

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013025\
 Data File : VU063100.D
 Acq On : 30 Jan 2025 15:07
 Operator : MD/SY
 Sample : VSTD200
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 31 07:31:48 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	6.232	114	150805	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	145948	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	86459	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	87290	88.716	ug/L	0.00
7) Chloroethane-d5	1.862	69	33956	43.087	ug/L	-0.04
11) 1,1-Dichloroethene-d2	2.521	63	424910	215.369	ug/L	-0.04
21) 2-Butanone-d5	4.614	46	334257	715.563	ug/L	0.00
24) Chloroform-d	5.042	84	425707	190.779	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.682	65	253605	174.398	ug/L	0.00
32) Benzene-d6	5.704	84	875008	212.553	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.676	67	301486	246.574	ug/L	0.00
41) Toluene-d8	7.884	98	801203	207.212	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	142399	212.275	ug/L	0.00
47) 2-Hexanone-d5	8.637	63	303893	743.861	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.749	84	452913	250.445	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.183	152	334559	196.335	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.373	85	76505	54.826	ug/L	99
3) Chloromethane	1.521	50	226180	220.503	ug/L	99
5) Vinyl chloride	1.599	62	104821	95.710	ug/L	100
6) Bromomethane	1.820	94	49515	65.093	ug/L	99
8) Chloroethane	1.881	64	29047	43.939	ug/L	98
9) Trichlorofluoromethane	2.058	101	305371	150.781	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.531	101	216430	209.221	ug/L	98
12) 1,1-Dichloroethene	2.531	96	209266	224.733	ug/L	92
13) Acetone	2.631	43	187452	457.807	ug/L	92
14) Carbon disulfide	2.743	76	588100	210.576	ug/L	98
15) Methyl Acetate	2.939	43	223662	279.477	ug/L	94
16) Methylene chloride	3.016	84	220955	212.663	ug/L	93
17) trans-1,2-Dichloroethene	3.319	96	199822	206.288	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	654730	196.883	ug/L	98
19) 1,1-Dichloroethane	3.836	63	370798	210.119	ug/L	97
20) cis-1,2-Dichloroethene	4.640	96	231575	213.484	ug/L	99
22) 2-Butanone	4.695	43	311853	562.773	ug/L	93
23) Bromochloromethane	4.952	128	114714	188.844	ug/L	92
25) Chloroform	5.068	83	383459	184.452	ug/L	100
27) 1,2-Dichloroethane	5.775	62	284229	164.668	ug/L	98
29) Cyclohexane	5.360	56	350873	233.389	ug/L	98
30) 1,1,1-Trichloroethane	5.293	97	324313	158.897	ug/L	98
31) Carbon tetrachloride	5.502	117	280921	149.648	ug/L	99
33) Benzene	5.753	78	873379	203.915	ug/L	100
34) Trichloroethene	6.524	95	249307	192.233	ug/L	96
35) Methylcyclohexane	6.743	83	375271	217.818	ug/L	98
37) 1,2-Dichloropropane	6.775	63	240993	229.079	ug/L	98
38) Bromodichloromethane	7.093	83	294003	176.750	ug/L	97
39) cis-1,3-Dichloropropene	7.595	75	390656	212.466	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	623242	534.211	ug/L	99
42) Toluene	7.955	91	948545	207.833	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	361257	199.785	ug/L	99

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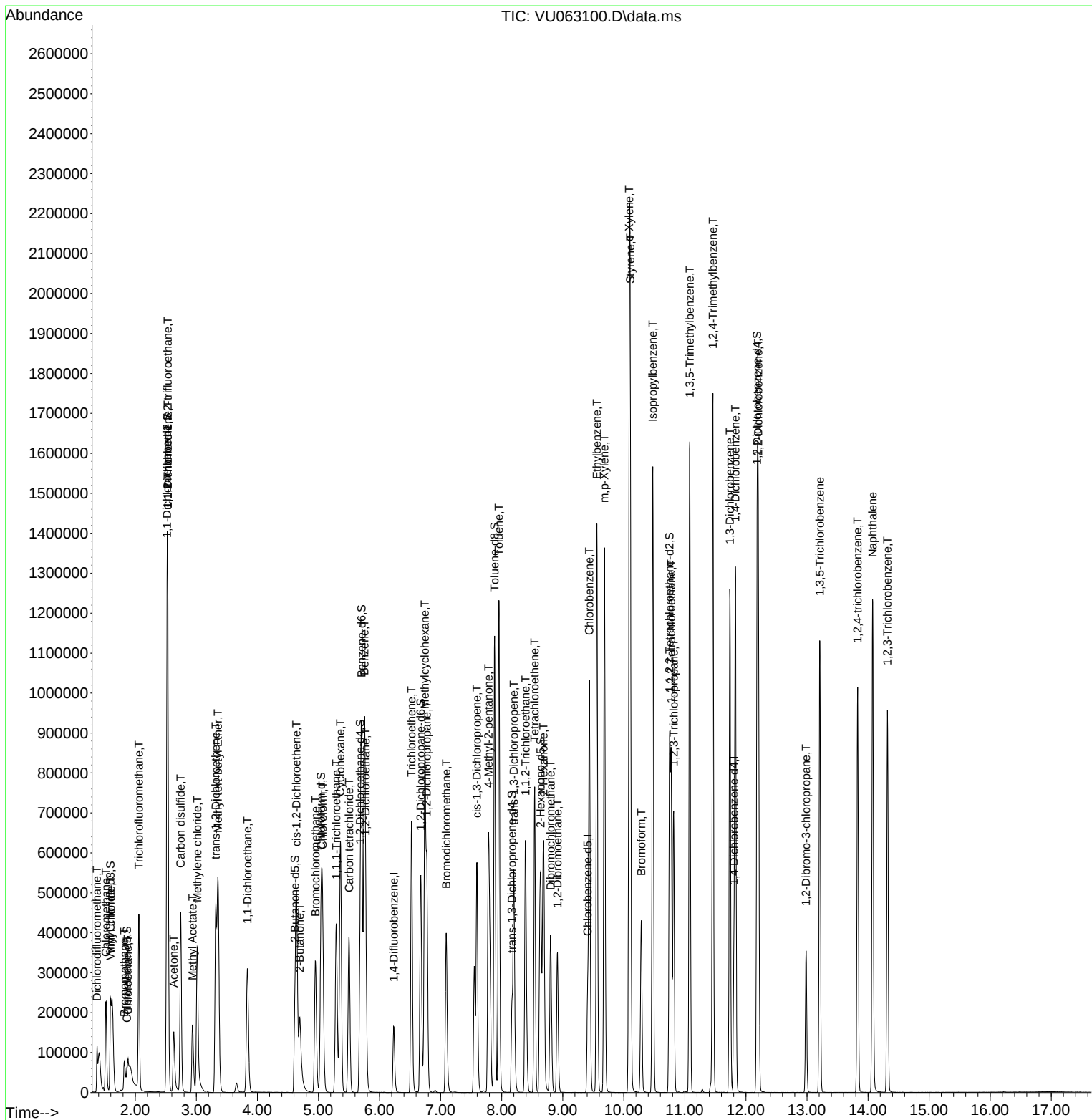
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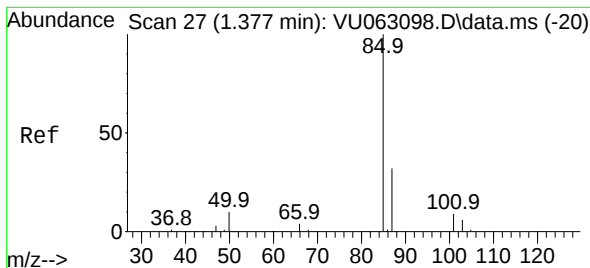
Quant Time: Jan 31 07:31:48 2025
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 Quant Title : VOC Analysis
 QLast Update : Fri Jan 31 07:29:09 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.389	97	243250	217.419	ug/L	99
46) Tetrachloroethene	8.540	164	172383	183.828	ug/L	99
48) 2-Hexanone	8.685	43	526953	594.815	ug/L	97
49) Dibromochloromethane	8.801	129	250392	190.961	ug/L	100
50) 1,2-Dibromoethane	8.913	107	258002	205.236	ug/L	97
51) Chlorobenzene	9.437	112	601733	203.517	ug/L	100
52) Ethylbenzene	9.560	91	1066764	206.605	ug/L	99
53) m,p-Xylene	9.682	106	405089	211.070	ug/L	99
54) o-Xylene	10.090	106	436802	233.799	ug/L	100
55) Styrene	10.106	104	768489	241.383	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	434040	244.622	ug/L	99
59) Bromoform	10.286	173	215596	182.065	ug/L	99
60) 1,2,3-Trichloropropane	10.817	75	320983	194.714	ug/L	99
61) Isopropylbenzene	10.476	105	1086290	188.381	ug/L	100
62) 1,3,5-Trimethylbenzene	11.080	105	919865	186.002	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	980892	202.354	ug/L	99
64) 1,3-Dichlorobenzene	11.736	146	539221	197.458	ug/L	98
65) 1,4-Dichlorobenzene	11.826	146	544146	197.861	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	514537	193.114	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.984	75	93848	192.221	ug/L	98
69) 1,3,5-Trichlorobenzene	13.209	180	356564	194.541	ug/L	100
70) 1,2,4-trichlorobenzene	13.830	180	317253	223.490	ug/L	99
71) Naphthalene	14.077	128	1016282	265.511	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	302522	224.713	ug/L	100

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

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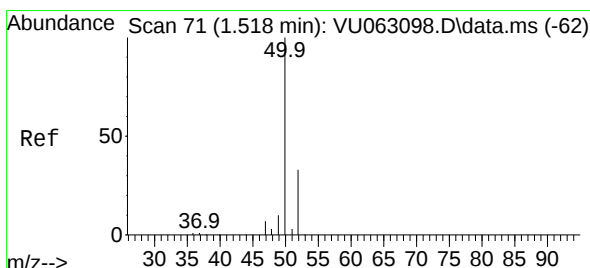
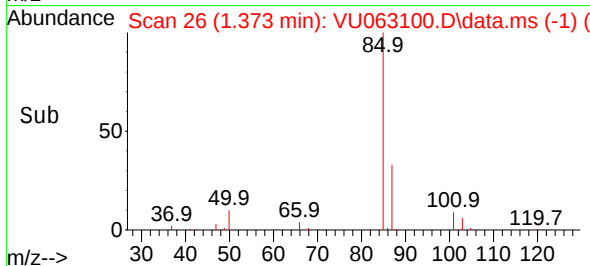
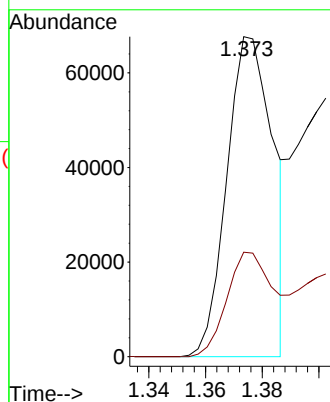
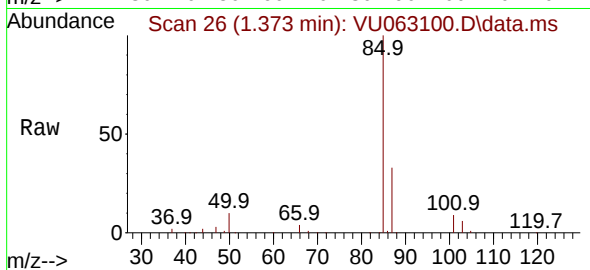




#2
 Dichlorodifluoromethane
 Concen: 54.826 ug/L
 RT: 1.373 min Scan# 20
 Delta R.T. -0.004 min
 Lab File: VU063100.D
 Acq: 30 Jan 2025 15:07

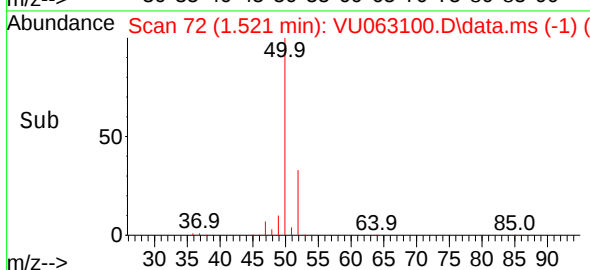
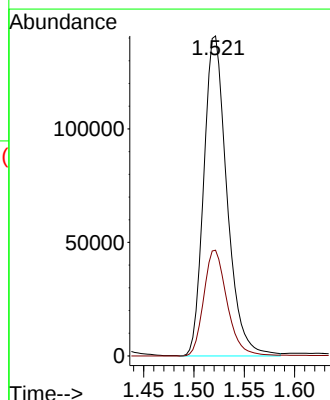
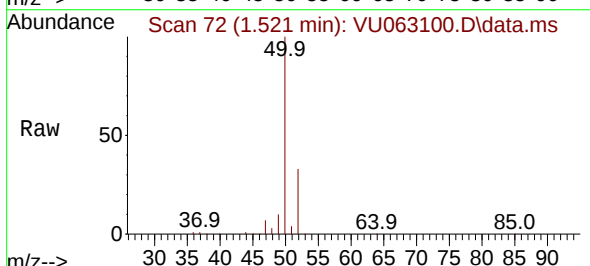
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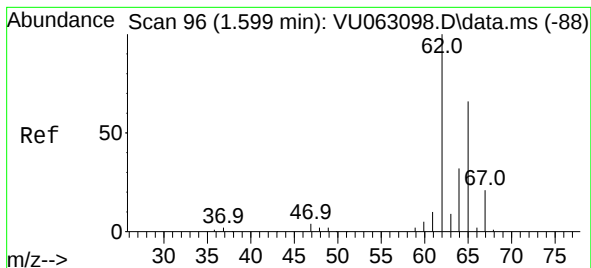
Tgt Ion: 85 Resp: 76505
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.2 37.8



#3
 Chloromethane
 Concen: 220.503 ug/L
 RT: 1.521 min Scan# 72
 Delta R.T. 0.003 min
 Lab File: VU063100.D
 Acq: 30 Jan 2025 15:07

Tgt Ion: 50 Resp: 226180
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.4 43.4





#5

Vinyl chloride

Concen: 95.710 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

Instrument :

MSVOA_U

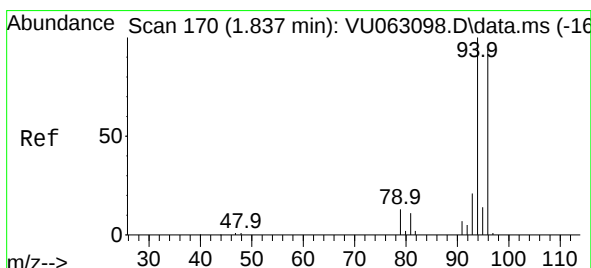
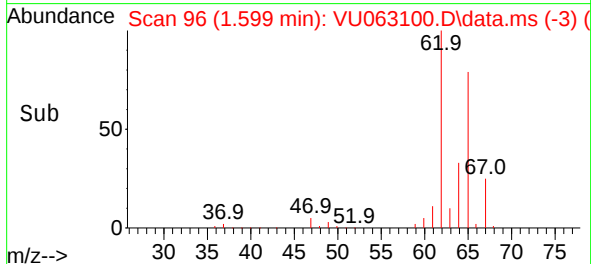
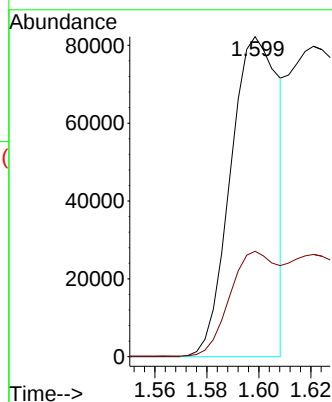
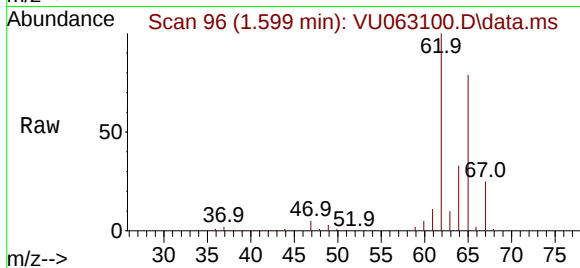
ClientSampleId :

Tgt Ion: 62 Resp: 104821

Ion Ratio Lower Upper

62 100

64 33.0 22.9 42.5



#6

Bromomethane

Concen: 65.093 ug/L

RT: 1.820 min Scan# 165

Delta R.T. -0.016 min

Lab File: VU063100.D

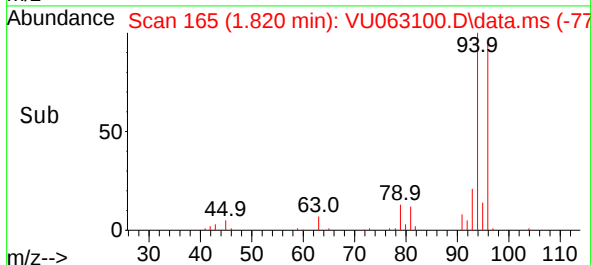
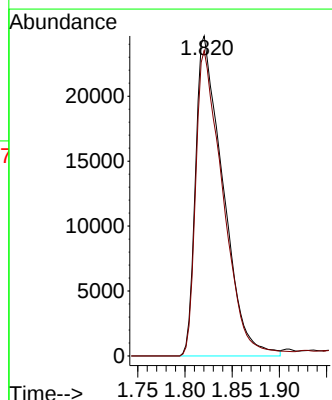
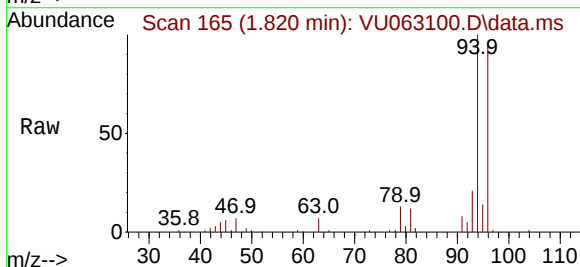
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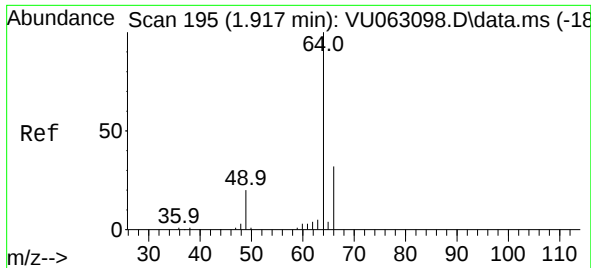
Tgt Ion: 94 Resp: 49515

Ion Ratio Lower Upper

94 100

96 95.5 66.1 122.8

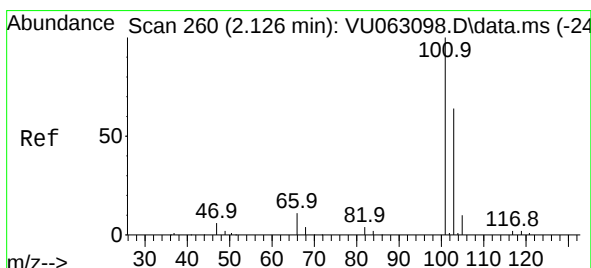
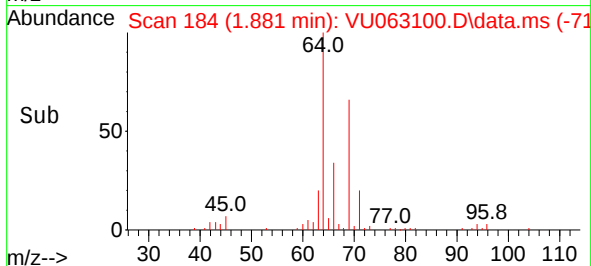
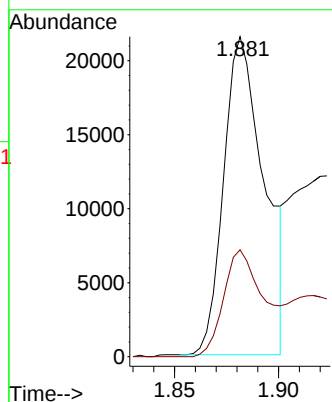
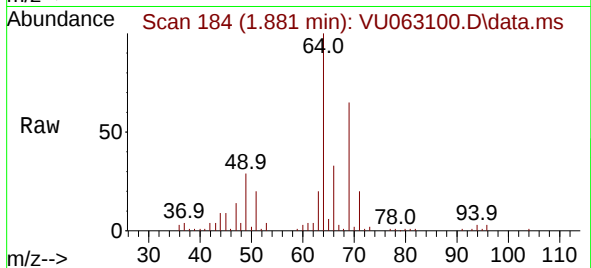




#8
Chloroethane
Concen: 43.939 ug/L
RT: 1.881 min Scan# 11
Delta R.T. -0.036 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

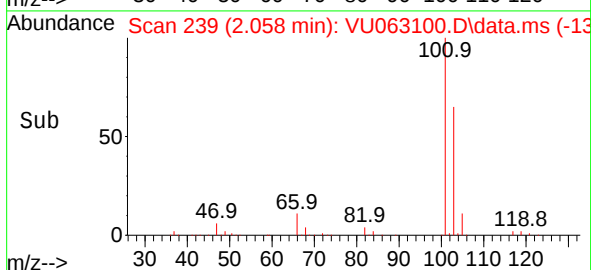
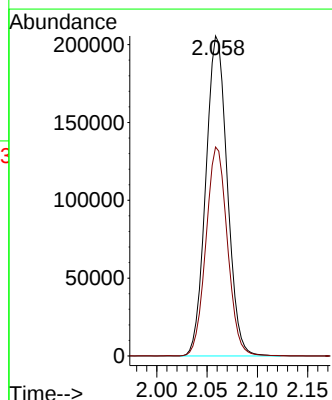
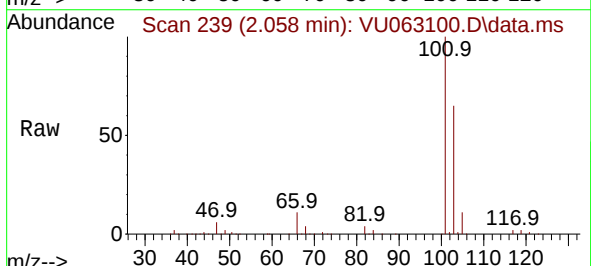
Instrument :
MSVOA_U
ClientSampleId :

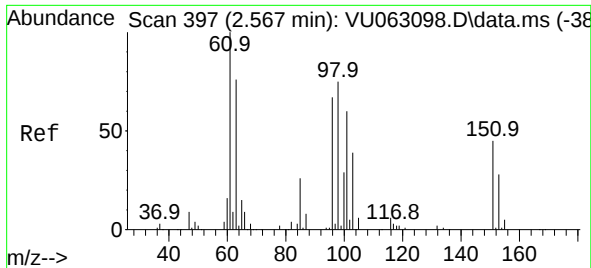
Tgt Ion: 64 Resp: 29047
Ion Ratio Lower Upper
64 100
66 33.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 150.781 ug/L
RT: 2.058 min Scan# 239
Delta R.T. -0.068 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

Tgt Ion:101 Resp: 305371
Ion Ratio Lower Upper
101 100
103 65.5 51.4 77.2

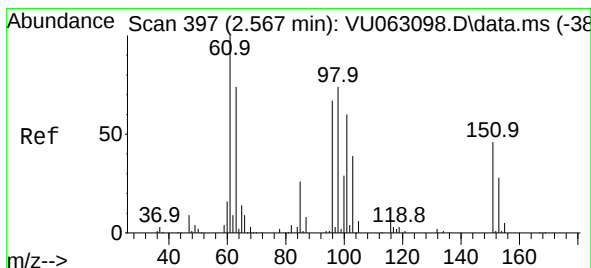
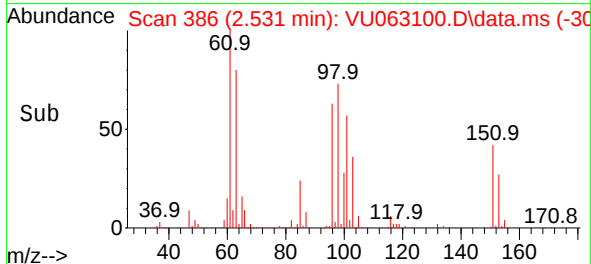
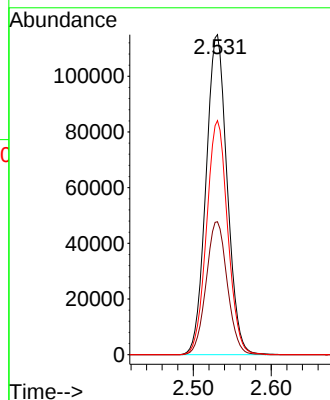
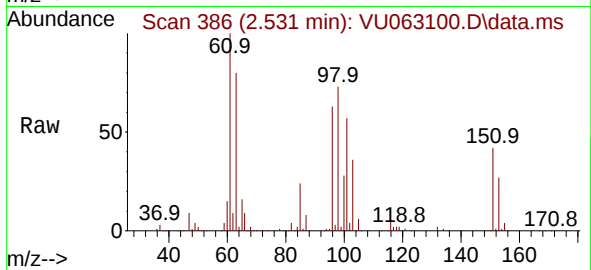




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 209.221 ug/L
 RT: 2.531 min Scan# 386
 Delta R.T. -0.036 min
 Lab File: VU063100.D
 Acq: 30 Jan 2025 15:07

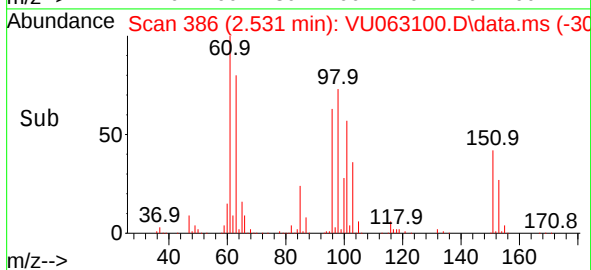
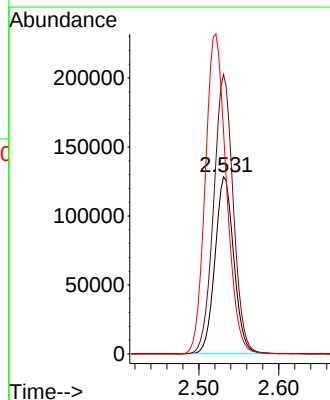
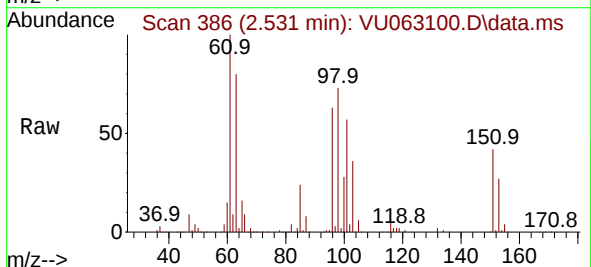
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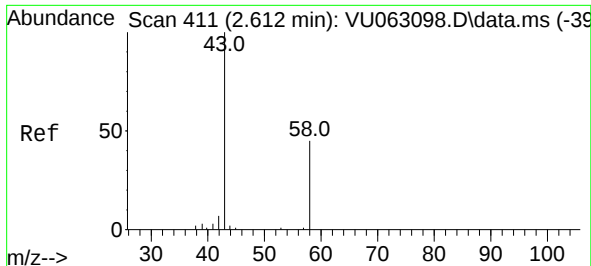
Tgt Ion:101 Resp: 216430
 Ion Ratio Lower Upper
 101 100
 85 41.6 33.2 49.8
 151 73.2 60.4 90.6



#12
 1,1-Dichloroethene
 Concen: 224.733 ug/L
 RT: 2.531 min Scan# 386
 Delta R.T. -0.036 min
 Lab File: VU063100.D
 Acq: 30 Jan 2025 15:07

Tgt Ion: 96 Resp: 209266
 Ion Ratio Lower Upper
 96 100
 61 157.8 104.2 193.4
 63 125.6 81.5 151.5





#13

Acetone

Concen: 457.807 ug/L

RT: 2.631 min Scan# 411

Delta R.T. 0.019 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

Instrument :

MSVOA_U

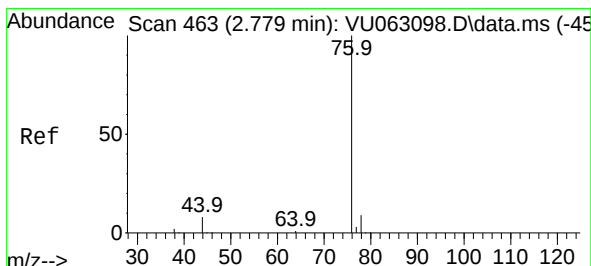
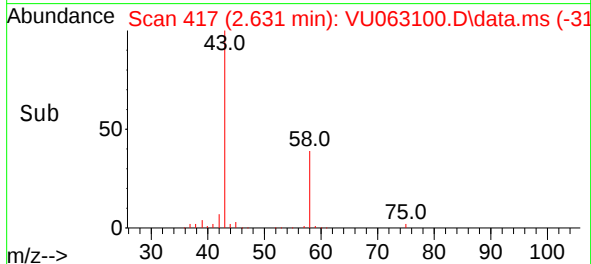
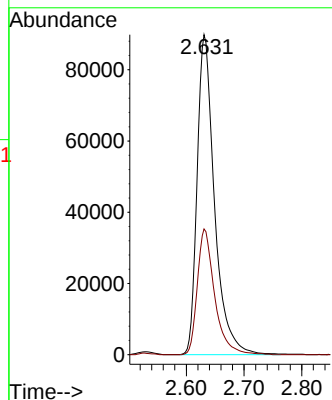
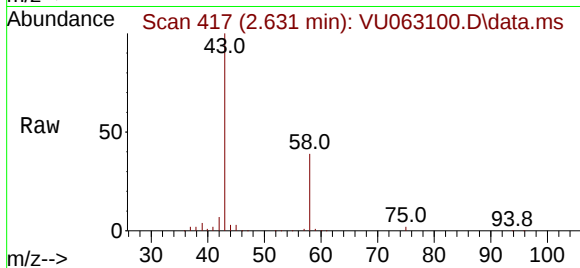
ClientSampleId :

Tgt Ion: 43 Resp: 187452

Ion Ratio Lower Upper

43 100

58 39.1 0.0 88.8



#14

Carbon disulfide

Concen: 210.576 ug/L

RT: 2.743 min Scan# 452

Delta R.T. -0.036 min

Lab File: VU063100.D

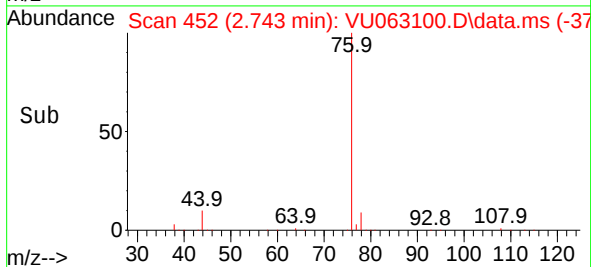
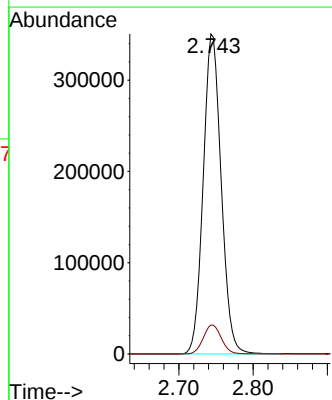
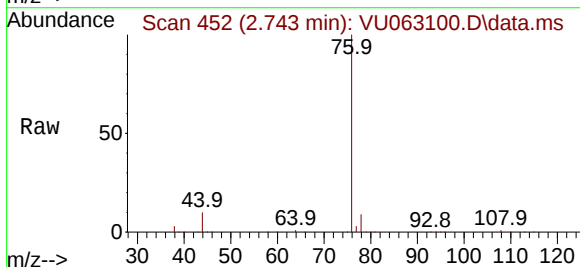
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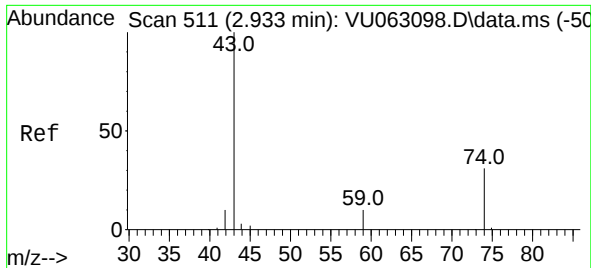
Tgt Ion: 76 Resp: 588100

Ion Ratio Lower Upper

76 100

78 9.1 6.8 10.2

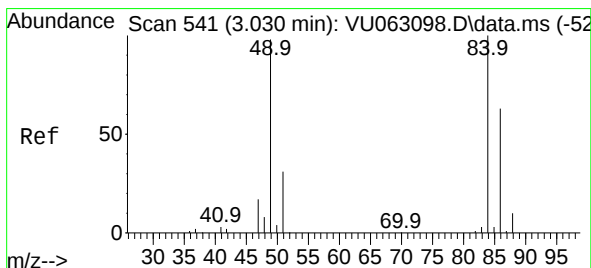
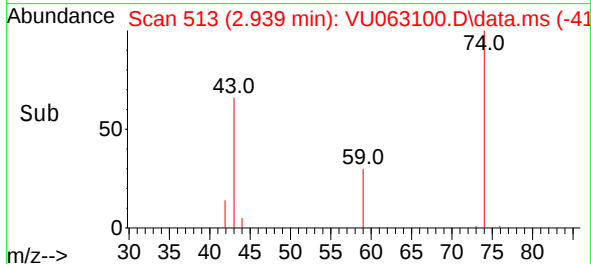
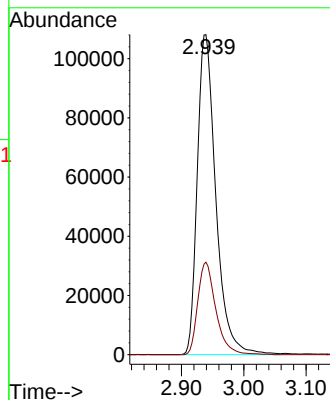
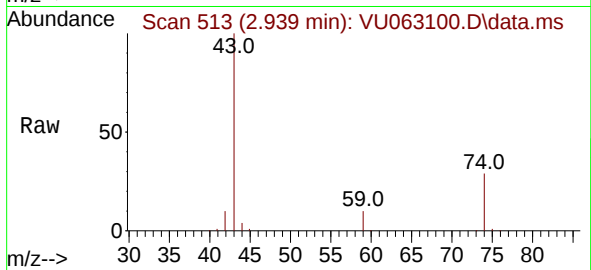




#15
Methyl Acetate
Concen: 279.477 ug/L
RT: 2.939 min Scan# 511
Delta R.T. 0.006 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

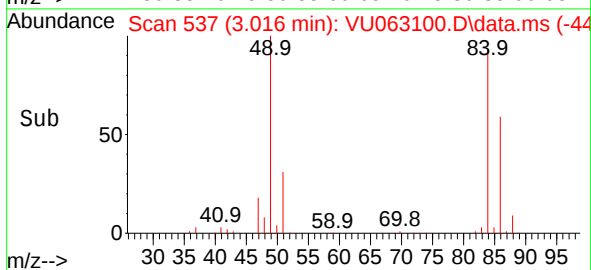
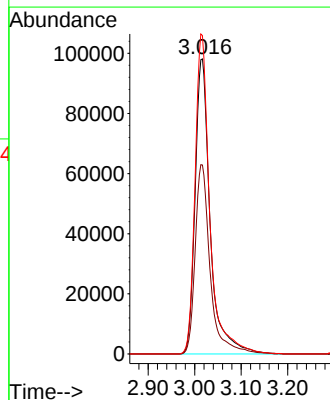
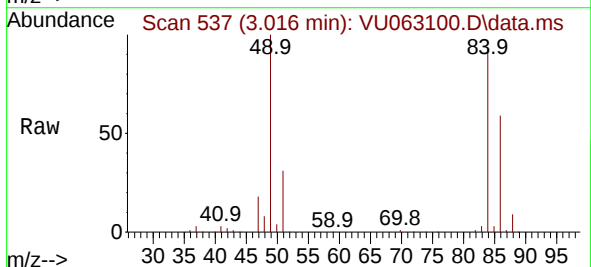
Instrument :
MSVOA_U
ClientSampleId :

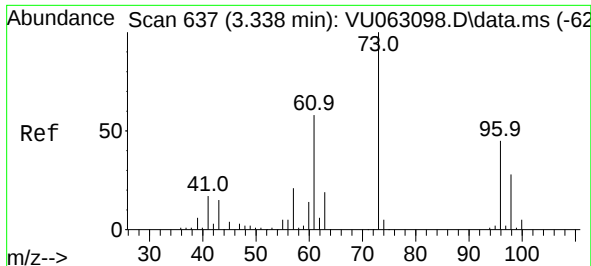
Tgt Ion: 43 Resp: 223662
Ion Ratio Lower Upper
43 100
74 28.0 25.0 37.6



#16
Methylene chloride
Concen: 212.663 ug/L
RT: 3.016 min Scan# 537
Delta R.T. -0.013 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

Tgt Ion: 84 Resp: 220955
Ion Ratio Lower Upper
84 100
86 64.0 44.2 82.0
49 107.9 68.4 127.0





#17

trans-1,2-Dichloroethene

Concen: 206.288 ug/L

RT: 3.319 min Scan# 61

Delta R.T. -0.020 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

Instrument :

MSVOA_U

ClientSampleId :

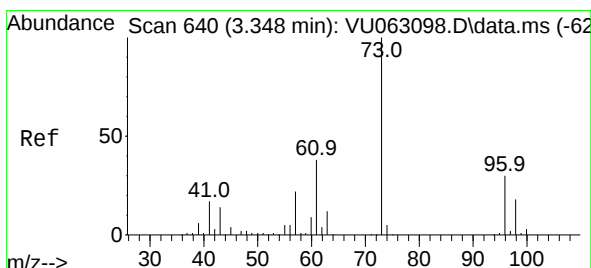
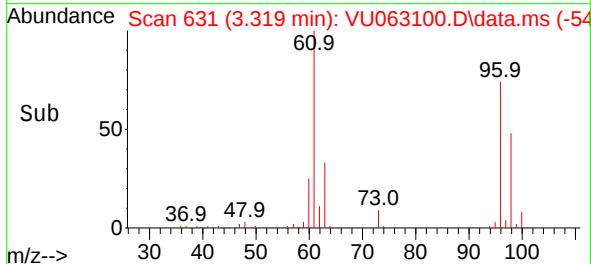
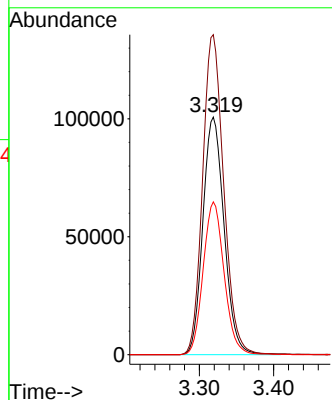
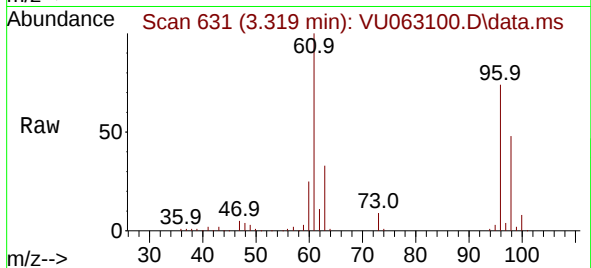
Tgt Ion: 96 Resp: 199822

Ion Ratio Lower Upper

96 100

61 134.7 91.1 169.3

98 64.3 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 196.883 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.006 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

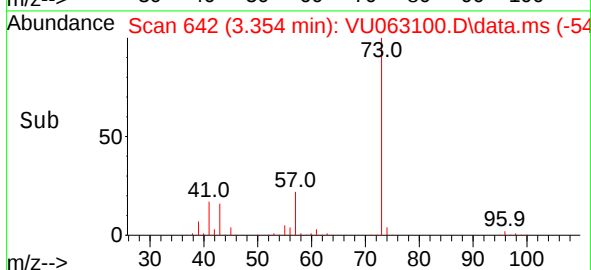
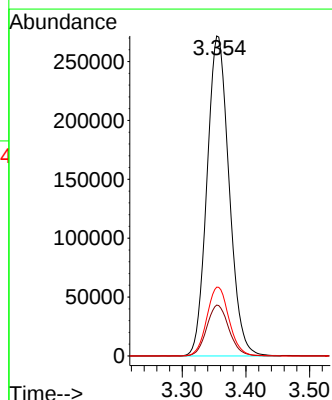
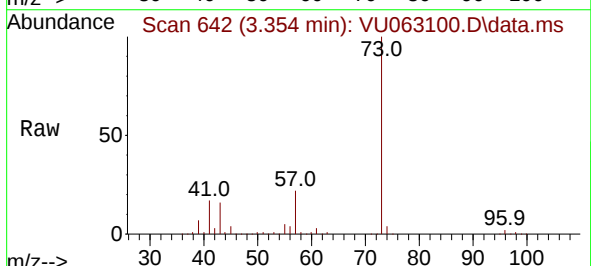
Tgt Ion: 73 Resp: 654730

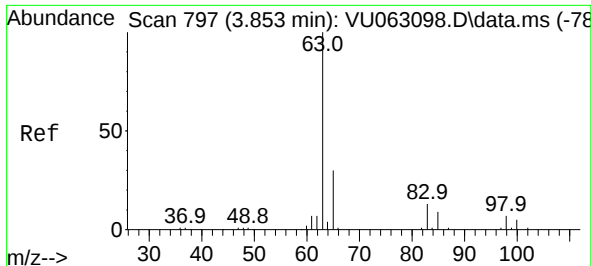
Ion Ratio Lower Upper

73 100

43 16.0 11.4 17.2

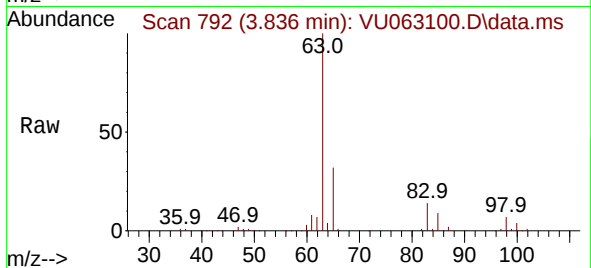
57 21.7 17.2 25.8



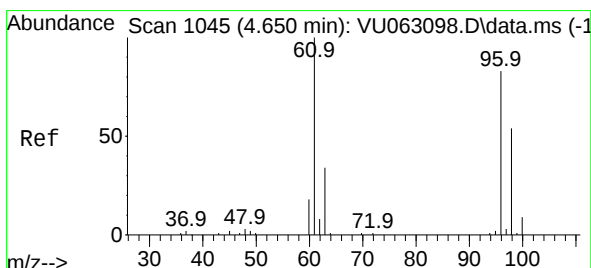
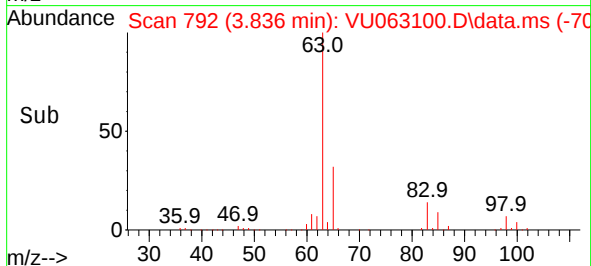
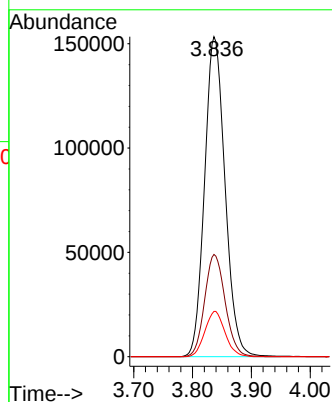


#19
1,1-Dichloroethane
Concen: 210.119 ug/L
RT: 3.836 min Scan# 797
Delta R.T. -0.016 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

Instrument :
MSVOA_U
ClientSampleId :

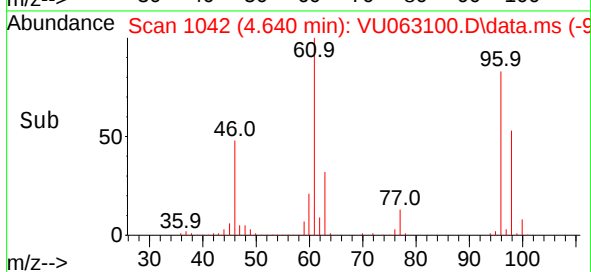
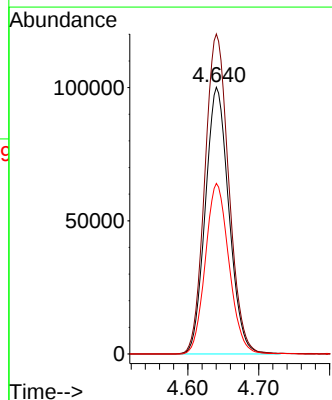
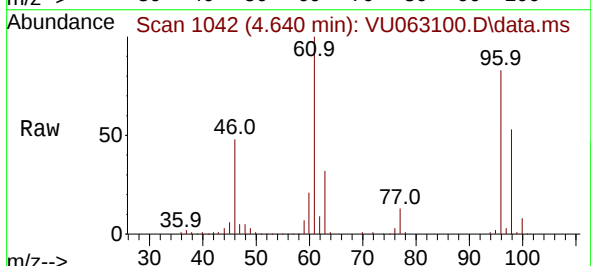


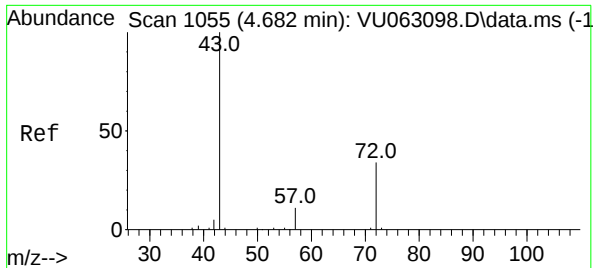
Tgt Ion: 63 Resp: 370798
Ion Ratio Lower Upper
63 100
65 32.0 20.9 38.9
83 14.2 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 213.484 ug/L
RT: 4.640 min Scan# 1042
Delta R.T. -0.010 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

Tgt Ion: 96 Resp: 231575
Ion Ratio Lower Upper
96 100
61 120.0 84.4 156.8
98 64.0 46.0 85.4





#22

2-Butanone

Concen: 562.773 ug/L

RT: 4.695 min Scan# 1105

Delta R.T. 0.013 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

Instrument :

MSVOA_U

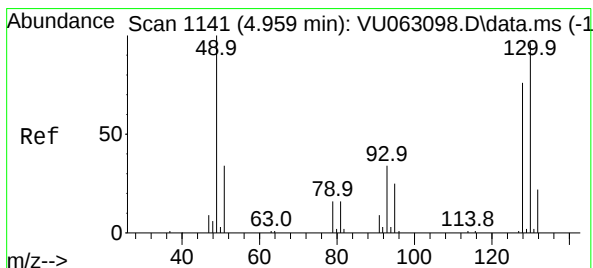
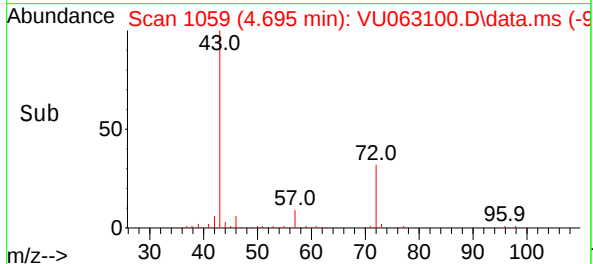
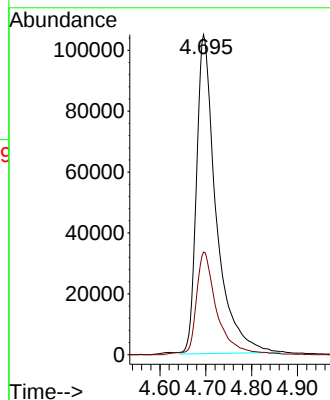
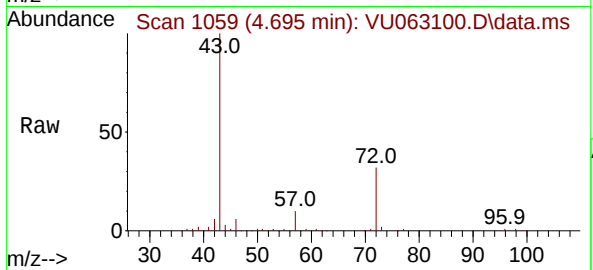
ClientSampleId :

Tgt Ion: 43 Resp: 311853

Ion Ratio Lower Upper

43 100

72 31.2 17.5 52.6



#23

Bromochloromethane

Concen: 188.844 ug/L

RT: 4.952 min Scan# 1139

Delta R.T. -0.007 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

Tgt Ion:128 Resp: 114714

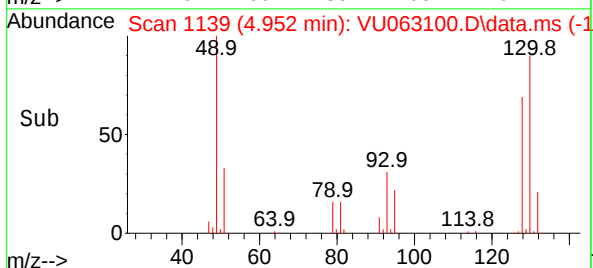
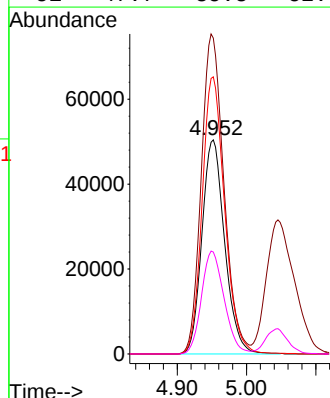
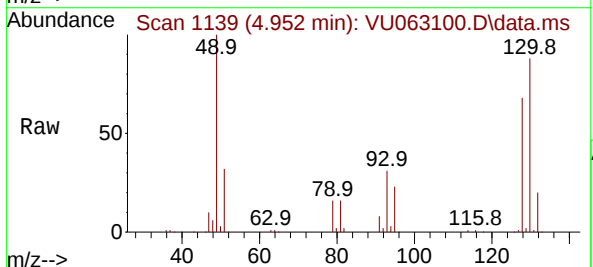
Ion Ratio Lower Upper

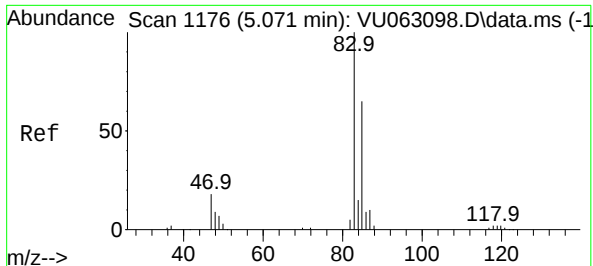
128 100

49 147.6 92.0 170.9

130 129.5 88.3 164.1

51 47.7 35.3 52.9





#25

Chloroform

Concen: 184.452 ug/L

RT: 5.068 min Scan# 1175

Delta R.T. -0.004 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

Instrument :

MSVOA_U

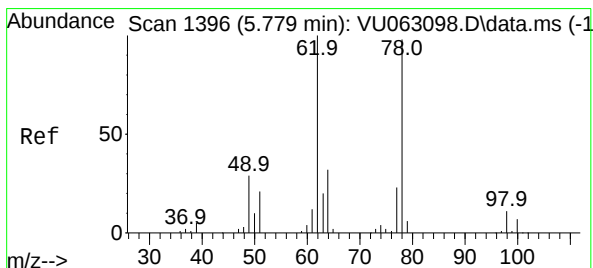
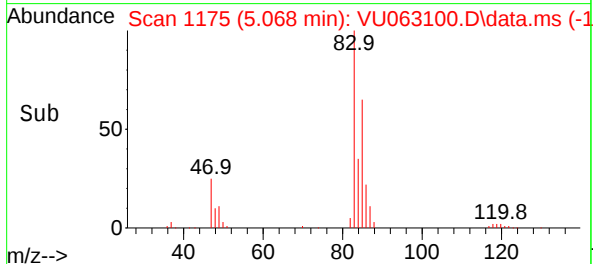
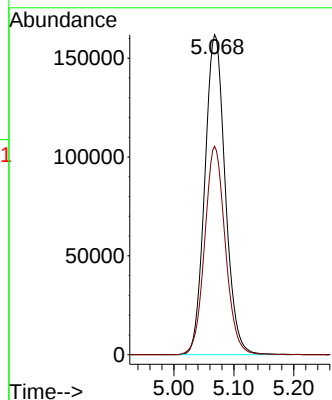
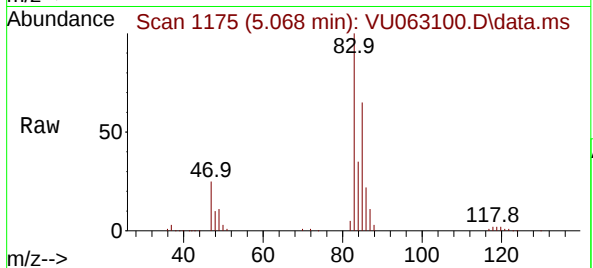
ClientSampleId :

Tgt Ion: 83 Resp: 383459

Ion Ratio Lower Upper

83 100

85 65.1 45.4 84.4



#27

1,2-Dichloroethane

Concen: 164.668 ug/L

RT: 5.775 min Scan# 1395

Delta R.T. -0.004 min

Lab File: VU063100.D

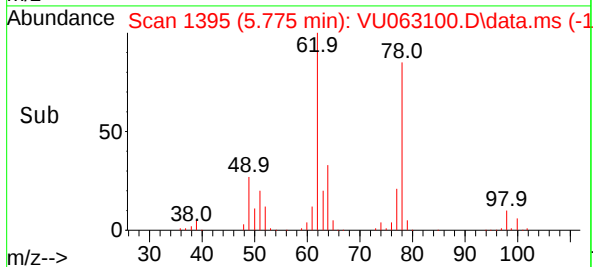
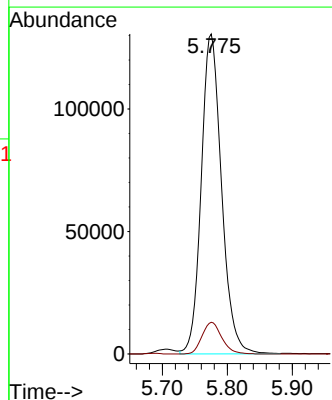
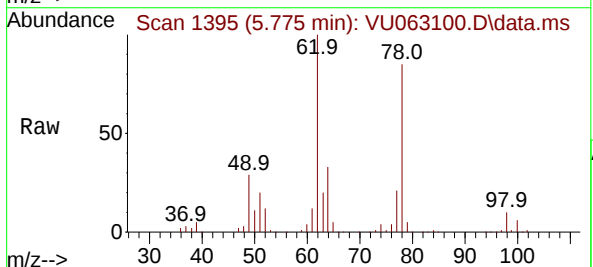
Acq: 30 Jan 2025 15:07

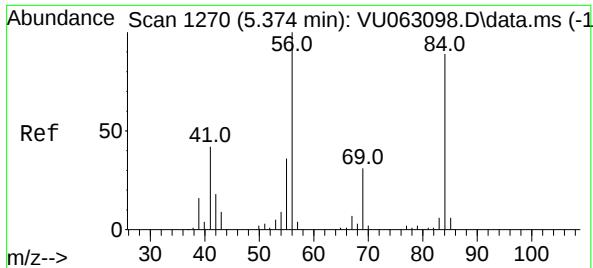
Tgt Ion: 62 Resp: 284229

Ion Ratio Lower Upper

62 100

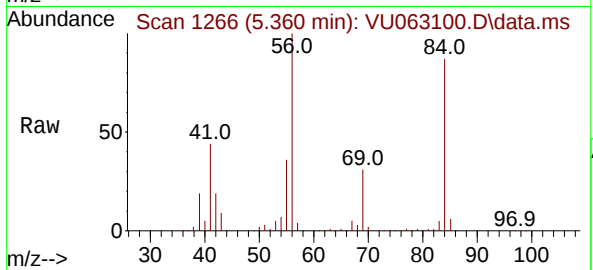
98 9.9 8.5 12.7



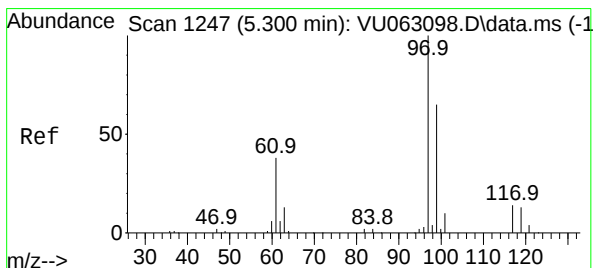
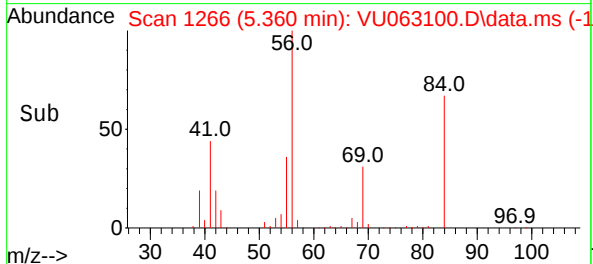
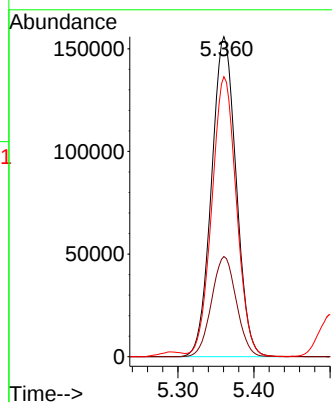


#29
Cyclohexane
Concen: 233.389 ug/L
RT: 5.360 min Scan# 1266
Delta R.T. -0.013 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

Instrument :
MSVOA_U
ClientSampleId :

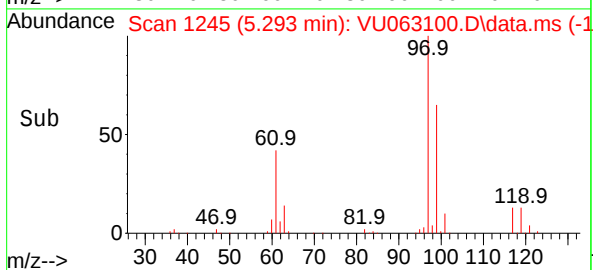
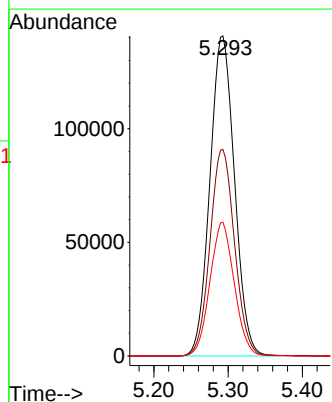
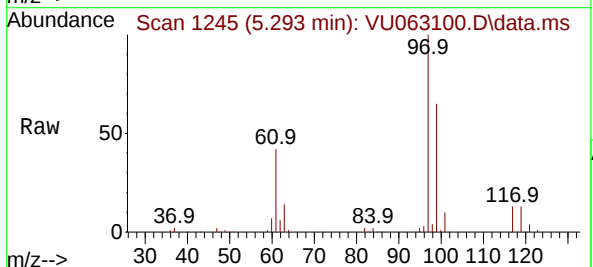


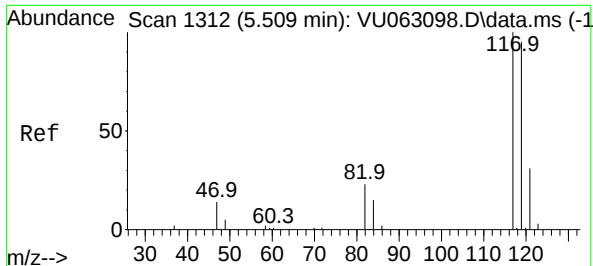
Tgt Ion: 56 Resp: 350873
Ion Ratio Lower Upper
56 100
69 31.6 25.6 38.4
84 87.7 71.6 107.4



#30
1,1,1-Trichloroethane
Concen: 158.897 ug/L
RT: 5.293 min Scan# 1245
Delta R.T. -0.007 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

Tgt Ion: 97 Resp: 324313
Ion Ratio Lower Upper
97 100
99 64.5 52.2 78.4
61 41.4 31.5 47.3

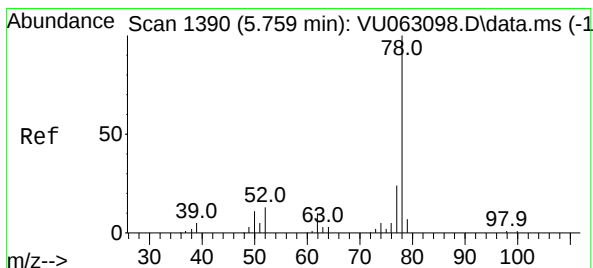
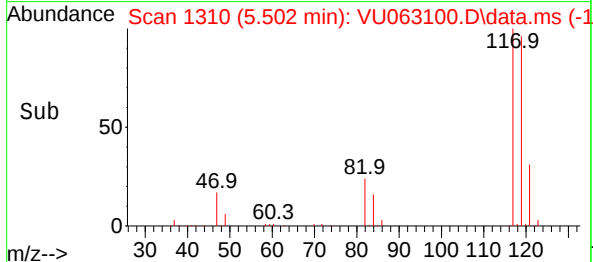
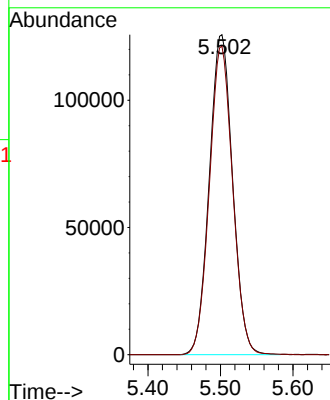
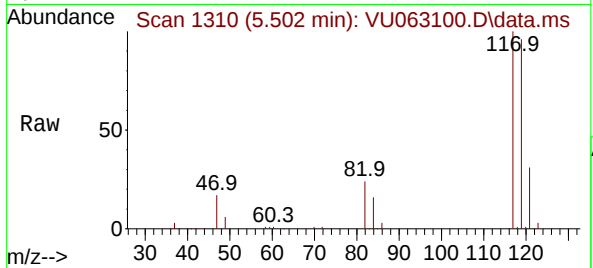




#31
Carbon tetrachloride
Concen: 149.648 ug/L
RT: 5.502 min Scan# 117
Delta R.T. -0.007 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

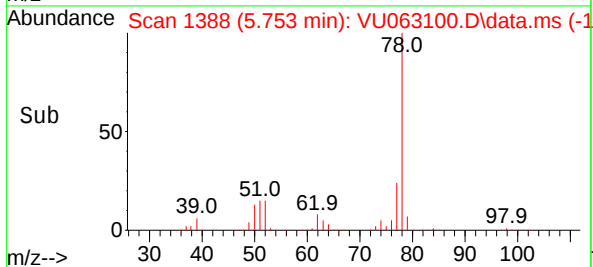
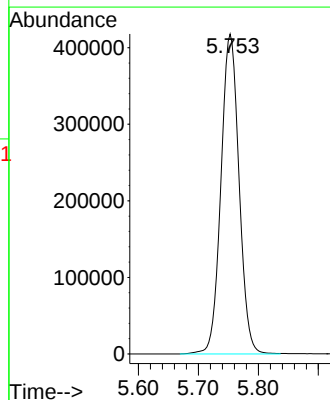
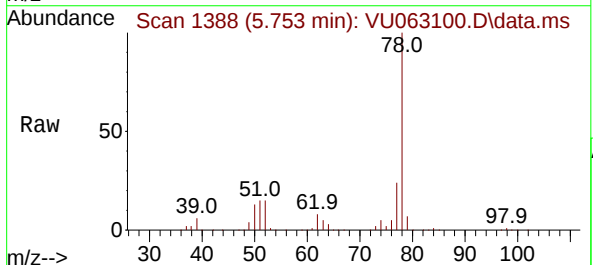
Instrument :
MSVOA_U
ClientSampleId :

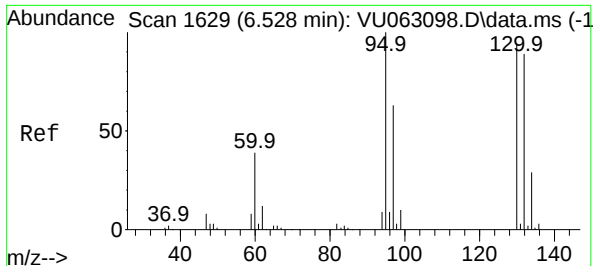
Tgt Ion:117 Resp: 280921
Ion Ratio Lower Upper
117 100
119 96.1 77.7 116.5



#33
Benzene
Concen: 203.915 ug/L
RT: 5.753 min Scan# 1388
Delta R.T. -0.007 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

Tgt Ion: 78 Resp: 873379





#34

Trichloroethene

Concen: 192.233 ug/L

RT: 6.524 min Scan# 1

Delta R.T. -0.004 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 249307

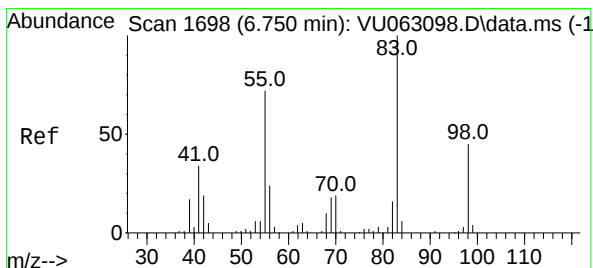
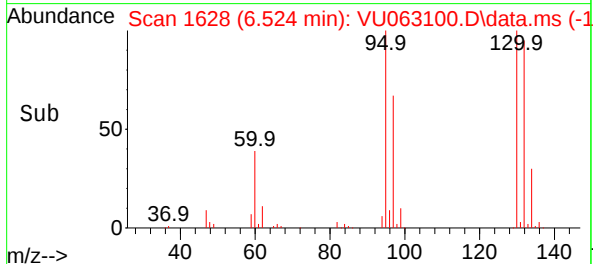
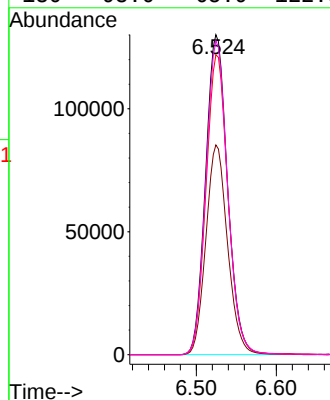
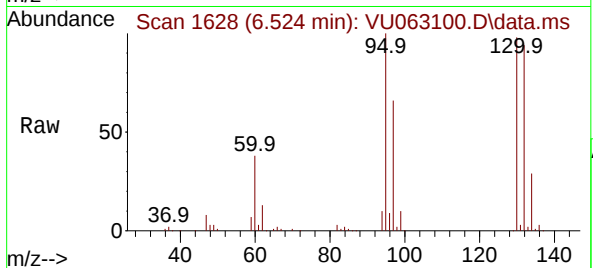
Ion Ratio Lower Upper

95 100

97 65.6 44.3 82.3

132 93.7 62.4 116.0

130 98.0 65.9 122.3



#35

Methylcyclohexane

Concen: 217.818 ug/L

RT: 6.743 min Scan# 1696

Delta R.T. -0.007 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

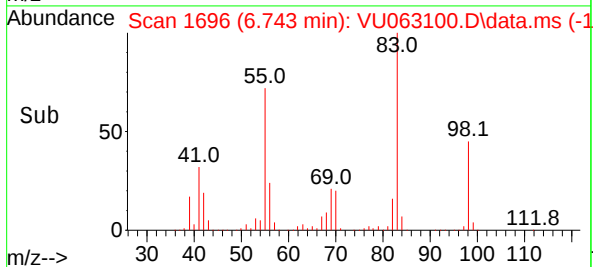
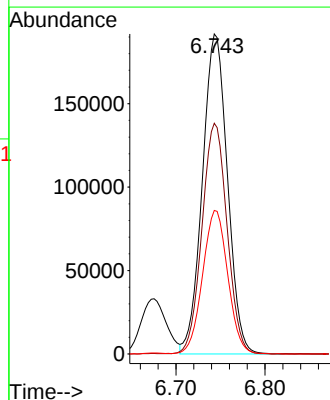
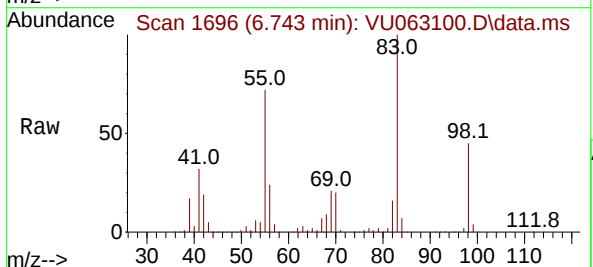
Tgt Ion: 83 Resp: 375271

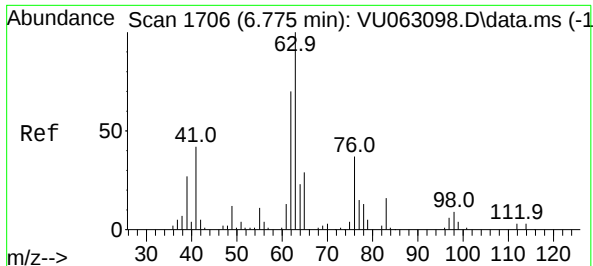
Ion Ratio Lower Upper

83 100

55 72.0 56.4 84.6

98 45.1 35.3 52.9

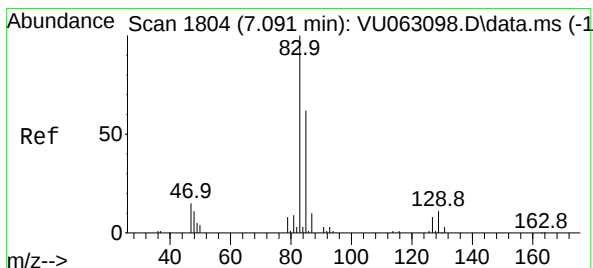
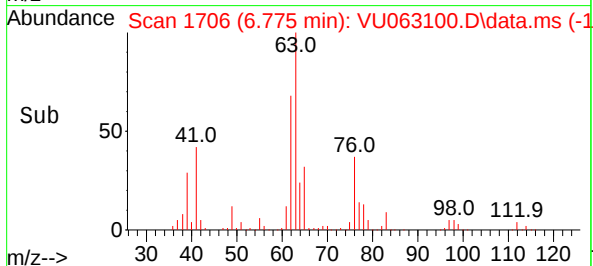
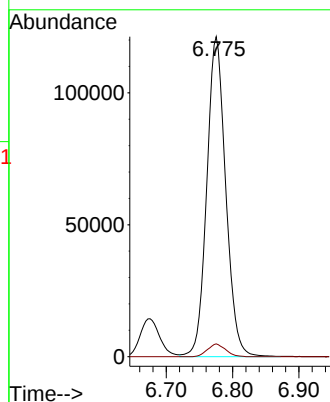
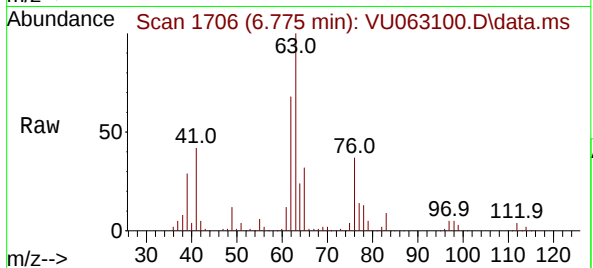




#37
1,2-Dichloropropane
Concen: 229.079 ug/L
RT: 6.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

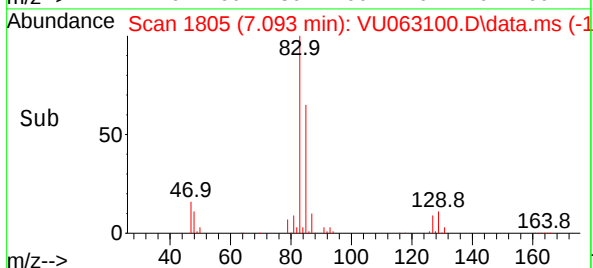
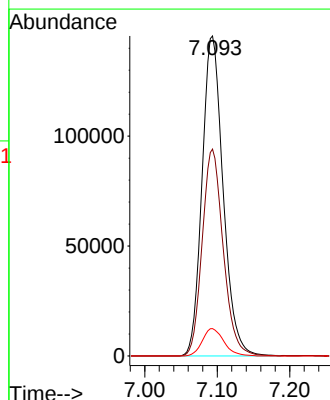
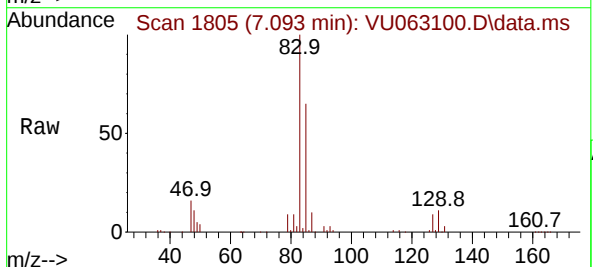
Instrument :
MSVOA_U
ClientSampleId :

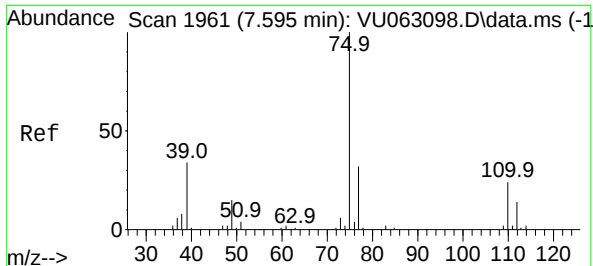
Tgt Ion: 63 Resp: 240993
Ion Ratio Lower Upper
63 100
112 3.8 2.6 4.0



#38
Bromodichloromethane
Concen: 176.750 ug/L
RT: 7.093 min Scan# 1805
Delta R.T. 0.003 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

Tgt Ion: 83 Resp: 294003
Ion Ratio Lower Upper
83 100
85 64.7 43.5 80.9
127 8.5 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 212.466 ug/L

RT: 7.595 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

Instrument :

MSVOA_U

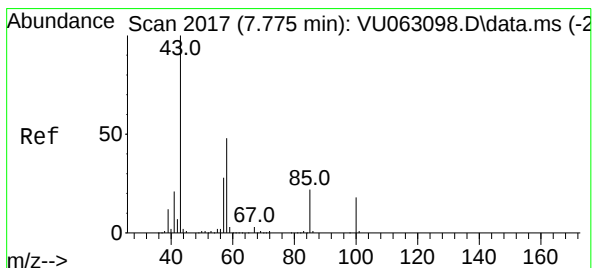
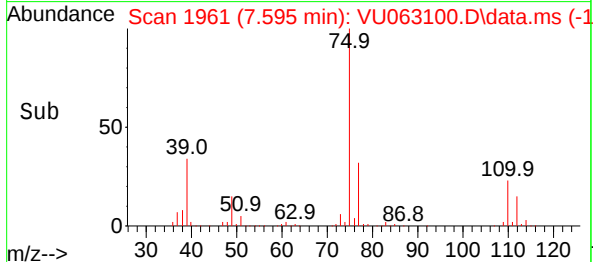
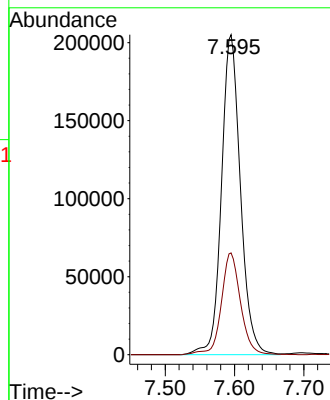
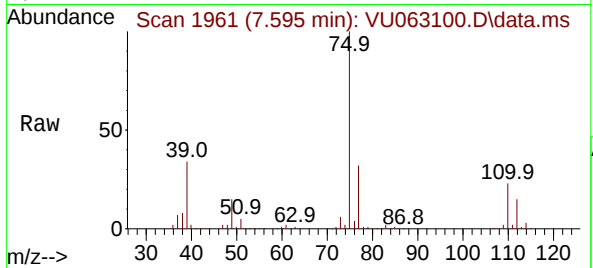
ClientSampleId :

Tgt Ion: 75 Resp: 390656

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 534.211 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.009 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

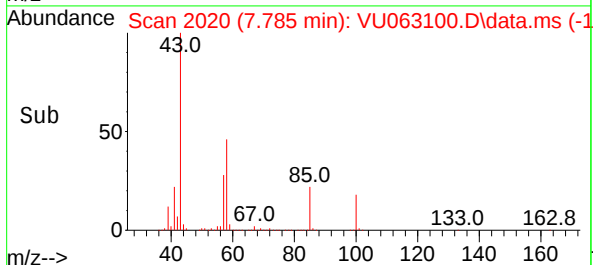
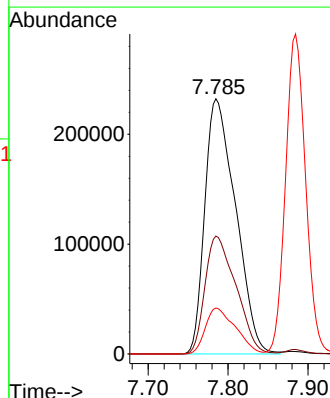
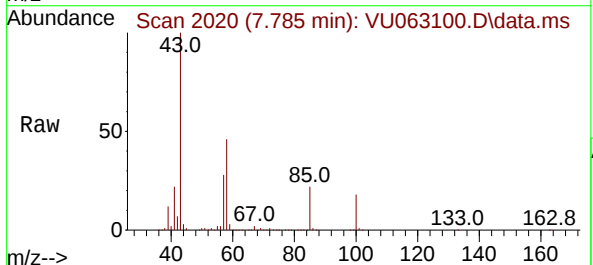
Tgt Ion: 43 Resp: 623242

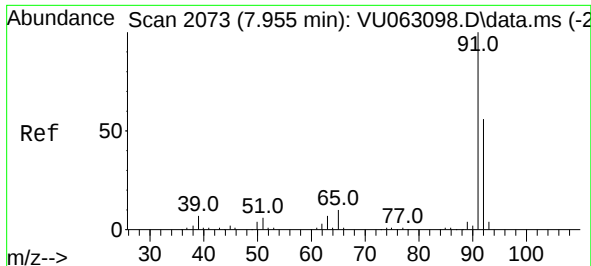
Ion Ratio Lower Upper

43 100

58 46.3 37.5 56.3

100 17.7 14.3 21.5





#42

Toluene

Concen: 207.833 ug/L

RT: 7.955 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

Instrument :

MSVOA_U

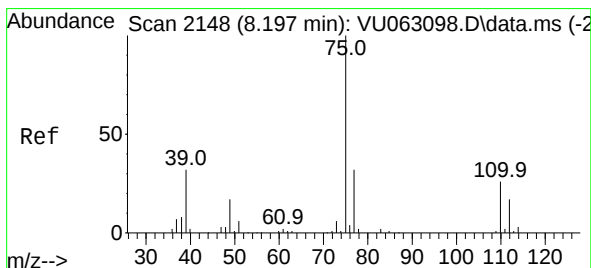
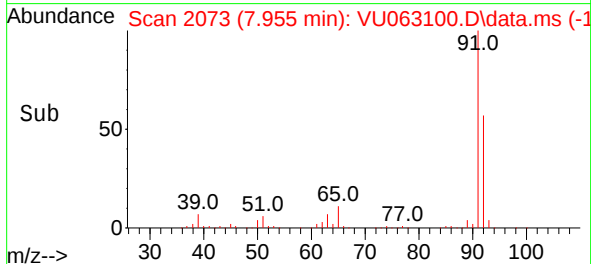
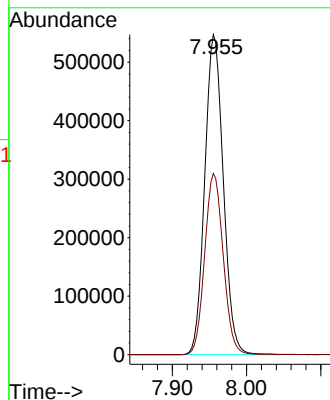
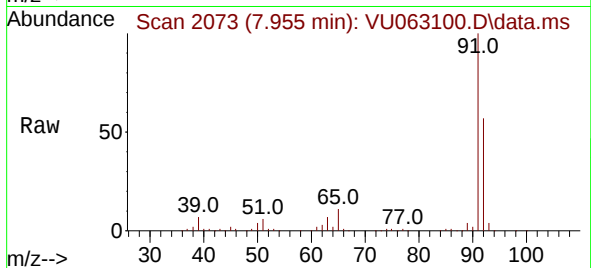
ClientSampleId :

Tgt Ion: 91 Resp: 948545

Ion Ratio Lower Upper

91 100

92 56.6 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 199.785 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.003 min

Lab File: VU063100.D

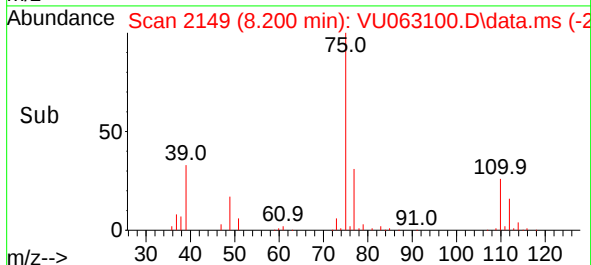
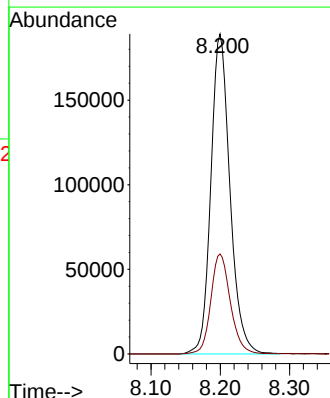
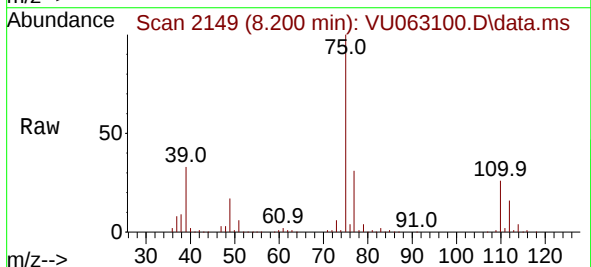
Acq: 30 Jan 2025 15:07

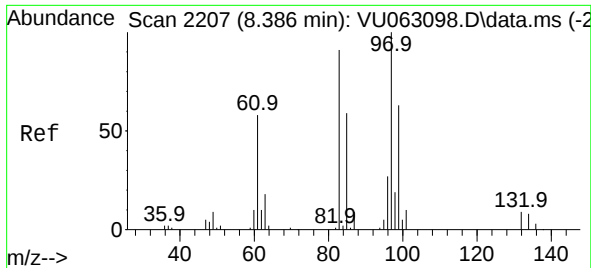
Tgt Ion: 75 Resp: 361257

Ion Ratio Lower Upper

75 100

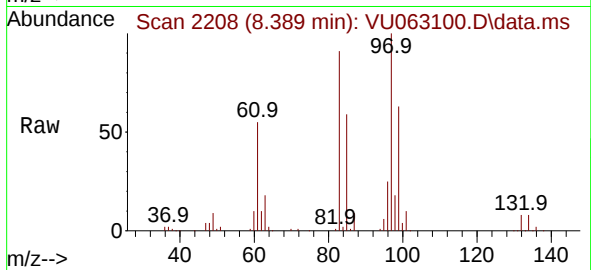
77 31.3 22.3 41.3



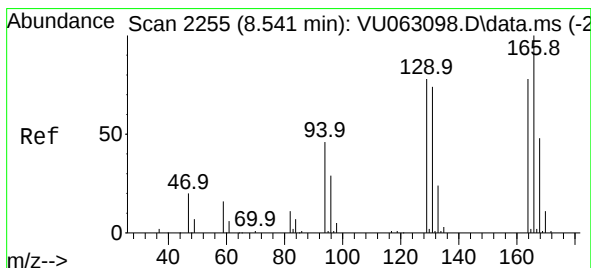
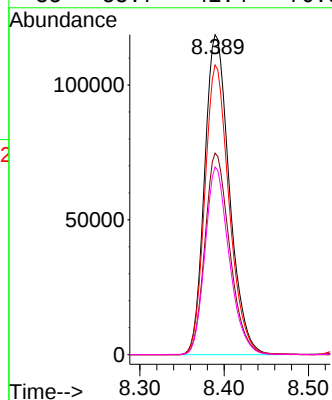
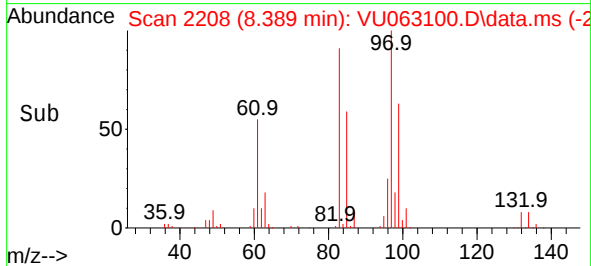


#45
1,1,2-Trichloroethane
Concen: 217.419 ug/L
RT: 8.389 min Scan# 2207
Delta R.T. 0.003 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

Instrument :
MSVOA_U
ClientSampleId :

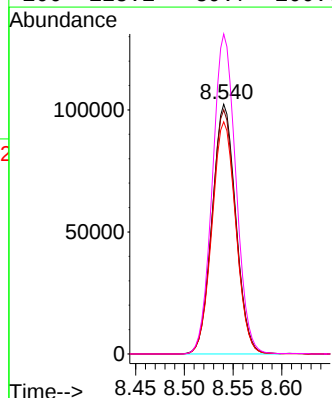
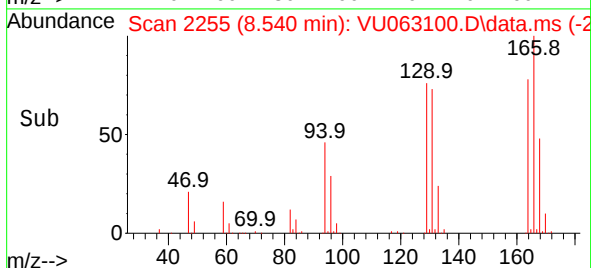
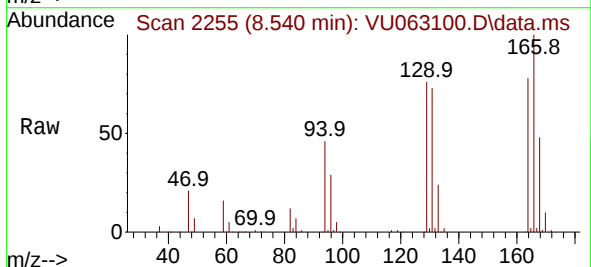


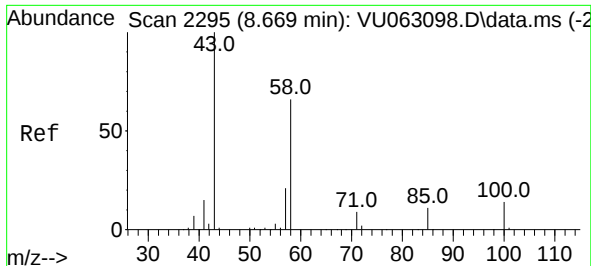
Tgt Ion:	97	Resp:	243250
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.2	82.2
83	90.5	64.0	118.8
85	58.7	41.4	76.8



#46
Tetrachloroethene
Concen: 183.828 ug/L
RT: 8.540 min Scan# 2255
Delta R.T. -0.000 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

Tgt Ion:	164	Resp:	172383
Ion	Ratio	Lower	Upper
164	100		
129	97.8	69.9	129.7
131	92.9	66.3	123.1
166	128.1	89.7	166.7

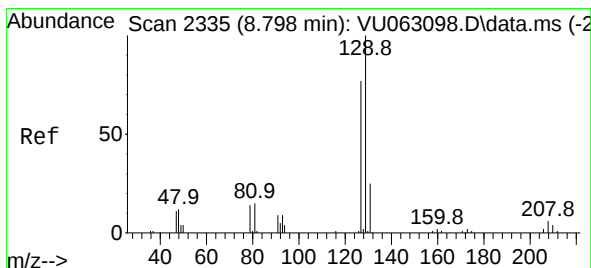
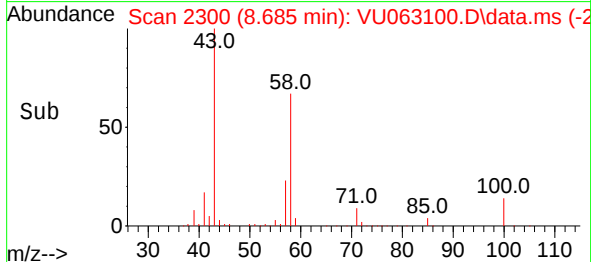
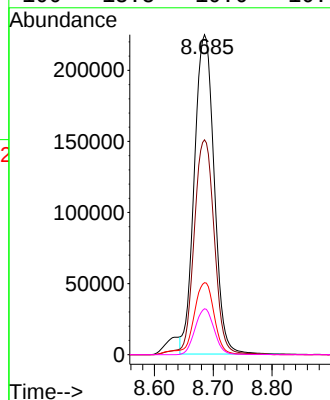
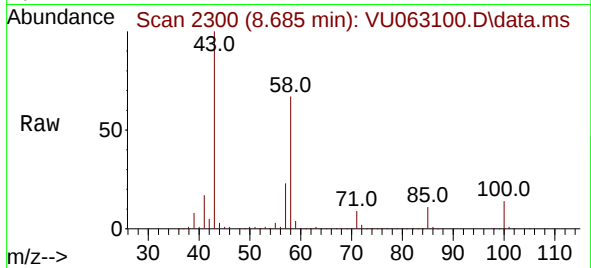




#48
2-Hexanone
Concen: 594.815 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.016 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

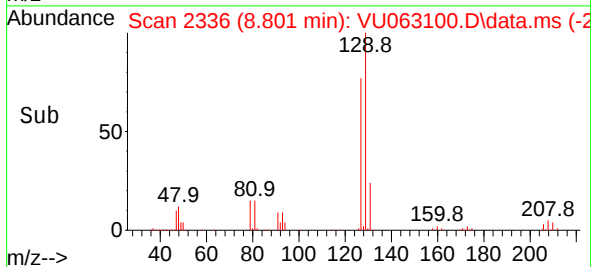
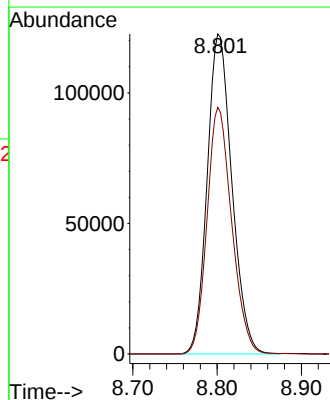
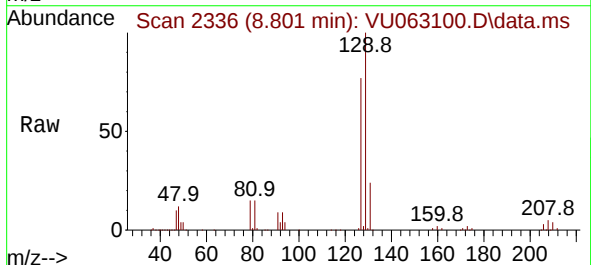
Instrument :
MSVOA_U
ClientSampleId :

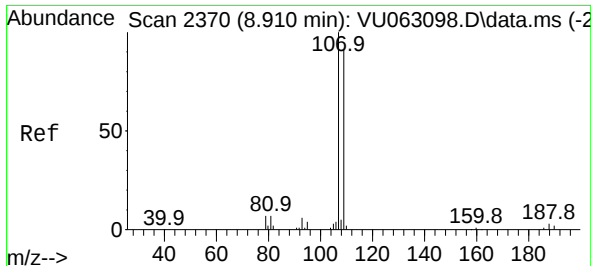
Tgt Ion:	43	Resp:	526953
Ion	Ratio	Lower	Upper
43	100		
58	68.8	52.6	78.8
57	23.7	17.9	26.9
100	13.8	10.6	16.0



#49
Dibromochloromethane
Concen: 190.961 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.003 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

Tgt Ion:	129	Resp:	250392
Ion	Ratio	Lower	Upper
129	100		
127	77.1	54.1	100.5





#50

1,2-Dibromoethane

Concen: 205.236 ug/L

RT: 8.913 min Scan# 24

Delta R.T. 0.003 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

Instrument :

MSVOA_U

ClientSampleId :

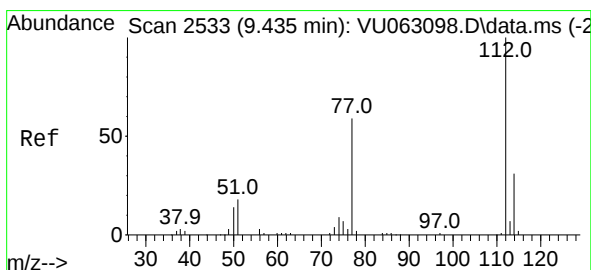
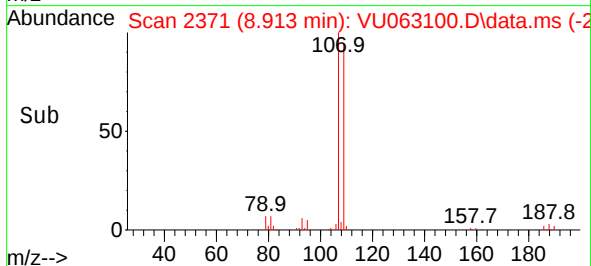
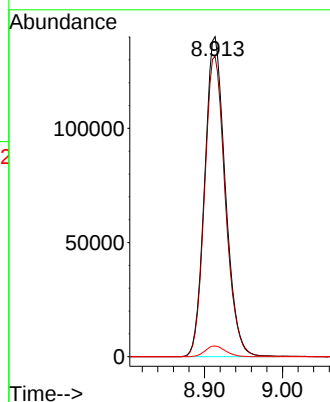
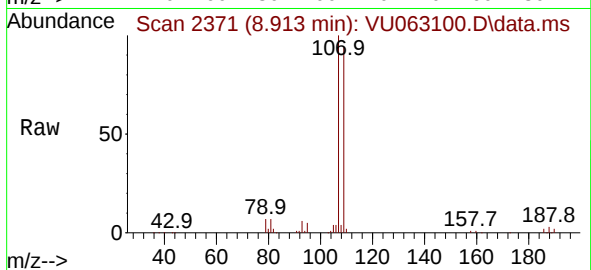
Tgt Ion:107 Resp: 258002

Ion Ratio Lower Upper

107 100

109 93.8 63.7 118.3

188 3.4 2.7 4.1



#51

Chlorobenzene

Concen: 203.517 ug/L

RT: 9.437 min Scan# 2534

Delta R.T. 0.003 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

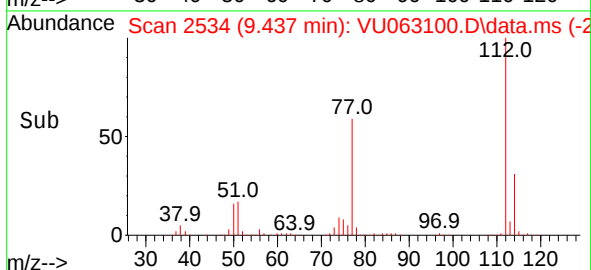
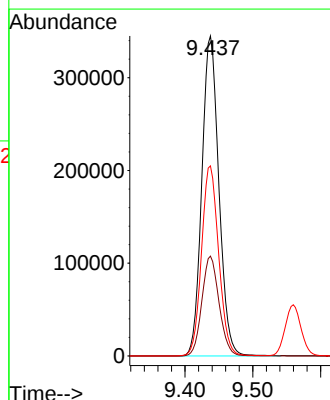
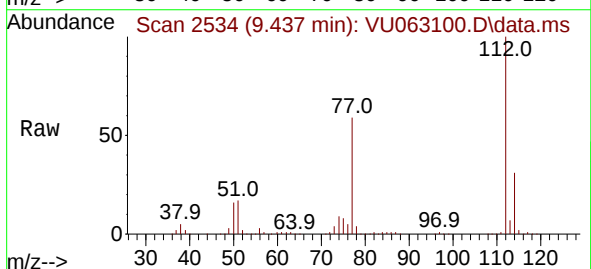
Tgt Ion:112 Resp: 601733

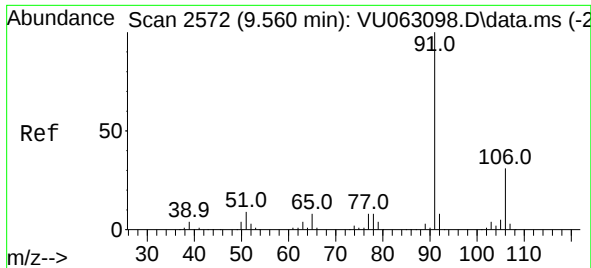
Ion Ratio Lower Upper

112 100

114 31.2 21.9 40.7

77 59.4 47.5 71.3

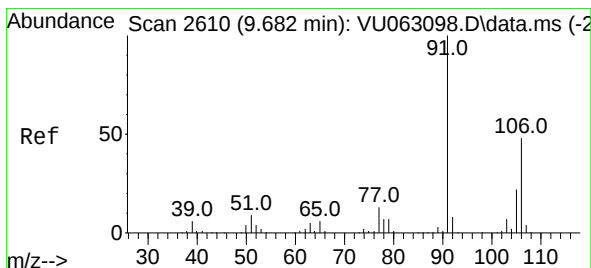
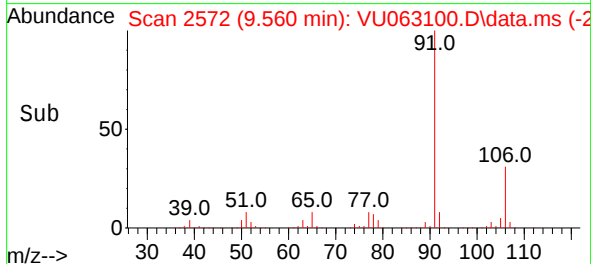
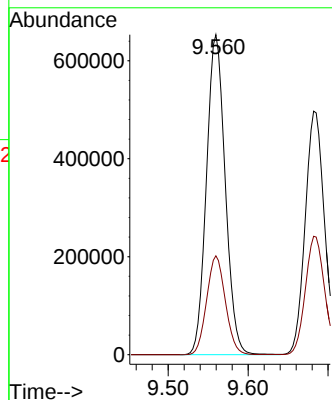
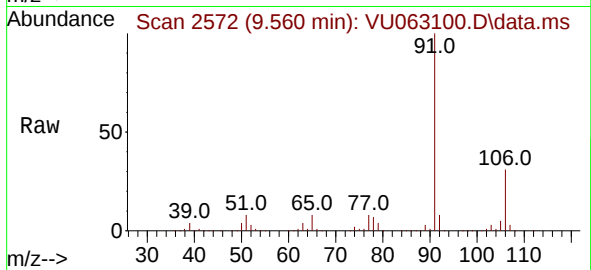




#52
Ethylbenzene
Concen: 206.605 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. -0.000 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

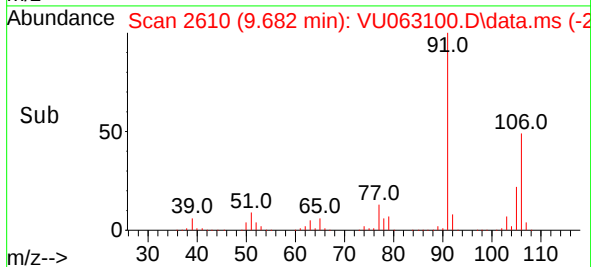
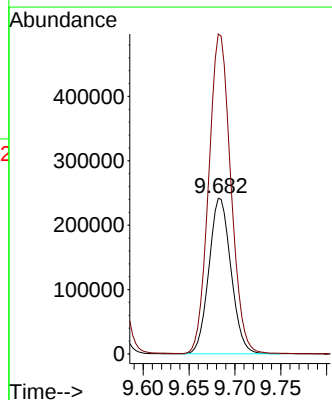
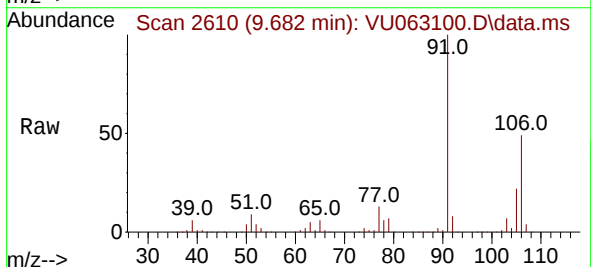
Instrument :
MSVOA_U
ClientSampleId :

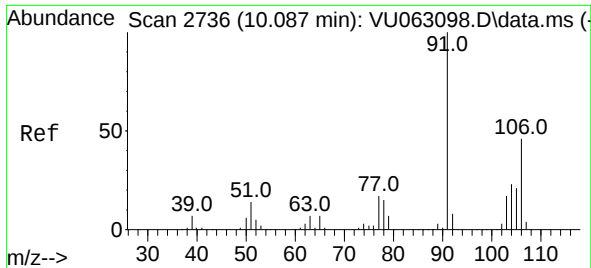
Tgt Ion: 91 Resp: 1066764
Ion Ratio Lower Upper
91 100
106 30.9 22.0 40.8



#53
m,p-Xylene
Concen: 211.070 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.000 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

Tgt Ion:106 Resp: 405089
Ion Ratio Lower Upper
106 100
91 205.6 145.5 270.1

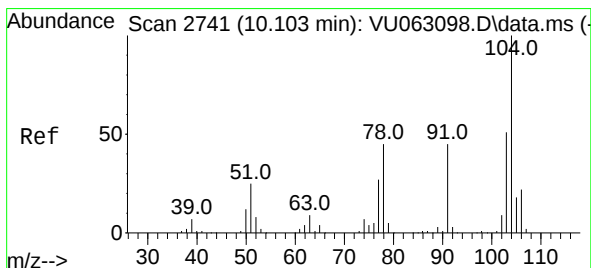
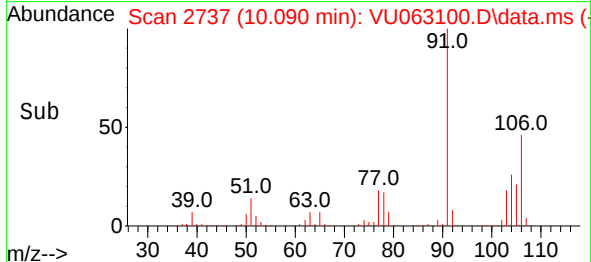
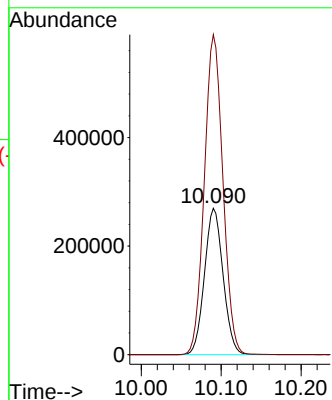
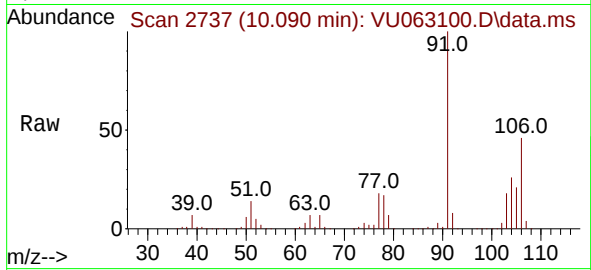




#54
o-Xylene
Concen: 233.799 ug/L
RT: 10.090 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

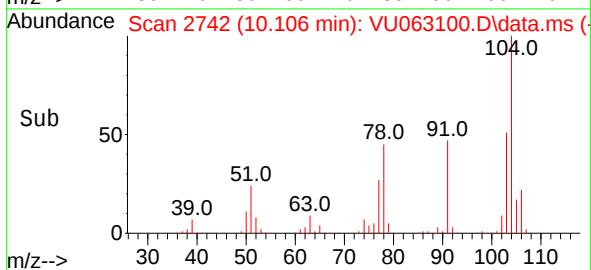
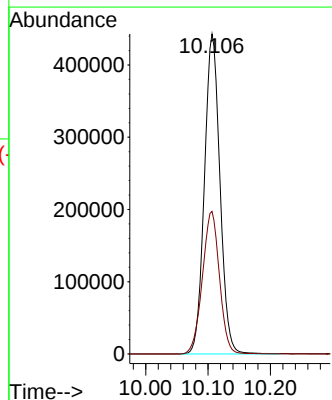
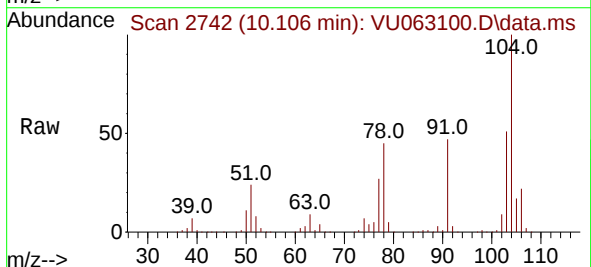
Instrument :
MSVOA_U
ClientSampleId :

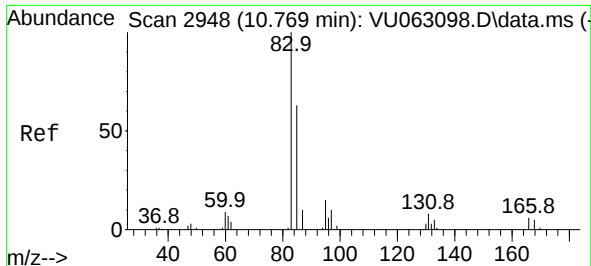
Tgt Ion:106 Resp: 436802
Ion Ratio Lower Upper
106 100
91 218.6 152.8 283.8



#55
Styrene
Concen: 241.383 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. 0.003 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

Tgt Ion:104 Resp: 768489
Ion Ratio Lower Upper
104 100
78 44.6 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 244.622 ug/L

RT: 10.775 min Scan# 2948

Delta R.T. 0.006 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

Instrument :

MSVOA_U

ClientSampleId :

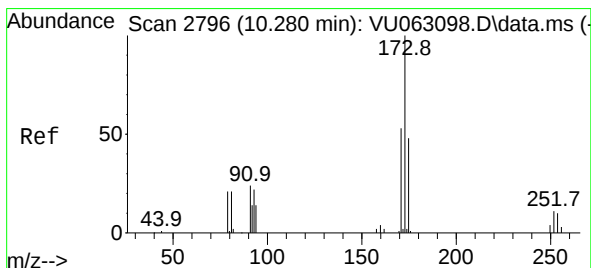
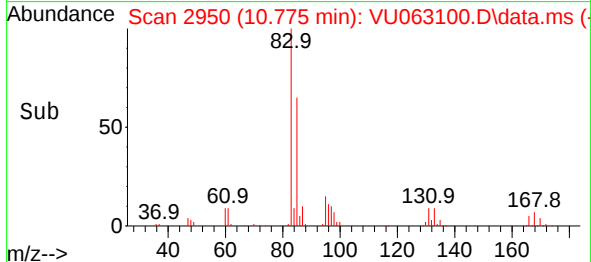
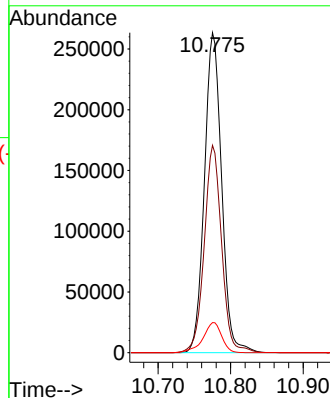
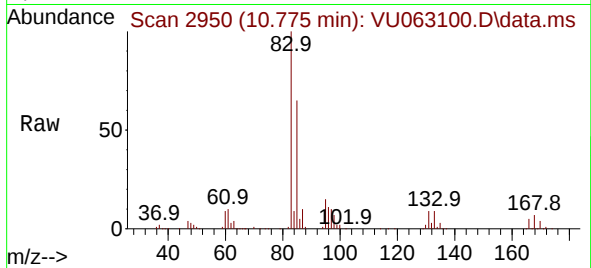
Tgt Ion: 83 Resp: 434040

Ion Ratio Lower Upper

83 100

85 64.8 44.9 83.3

131 9.4 7.1 10.7



#59

Bromoform

Concen: 182.065 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. 0.006 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

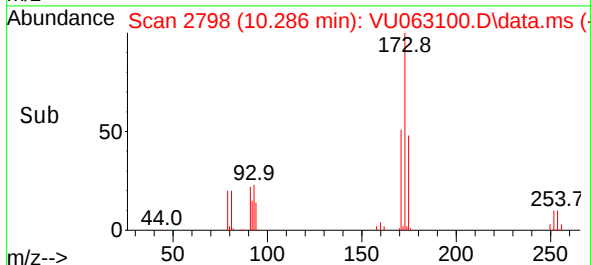
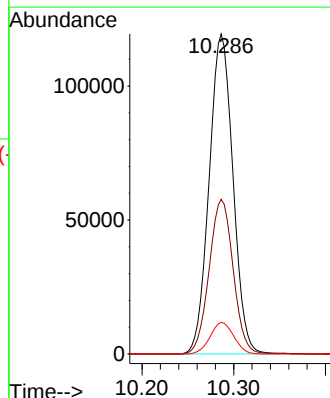
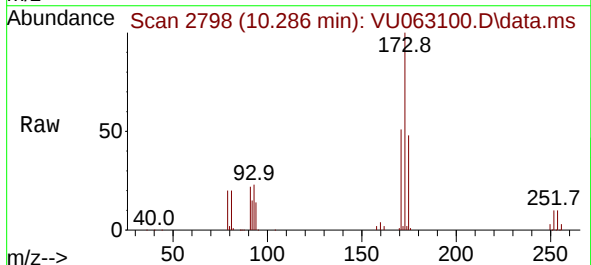
Tgt Ion:173 Resp: 215596

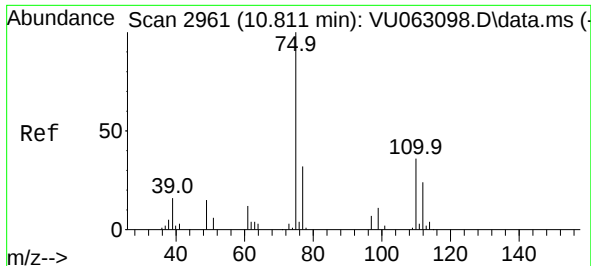
Ion Ratio Lower Upper

173 100

175 48.6 38.6 57.8

254 9.8 7.6 11.4

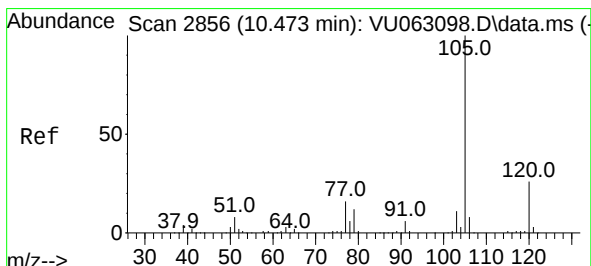
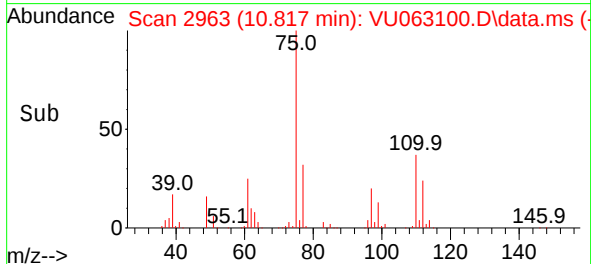
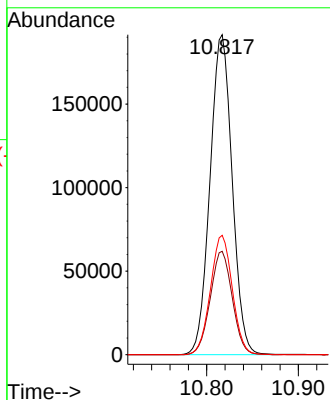
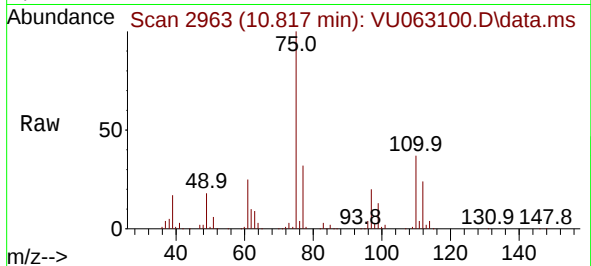




#60
1,2,3-Trichloropropane
Concen: 194.714 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.006 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

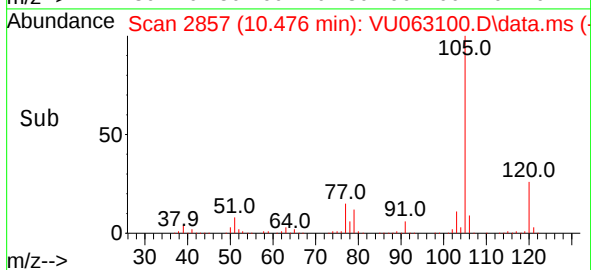
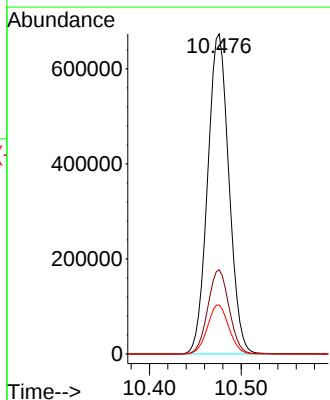
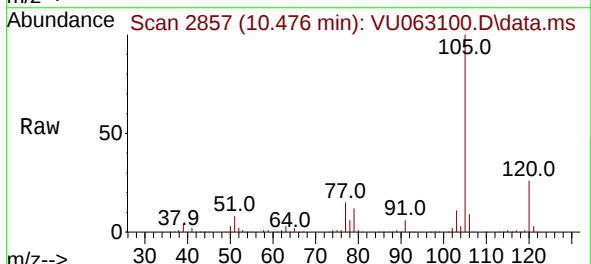
Instrument :
MSVOA_U
ClientSampleId :

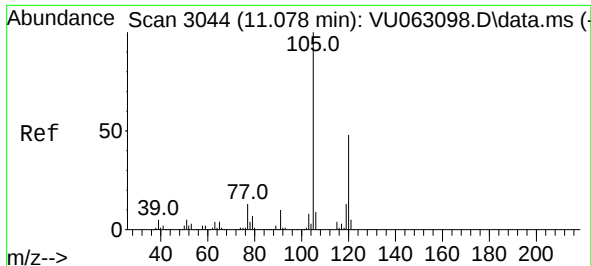
Tgt Ion: 75 Resp: 320983
Ion Ratio Lower Upper
75 100
77 32.2 25.6 38.4
110 36.9 29.1 43.7



#61
Isopropylbenzene
Concen: 188.381 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. 0.003 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

Tgt Ion:105 Resp: 1086290
Ion Ratio Lower Upper
105 100
120 26.3 20.9 31.3
77 15.4 12.5 18.7





#62

1,3,5-Trimethylbenzene

Concen: 186.002 ug/L

RT: 11.080 min Scan# 3044

Delta R.T. 0.003 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

Instrument :

MSVOA_U

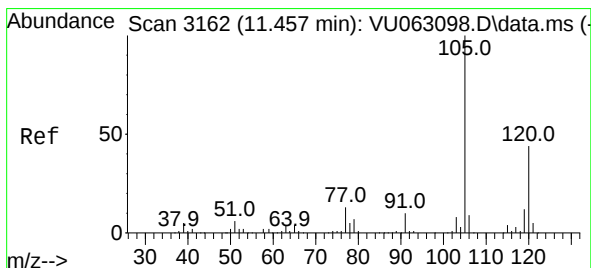
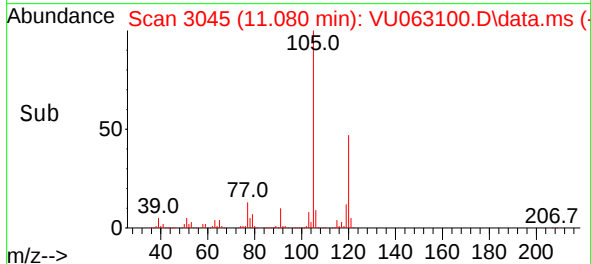
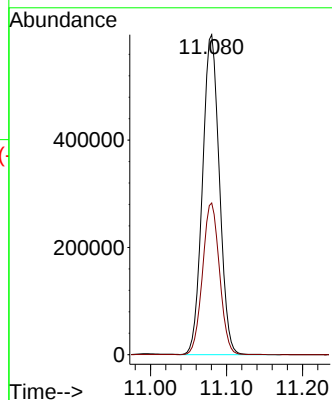
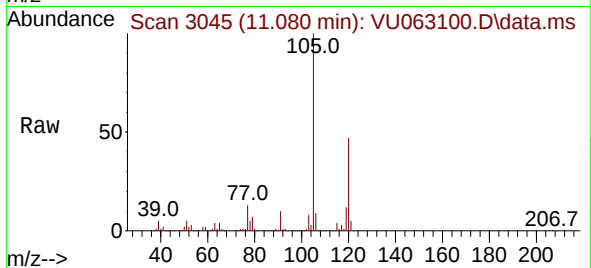
ClientSampleId :

Tgt Ion:105 Resp: 919865

Ion Ratio Lower Upper

105 100

120 47.6 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 202.354 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VU063100.D

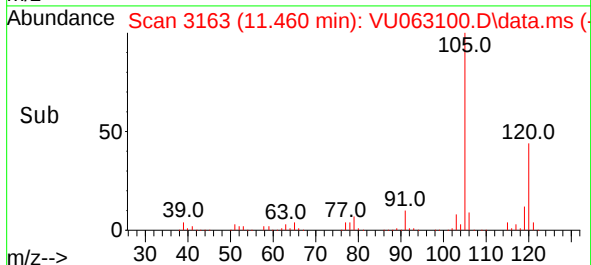
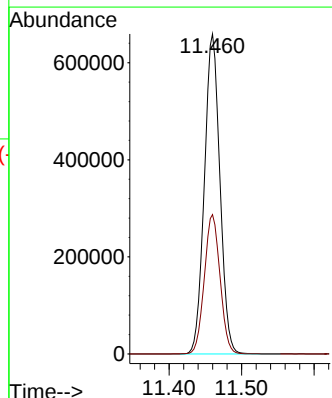
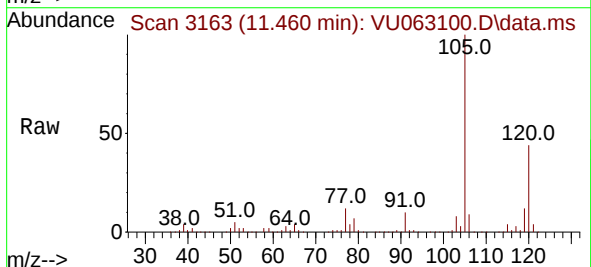
Acq: 30 Jan 2025 15:07

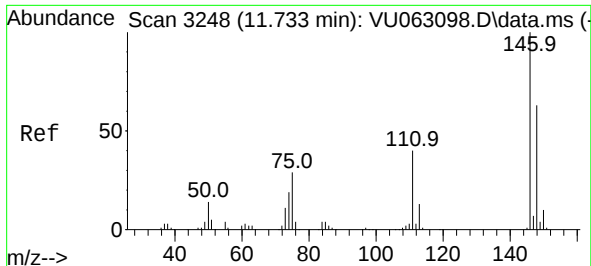
Tgt Ion:105 Resp: 980892

Ion Ratio Lower Upper

105 100

120 44.1 35.8 53.6





#64

1,3-Dichlorobenzene

Concen: 197.458 ug/L

RT: 11.736 min Scan# 3248

Delta R.T. 0.003 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

Instrument :

MSVOA_U

ClientSampleId :

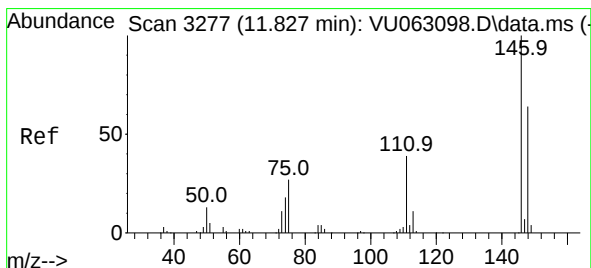
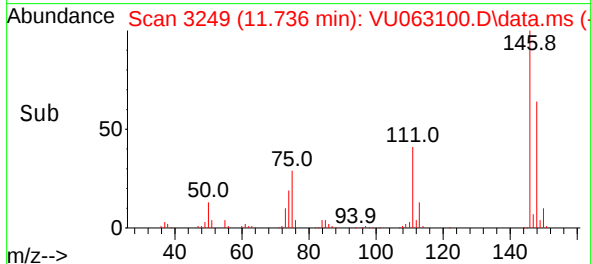
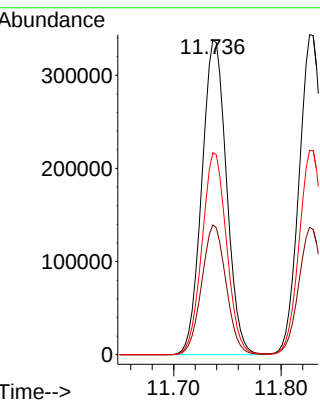
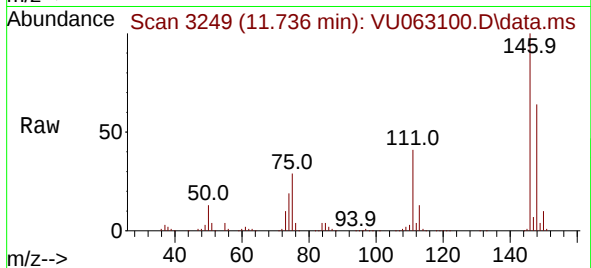
Tgt Ion:146 Resp: 539221

Ion Ratio Lower Upper

146 100

111 41.2 28.1 52.3

148 64.2 43.9 81.5



#65

1,4-Dichlorobenzene

Concen: 197.861 ug/L

RT: 11.826 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

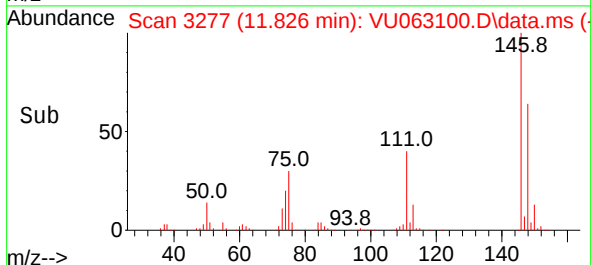
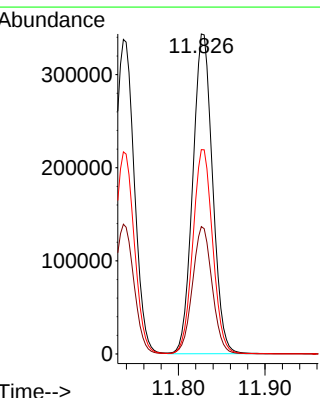
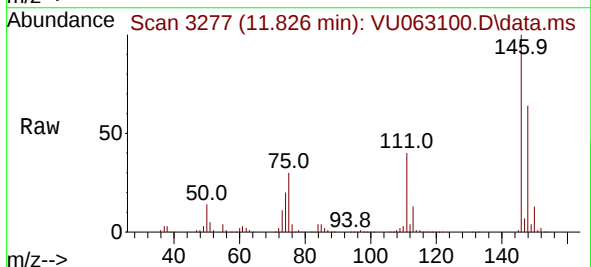
Tgt Ion:146 Resp: 544146

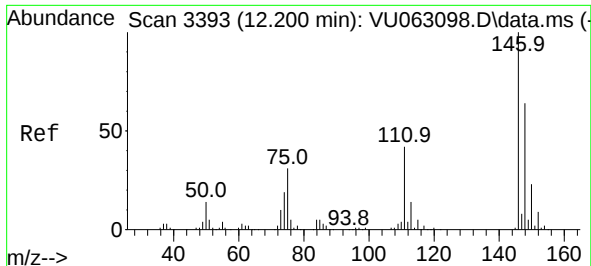
Ion Ratio Lower Upper

146 100

111 39.8 27.2 50.6

148 63.9 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 193.114 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

Instrument :

MSVOA_U

ClientSampleId :

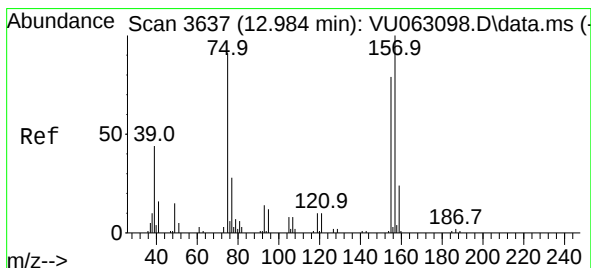
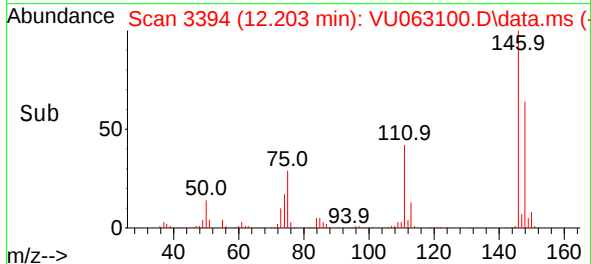
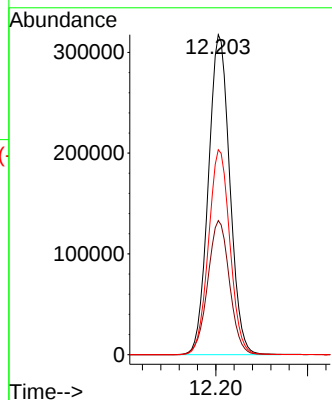
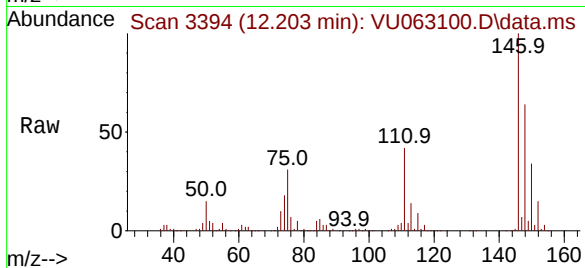
Tgt Ion:146 Resp: 514537

Ion Ratio Lower Upper

146 100

111 41.9 33.6 50.4

148 64.1 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 192.221 ug/L

RT: 12.984 min Scan# 3637

Delta R.T. -0.000 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

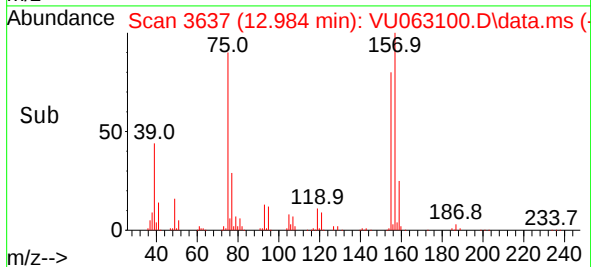
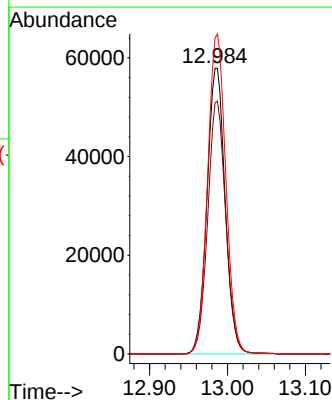
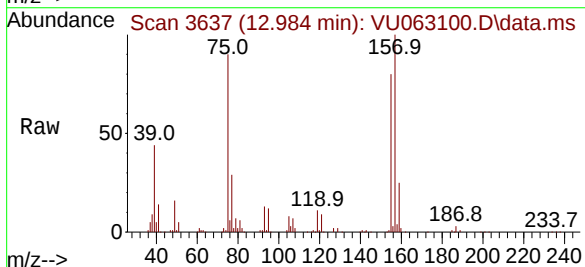
Tgt Ion: 75 Resp: 93848

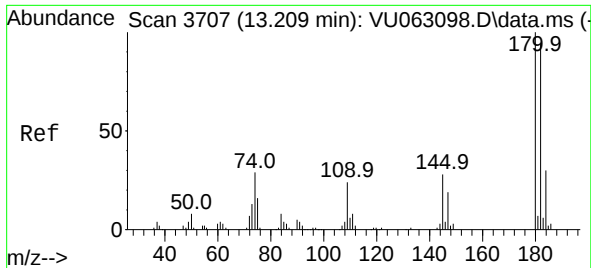
Ion Ratio Lower Upper

75 100

155 87.9 69.4 104.0

157 110.6 91.4 137.0





#69

1,3,5-Trichlorobenzene

Concen: 194.541 ug/L

RT: 13.209 min Scan# 31

Delta R.T. -0.000 min

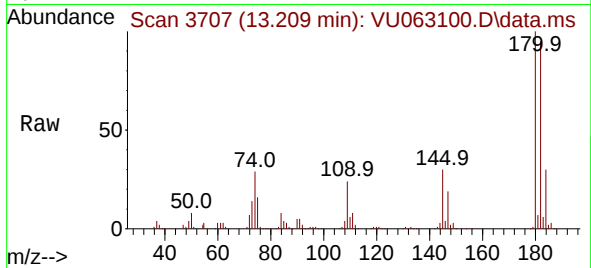
Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 356564

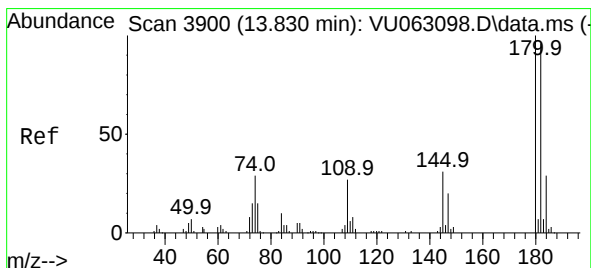
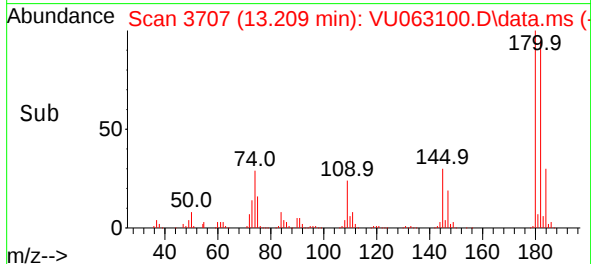
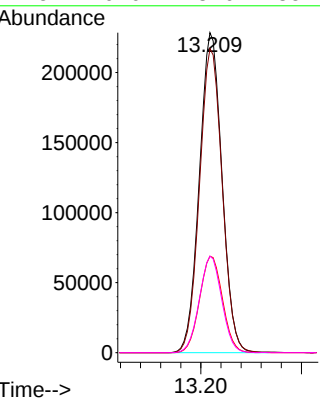
Ion Ratio Lower Upper

180 100

182 95.4 76.3 114.5

184 30.5 24.5 36.7

145 29.9 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 223.490 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. -0.000 min

Lab File: VU063100.D

Acq: 30 Jan 2025 15:07

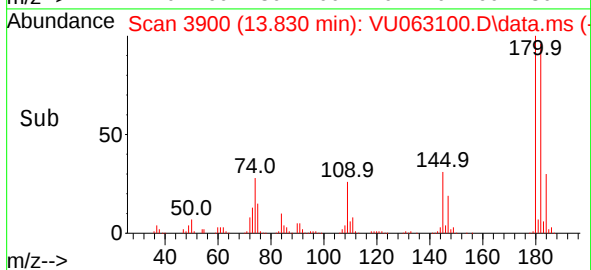
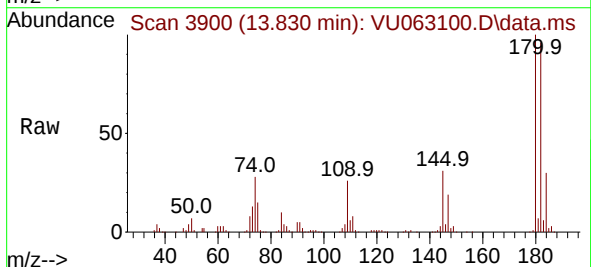
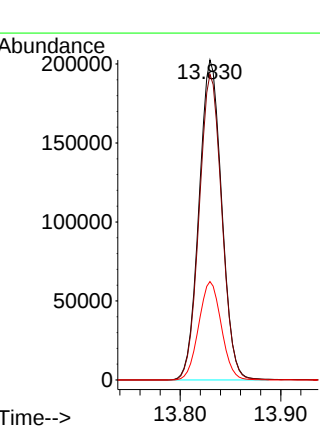
Tgt Ion:180 Resp: 317253

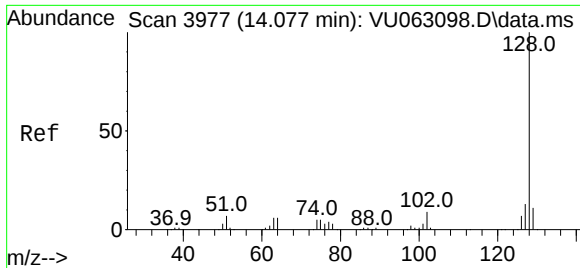
Ion Ratio Lower Upper

180 100

182 95.5 75.5 113.3

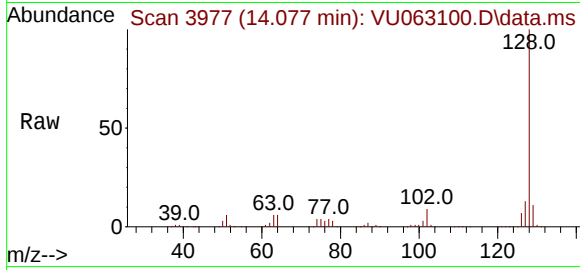
145 30.6 24.6 36.8



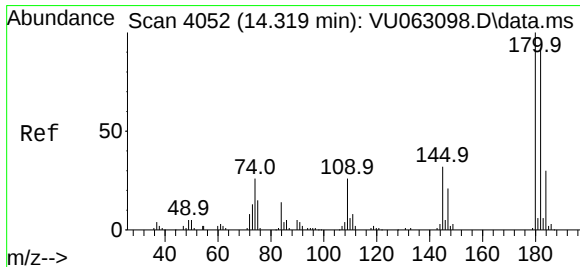
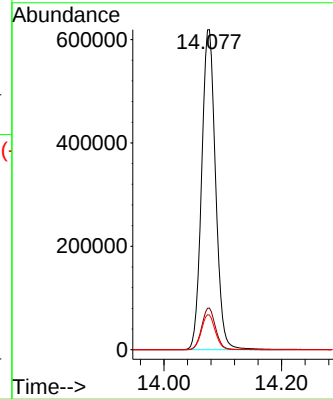
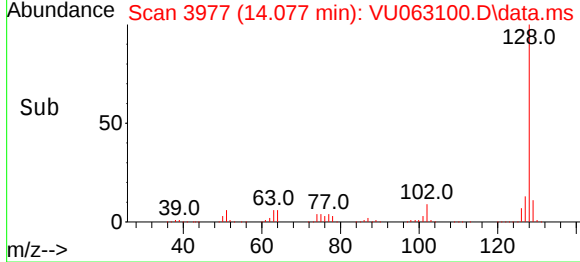


#71
Naphthalene
Concen: 265.511 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.000 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07

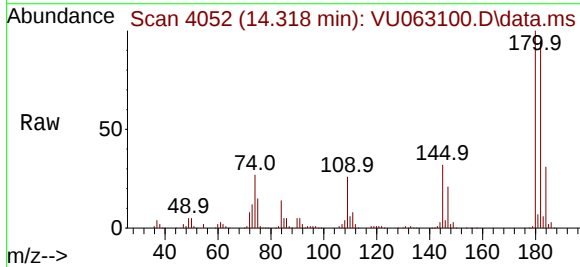
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 1016282
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.9 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 224.713 ug/L
RT: 14.318 min Scan# 4052
Delta R.T. -0.000 min
Lab File: VU063100.D
Acq: 30 Jan 2025 15:07



Tgt Ion:180 Resp: 302522
Ion Ratio Lower Upper
180 100
182 94.3 75.2 112.8
145 32.0 25.6 38.4

