

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013025\
 Data File : VU063097.D
 Acq On : 30 Jan 2025 13:54
 Operator : MD/SY
 Sample : VSTD010
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 31 07:30:05 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	152262	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	134986	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	70083	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	10199	10.266	ug/L	0.00
7) Chloroethane-d5	1.866	69	3693	4.641	ug/L	-0.03
11) 1,1-Dichloroethene-d2	2.538	63	16713	8.390	ug/L	-0.02
21) 2-Butanone-d5	4.634	46	12473	26.446	ug/L	0.03
24) Chloroform-d	5.049	84	18739	8.317	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.689	65	10851	7.391	ug/L	0.00
32) Benzene-d6	5.711	84	38006	9.982	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	12013	10.623	ug/L	0.00
41) Toluene-d8	7.888	98	35635	9.965	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	5431	8.754	ug/L	0.00
47) 2-Hexanone-d5	8.637	63	10161	26.892	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.749	84	19144	11.446	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	12753	9.233	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	7147	5.073	ug/L	98
3) Chloromethane	1.518	50	12719	12.281	ug/L	99
5) Vinyl chloride	1.599	62	13973	12.636	ug/L	97
6) Bromomethane	1.817	94	3186	4.148	ug/L	89
8) Chloroethane	1.882	64	3452	5.172	ug/L	94
9) Trichlorofluoromethane	2.087	101	13907	6.801	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.547	101	9941	9.518	ug/L	96
12) 1,1-Dichloroethene	2.547	96	9450	10.051	ug/L	95
13) Acetone	2.628	43	8487	20.529	ug/L	94
14) Carbon disulfide	2.759	76	31174	11.055	ug/L	98
15) Methyl Acetate	2.943	43	10505	13.001	ug/L	95
16) Methylene chloride	3.023	84	12108	11.542	ug/L	95
17) trans-1,2-Dichloroethene	3.329	96	10674	10.914	ug/L	96
18) Methyl tert-butyl Ether	3.354	73	32258	9.607	ug/L #	87
19) 1,1-Dichloroethane	3.846	63	18989	10.657	ug/L	95
20) cis-1,2-Dichloroethene	4.650	96	12451	11.368	ug/L	92
22) 2-Butanone	4.714	43	13291	23.756	ug/L	80
23) Bromochloromethane	4.959	128	6406	10.445	ug/L	99
25) Chloroform	5.071	83	19841	9.453	ug/L	97
27) 1,2-Dichloroethane	5.782	62	14623	8.391	ug/L	98
29) Cyclohexane	5.367	56	17693	12.725	ug/L	99
30) 1,1,1-Trichloroethane	5.296	97	17290	9.159	ug/L	98
31) Carbon tetrachloride	5.505	117	14088	8.114	ug/L	100
33) Benzene	5.759	78	44429	11.216	ug/L	100
34) Trichloroethene	6.531	95	11483	9.573	ug/L	98
35) Methylcyclohexane	6.746	83	17158	10.768	ug/L	99
37) 1,2-Dichloropropane	6.775	63	11444	11.762	ug/L #	95
38) Bromodichloromethane	7.097	83	13781	8.958	ug/L	95
39) cis-1,3-Dichloropropene	7.598	75	16984	9.987	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	28880	26.765	ug/L	98
42) Toluene	7.959	91	47767	11.316	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	16021	9.580	ug/L	99

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

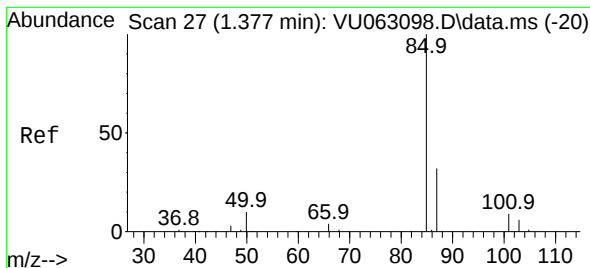
45) 1,1,2-Trichloroethane	8.393	97	11629	11.238	ug/L	98
46) Tetrachloroethene	8.544	164	8193	9.446	ug/L	98
48) 2-Hexanone	8.685	43	22812	27.841	ug/L	95
49) Dibromochloromethane	8.801	129	11787	9.719	ug/L	96
50) 1,2-Dibromoethane	8.914	107	12684	10.909	ug/L	97
51) Chlorobenzene	9.438	112	28978	10.597	ug/L	98
52) Ethylbenzene	9.563	91	48291	10.112	ug/L	99
53) m,p-Xylene	9.685	106	18029	10.157	ug/L	97
54) o-Xylene	10.094	106	19469	11.267	ug/L	97
55) Styrene	10.110	104	32773	11.130	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	22230	13.546	ug/L	98
59) Bromoform	10.286	173	9714	10.120	ug/L #	98
60) 1,2,3-Trichloropropane	10.817	75	16219	12.138	ug/L	98
61) Isopropylbenzene	10.476	105	46951	10.045	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	39189	9.776	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	38587	9.820	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	23505	10.619	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	24814	11.131	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	23461	10.863	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	3819	9.650	ug/L	92
69) 1,3,5-Trichlorobenzene	13.212	180	15185	10.221	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	12081	10.499	ug/L	96
71) Naphthalene	14.081	128	36314	11.704	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	11766	10.782	ug/L	98

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

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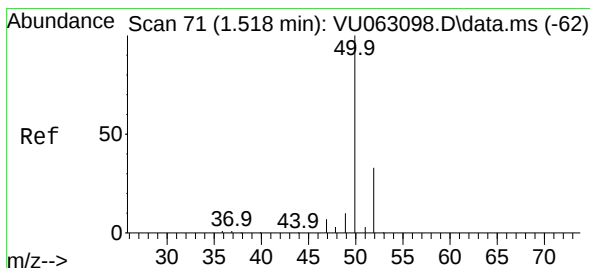
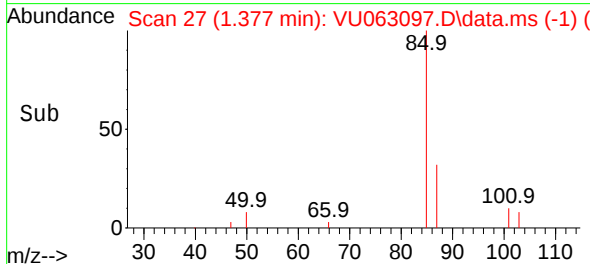
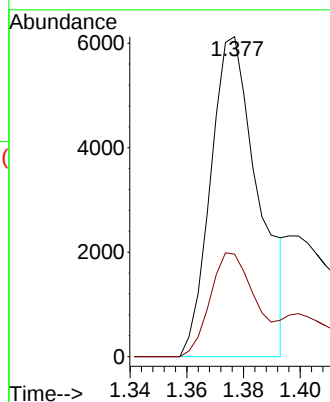
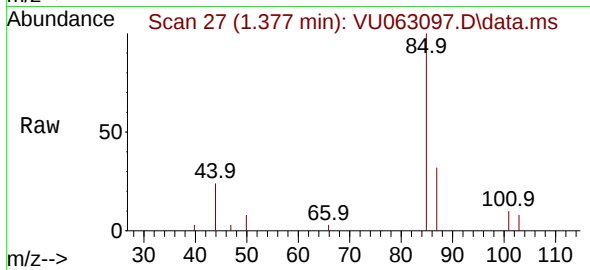




#2
 Dichlorodifluoromethane
 Concen: 5.073 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU063097.D
 Acq: 30 Jan 2025 13:54

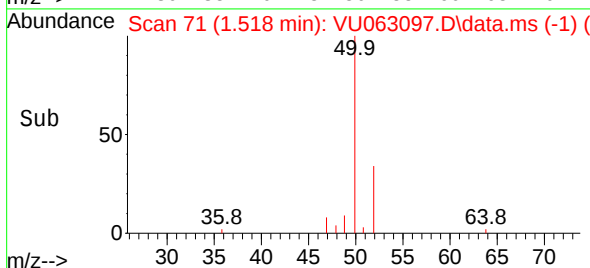
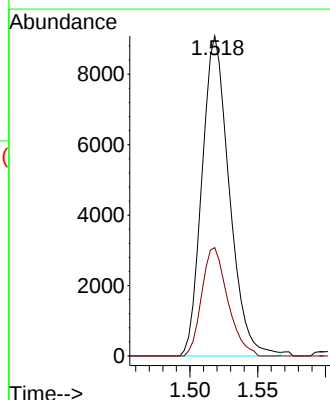
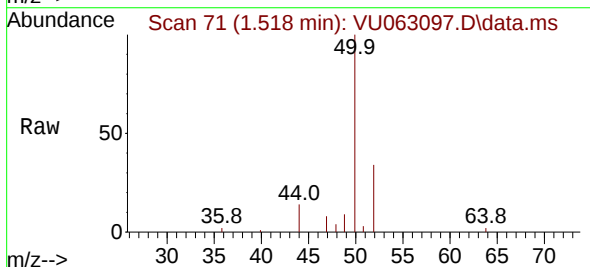
Instrument :
 MSVOA_U
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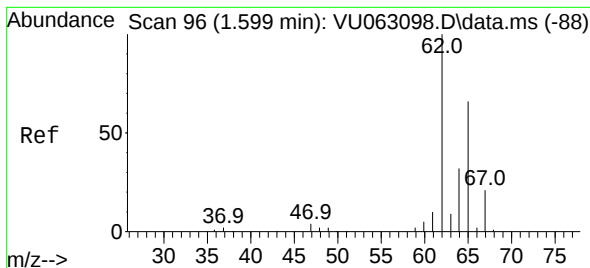
Tgt Ion: 85 Resp: 7147
 Ion Ratio Lower Upper
 85 100
 87 30.4 25.2 37.8



#3
 Chloromethane
 Concen: 12.281 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU063097.D
 Acq: 30 Jan 2025 13:54

Tgt Ion: 50 Resp: 12719
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.4 43.4





#5

Vinyl chloride

Concen: 12.636 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

Instrument :

MSVOA_U

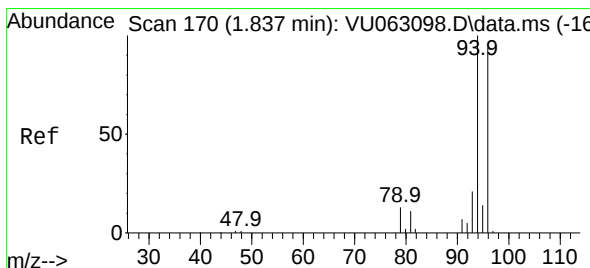
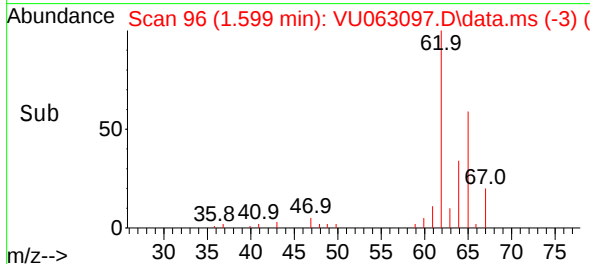
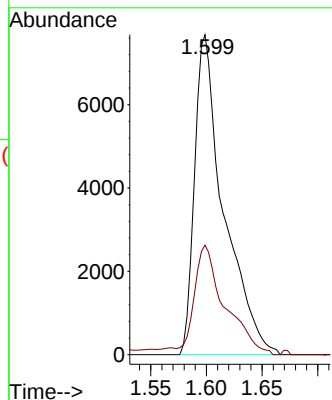
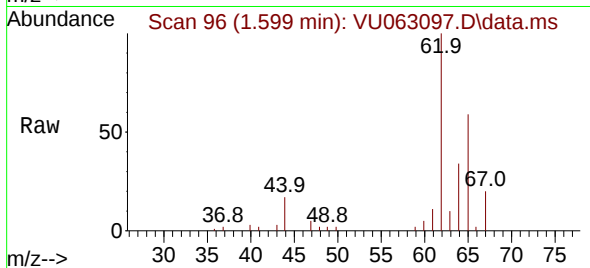
ClientSampleId :

Tgt Ion: 62 Resp: 13973

Ion Ratio Lower Upper

62 100

64 34.2 22.9 42.5



#6

Bromomethane

Concen: 4.148 ug/L

RT: 1.817 min Scan# 164

Delta R.T. -0.019 min

Lab File: VU063097.D

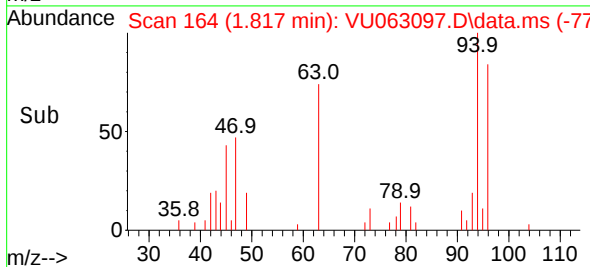
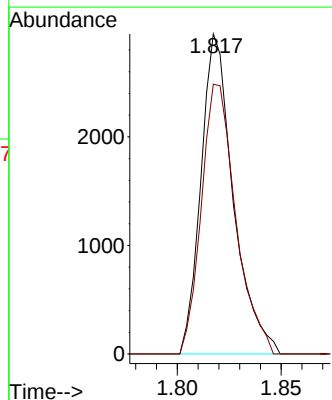
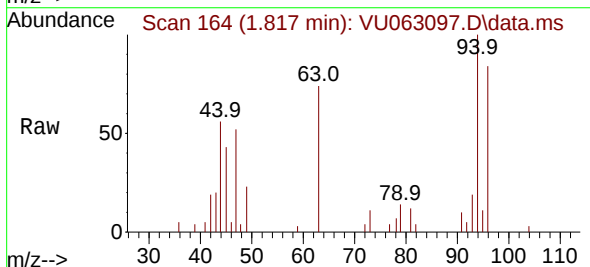
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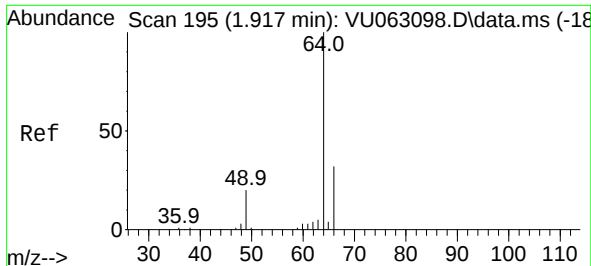
Tgt Ion: 94 Resp: 3186

Ion Ratio Lower Upper

94 100

96 84.3 66.1 122.8

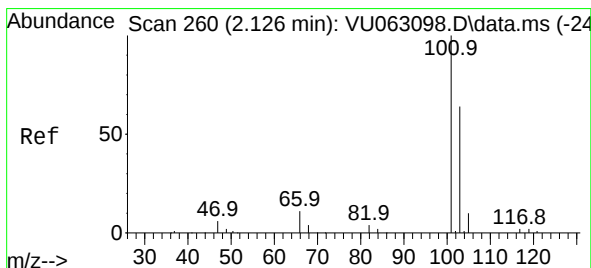
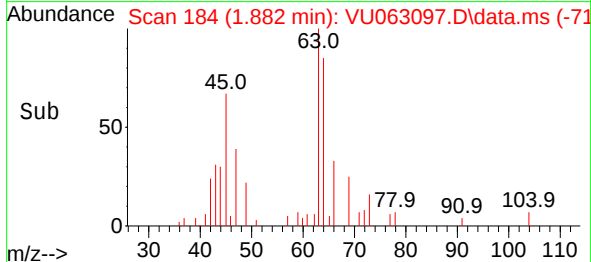
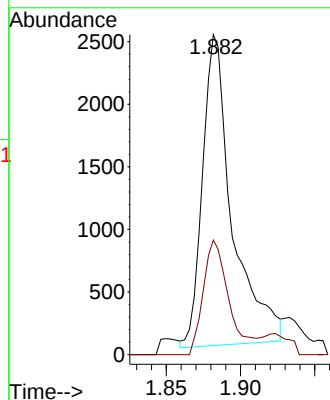
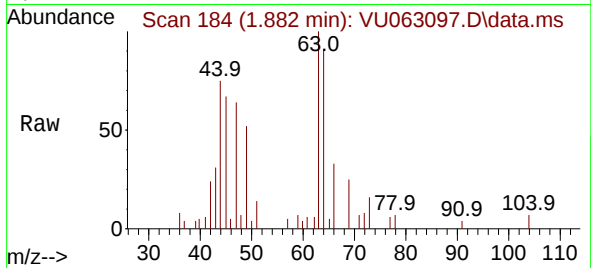




#8
Chloroethane
Concen: 5.172 ug/L
RT: 1.882 min Scan# 11
Delta R.T. -0.036 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

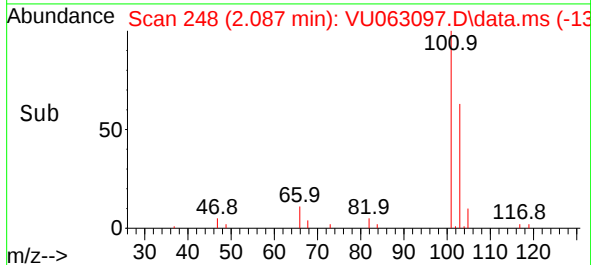
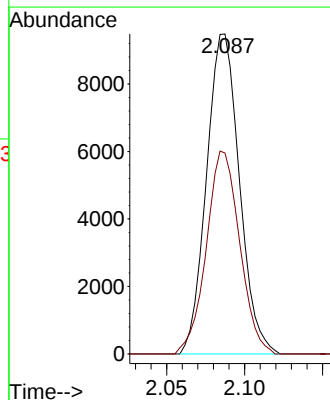
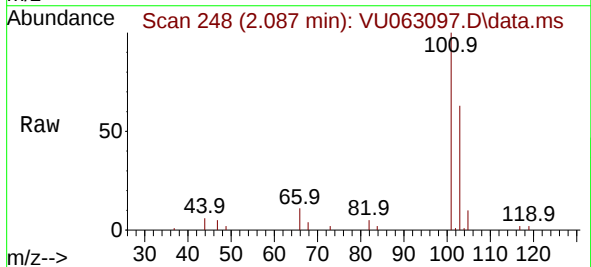
Instrument :
MSVOA_U
ClientSampleId :

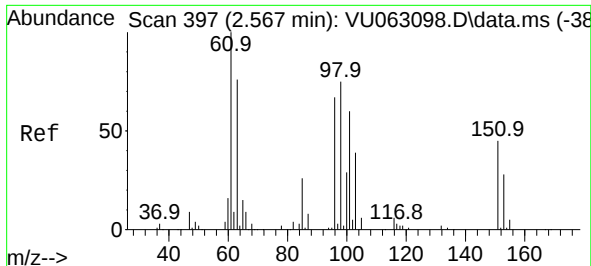
Tgt Ion: 64 Resp: 3452
Ion Ratio Lower Upper
64 100
66 35.8 22.7 42.1



#9
Trichlorofluoromethane
Concen: 6.801 ug/L
RT: 2.087 min Scan# 248
Delta R.T. -0.039 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

Tgt Ion:101 Resp: 13907
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.2

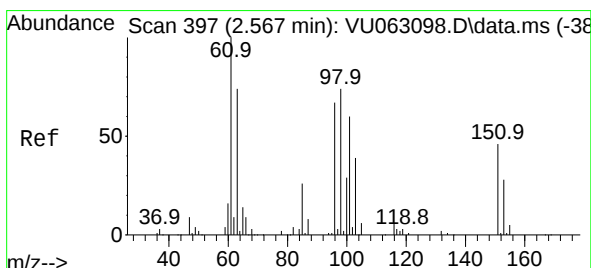
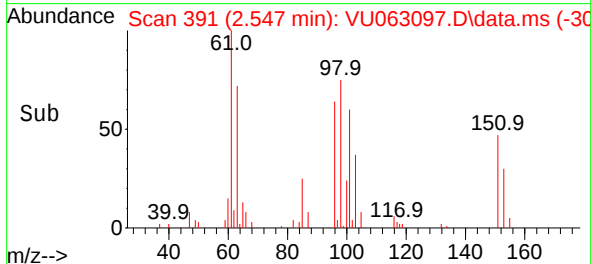
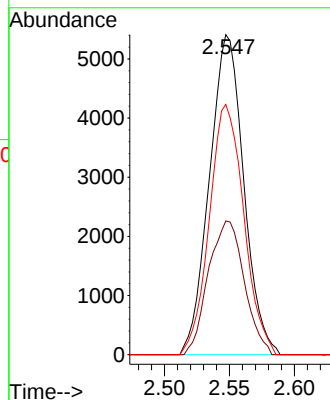
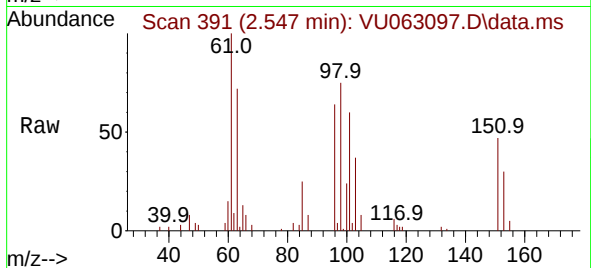




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.518 ug/L
RT: 2.547 min Scan# 391
Delta R.T. -0.019 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

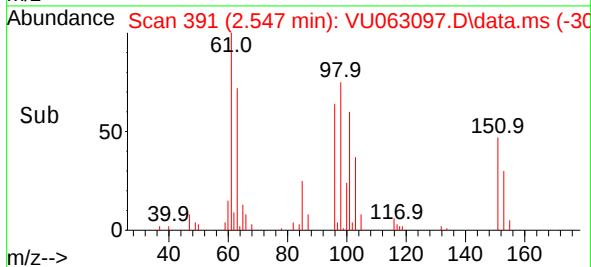
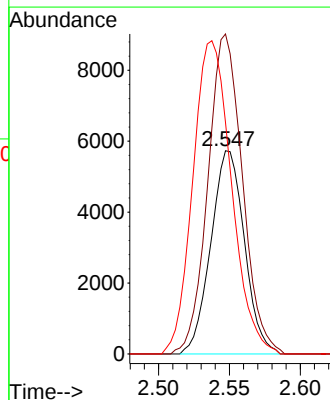
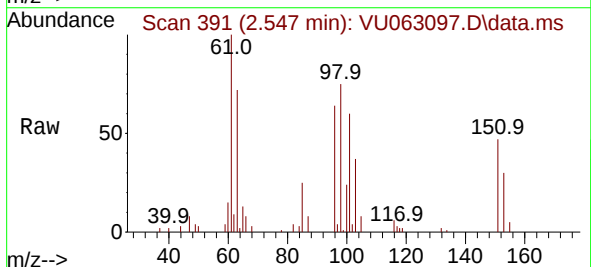
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MSVOA_U
ClientSampleId :

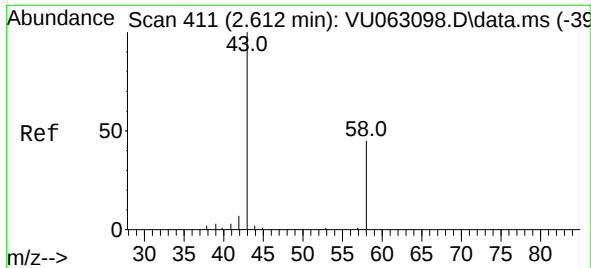
Tgt Ion:101 Resp: 9941
Ion Ratio Lower Upper
101 100
85 43.7 33.2 49.8
151 78.6 60.4 90.6



#12
1,1-Dichloroethene
Concen: 10.051 ug/L
RT: 2.547 min Scan# 391
Delta R.T. -0.019 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

Tgt Ion: 96 Resp: 9450
Ion Ratio Lower Upper
96 100
61 157.4 104.2 193.4
63 114.0 81.5 151.5





#13

Acetone

Concen: 20.529 ug/L

RT: 2.628 min Scan# 41

Delta R.T. 0.016 min

Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

Instrument :

MSVOA_U

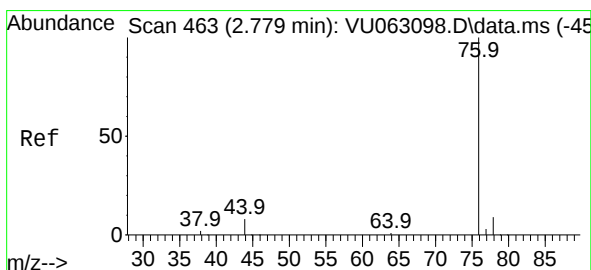
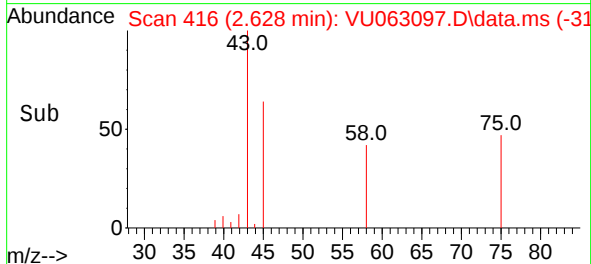
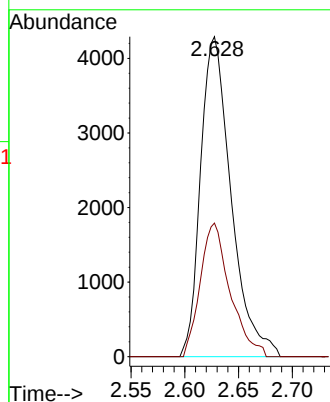
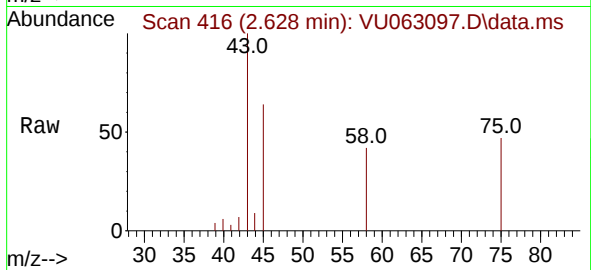
ClientSampleId :

Tgt Ion: 43 Resp: 8487

Ion Ratio Lower Upper

43 100

58 40.8 0.0 88.8



#14

Carbon disulfide

Concen: 11.055 ug/L

RT: 2.759 min Scan# 457

Delta R.T. -0.019 min

Lab File: VU063097.D

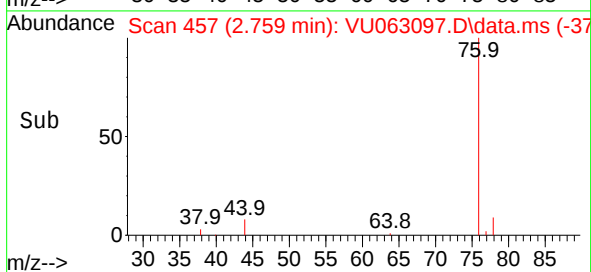
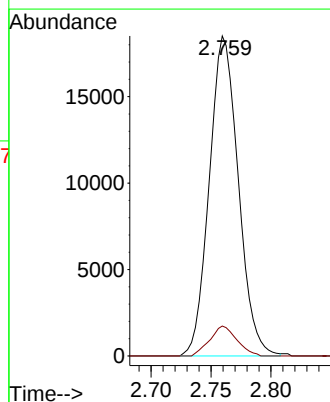
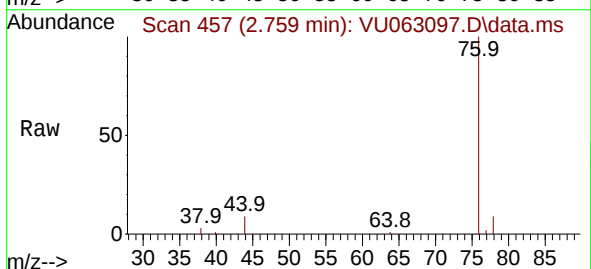
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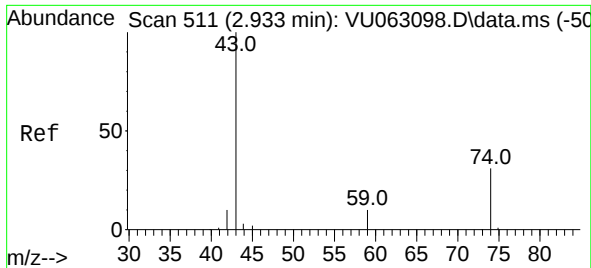
Tgt Ion: 76 Resp: 31174

Ion Ratio Lower Upper

76 100

78 9.3 6.8 10.2

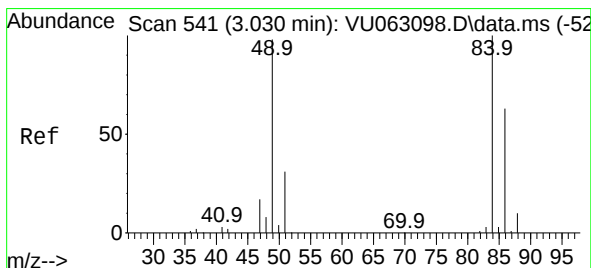
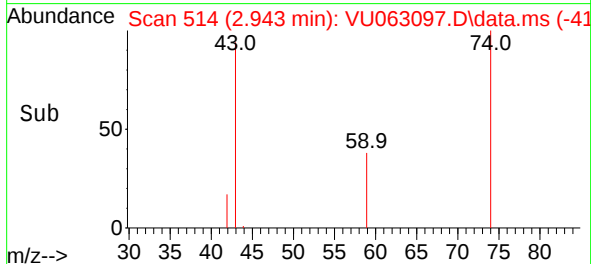
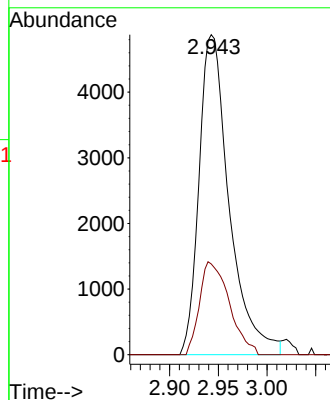
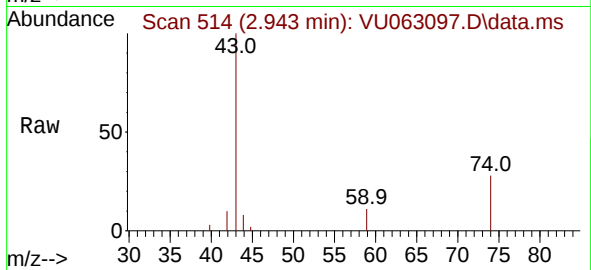




#15
Methyl Acetate
Concen: 13.001 ug/L
RT: 2.943 min Scan# 511
Delta R.T. 0.010 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

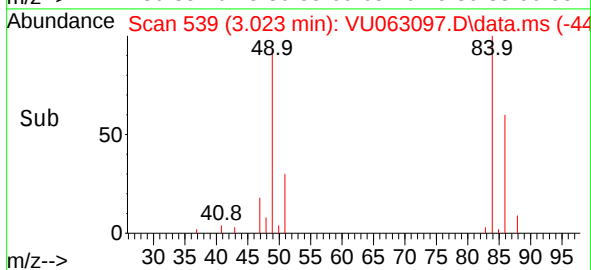
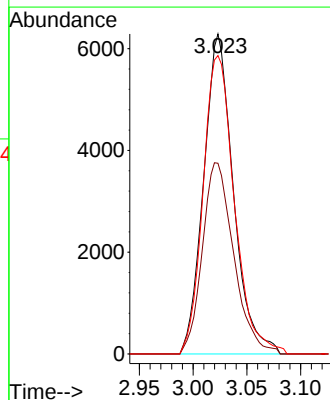
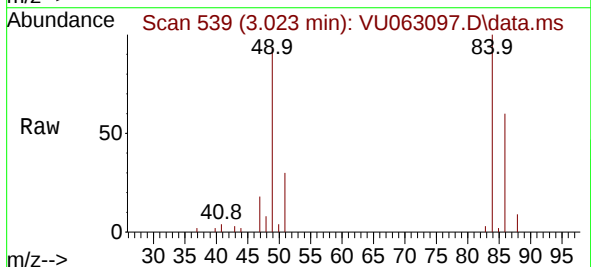
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ClientSampleId :

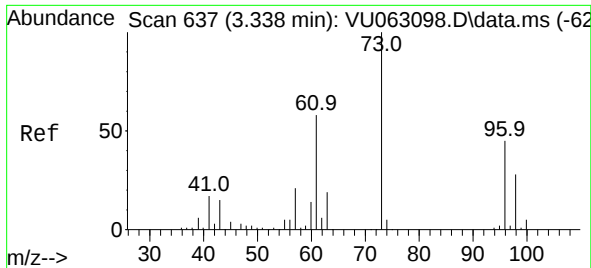
Tgt Ion: 43 Resp: 10505
Ion Ratio Lower Upper
43 100
74 28.6 25.0 37.6



#16
Methylene chloride
Concen: 11.542 ug/L
RT: 3.023 min Scan# 539
Delta R.T. -0.007 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

Tgt Ion: 84 Resp: 12108
Ion Ratio Lower Upper
84 100
86 59.6 44.2 82.0
49 93.2 68.4 127.0

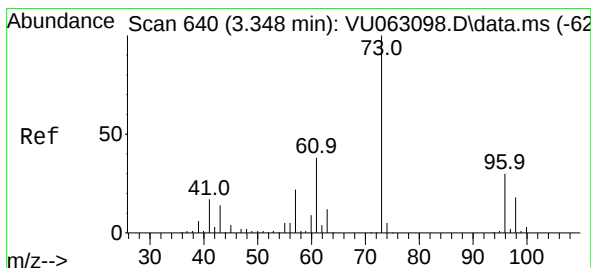
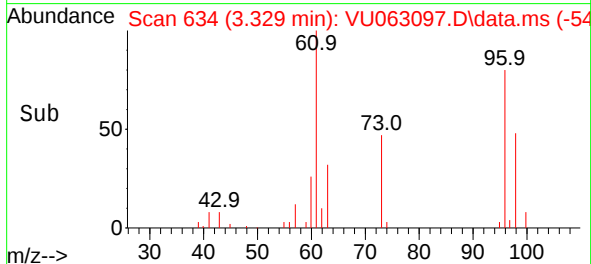
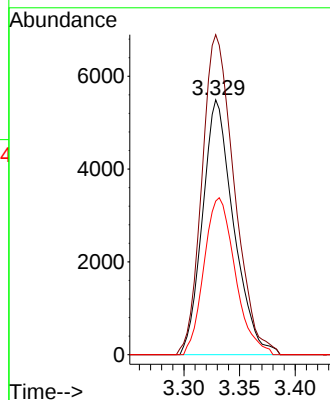
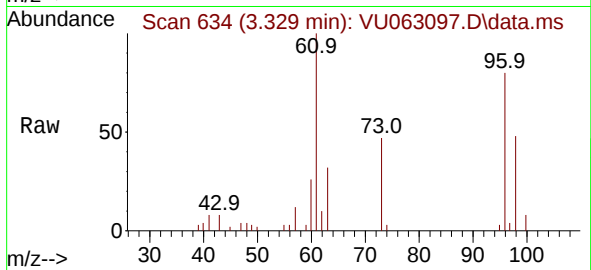




#17
trans-1,2-Dichloroethene
Concen: 10.914 ug/L
RT: 3.329 min Scan# 61
Delta R.T. -0.010 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

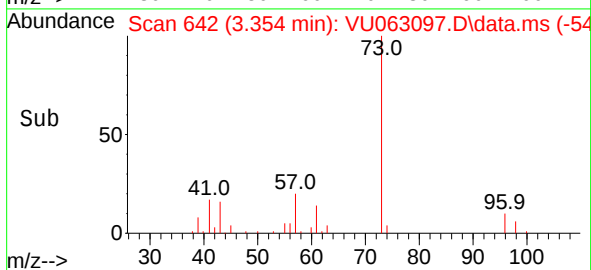
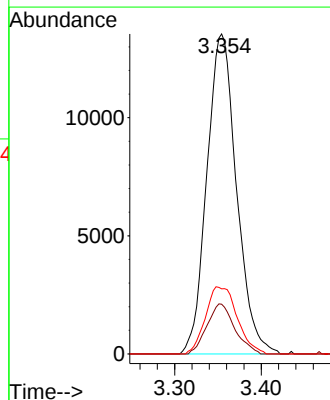
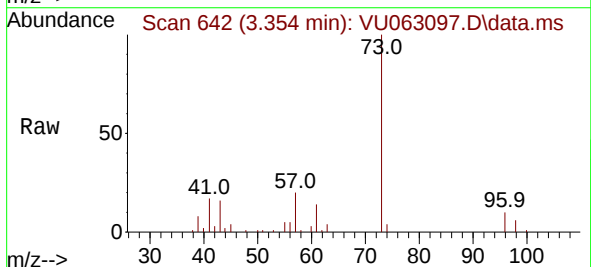
Instrument :
MSVOA_U
ClientSampleId :

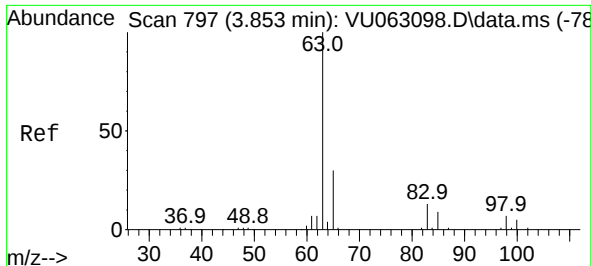
Tgt Ion: 96 Resp: 10674
Ion Ratio Lower Upper
96 100
61 125.5 91.1 169.3
98 60.3 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 9.607 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.006 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

Tgt Ion: 73 Resp: 32258
Ion Ratio Lower Upper
73 100
43 14.7 11.4 17.2
57 11.9 17.2 25.8#

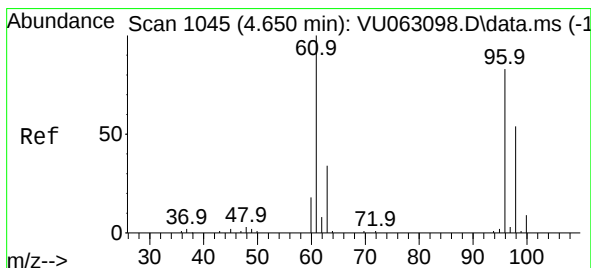
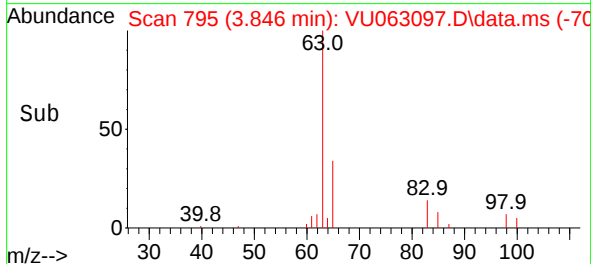
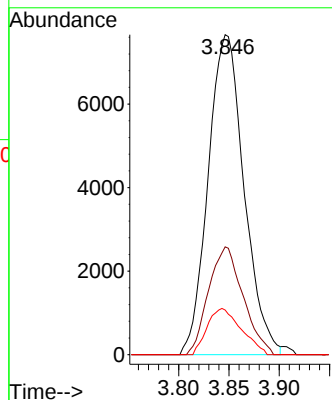
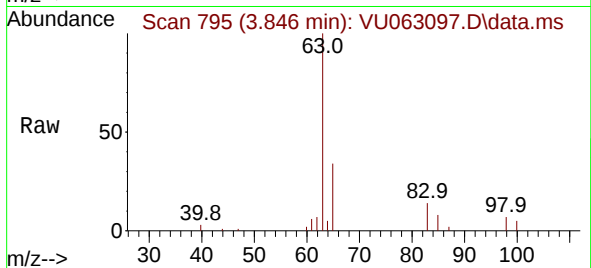




#19
1,1-Dichloroethane
Concen: 10.657 ug/L
RT: 3.846 min Scan# 795
Delta R.T. -0.007 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

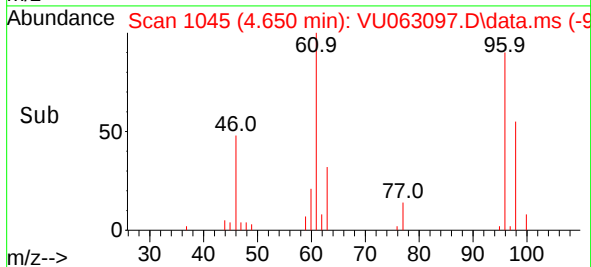
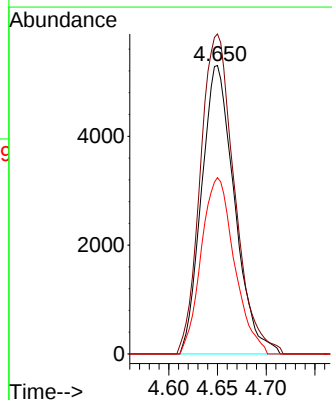
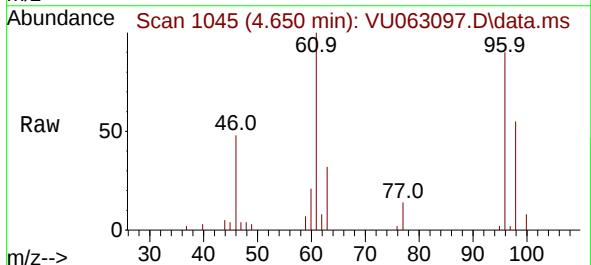
Instrument :
MSVOA_U
ClientSampleId :

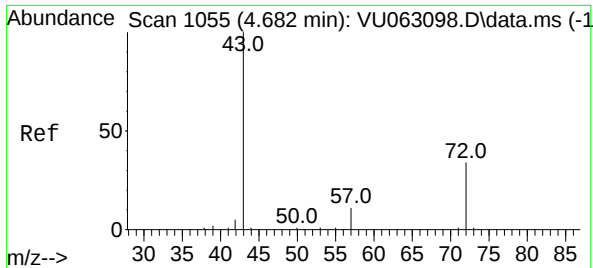
Tgt Ion: 63 Resp: 18989
Ion Ratio Lower Upper
63 100
65 33.7 20.9 38.9
83 13.9 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 11.368 ug/L
RT: 4.650 min Scan# 1045
Delta R.T. -0.000 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

Tgt Ion: 96 Resp: 12451
Ion Ratio Lower Upper
96 100
61 110.9 84.4 156.8
98 61.1 46.0 85.4

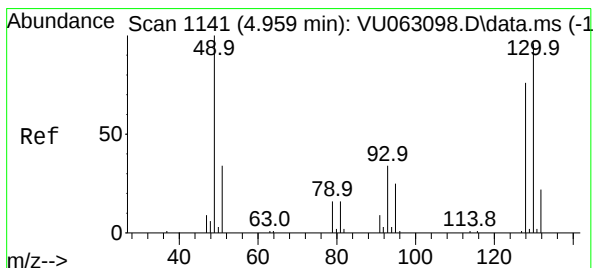
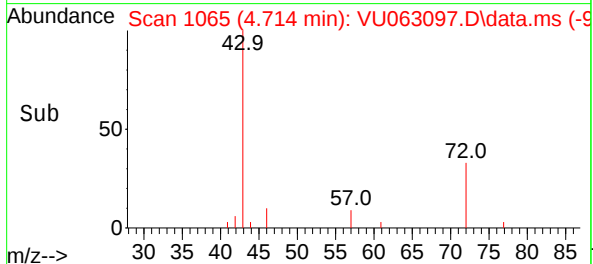
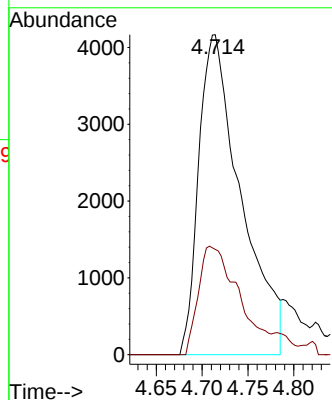
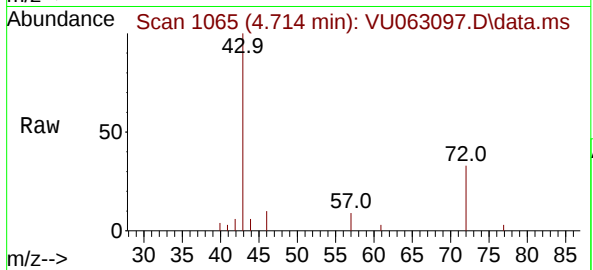




#22
2-Butanone
Concen: 23.756 ug/L
RT: 4.714 min Scan# 1065
Delta R.T. 0.032 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

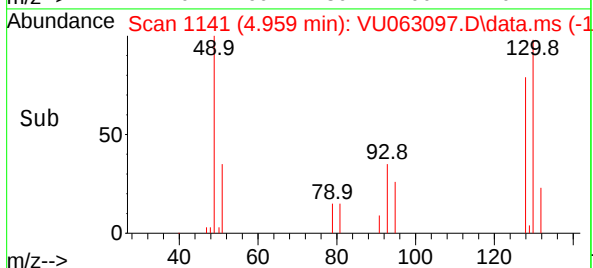
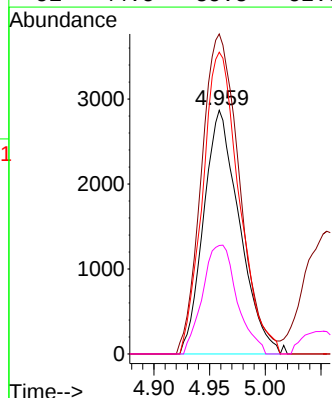
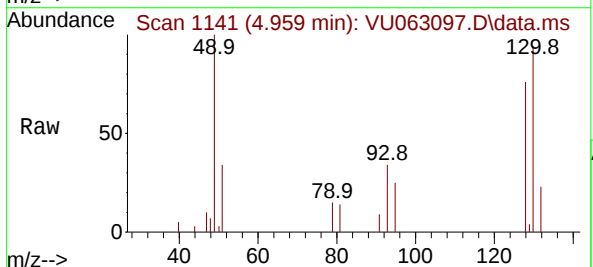
Instrument :
MSVOA_U
ClientSampleId :

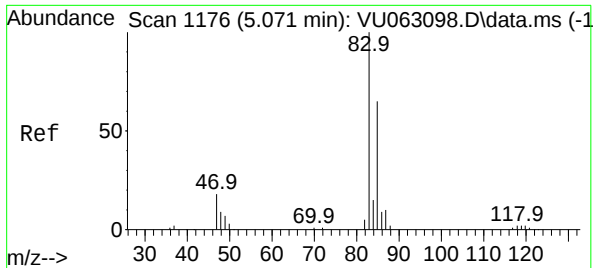
Tgt Ion: 43 Resp: 13291
Ion Ratio Lower Upper
43 100
72 23.7 17.5 52.6



#23
Bromochloromethane
Concen: 10.445 ug/L
RT: 4.959 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

Tgt Ion:128 Resp: 6406
Ion Ratio Lower Upper
128 100
49 131.3 92.0 170.9
130 123.8 88.3 164.1
51 44.5 35.3 52.9

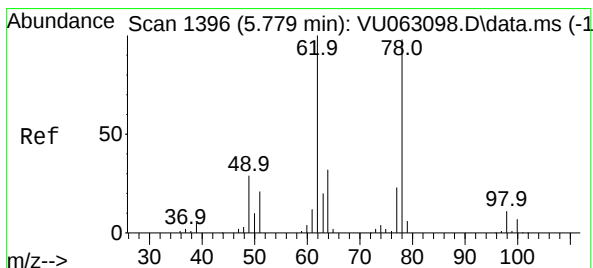
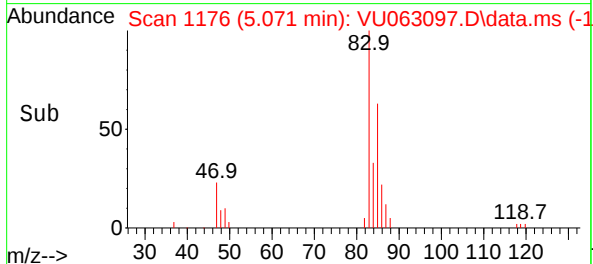
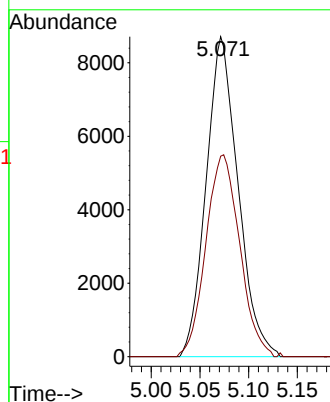
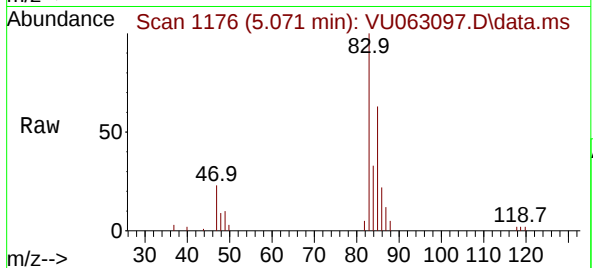




#25
Chloroform
Concen: 9.453 ug/L
RT: 5.071 min Scan# 1176
Delta R.T. -0.000 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

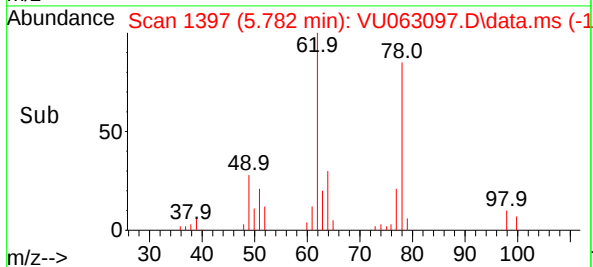
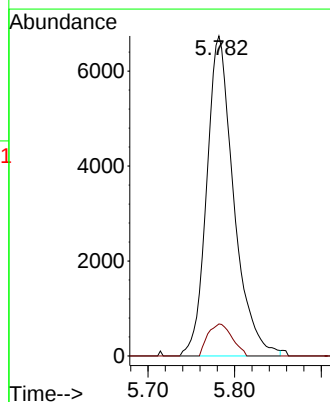
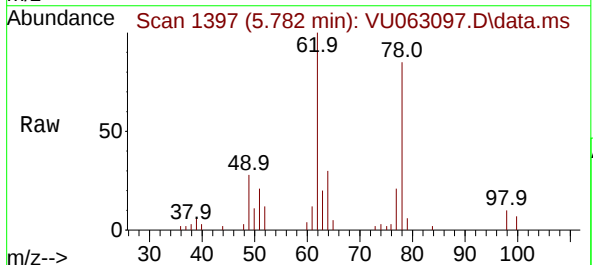
Instrument :
MSVOA_U
ClientSampleId :

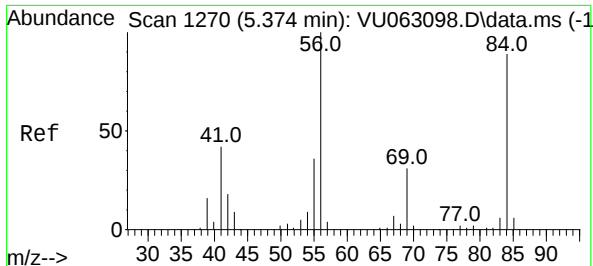
Tgt Ion: 83 Resp: 19841
Ion Ratio Lower Upper
83 100
85 62.7 45.4 84.4



#27
1,2-Dichloroethane
Concen: 8.391 ug/L
RT: 5.782 min Scan# 1397
Delta R.T. 0.003 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

Tgt Ion: 62 Resp: 14623
Ion Ratio Lower Upper
62 100
98 10.0 8.5 12.7





#29

Cyclohexane

Concen: 12.725 ug/L

RT: 5.367 min Scan# 1268

Delta R.T. -0.007 min

Lab File: VU063097.D

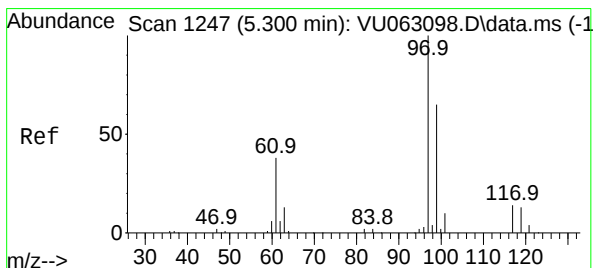
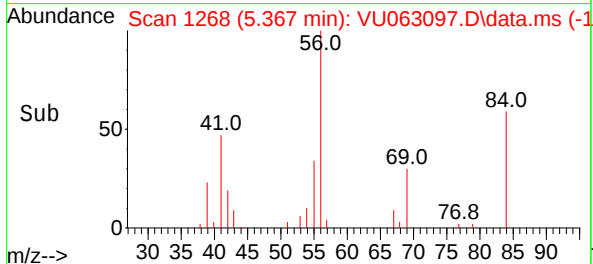
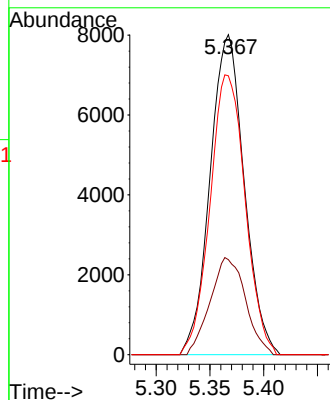
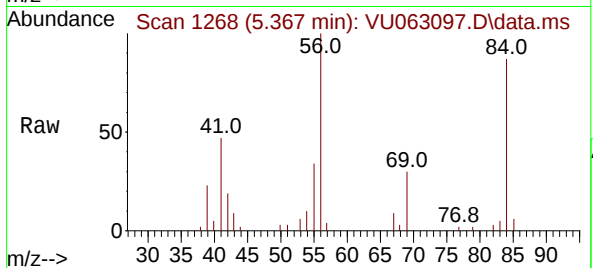
Acq: 30 Jan 2025 13:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 56	Resp: 17693
Ion Ratio	Lower Upper
56 100	
69 31.3	25.6 38.4
84 89.8	71.6 107.4



#30

1,1,1-Trichloroethane

Concen: 9.159 ug/L

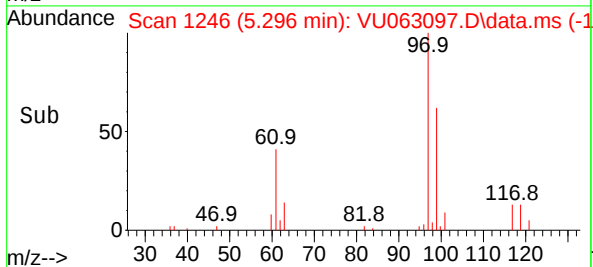
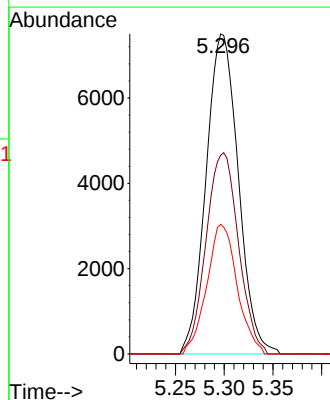
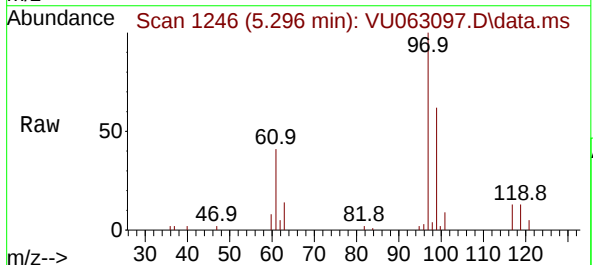
RT: 5.296 min Scan# 1246

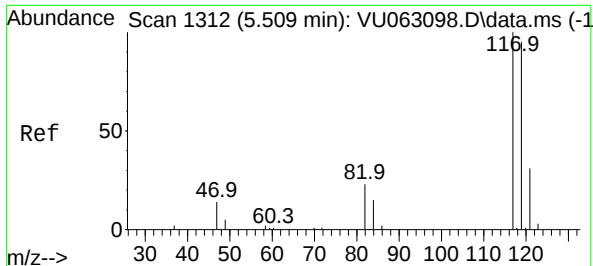
Delta R.T. -0.003 min

Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

Tgt Ion: 97	Resp: 17290
Ion Ratio	Lower Upper
97 100	
99 63.2	52.2 78.4
61 38.1	31.5 47.3

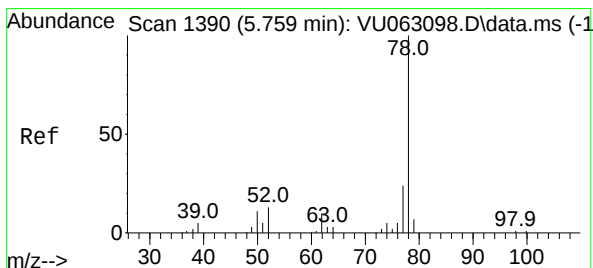
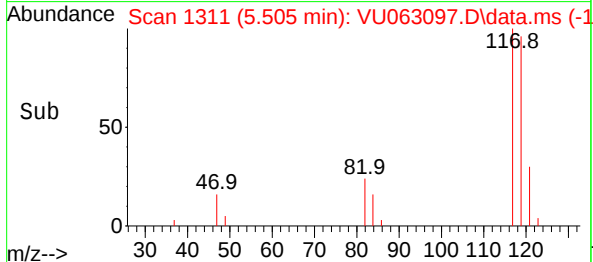
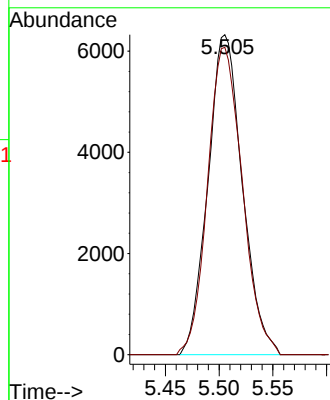
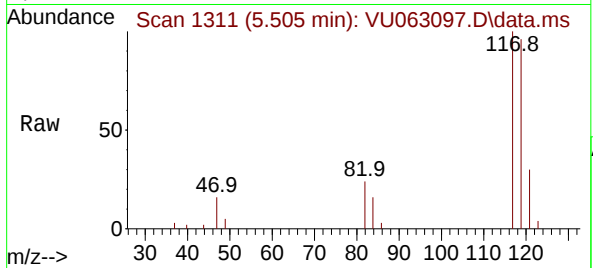




#31
Carbon tetrachloride
Concen: 8.114 ug/L
RT: 5.505 min Scan# 1312
Delta R.T. -0.003 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

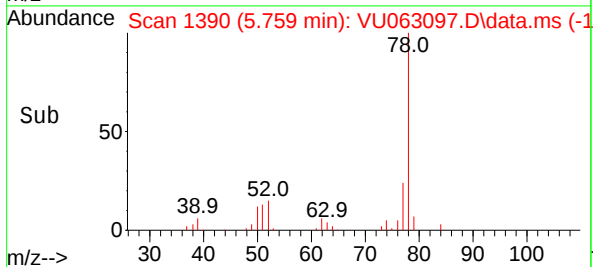
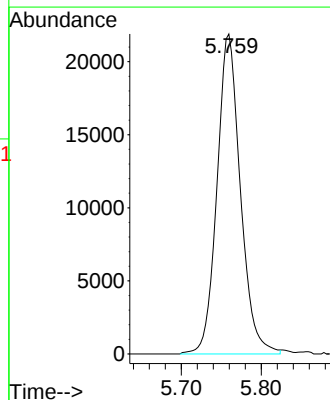
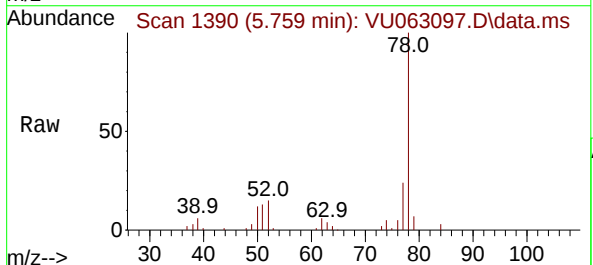
Instrument :
MSVOA_U
ClientSampleId :

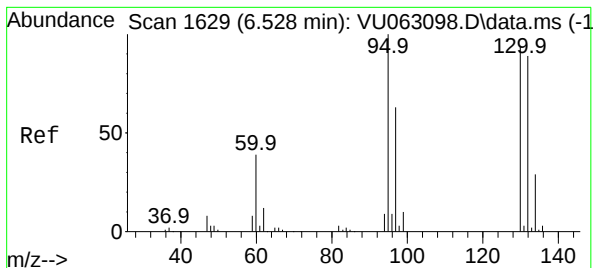
Tgt Ion:117 Resp: 14088
Ion Ratio Lower Upper
117 100
119 97.1 77.7 116.5



#33
Benzene
Concen: 11.216 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.000 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

Tgt Ion: 78 Resp: 44429





#34

Trichloroethene

Concen: 9.573 ug/L

RT: 6.531 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 11483

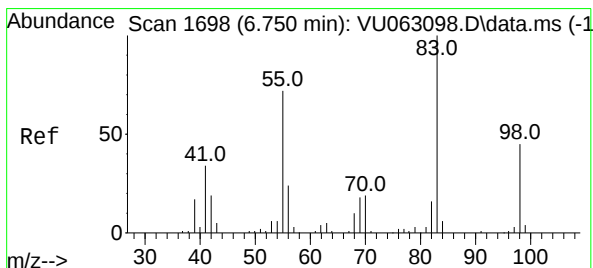
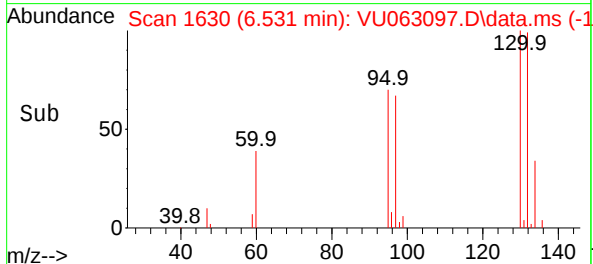
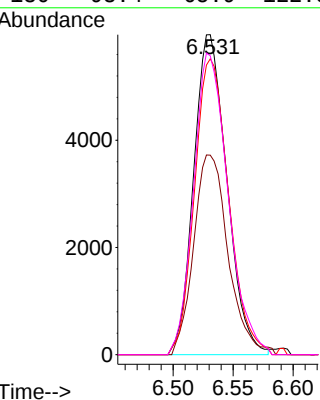
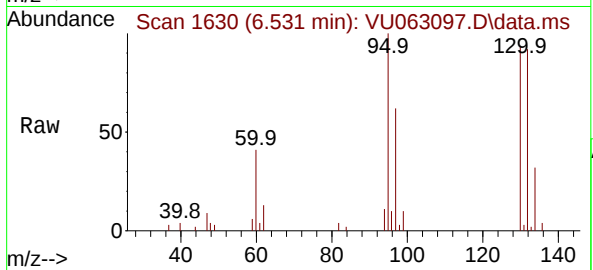
Ion Ratio Lower Upper

95 100

97 62.4 44.3 82.3

132 92.5 62.4 116.0

130 93.4 65.9 122.3



#35

Methylcyclohexane

Concen: 10.768 ug/L

RT: 6.746 min Scan# 1697

Delta R.T. -0.003 min

Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

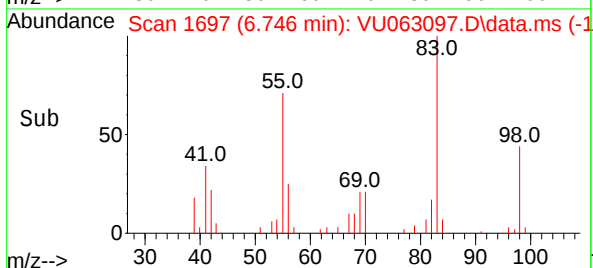
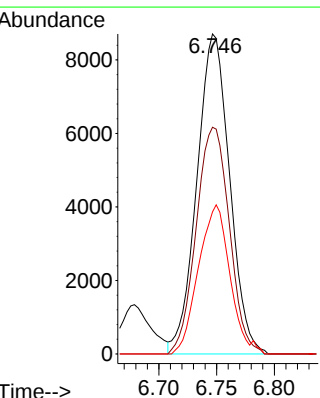
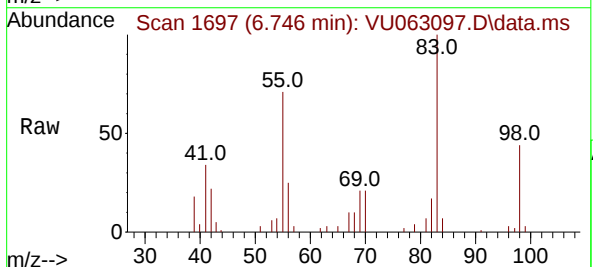
Tgt Ion: 83 Resp: 17158

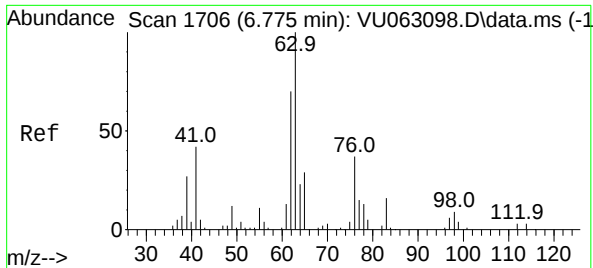
Ion Ratio Lower Upper

83 100

55 71.8 56.4 84.6

98 44.2 35.3 52.9

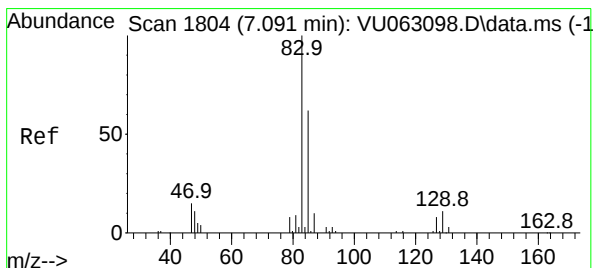
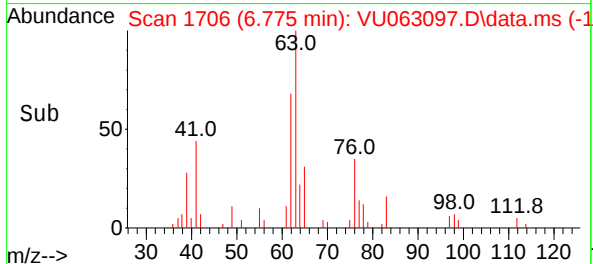
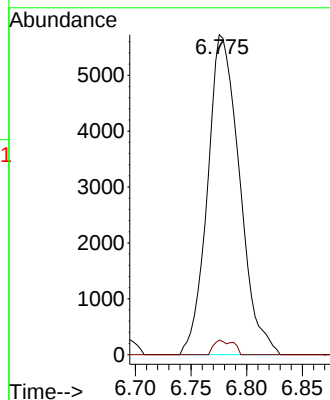
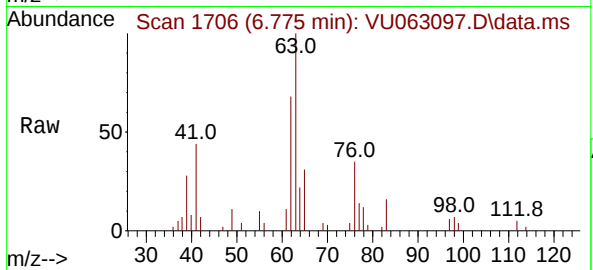




#37
1,2-Dichloropropane
Concen: 11.762 ug/L
RT: 6.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

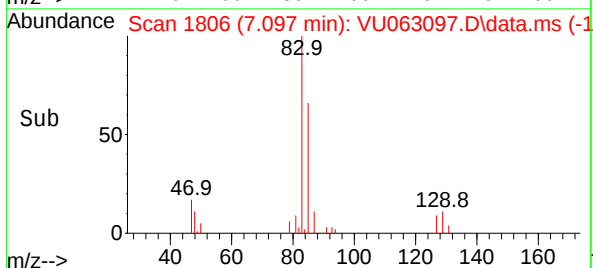
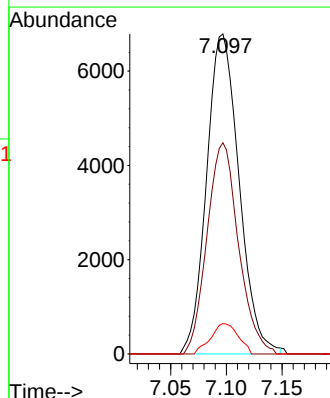
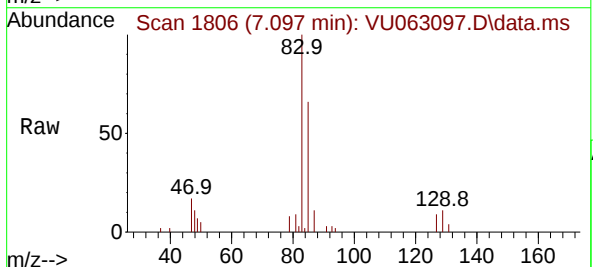
Instrument :
MSVOA_U
ClientSampleId :

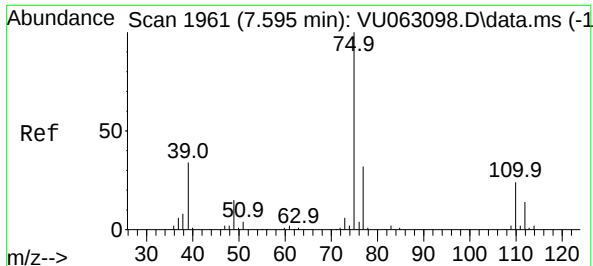
Tgt Ion: 63 Resp: 11444
Ion Ratio Lower Upper
63 100
112 1.8 2.6 4.0#



#38
Bromodichloromethane
Concen: 8.958 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.006 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

Tgt Ion: 83 Resp: 13781
Ion Ratio Lower Upper
83 100
85 66.0 43.5 80.9
127 9.5 6.5 9.7

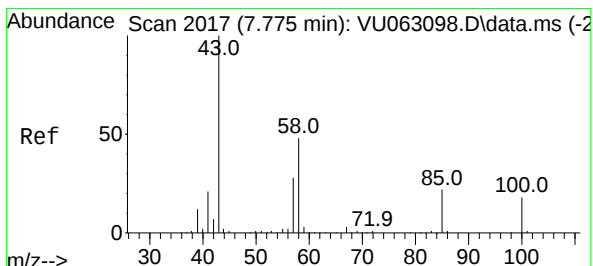
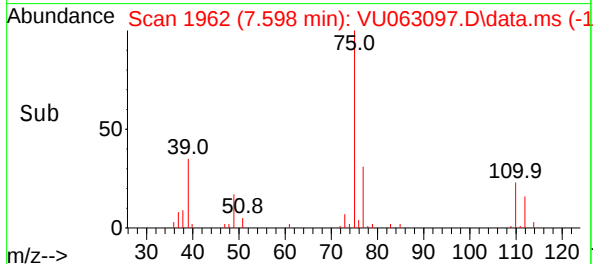
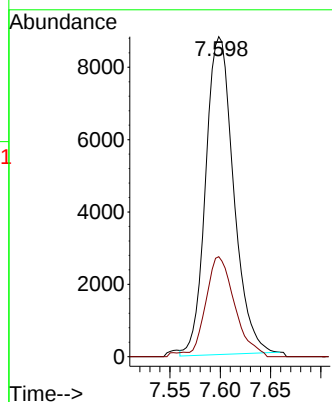
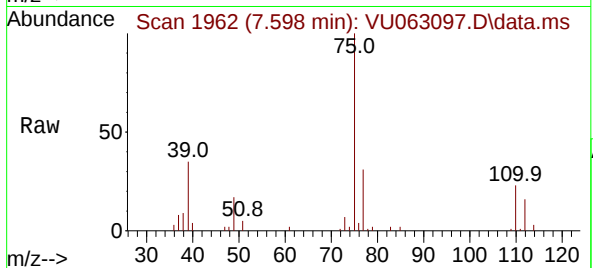




#39
cis-1,3-Dichloropropene
Concen: 9.987 ug/L
RT: 7.598 min Scan# 1961
Delta R.T. 0.003 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

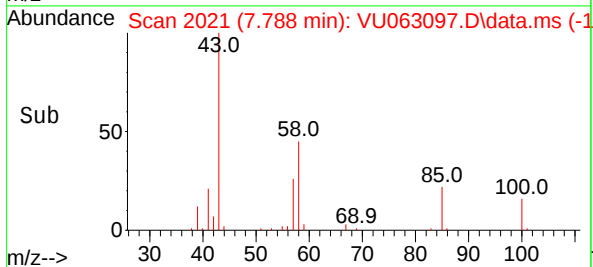
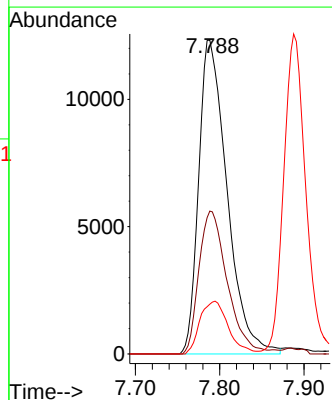
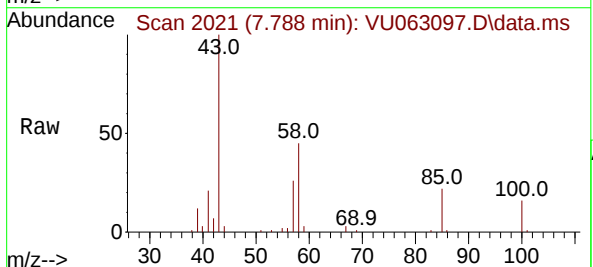
Instrument :
MSVOA_U
ClientSampleId :

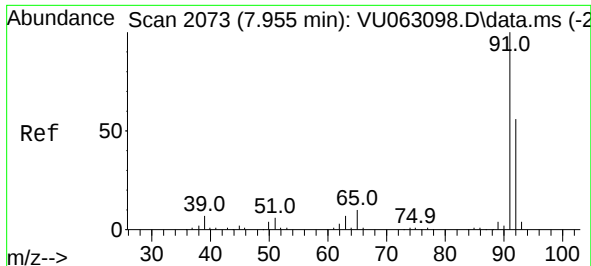
Tgt Ion: 75 Resp: 16984
Ion Ratio Lower Upper
75 100
77 31.3 22.5 41.9



#40
4-Methyl-2-pentanone
Concen: 26.765 ug/L
RT: 7.788 min Scan# 2021
Delta R.T. 0.013 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

Tgt Ion: 43 Resp: 28880
Ion Ratio Lower Upper
43 100
58 45.3 37.5 56.3
100 16.8 14.3 21.5





#42

Toluene

Concen: 11.316 ug/L

RT: 7.959 min Scan# 2073

Delta R.T. 0.003 min

Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

Instrument :

MSVOA_U

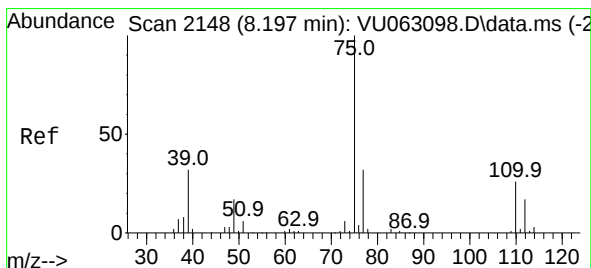
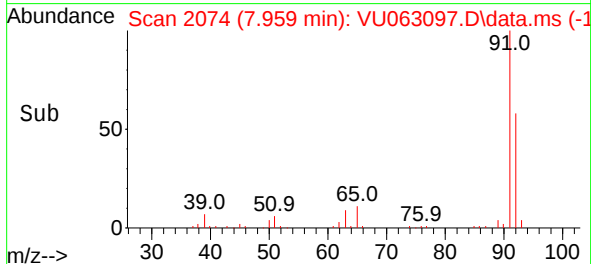
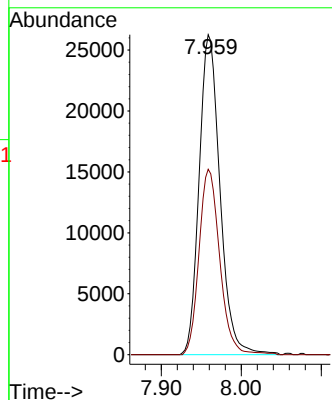
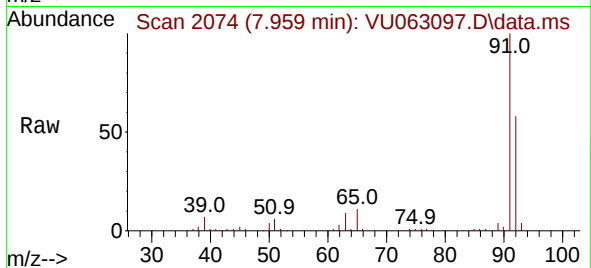
ClientSampleId :

Tgt Ion: 91 Resp: 47767

Ion Ratio Lower Upper

91 100

92 57.9 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 9.580 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.006 min

Lab File: VU063097.D

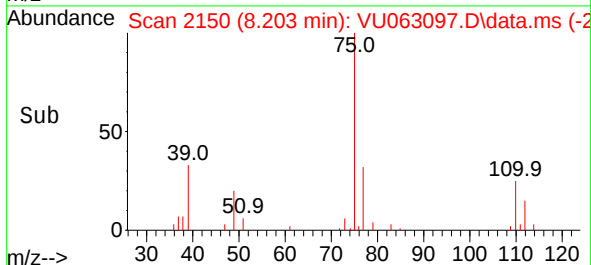
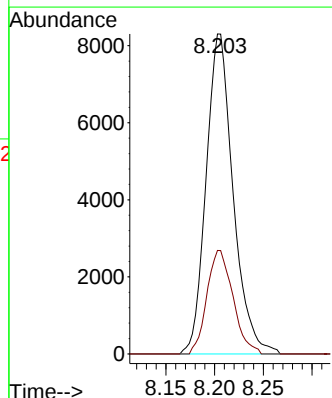
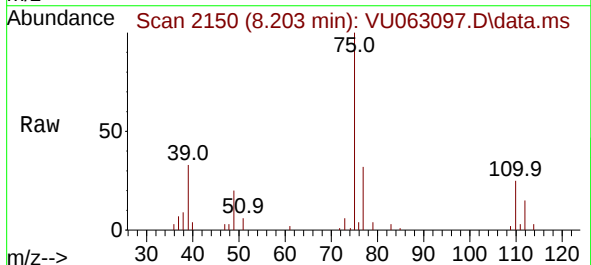
Acq: 30 Jan 2025 13:54

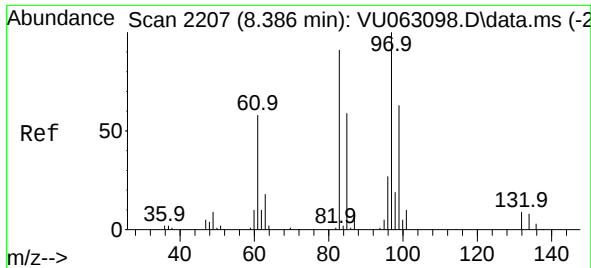
Tgt Ion: 75 Resp: 16021

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 11.238 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.006 min

Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 11629

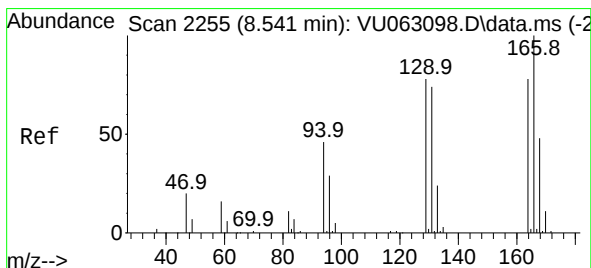
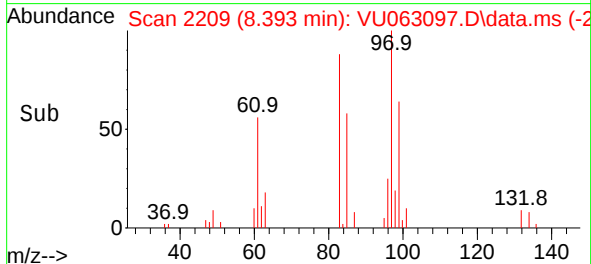
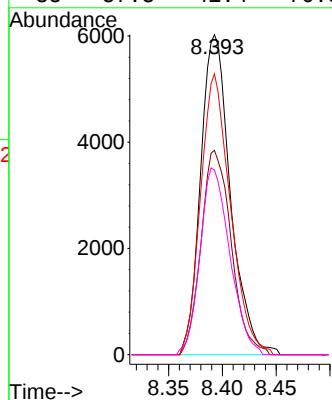
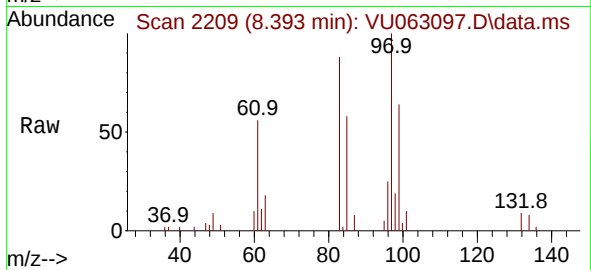
Ion Ratio Lower Upper

97 100

99 63.8 44.2 82.2

83 87.7 64.0 118.8

85 57.8 41.4 76.8



#46

Tetrachloroethene

Concen: 9.446 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.003 min

Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

Tgt Ion:164 Resp: 8193

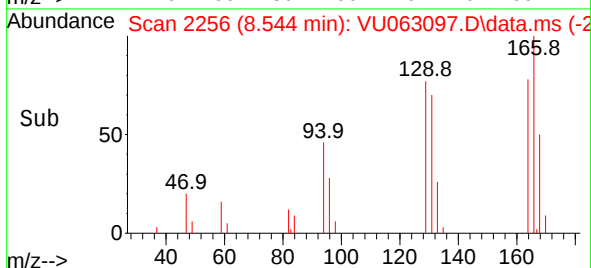
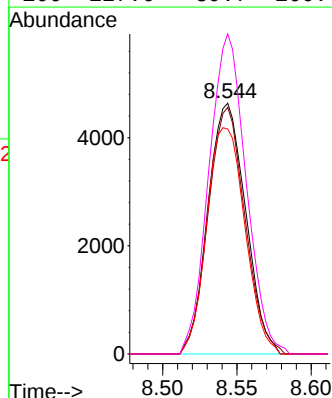
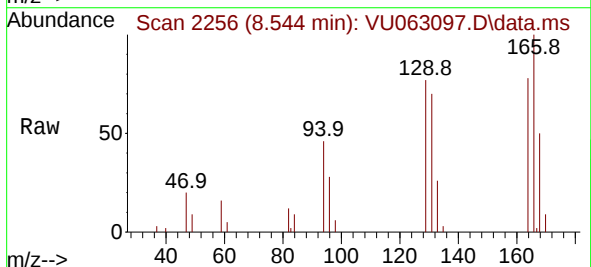
Ion Ratio Lower Upper

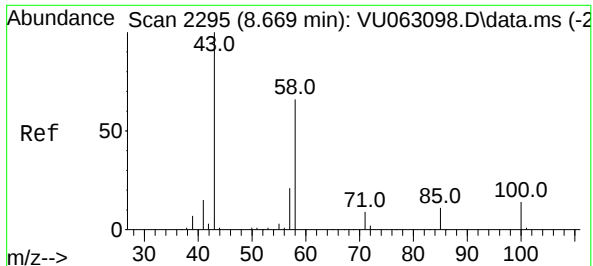
164 100

129 98.3 69.9 129.7

131 89.7 66.3 123.1

166 127.6 89.7 166.7





#48

2-Hexanone

Concen: 27.841 ug/L

RT: 8.685 min Scan# 2295

Delta R.T. 0.016 min

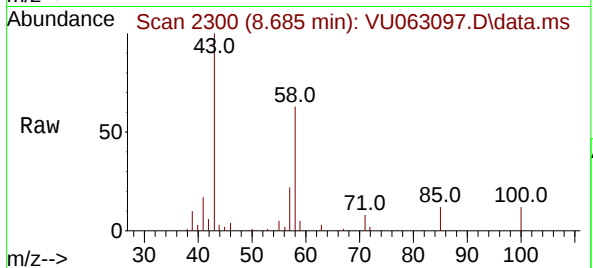
Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 22812

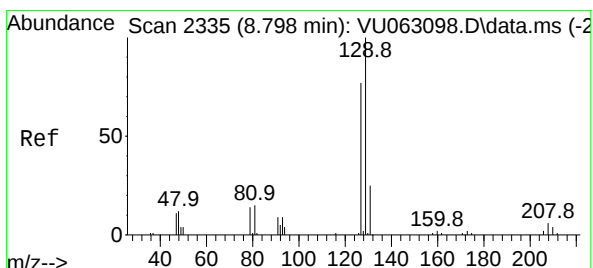
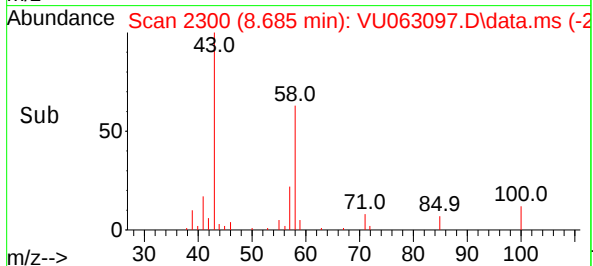
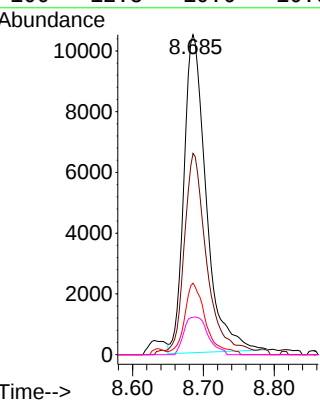
Ion Ratio Lower Upper

43 100

58 60.1 52.6 78.8

57 21.4 17.9 26.9

100 12.8 10.6 16.0



#49

Dibromochloromethane

Concen: 9.719 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. 0.003 min

Lab File: VU063097.D

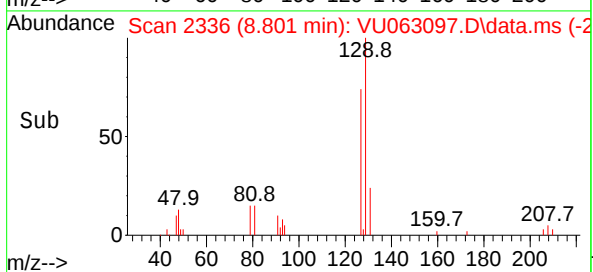
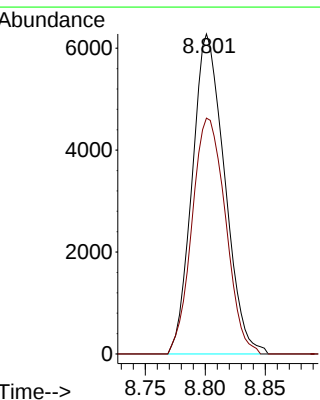
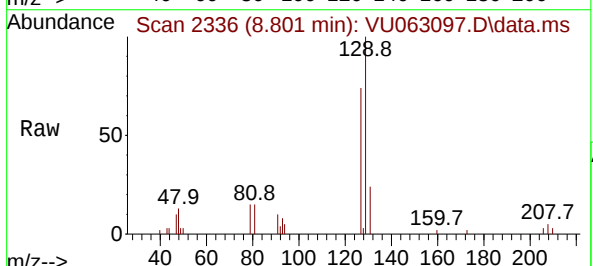
Acq: 30 Jan 2025 13:54

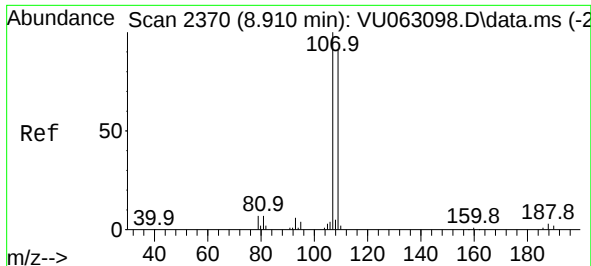
Tgt Ion: 129 Resp: 11787

Ion Ratio Lower Upper

129 100

127 73.7 54.1 100.5





#50

1,2-Dibromoethane

Concen: 10.909 ug/L

RT: 8.914 min Scan# 2371

Delta R.T. 0.003 min

Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

Instrument :

MSVOA_U

ClientSampleId :

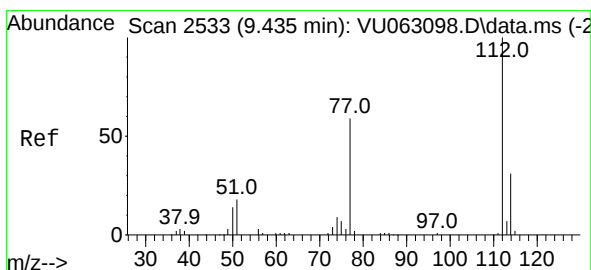
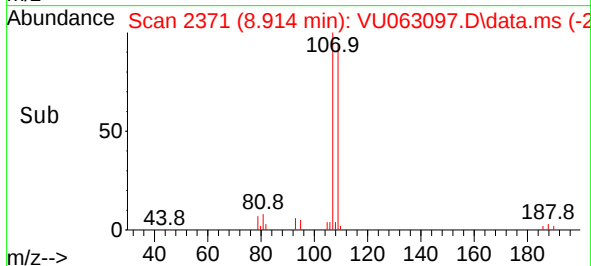
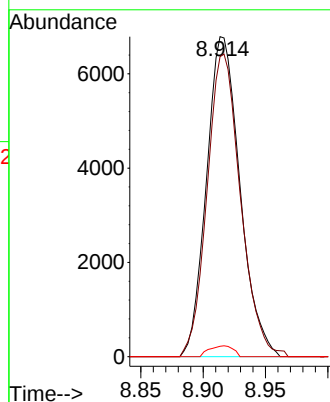
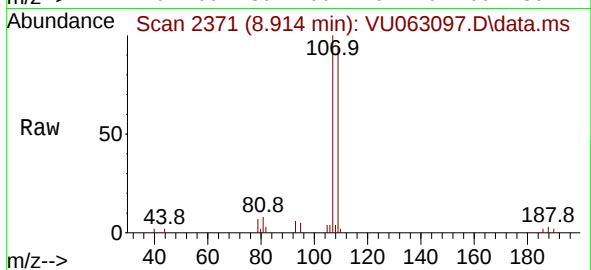
Tgt Ion:107 Resp: 12684

Ion Ratio Lower Upper

107 100

109 93.8 63.7 118.3

188 3.3 2.7 4.1



#51

Chlorobenzene

Concen: 10.597 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. 0.003 min

Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

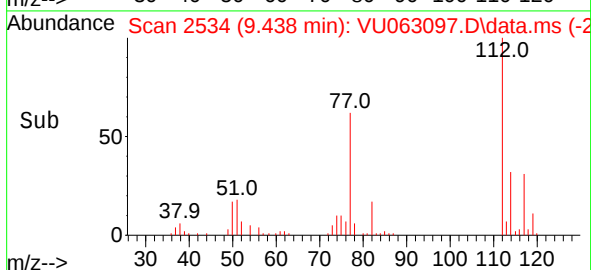
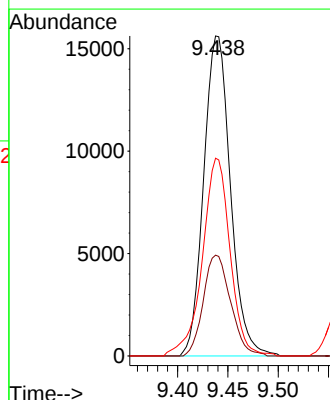
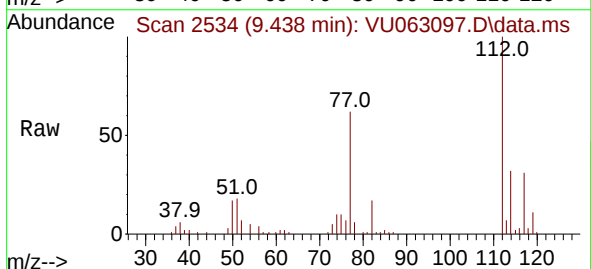
Tgt Ion:112 Resp: 28978

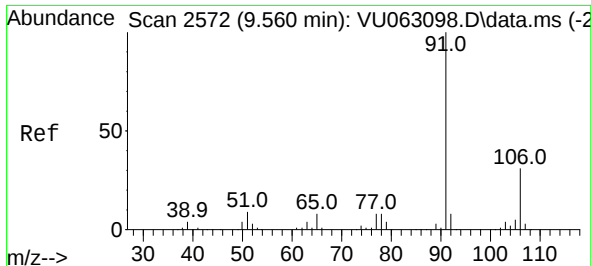
Ion Ratio Lower Upper

112 100

114 31.5 21.9 40.7

77 61.8 47.5 71.3





#52

Ethylbenzene

Concen: 10.112 ug/L

RT: 9.563 min Scan# 2572

Delta R.T. 0.003 min

Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

Instrument :

MSVOA_U

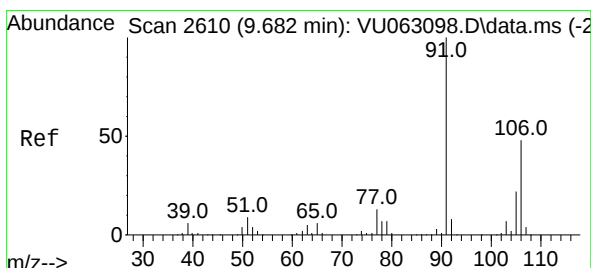
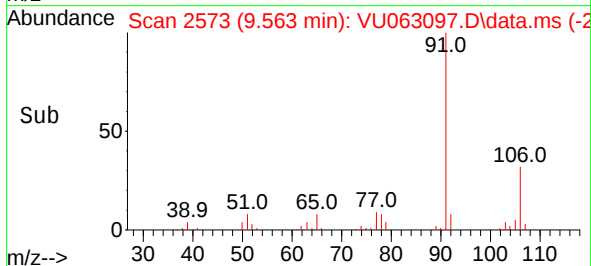
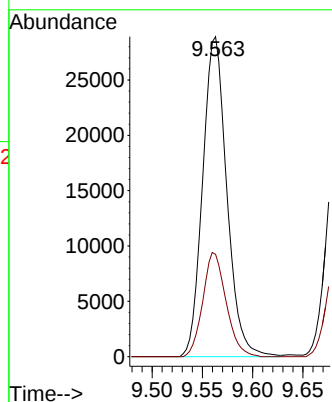
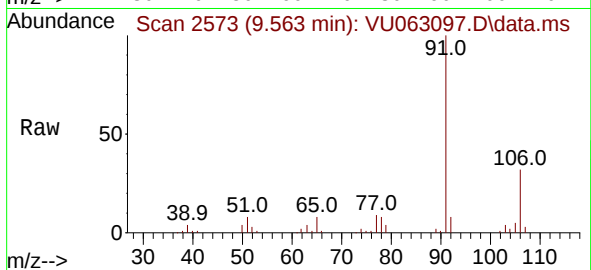
ClientSampleId :

Tgt Ion: 91 Resp: 48291

Ion Ratio Lower Upper

91 100

106 32.0 22.0 40.8



#53

m,p-Xylene

Concen: 10.157 ug/L

RT: 9.685 min Scan# 2611

Delta R.T. 0.003 min

Lab File: VU063097.D

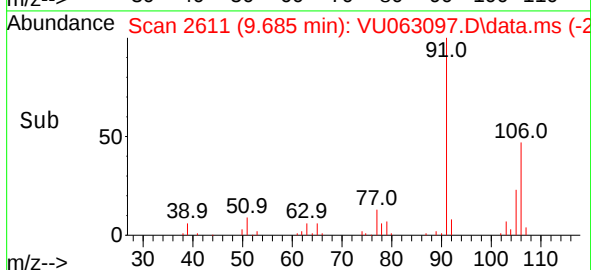
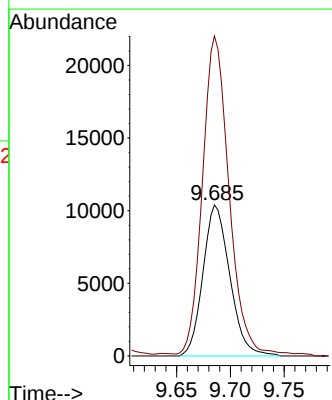
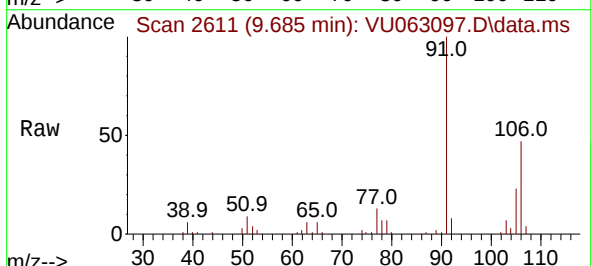
Acq: 30 Jan 2025 13:54

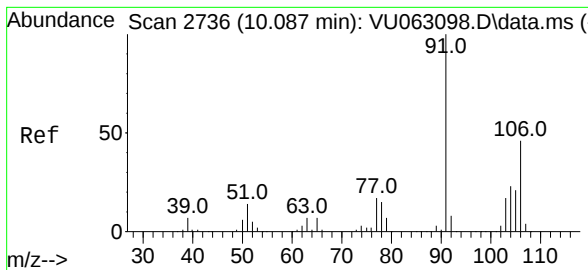
Tgt Ion:106 Resp: 18029

Ion Ratio Lower Upper

106 100

91 211.8 145.5 270.1

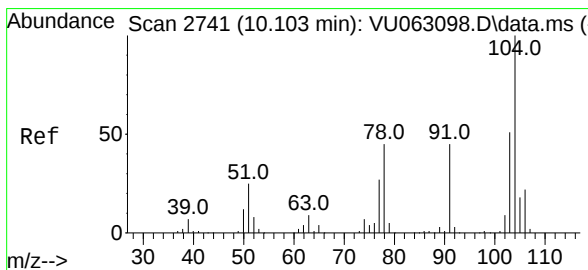
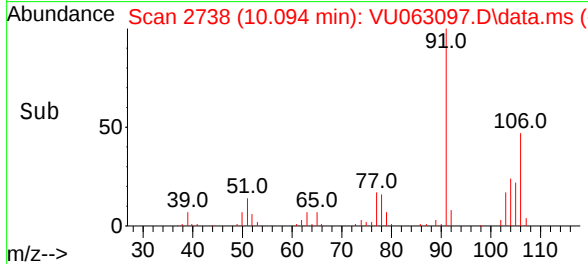
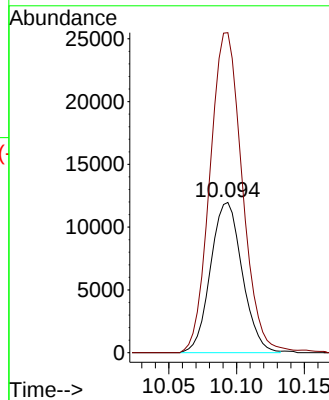
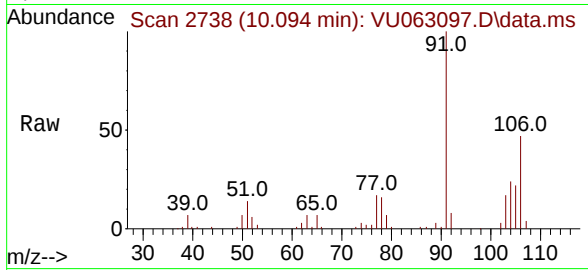




#54
o-Xylene
Concen: 11.267 ug/L
RT: 10.094 min Scan# 2736
Delta R.T. 0.006 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

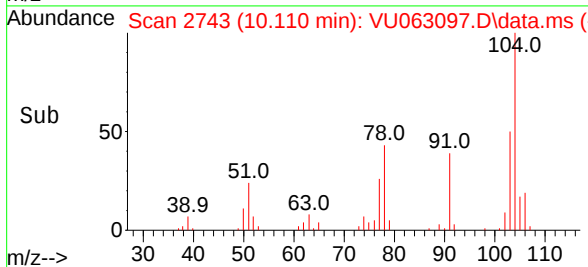
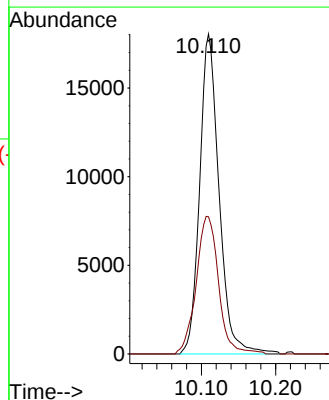
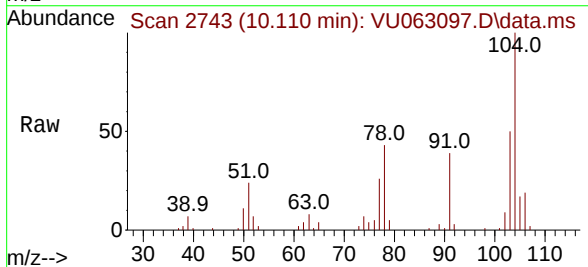
Instrument :
MSVOA_U
ClientSampleId :

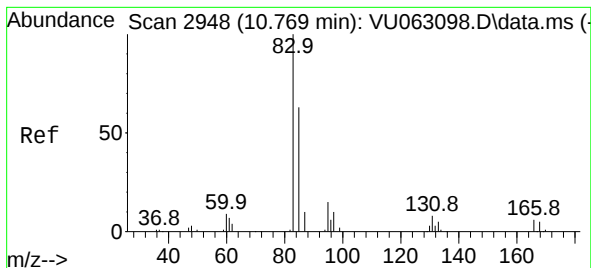
Tgt Ion:106 Resp: 19469
Ion Ratio Lower Upper
106 100
91 213.0 152.8 283.8



#55
Styrene
Concen: 11.130 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.006 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

Tgt Ion:104 Resp: 32773
Ion Ratio Lower Upper
104 100
78 42.8 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 13.546 ug/L

RT: 10.775 min Scan# 2948

Delta R.T. 0.006 min

Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

Instrument :

MSVOA_U

ClientSampleId :

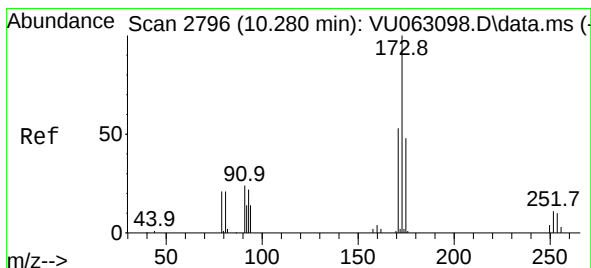
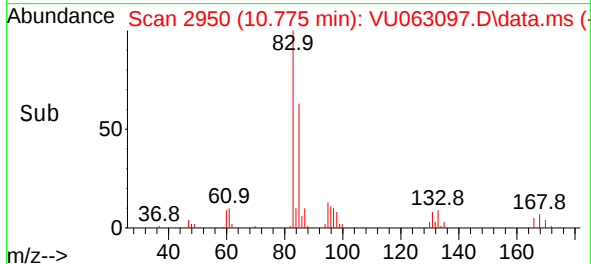
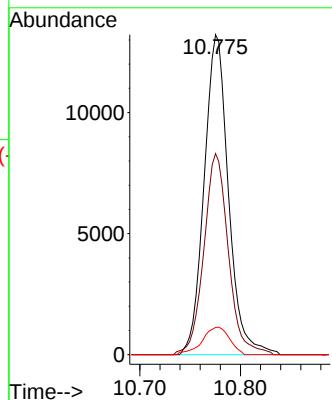
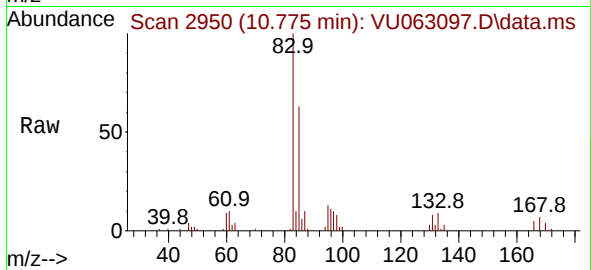
Tgt Ion: 83 Resp: 22230

Ion Ratio Lower Upper

83 100

85 62.8 44.9 83.3

131 8.5 7.1 10.7



#59

Bromoform

Concen: 10.120 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. 0.006 min

Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

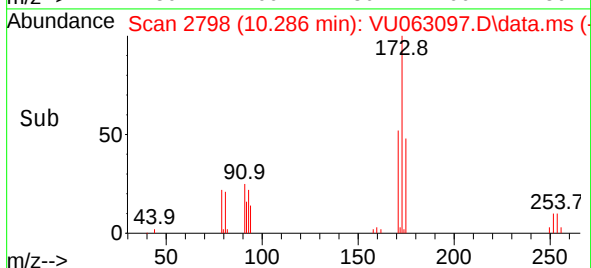
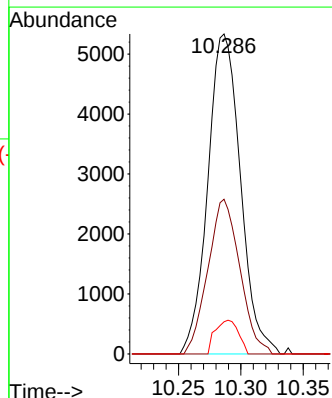
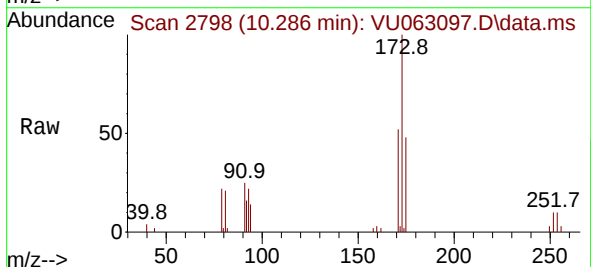
Tgt Ion:173 Resp: 9714

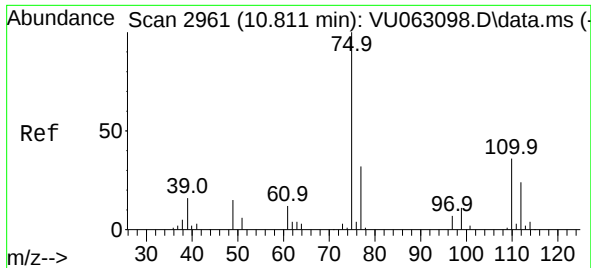
Ion Ratio Lower Upper

173 100

175 47.4 38.6 57.8

254 7.5 7.6 11.4#

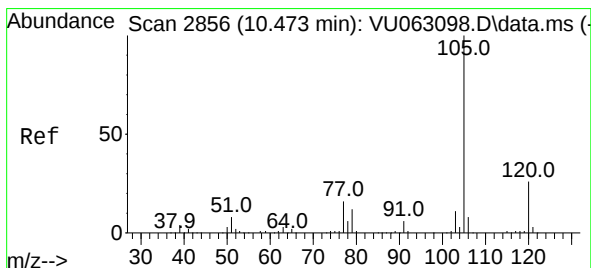
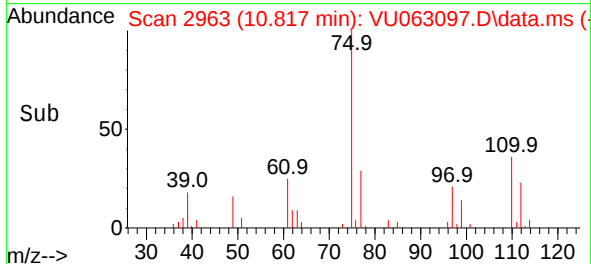
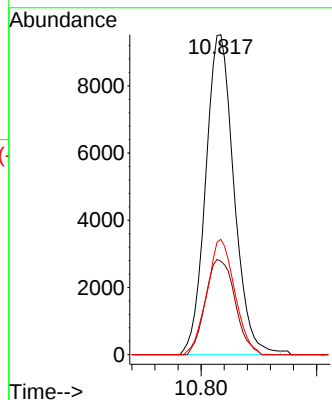
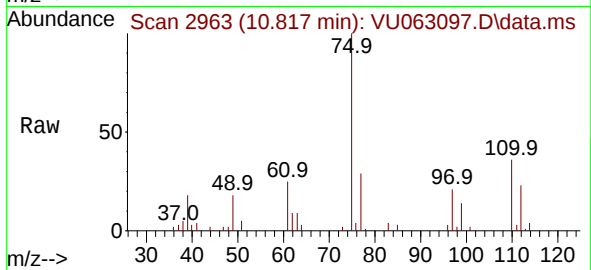




#60
1,2,3-Trichloropropane
Concen: 12.138 ug/L
RT: 10.817 min Scan# 2961
Delta R.T. 0.006 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

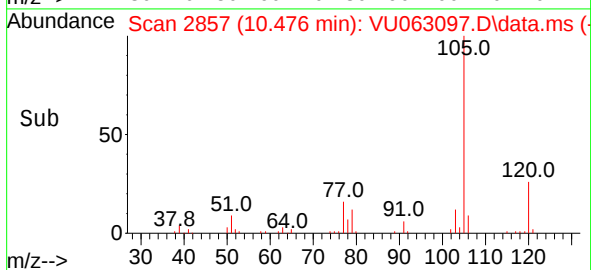
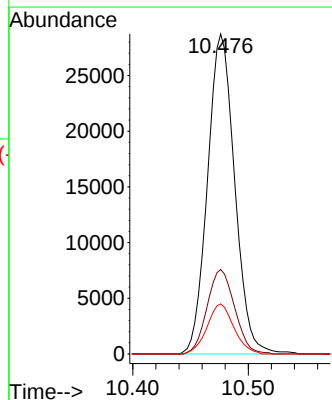
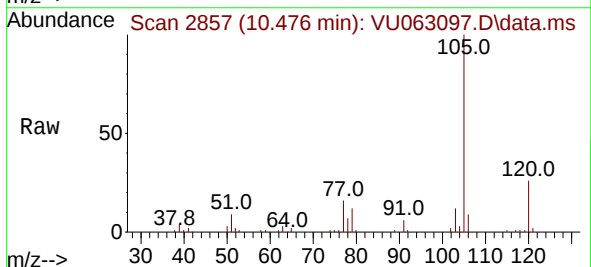
Instrument :
MSVOA_U
ClientSampleId :

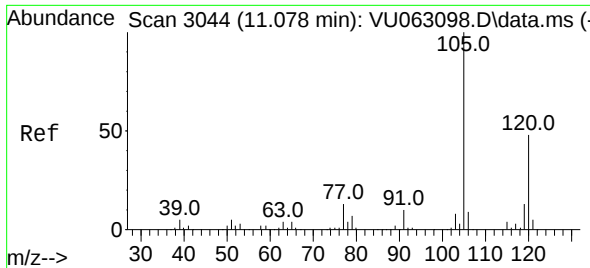
Tgt Ion:	75	Resp:	16219
Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.6	38.4
110	35.3	29.1	43.7



#61
Isopropylbenzene
Concen: 10.045 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. 0.003 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

Tgt Ion:	105	Resp:	46951
Ion	Ratio	Lower	Upper
105	100		
120	26.7	20.9	31.3
77	15.4	12.5	18.7





#62

1,3,5-Trimethylbenzene

Concen: 9.776 ug/L

RT: 11.081 min Scan# 3044

Delta R.T. 0.003 min

Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

Instrument :

MSVOA_U

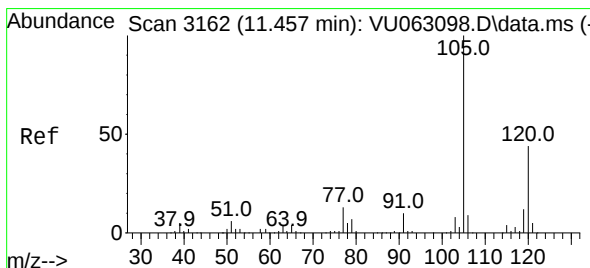
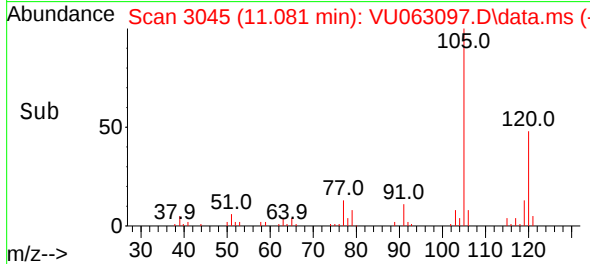
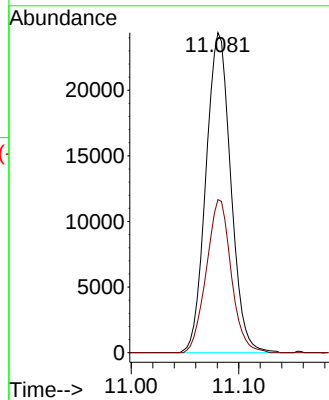
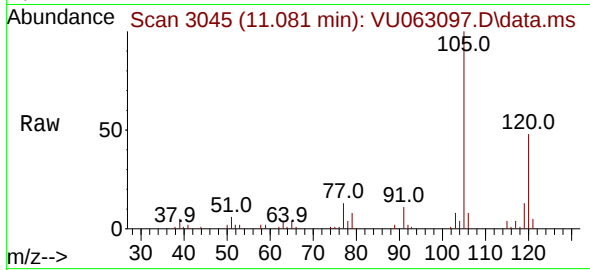
ClientSampleId :

Tgt Ion:105 Resp: 39189

Ion Ratio Lower Upper

105 100

120 47.8 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 9.820 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VU063097.D

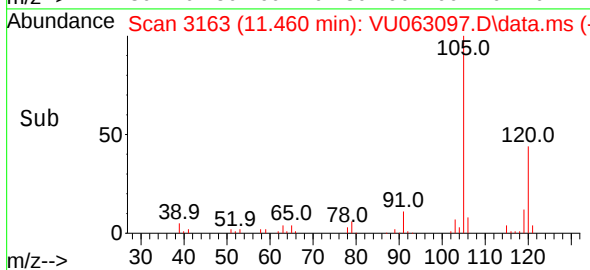
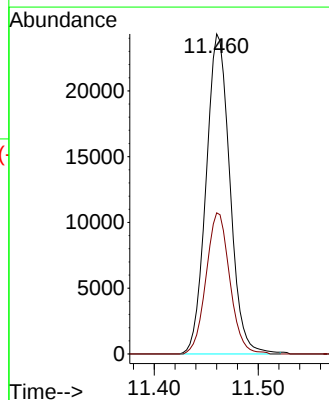
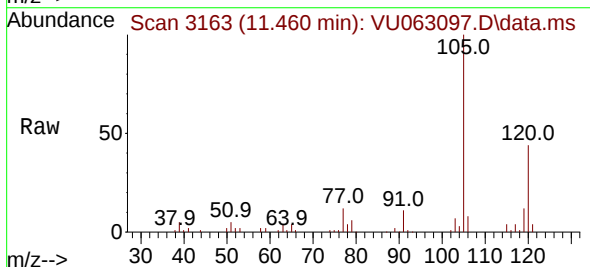
Acq: 30 Jan 2025 13:54

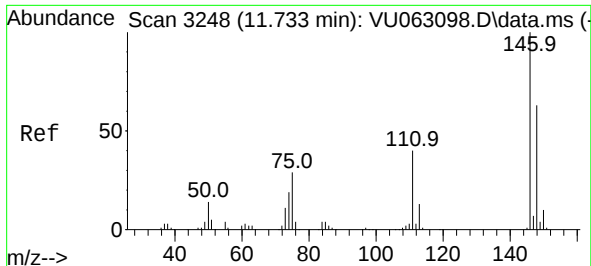
Tgt Ion:105 Resp: 38587

Ion Ratio Lower Upper

105 100

120 44.0 35.8 53.6





#64

1,3-Dichlorobenzene

Concen: 10.619 ug/L

RT: 11.740 min Scan# 31

Delta R.T. 0.006 min

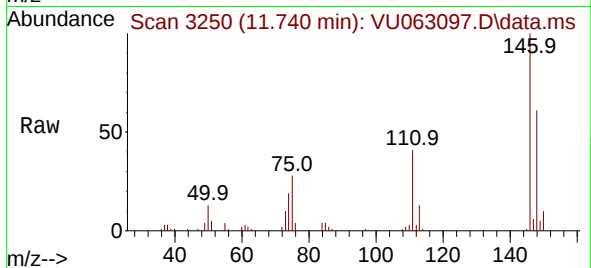
Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

Instrument :

MSVOA_U

ClientSampleId :



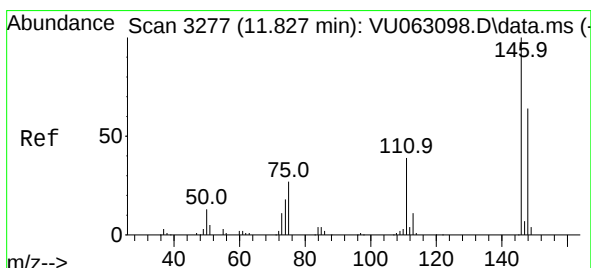
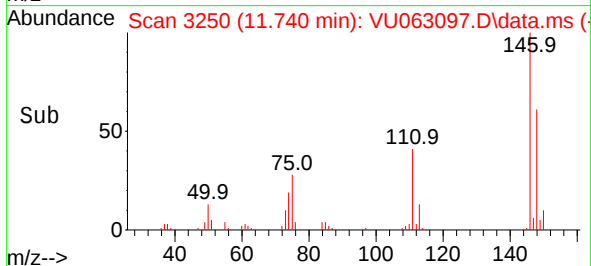
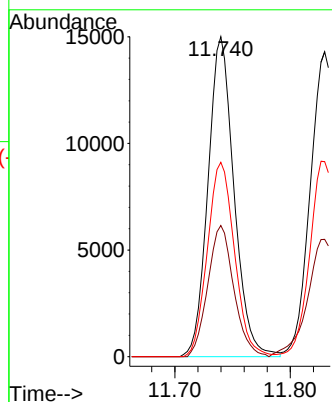
Tgt Ion:146 Resp: 23505

Ion Ratio Lower Upper

146 100

111 41.0 28.1 52.3

148 60.7 43.9 81.5



#65

1,4-Dichlorobenzene

Concen: 11.131 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

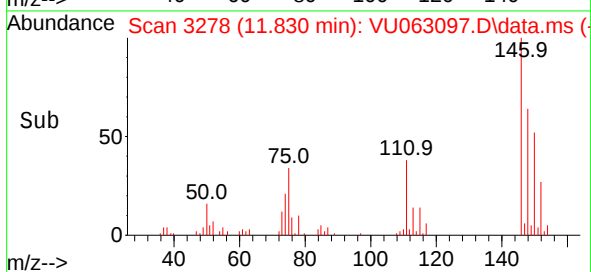
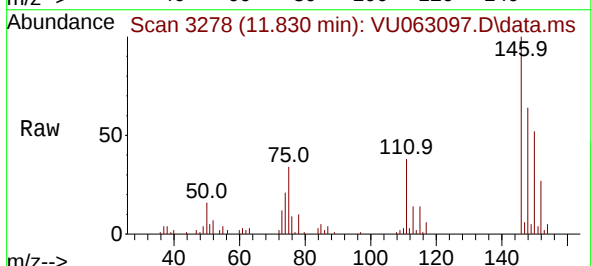
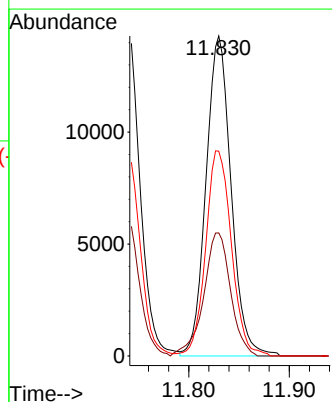
Tgt Ion:146 Resp: 24814

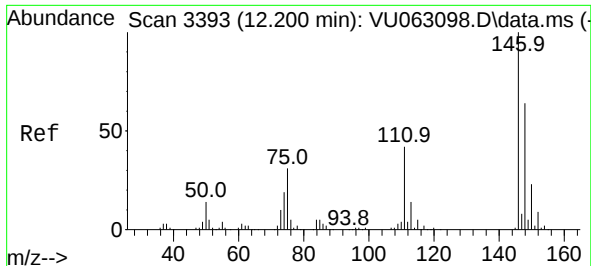
Ion Ratio Lower Upper

146 100

111 41.2 27.2 50.6

148 64.0 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 10.863 ug/L

RT: 12.206 min Scan# 3393

Delta R.T. 0.006 min

Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

Instrument :

MSVOA_U

ClientSampleId :

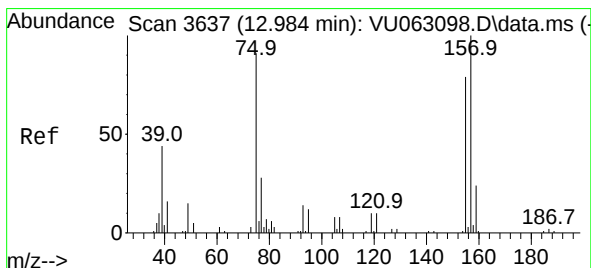
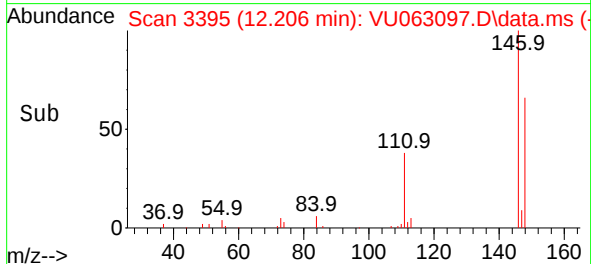
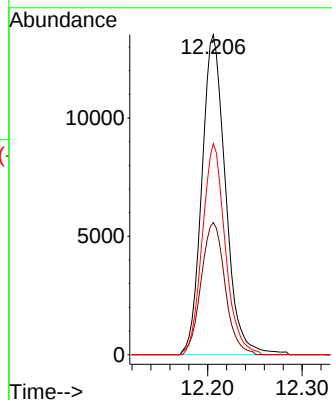
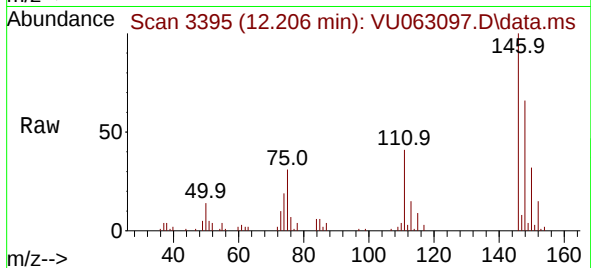
Tgt Ion:146 Resp: 23461

Ion Ratio Lower Upper

146 100

111 41.3 33.6 50.4

148 66.0 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 9.650 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.006 min

Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

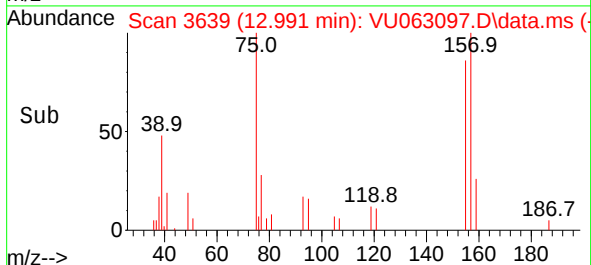
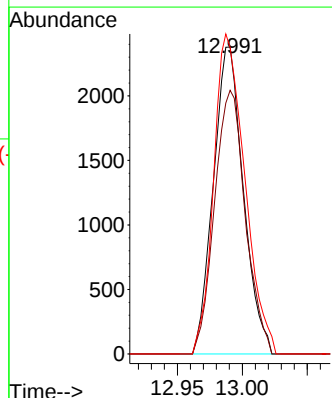
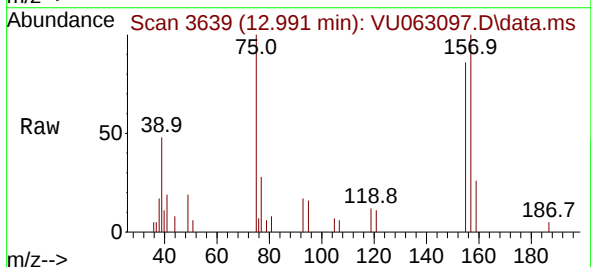
Tgt Ion: 75 Resp: 3819

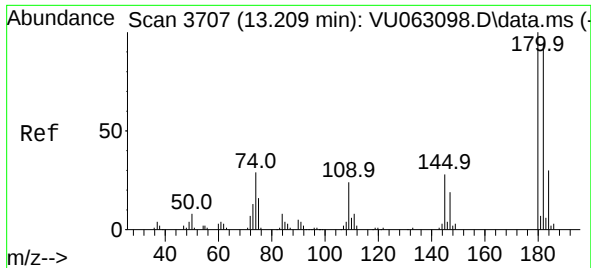
Ion Ratio Lower Upper

75 100

155 86.0 69.4 104.0

157 99.9 91.4 137.0





#69

1,3,5-Trichlorobenzene

Concen: 10.221 ug/L

RT: 13.212 min Scan# 31

Delta R.T. 0.003 min

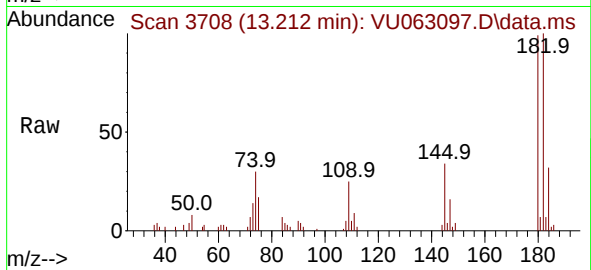
Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 15185

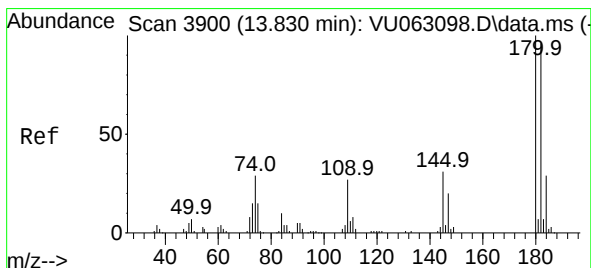
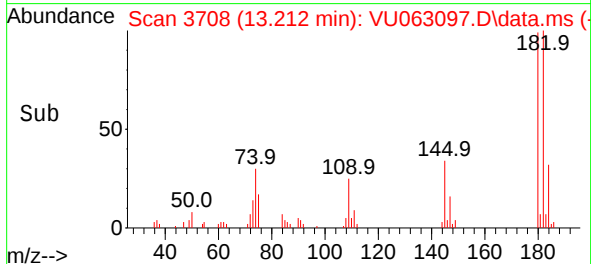
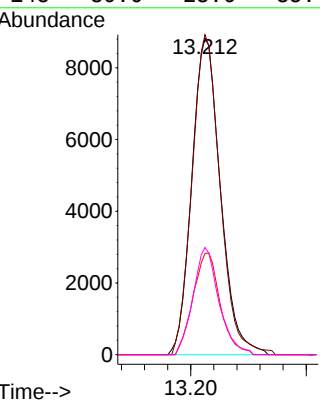
Ion Ratio Lower Upper

180 100

182 99.2 76.3 114.5

184 30.5 24.5 36.7

145 30.6 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 10.499 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.006 min

Lab File: VU063097.D

Acq: 30 Jan 2025 13:54

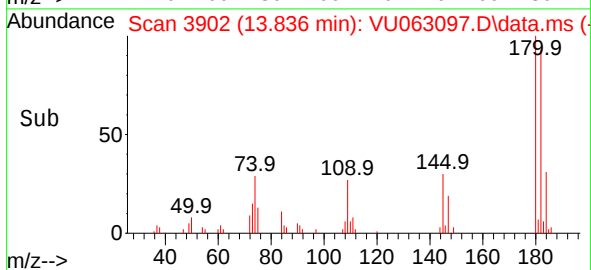
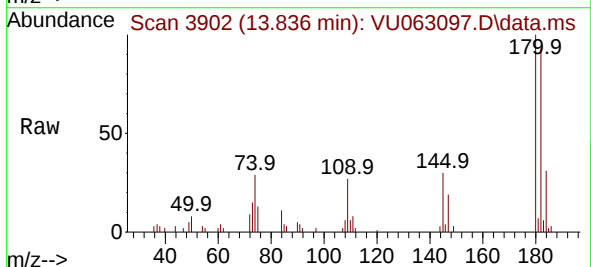
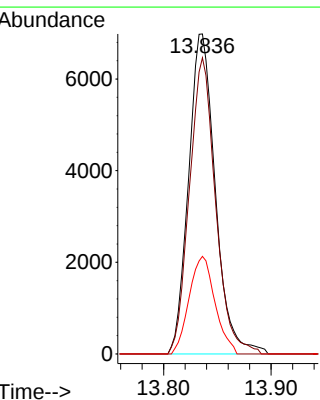
Tgt Ion:180 Resp: 12081

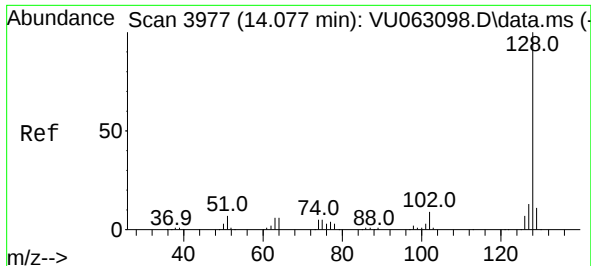
Ion Ratio Lower Upper

180 100

182 90.1 75.5 113.3

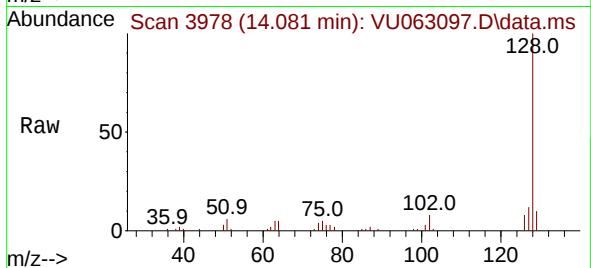
145 29.4 24.6 36.8



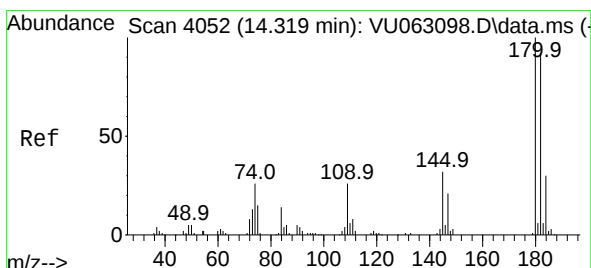
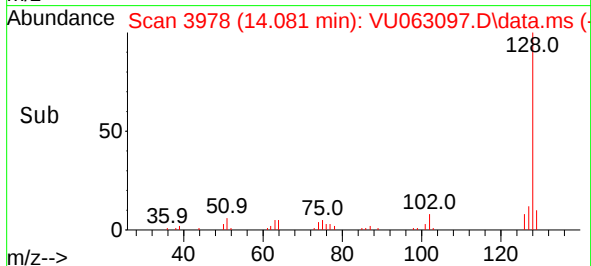
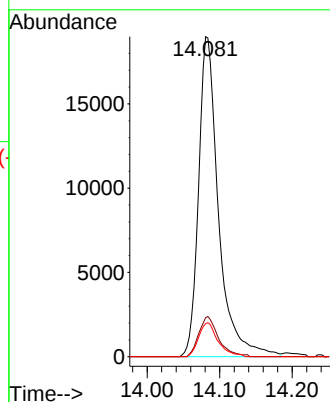


#71
Naphthalene
Concen: 11.704 ug/L
RT: 14.081 min Scan# 3977
Delta R.T. 0.003 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 36314
Ion Ratio Lower Upper
128 100
127 12.2 10.1 15.1
129 10.3 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 10.782 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.003 min
Lab File: VU063097.D
Acq: 30 Jan 2025 13:54

Tgt Ion:180 Resp: 11766
Ion Ratio Lower Upper
180 100
182 92.2 75.2 112.8
145 30.7 25.6 38.4

