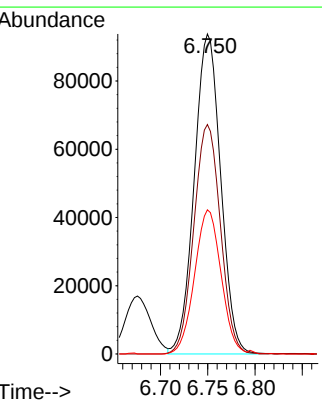
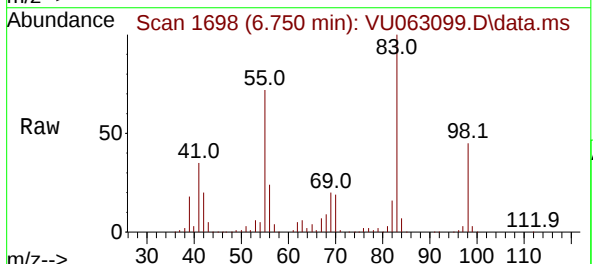
Tgt Ion: 83 Resp: 182453

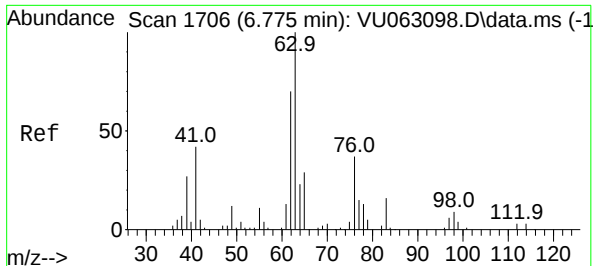
Ion Ratio Lower Upper

83 100

55 71.9 56.4 84.6

98 45.1 35.3 52.9

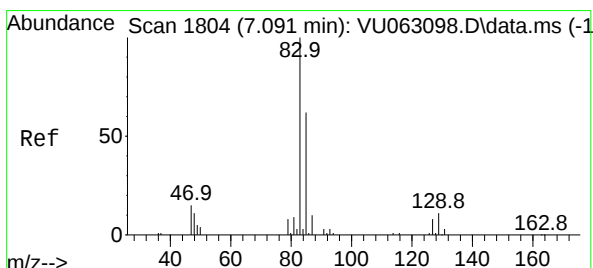
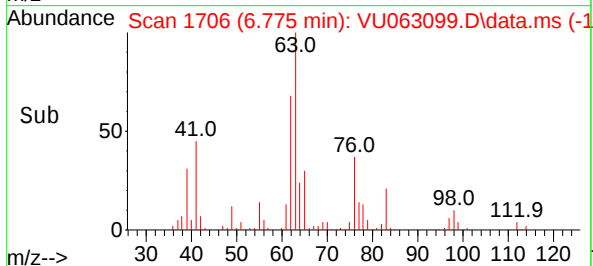
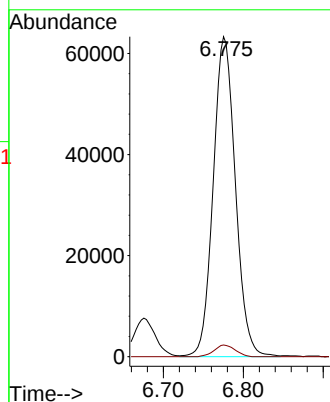
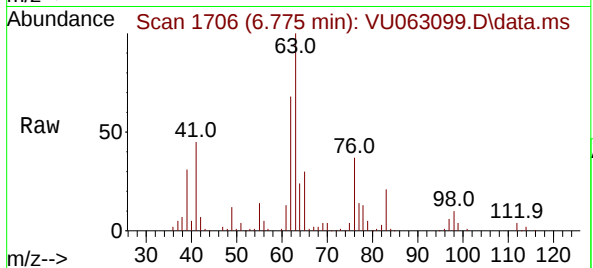




#37
1,2-Dichloropropane
Concen: 116.580 ug/L
RT: 6.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42

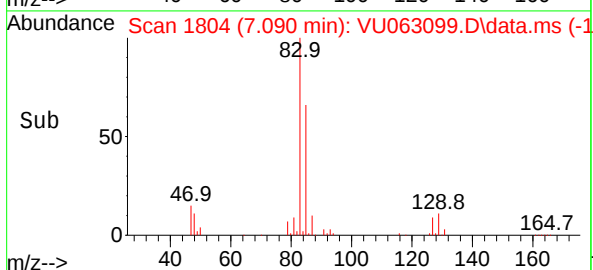
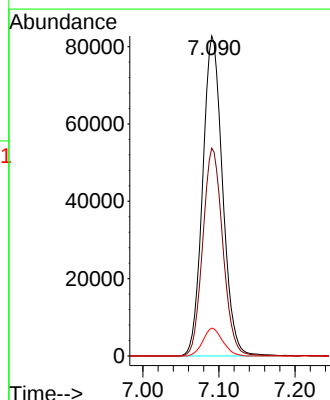
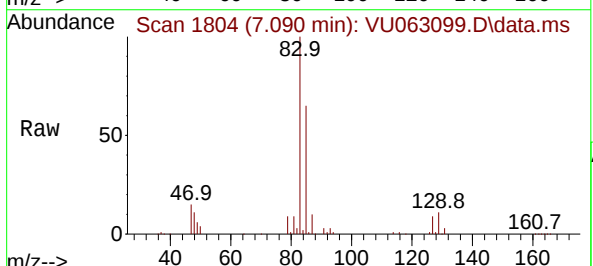
Instrument :
MSVOA_U
ClientSampleId :

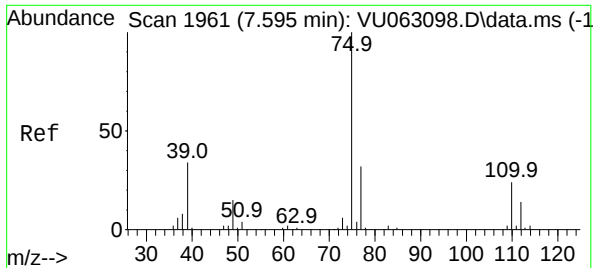
Tgt Ion: 63 Resp: 121992
Ion Ratio Lower Upper
63 100
112 3.5 2.6 4.0



#38
Bromodichloromethane
Concen: 91.017 ug/L
RT: 7.090 min Scan# 1804
Delta R.T. -0.000 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42

Tgt Ion: 83 Resp: 150592
Ion Ratio Lower Upper
83 100
85 64.9 43.5 80.9
127 8.7 6.5 9.7

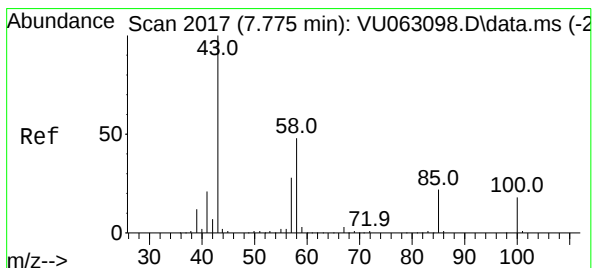
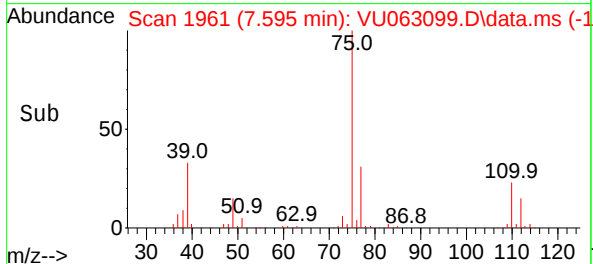
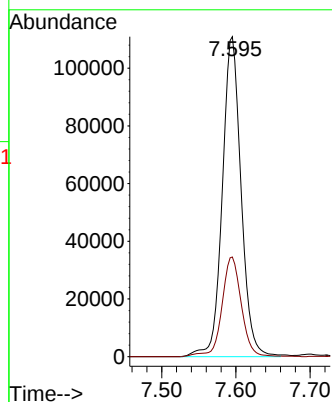
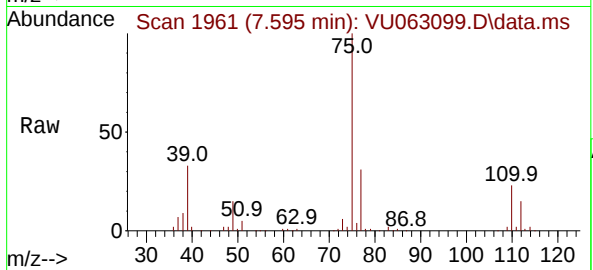




#39
 cis-1,3-Dichloropropene
 Concen: 106.790 ug/L
 RT: 7.595 min Scan# 1961
 Delta R.T. -0.000 min
 Lab File: VU063099.D
 Acq: 30 Jan 2025 14:42

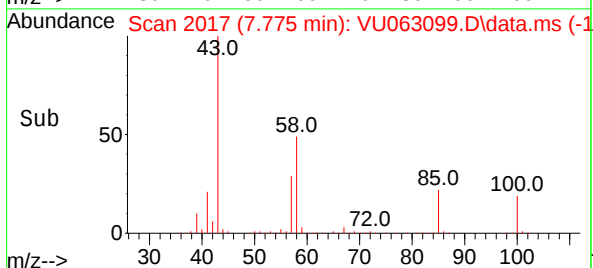
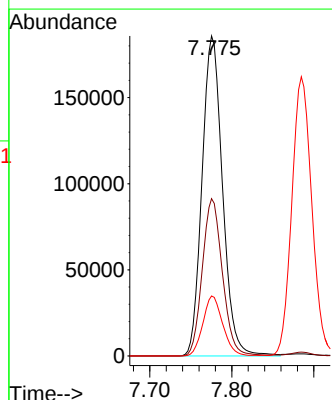
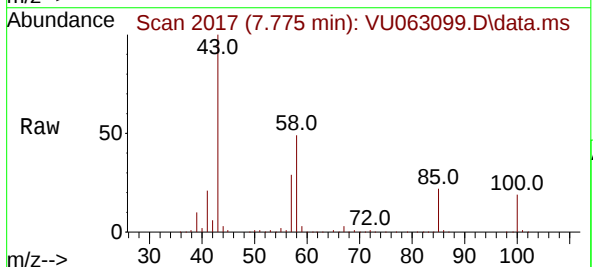
Instrument :
 MSVOA_U
 ClientSampleId :

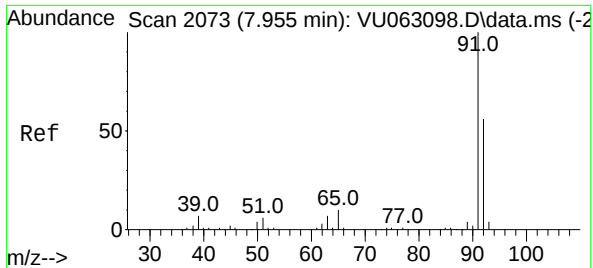
Tgt Ion: 75 Resp: 195310
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 278.154 ug/L
 RT: 7.775 min Scan# 2017
 Delta R.T. -0.000 min
 Lab File: VU063099.D
 Acq: 30 Jan 2025 14:42

Tgt Ion: 43 Resp: 322788
 Ion Ratio Lower Upper
 43 100
 58 48.2 37.5 56.3
 100 18.2 14.3 21.5

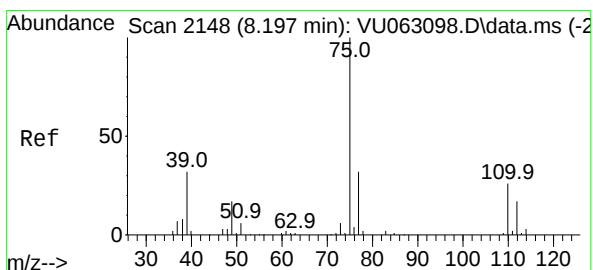
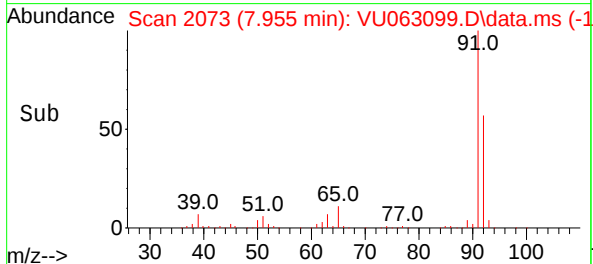
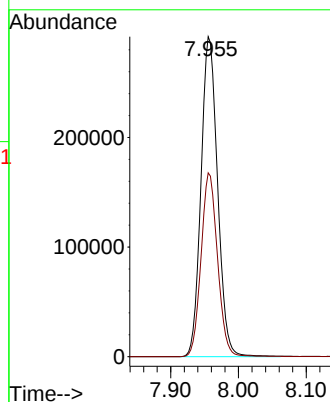
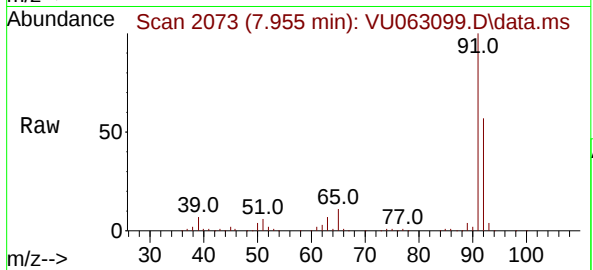




#42
Toluene
Concen: 109.548 ug/L
RT: 7.955 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42

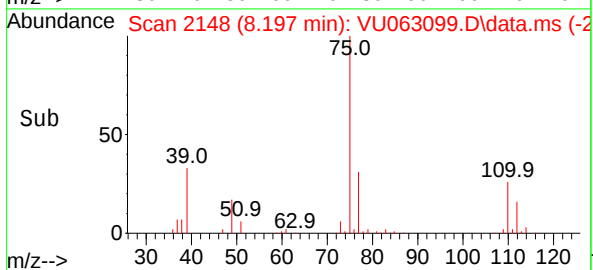
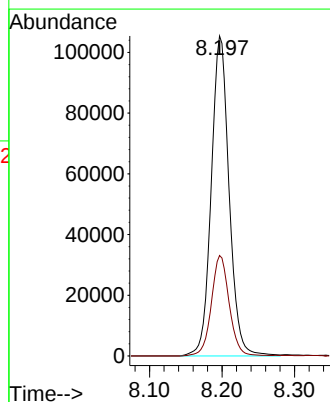
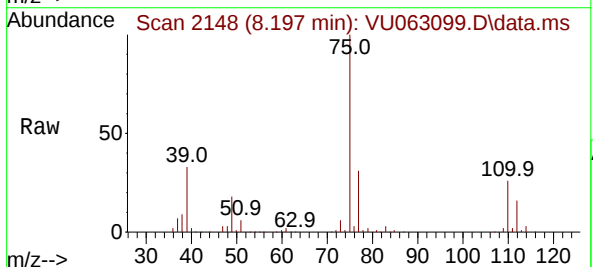
Instrument :
MSVOA_U
ClientSampleId :

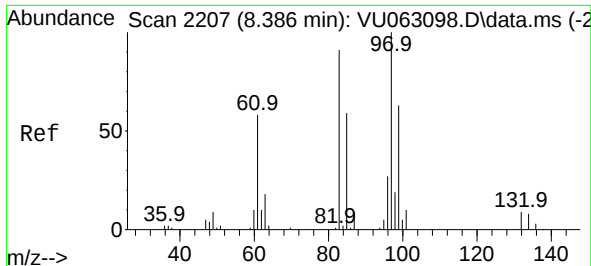
Tgt Ion: 91 Resp: 497317
Ion Ratio Lower Upper
91 100
92 57.4 39.3 73.1



#44
trans-1,3-Dichloropropene
Concen: 100.277 ug/L
RT: 8.197 min Scan# 2148
Delta R.T. -0.000 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42

Tgt Ion: 75 Resp: 180360
Ion Ratio Lower Upper
75 100
77 31.4 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 105.579 ug/L

RT: 8.386 min Scan# 2207

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 117495

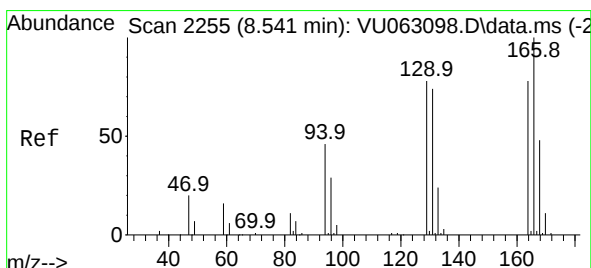
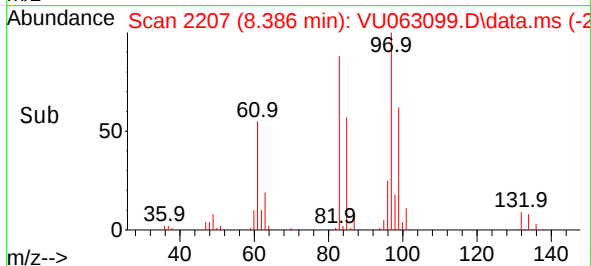
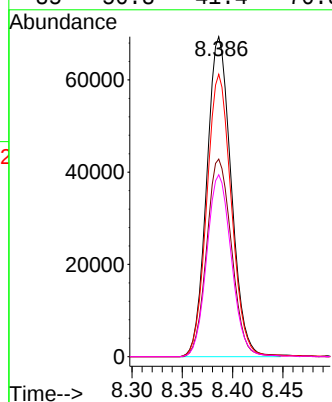
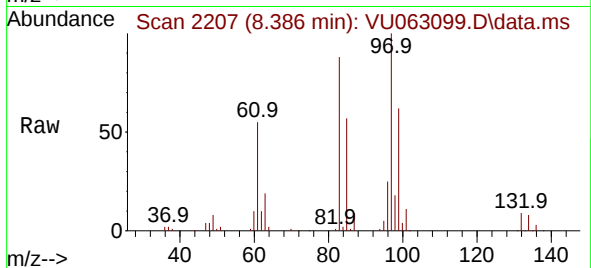
Ion Ratio Lower Upper

97 100

99 61.7 44.2 82.2

83 88.2 64.0 118.8

85 56.8 41.4 76.8



#46

Tetrachloroethene

Concen: 94.701 ug/L

RT: 8.541 min Scan# 2255

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

Tgt Ion:164 Resp: 88334

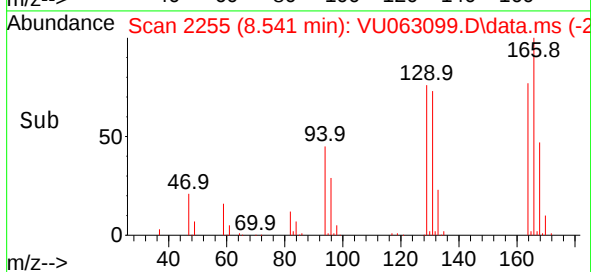
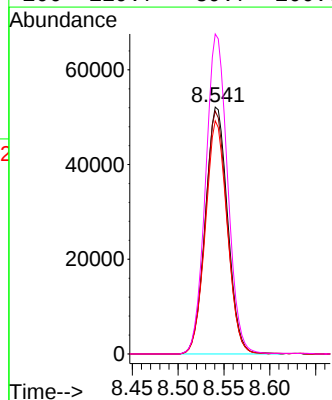
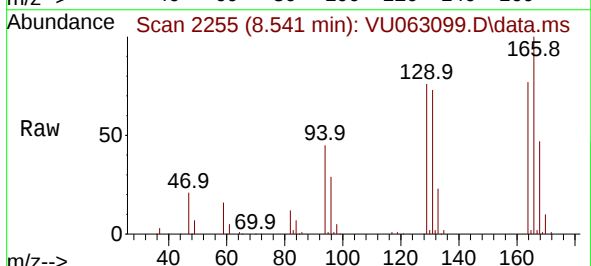
Ion Ratio Lower Upper

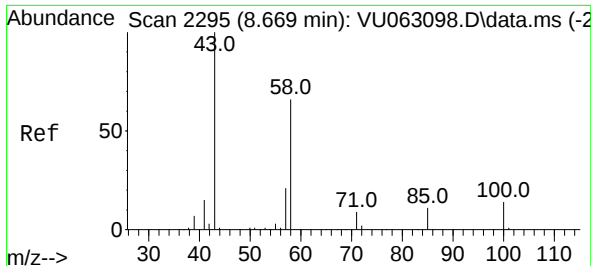
164 100

129 98.3 69.9 129.7

131 94.5 66.3 123.1

166 129.7 89.7 166.7



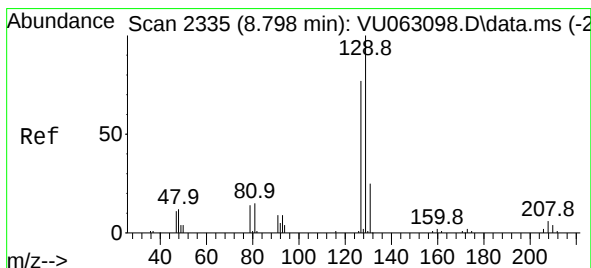
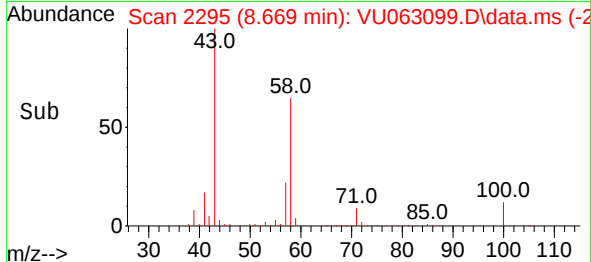
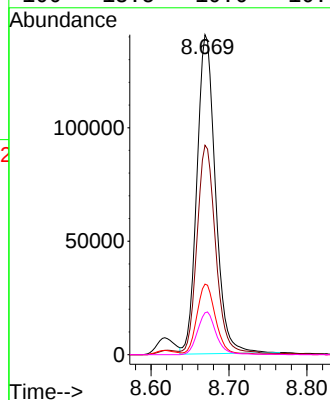
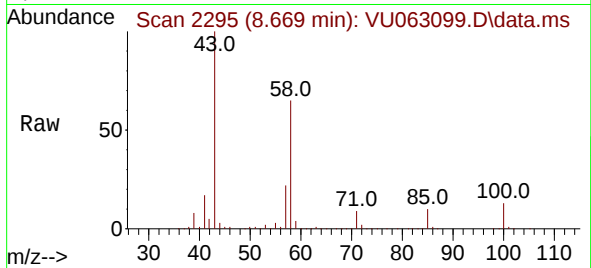


#48
2-Hexanone
Concen: 263.193 ug/L
RT: 8.669 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 231927

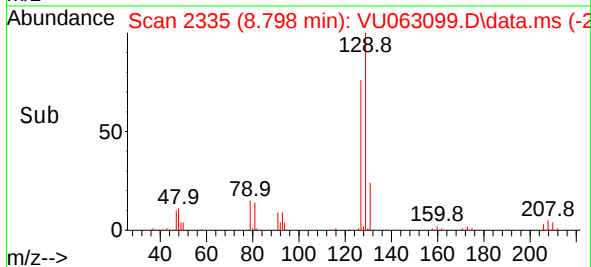
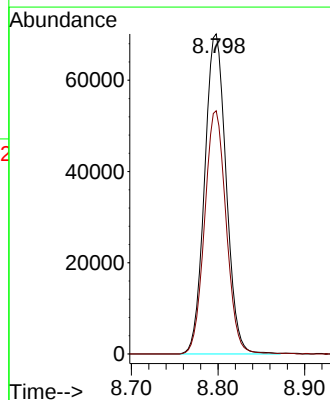
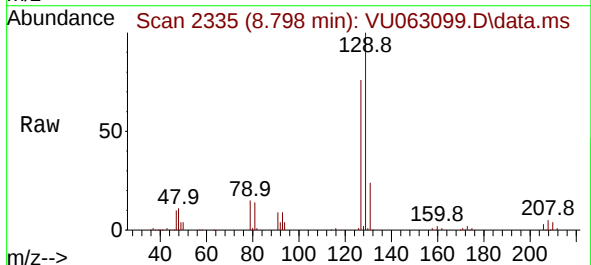
Ion	Ratio	Lower	Upper
43	100		
58	65.8	52.6	78.8
57	22.5	17.9	26.9
100	13.5	10.6	16.0

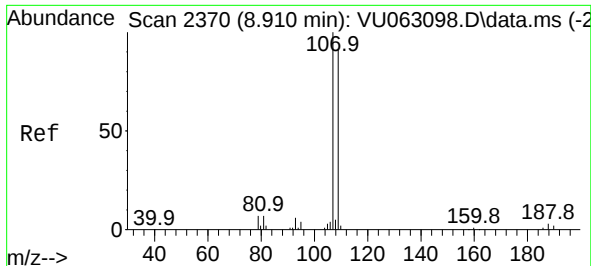


#49
Dibromochloromethane
Concen: 92.899 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42

Tgt Ion: 129 Resp: 121164

Ion	Ratio	Lower	Upper
129	100		
127	76.0	54.1	100.5





#50

1,2-Dibromoethane

Concen: 102.787 ug/L

RT: 8.910 min Scan# 2370

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

Instrument :

MSVOA_U

ClientSampleId :

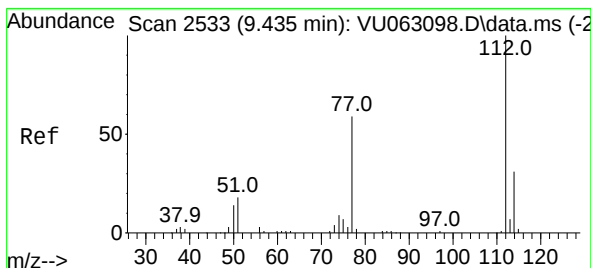
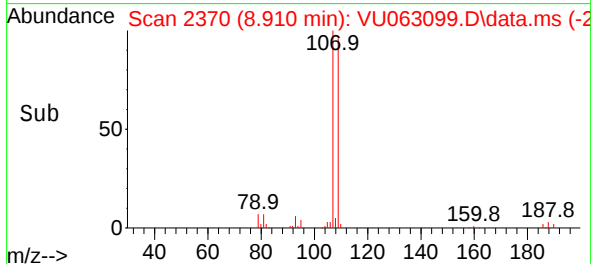
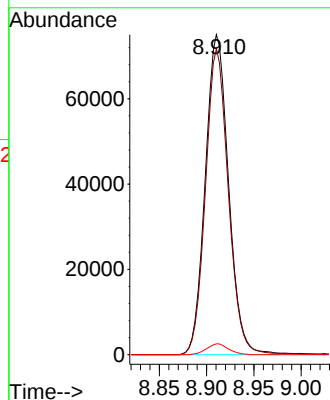
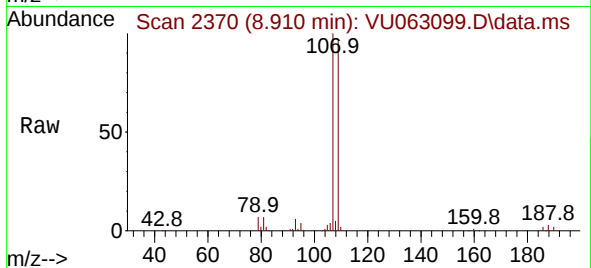
Tgt Ion:107 Resp: 128527

Ion Ratio Lower Upper

107 100

109 95.5 63.7 118.3

188 3.4 2.7 4.1



#51

Chlorobenzene

Concen: 101.991 ug/L

RT: 9.434 min Scan# 2533

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

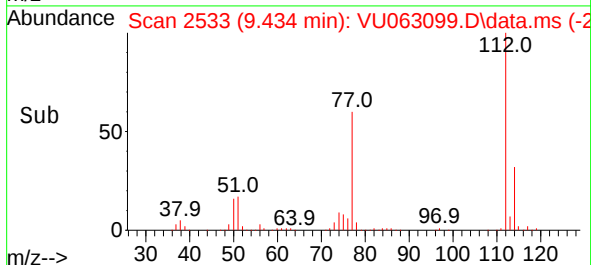
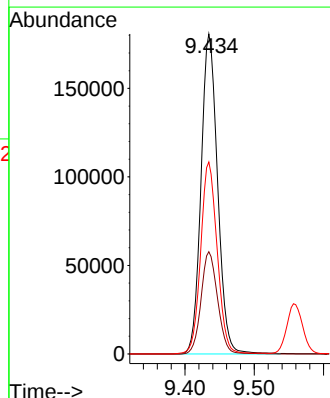
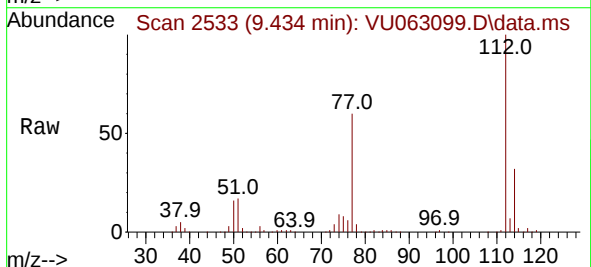
Tgt Ion:112 Resp: 299954

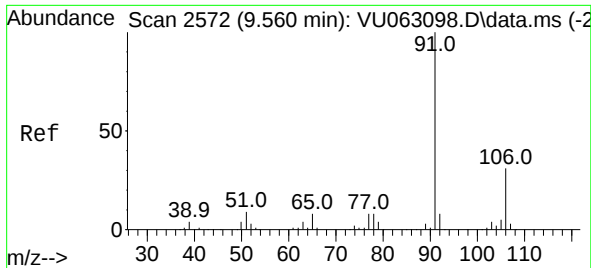
Ion Ratio Lower Upper

112 100

114 31.9 21.9 40.7

77 60.0 47.5 71.3





#52

Ethylbenzene

Concen: 102.766 ug/L

RT: 9.557 min Scan# 2571

Delta R.T. -0.003 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

Instrument :

MSVOA_U

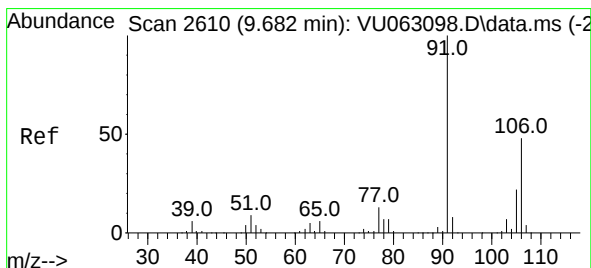
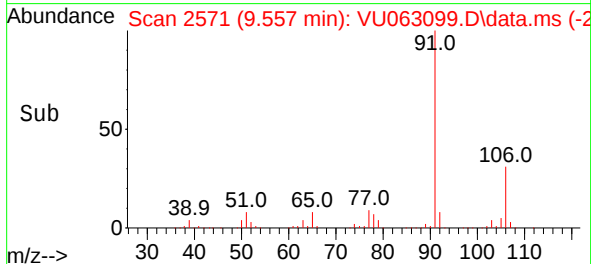
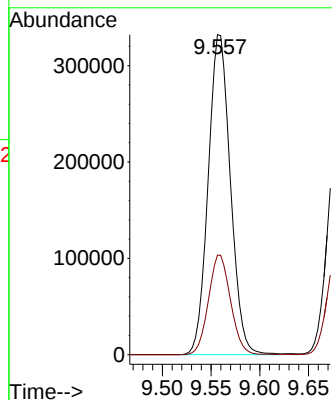
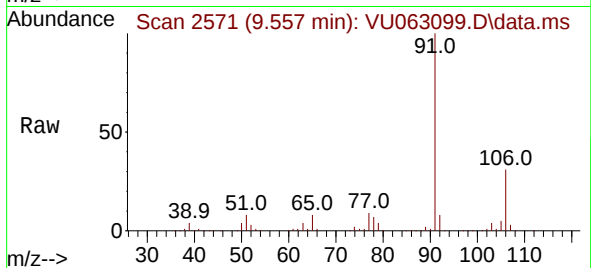
ClientSampleId :

Tgt Ion: 91 Resp: 527796

Ion Ratio Lower Upper

91 100

106 31.1 22.0 40.8



#53

m,p-Xylene

Concen: 107.504 ug/L

RT: 9.682 min Scan# 2610

Delta R.T. -0.000 min

Lab File: VU063099.D

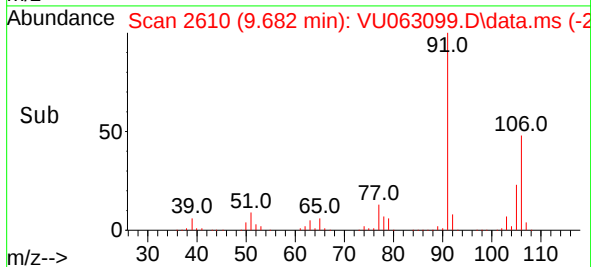
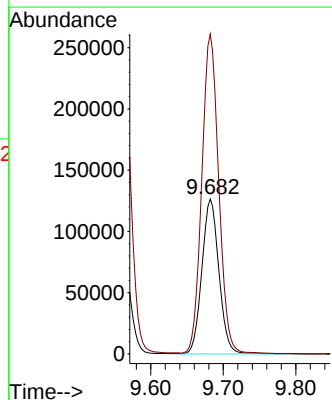
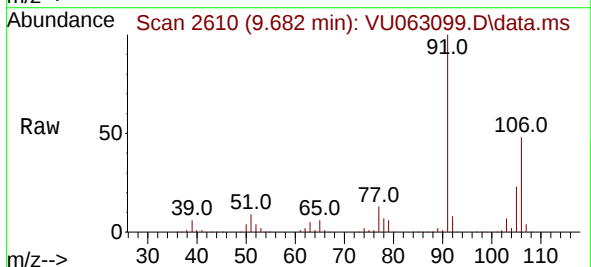
Acq: 30 Jan 2025 14:42

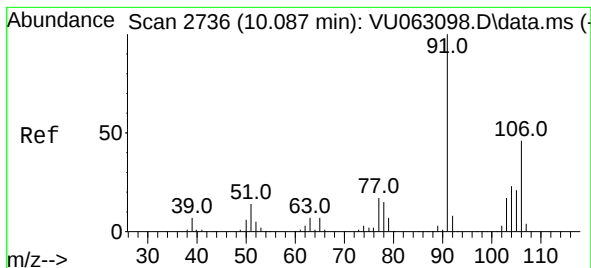
Tgt Ion:106 Resp: 205228

Ion Ratio Lower Upper

106 100

91 206.5 145.5 270.1





#54

o-Xylene

Concen: 105.520 ug/L

RT: 10.087 min Scan# 2736

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

Instrument :

MSVOA_U

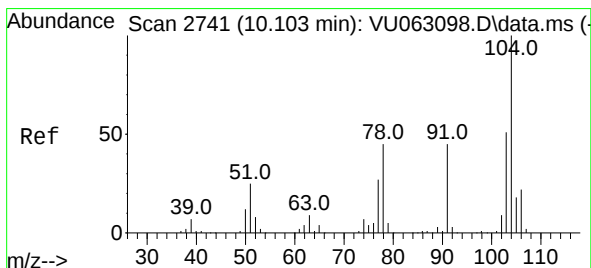
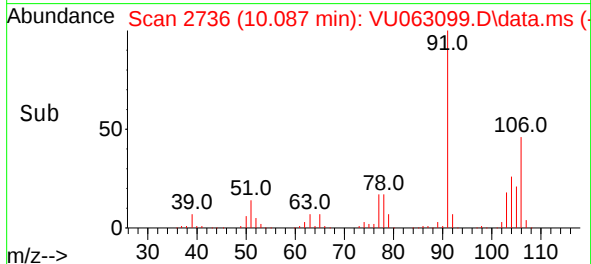
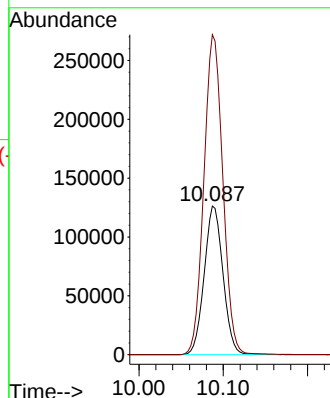
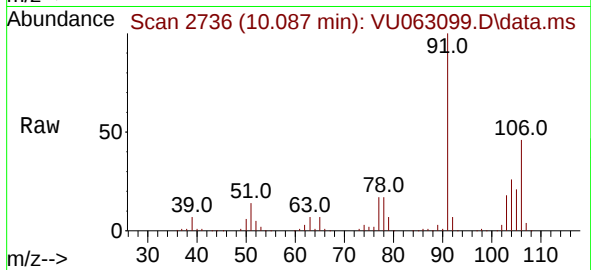
ClientSampleId :

Tgt Ion:106 Resp: 196094

Ion Ratio Lower Upper

106 100

91 215.3 152.8 283.8



#55

Styrene

Concen: 106.624 ug/L

RT: 10.103 min Scan# 2741

Delta R.T. -0.000 min

Lab File: VU063099.D

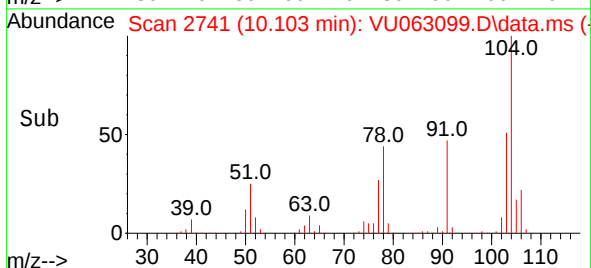
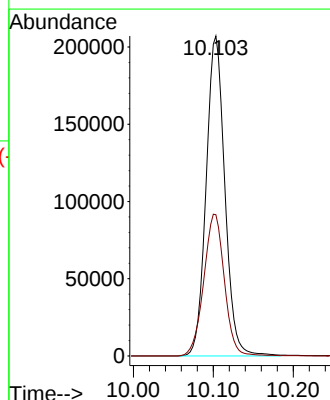
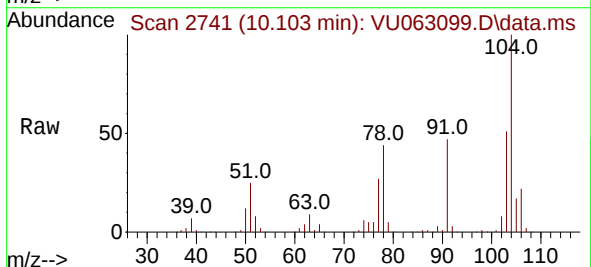
Acq: 30 Jan 2025 14:42

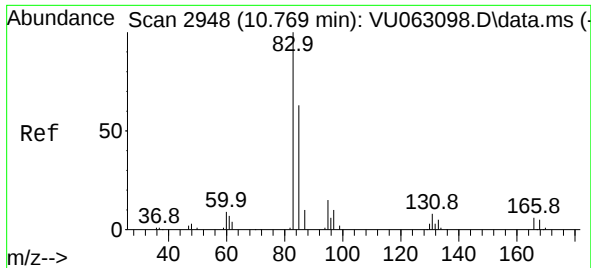
Tgt Ion:104 Resp: 337654

Ion Ratio Lower Upper

104 100

78 44.2 31.4 58.2

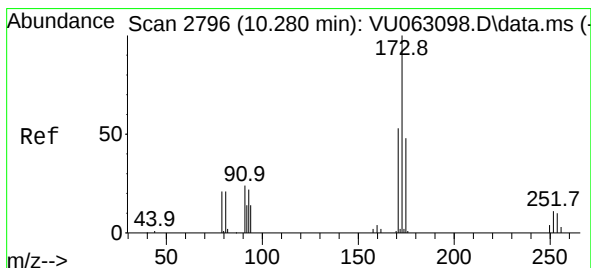
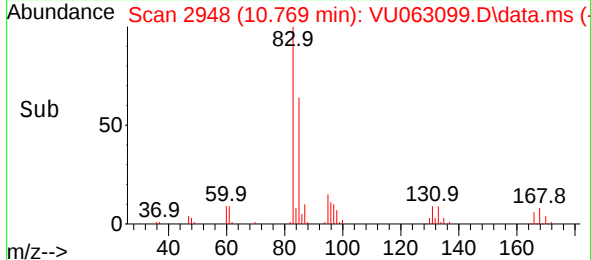
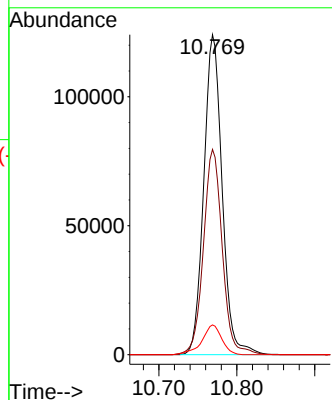
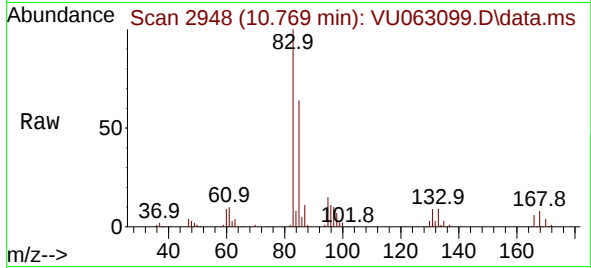




#57
1,1,2,2-Tetrachloroethane
Concen: 115.261 ug/L
RT: 10.769 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42

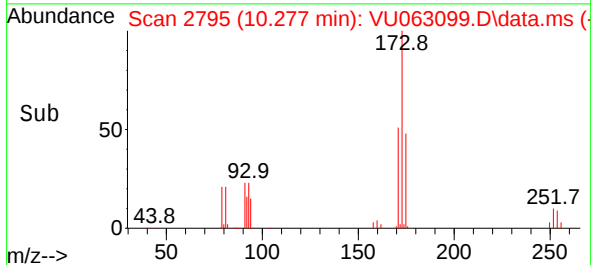
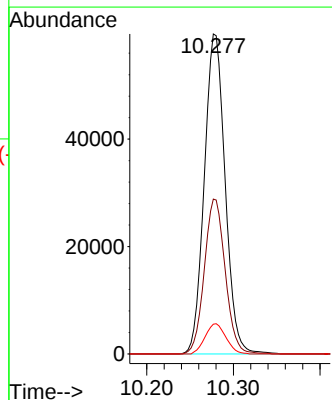
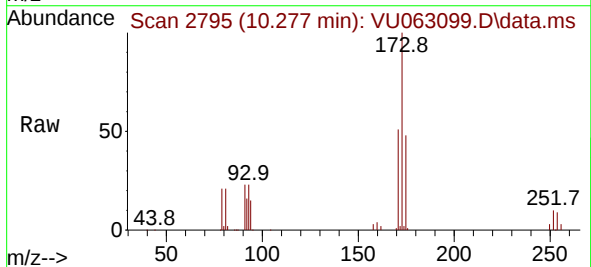
Instrument :
MSVOA_U
ClientSampleId :

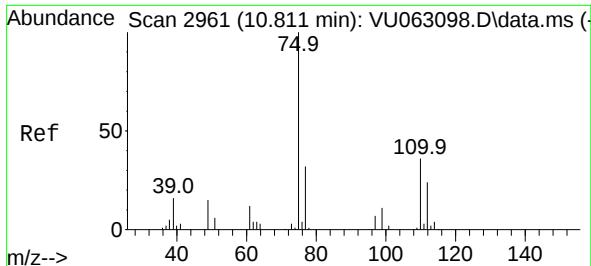
Tgt Ion: 83 Resp: 203424
Ion Ratio Lower Upper
83 100
85 64.1 44.9 83.3
131 9.3 7.1 10.7



#59
Bromoform
Concen: 98.582 ug/L
RT: 10.277 min Scan# 2795
Delta R.T. -0.003 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42

Tgt Ion:173 Resp: 99760
Ion Ratio Lower Upper
173 100
175 48.3 38.6 57.8
254 9.4 7.6 11.4





#60

1,2,3-Trichloropropane

Concen: 106.988 ug/L

RT: 10.811 min Scan# 2961

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

Instrument :

MSVOA_U

ClientSampleId :

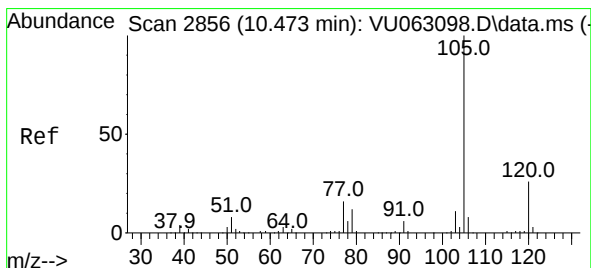
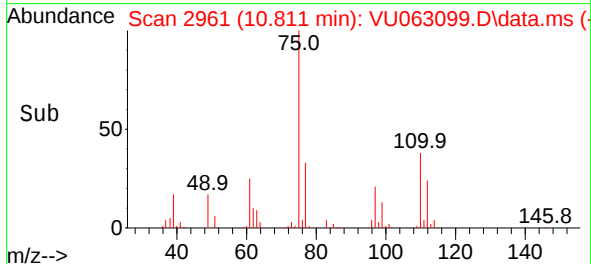
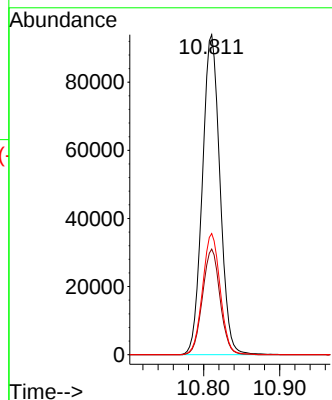
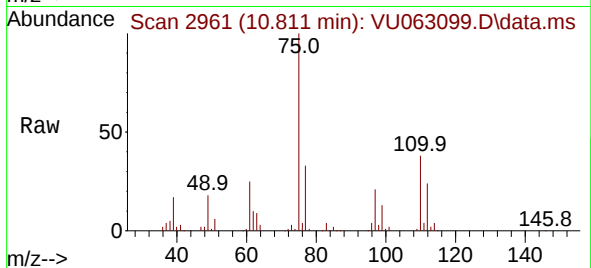
Tgt Ion: 75 Resp: 150719

Ion Ratio Lower Upper

75 100

77 32.9 25.6 38.4

110 37.9 29.1 43.7



#61

Isopropylbenzene

Concen: 104.940 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

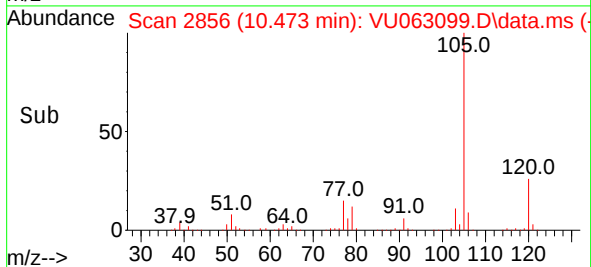
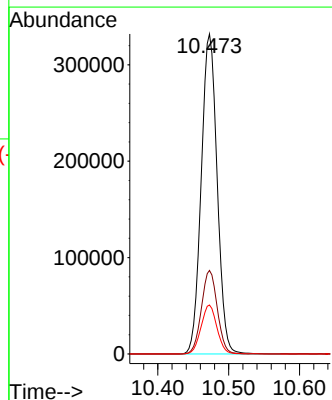
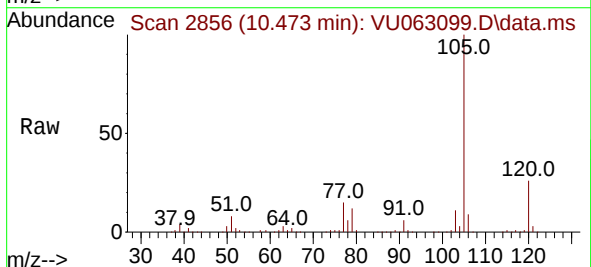
Tgt Ion:105 Resp: 517123

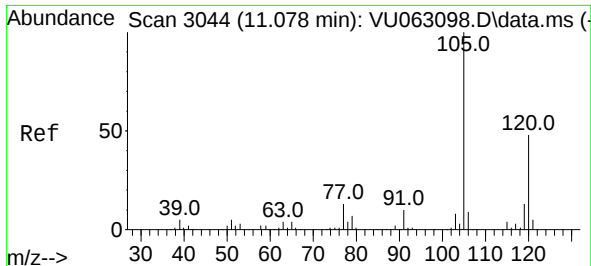
Ion Ratio Lower Upper

105 100

120 26.0 20.9 31.3

77 15.3 12.5 18.7





#62

1,3,5-Trimethylbenzene

Concen: 105.078 ug/L

RT: 11.077 min Scan# 3044

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

Instrument :

MSVOA_U

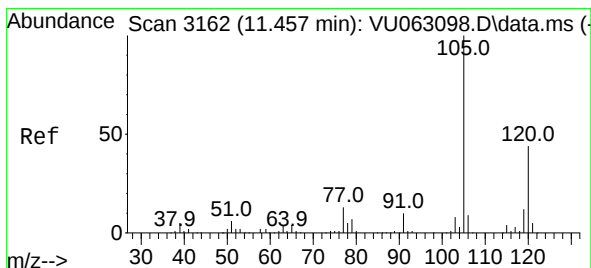
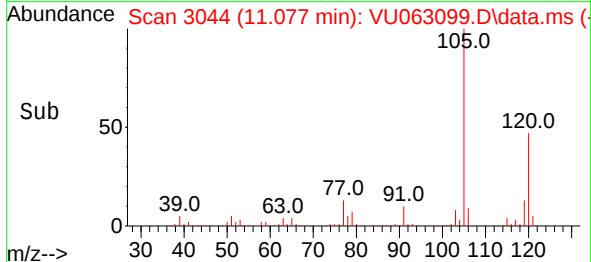
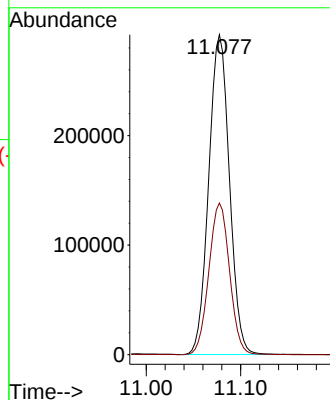
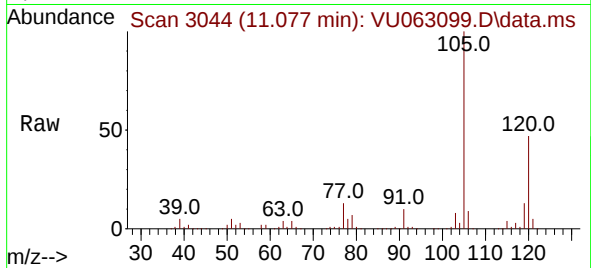
ClientSampleId :

Tgt Ion:105 Resp: 444083

Ion Ratio Lower Upper

105 100

120 47.5 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 102.504 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VU063099.D

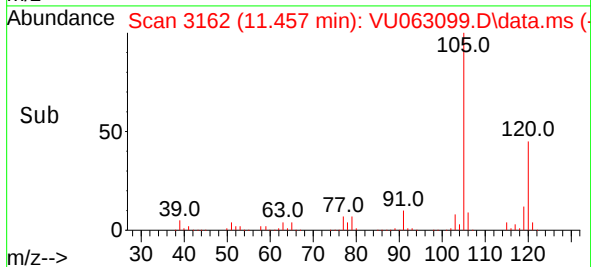
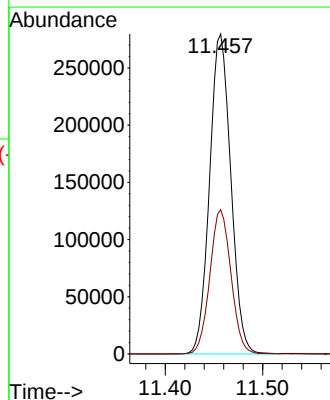
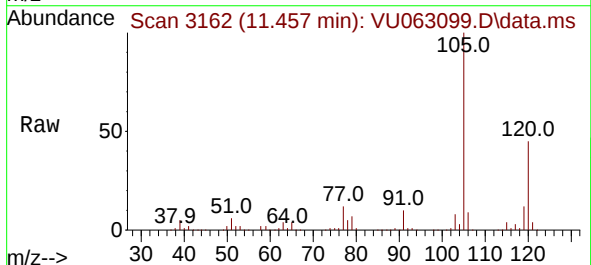
Acq: 30 Jan 2025 14:42

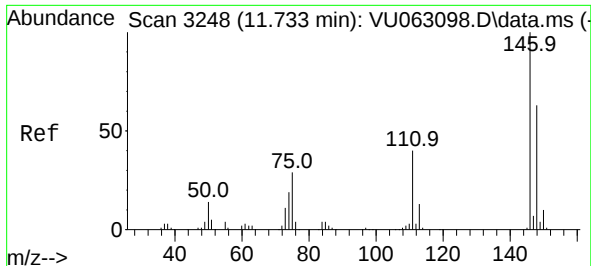
Tgt Ion:105 Resp: 424617

Ion Ratio Lower Upper

105 100

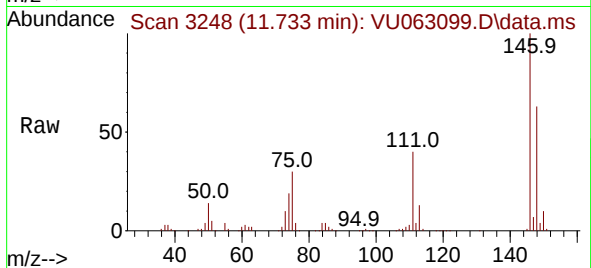
120 44.8 35.8 53.6



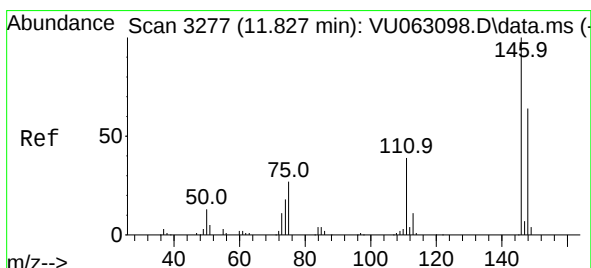
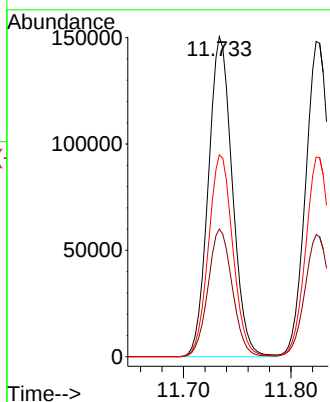
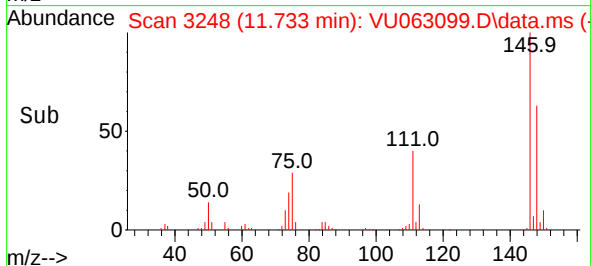


#64
1,3-Dichlorobenzene
Concen: 100.228 ug/L
RT: 11.733 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42

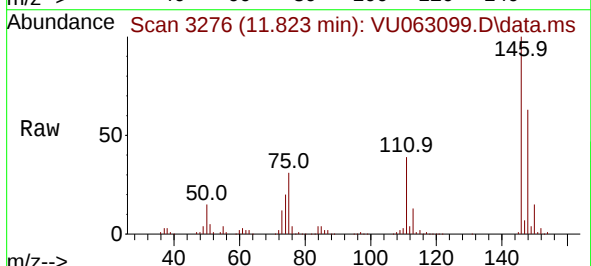
Instrument :
MSVOA_U
ClientSampleId :



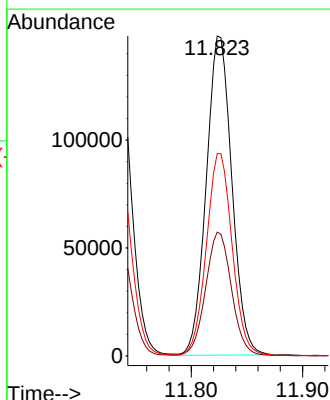
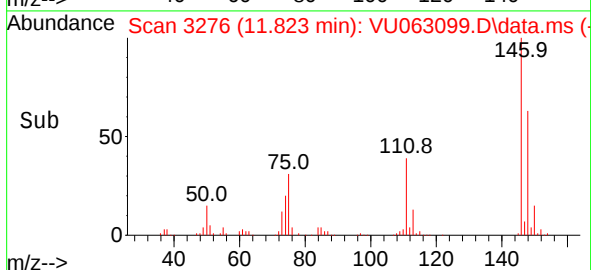
Tgt Ion:146 Resp: 233897
Ion Ratio Lower Upper
146 100
111 39.9 28.1 52.3
148 63.1 43.9 81.5

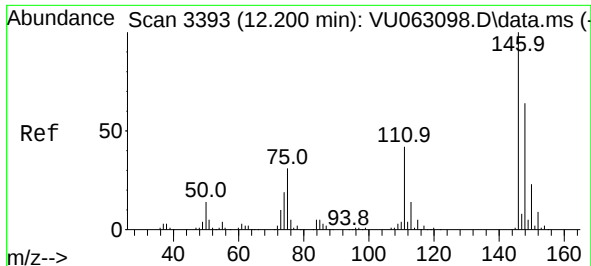


#65
1,4-Dichlorobenzene
Concen: 100.444 ug/L
RT: 11.823 min Scan# 3276
Delta R.T. -0.003 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42



Tgt Ion:146 Resp: 236062
Ion Ratio Lower Upper
146 100
111 38.7 27.2 50.6
148 63.3 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 102.215 ug/L

RT: 12.200 min Scan# 3393

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

Instrument :

MSVOA_U

ClientSampleId :

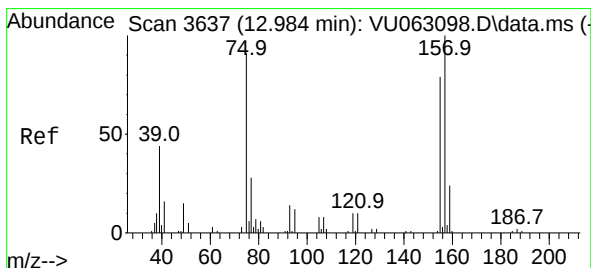
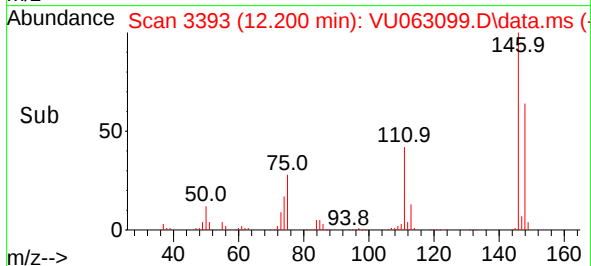
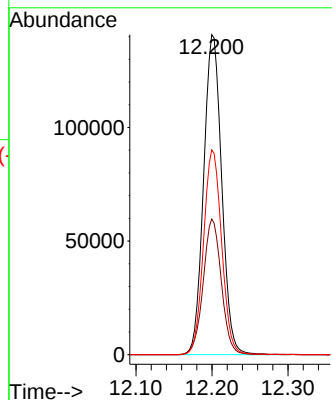
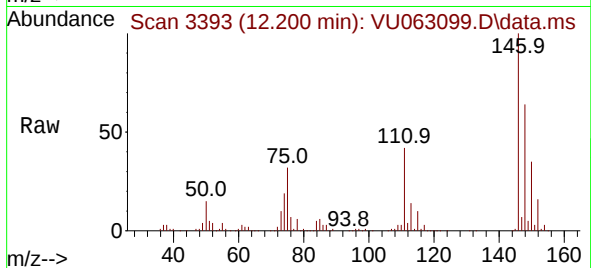
Tgt Ion:146 Resp: 232736

Ion Ratio Lower Upper

146 100

111 42.4 33.6 50.4

148 64.0 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 110.638 ug/L

RT: 12.984 min Scan# 3637

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

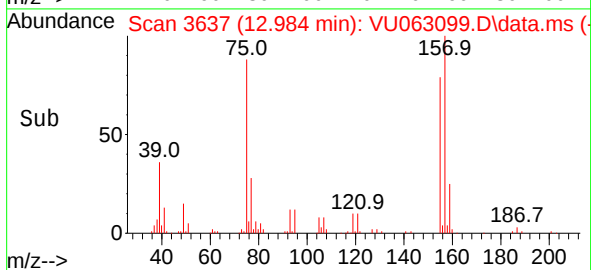
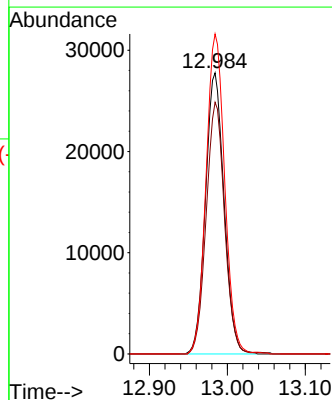
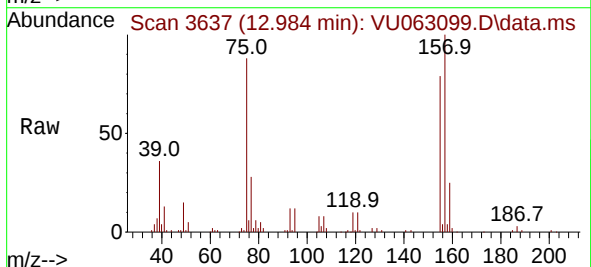
Tgt Ion: 75 Resp: 46161

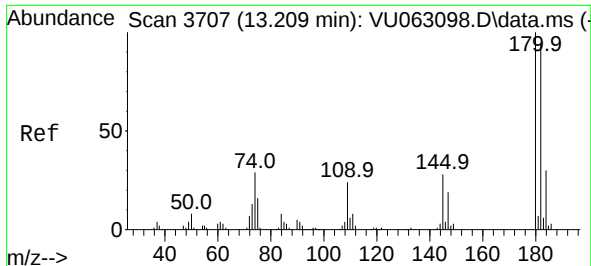
Ion Ratio Lower Upper

75 100

155 89.5 69.4 104.0

157 113.8 91.4 137.0





#69

1,3,5-Trichlorobenzene

Concen: 110.773 ug/L

RT: 13.209 min Scan# 31

Delta R.T. -0.000 min

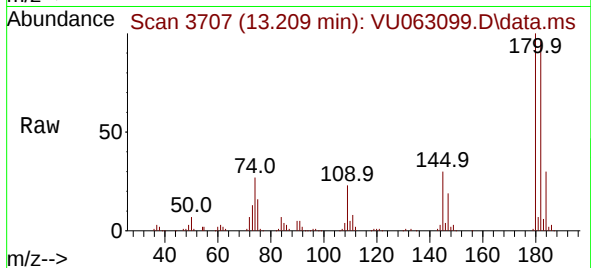
Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 173502

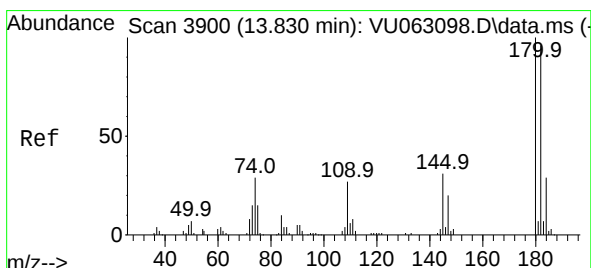
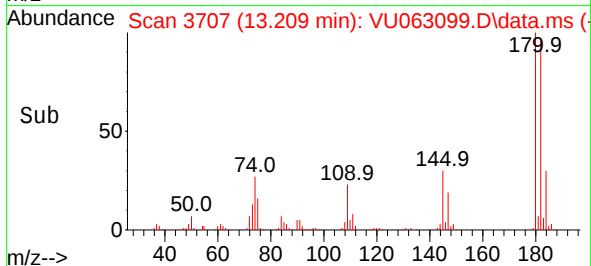
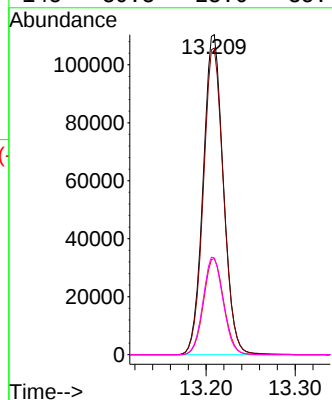
Ion Ratio Lower Upper

180 100

182 95.7 76.3 114.5

184 30.1 24.5 36.7

145 30.3 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 123.982 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. -0.000 min

Lab File: VU063099.D

Acq: 30 Jan 2025 14:42

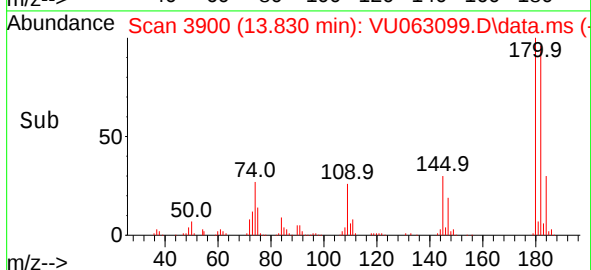
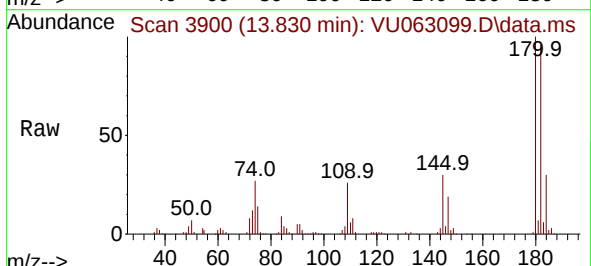
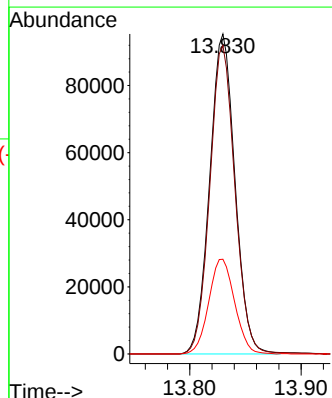
Tgt Ion:180 Resp: 150401

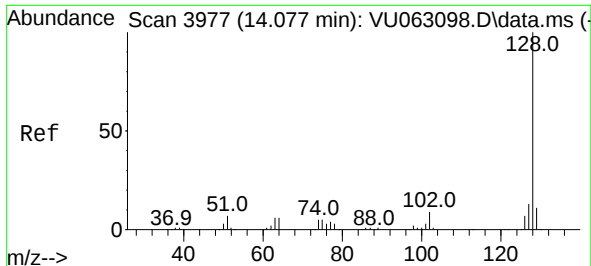
Ion Ratio Lower Upper

180 100

182 95.8 75.5 113.3

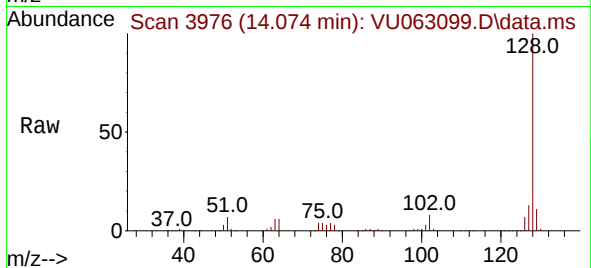
145 30.3 24.6 36.8



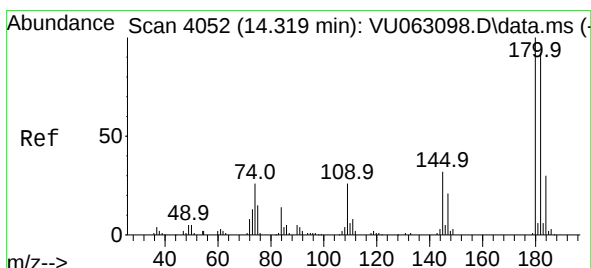
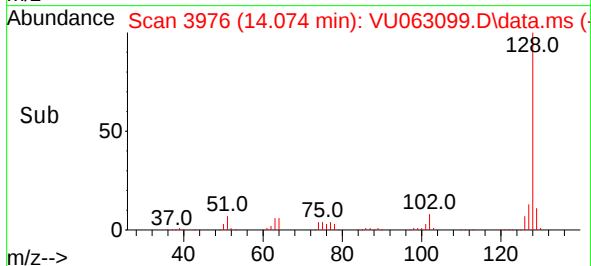
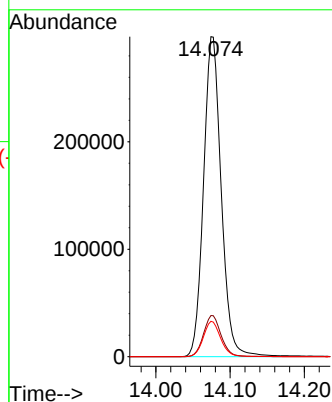


#71
Naphthalene
Concen: 150.475 ug/L
RT: 14.074 min Scan# 3976
Delta R.T. -0.003 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 492202
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.8 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 126.418 ug/L
RT: 14.318 min Scan# 4052
Delta R.T. -0.000 min
Lab File: VU063099.D
Acq: 30 Jan 2025 14:42

Tgt Ion:180 Resp: 145440
Ion Ratio Lower Upper
180 100
182 95.1 75.2 112.8
145 32.1 25.6 38.4

