

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013025\
 Data File : VU063098.D
 Acq On : 30 Jan 2025 14:18
 Operator : MD/SY
 Sample : VSTD050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 31 07:30:39 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	175848	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	147667	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	74310	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	57592	50.197	ug/L	0.00
7) Chloroethane-d5	1.898	69	42775	46.548	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	100439	43.658	ug/L	0.00
21) 2-Butanone-d5	4.605	46	78508	144.132	ug/L	0.00
24) Chloroform-d	5.046	84	114333	43.941	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.685	65	65095	38.389	ug/L	0.00
32) Benzene-d6	5.711	84	241084	57.881	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.676	67	80233	64.856	ug/L	0.00
41) Toluene-d8	7.885	98	203663	52.059	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.168	79	34466	50.781	ug/L	0.00
47) 2-Hexanone-d5	8.618	63	61935	149.838	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.743	84	108030	59.041	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.180	152	72997	49.842	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.377	85	60577	37.229	ug/L	100
3) Chloromethane	1.518	50	61890	51.744	ug/L	100
5) Vinyl chloride	1.599	62	65045	50.933	ug/L	100
6) Bromomethane	1.837	94	27743	31.277	ug/L	100
8) Chloroethane	1.917	64	36187	46.944	ug/L	100
9) Trichlorofluoromethane	2.126	101	83233	35.245	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	54989	45.587	ug/L	100
12) 1,1-Dichloroethene	2.567	96	53612	49.375	ug/L	100
13) Acetone	2.612	43	42429	88.866	ug/L	100
14) Carbon disulfide	2.779	76	164936	50.647	ug/L	100
15) Methyl Acetate	2.933	43	53646	57.487	ug/L	100
16) Methylene chloride	3.030	84	62007	51.181	ug/L	100
17) trans-1,2-Dichloroethene	3.338	96	55732	49.342	ug/L	100
18) Methyl tert-butyl Ether	3.348	73	172901	44.588	ug/L	100
19) 1,1-Dichloroethane	3.853	63	102434	49.780	ug/L	100
20) cis-1,2-Dichloroethene	4.650	96	64109	50.684	ug/L	100
22) 2-Butanone	4.682	43	75002	116.074	ug/L	100
23) Bromochloromethane	4.959	128	32908	46.459	ug/L	100
25) Chloroform	5.071	83	106542	43.950	ug/L	100
27) 1,2-Dichloroethane	5.779	62	75050	37.288	ug/L	100
29) Cyclohexane	5.374	56	95061	62.495	ug/L	100
30) 1,1,1-Trichloroethane	5.300	97	88527	42.869	ug/L	100
31) Carbon tetrachloride	5.509	117	78840	41.510	ug/L	100
33) Benzene	5.759	78	251234	57.975	ug/L	100
34) Trichloroethene	6.528	95	65246	49.724	ug/L	100
35) Methylcyclohexane	6.750	83	104786	60.113	ug/L	100
37) 1,2-Dichloropropane	6.775	63	67800	63.698	ug/L	100
38) Bromodichloromethane	7.091	83	79055	46.973	ug/L	100
39) cis-1,3-Dichloropropene	7.595	75	99456	53.462	ug/L	100
40) 4-Methyl-2-pentanone	7.775	43	149382	126.552	ug/L	100
42) Toluene	7.955	91	246472	53.375	ug/L	100
44) trans-1,3-Dichloropropene	8.197	75	93880	51.314	ug/L	100

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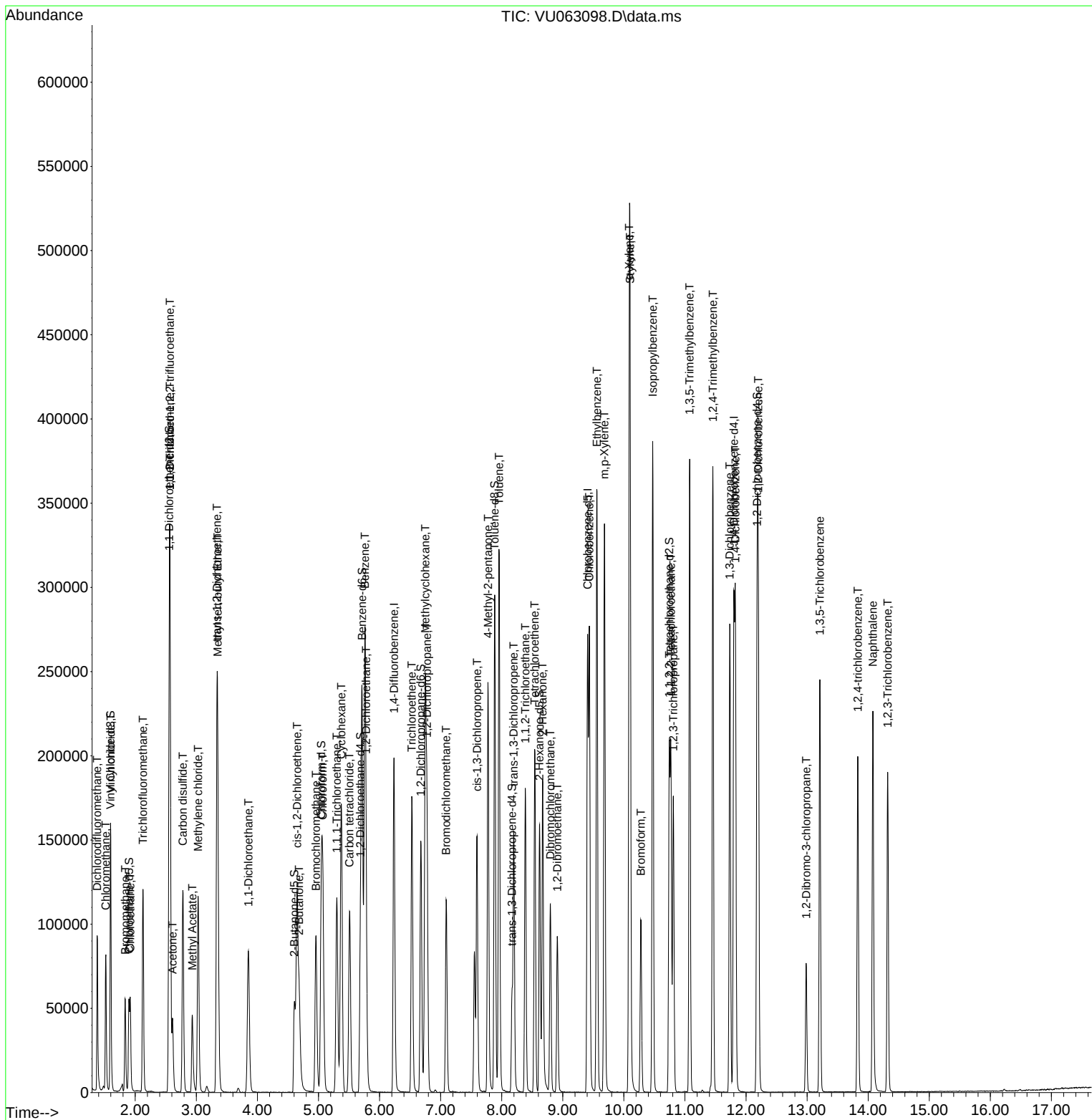
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 ClientSampleId :

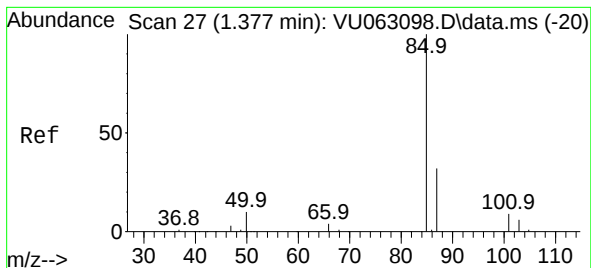
Quant Time: Jan 31 07:30:39 2025
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 Quant Title : VOC Analysis
 QLast Update : Fri Jan 31 07:29:09 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.386	97	58614	51.780	ug/L	100
46) Tetrachloroethene	8.541	164	46863	49.393	ug/L	100
48) 2-Hexanone	8.669	43	110218	122.964	ug/L	100
49) Dibromochloromethane	8.798	129	59870	45.128	ug/L	100
50) 1,2-Dibromoethane	8.910	107	64728	50.891	ug/L	100
51) Chlorobenzene	9.435	112	150189	50.205	ug/L	100
52) Ethylbenzene	9.560	91	263147	50.372	ug/L	100
53) m,p-Xylene	9.682	106	99985	51.490	ug/L	100
54) o-Xylene	10.087	106	99163	52.459	ug/L	100
55) Styrene	10.103	104	167874	52.116	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.769	83	104994	58.485	ug/L	100
59) Bromoform	10.280	173	48056	47.217	ug/L	100
60) 1,2,3-Trichloropropane	10.811	75	77458	54.669	ug/L	100
61) Isopropylbenzene	10.473	105	256793	51.813	ug/L	100
62) 1,3,5-Trimethylbenzene	11.078	105	209464	49.280	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	208189	49.970	ug/L	100
64) 1,3-Dichlorobenzene	11.733	146	117771	50.178	ug/L	100
65) 1,4-Dichlorobenzene	11.827	146	118314	50.055	ug/L	100
67) 1,2-Dichlorobenzene	12.200	146	115192	50.302	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.984	75	20860	49.711	ug/L	100
69) 1,3,5-Trichlorobenzene	13.209	180	79362	50.379	ug/L	100
70) 1,2,4-trichlorobenzene	13.830	180	64268	52.676	ug/L	100
71) Naphthalene	14.077	128	191828	58.310	ug/L	100
72) 1,2,3-Trichlorobenzene	14.319	180	62024	53.604	ug/L	100

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

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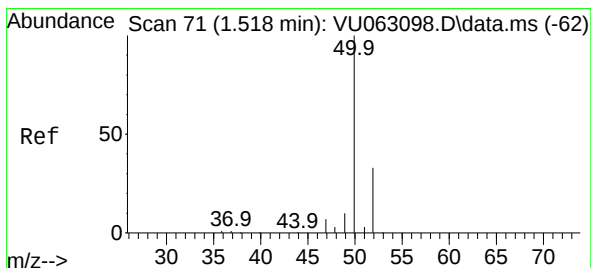
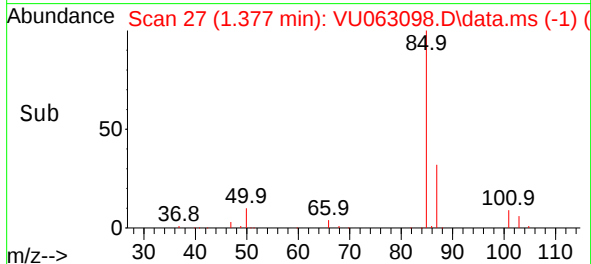
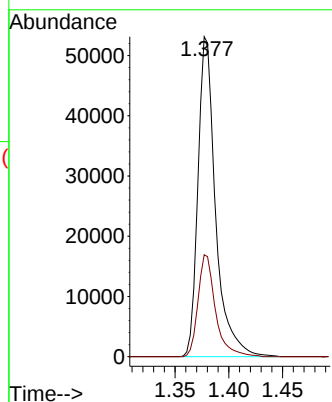
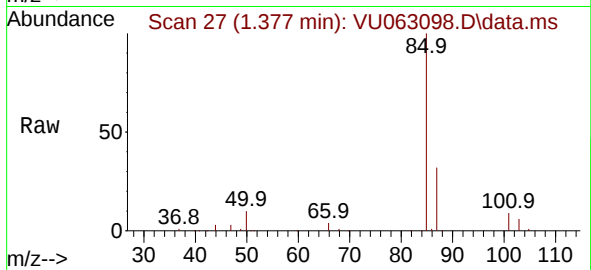




#2
 Dichlorodifluoromethane
 Concen: 37.229 ug/L
 RT: 1.377 min Scan# 27
 Delta R.T. 0.000 min
 Lab File: VU063098.D
 Acq: 30 Jan 2025 14:18

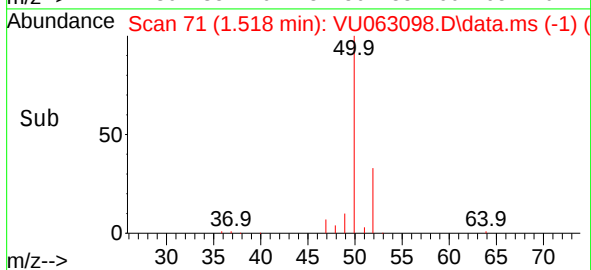
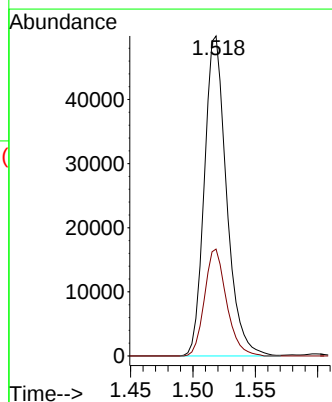
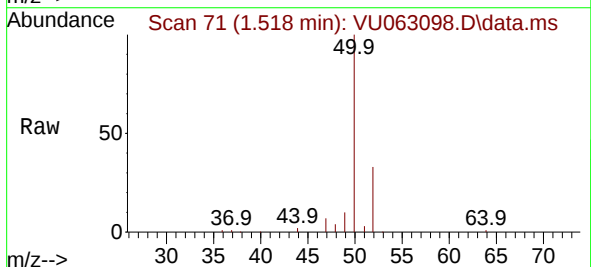
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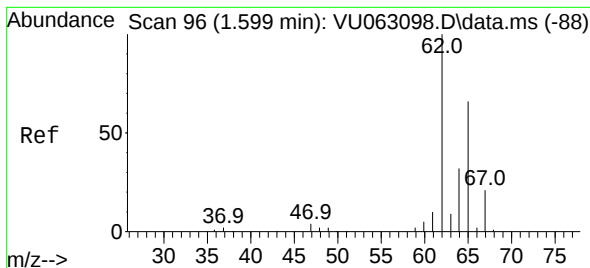
Tgt Ion: 85 Resp: 60577
 Ion Ratio Lower Upper
 85 100
 87 31.5 25.2 37.8



#3
 Chloromethane
 Concen: 51.744 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU063098.D
 Acq: 30 Jan 2025 14:18

Tgt Ion: 50 Resp: 61890
 Ion Ratio Lower Upper
 50 100
 52 33.4 23.4 43.4





#5

Vinyl chloride

Concen: 50.933 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU063098.D

Acq: 30 Jan 2025 14:18

Instrument :

MSVOA_U

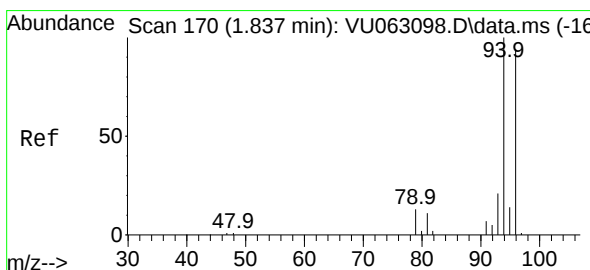
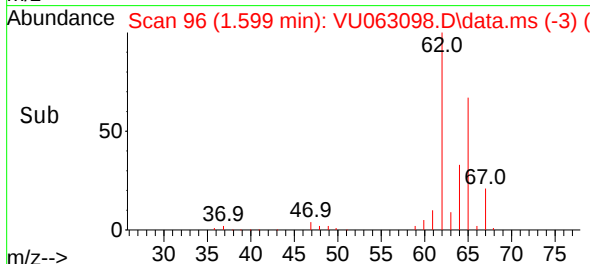
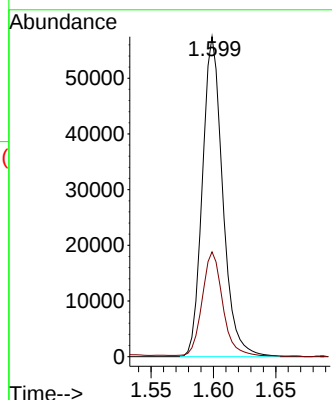
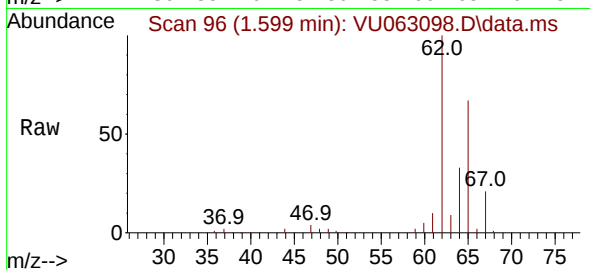
ClientSampleId :

Tgt Ion: 62 Resp: 65045

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



#6

Bromomethane

Concen: 31.277 ug/L

RT: 1.837 min Scan# 170

Delta R.T. 0.000 min

Lab File: VU063098.D

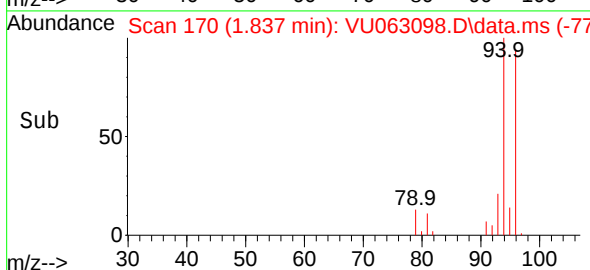
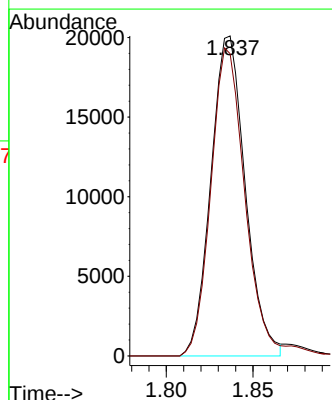
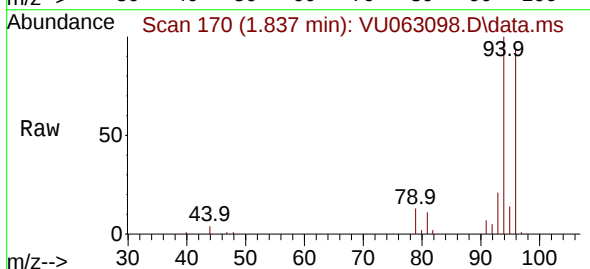
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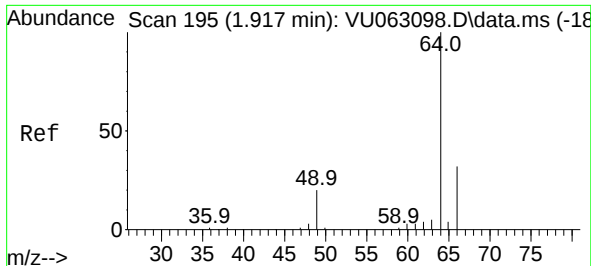
Tgt Ion: 94 Resp: 27743

Ion Ratio Lower Upper

94 100

96 94.5 66.1 122.8

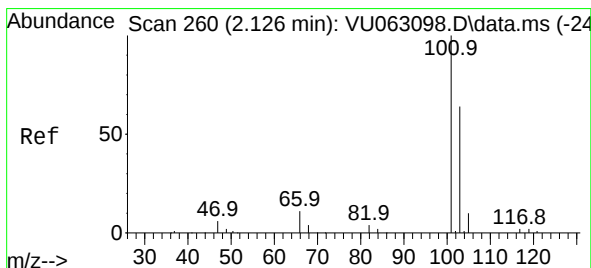
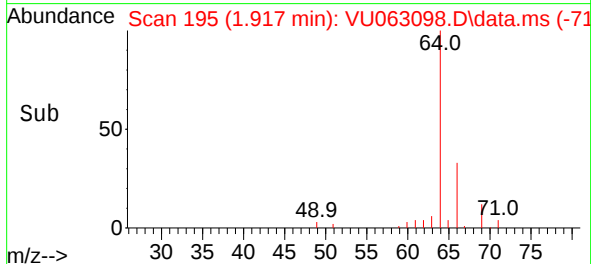
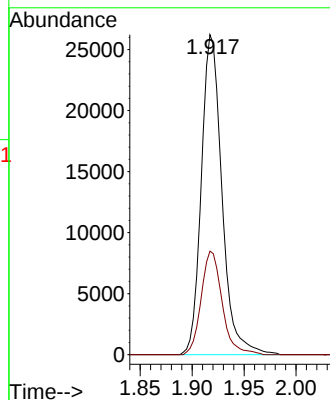
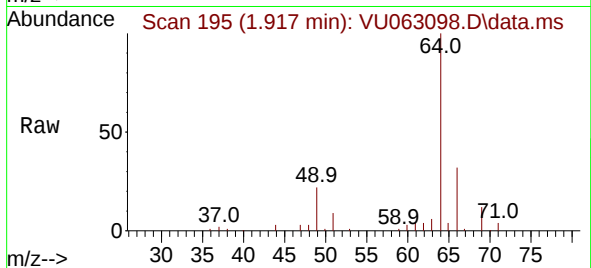




#8
Chloroethane
Concen: 46.944 ug/L
RT: 1.917 min Scan# 195
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

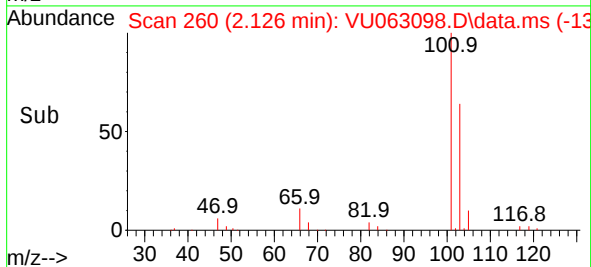
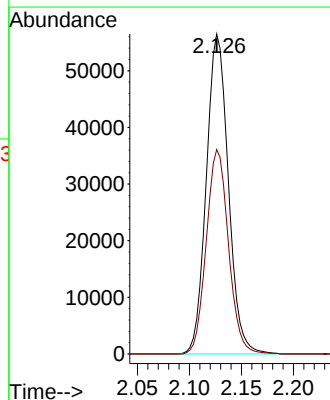
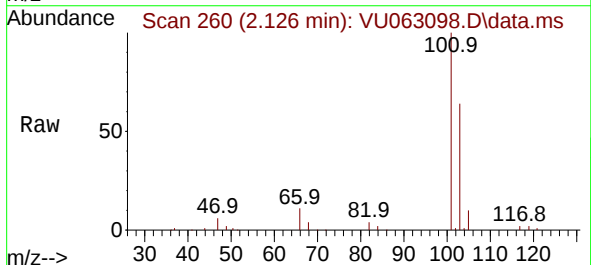
Instrument :
MSVOA_U
ClientSampleId :

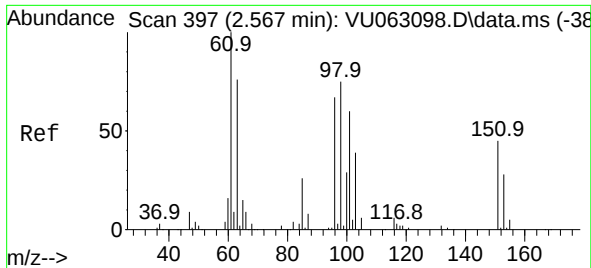
Tgt Ion: 64 Resp: 36187
Ion Ratio Lower Upper
64 100
66 32.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 35.245 ug/L
RT: 2.126 min Scan# 260
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

Tgt Ion:101 Resp: 83233
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2

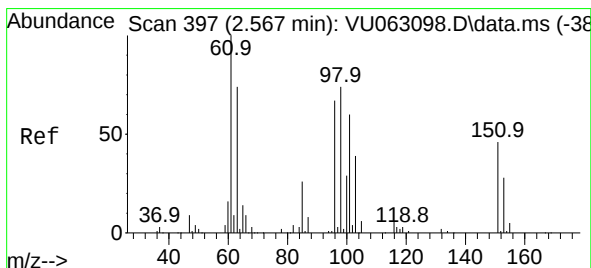
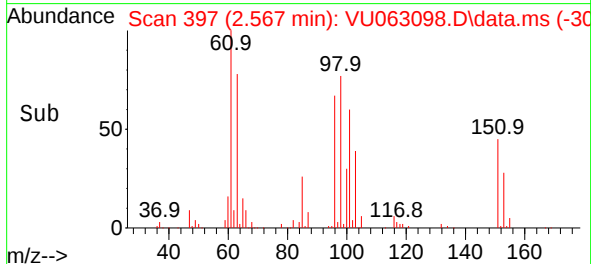
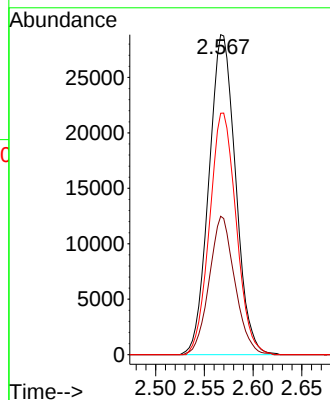
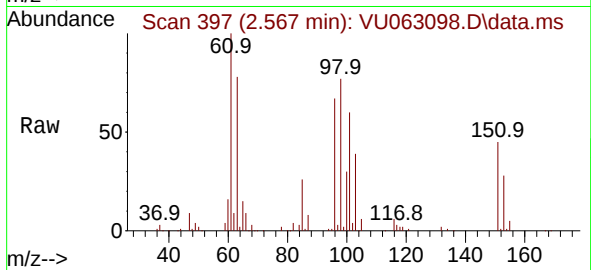




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 45.587 ug/L
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

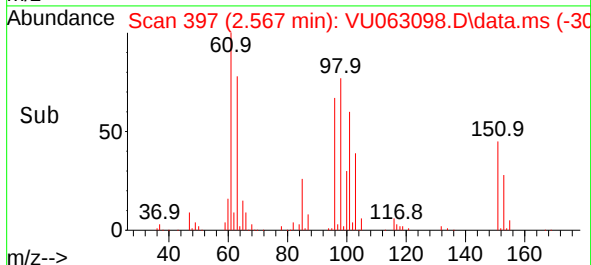
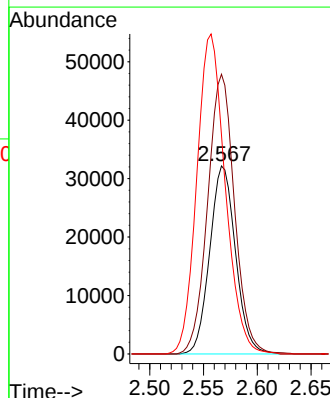
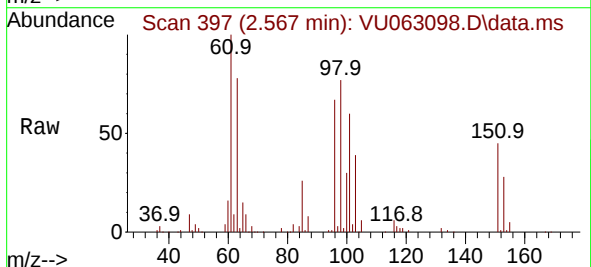
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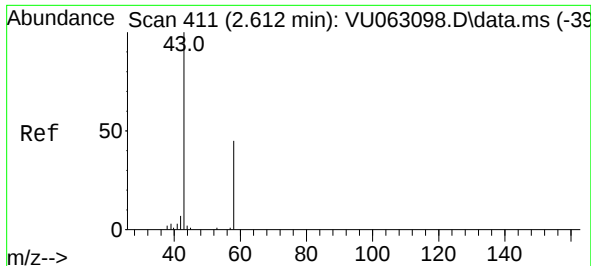
Tgt Ion:101 Resp: 54989
Ion Ratio Lower Upper
101 100
85 41.5 33.2 49.8
151 75.5 60.4 90.6



#12
1,1-Dichloroethene
Concen: 49.375 ug/L
RT: 2.567 min Scan# 397
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

Tgt Ion: 96 Resp: 53612
Ion Ratio Lower Upper
96 100
61 148.8 104.2 193.4
63 116.5 81.5 151.5





#13

Acetone

Concen: 88.866 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU063098.D

Acq: 30 Jan 2025 14:18

Instrument :

MSVOA_U

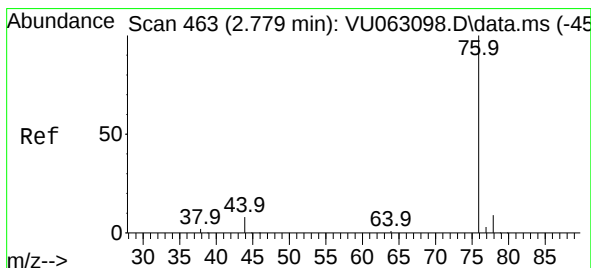
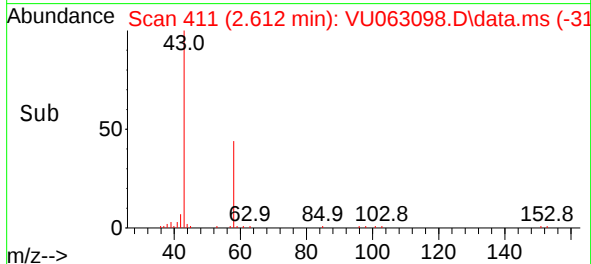
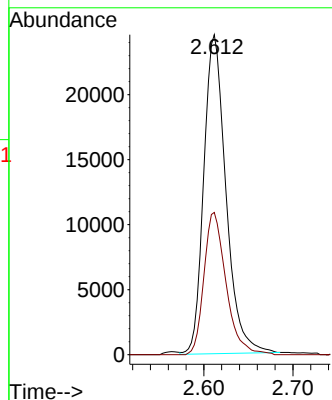
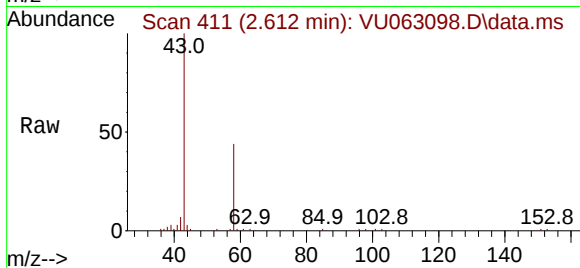
ClientSampleId :

Tgt Ion: 43 Resp: 42429

Ion Ratio Lower Upper

43 100

58 44.4 0.0 88.8



#14

Carbon disulfide

Concen: 50.647 ug/L

RT: 2.779 min Scan# 463

Delta R.T. 0.000 min

Lab File: VU063098.D

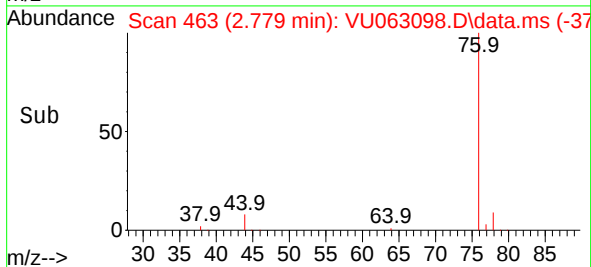
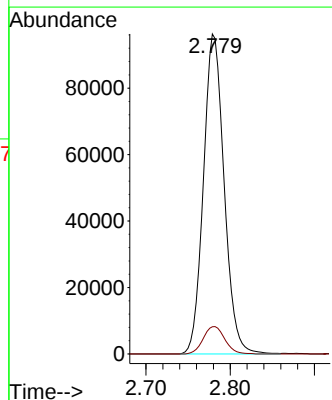
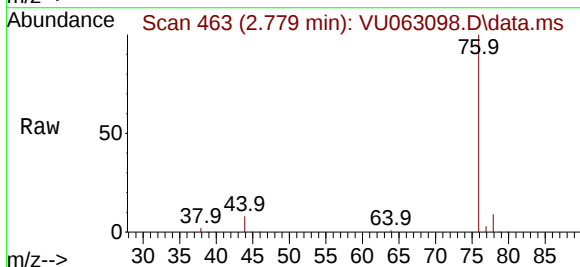
Acq: 30 Jan 2025 14:18

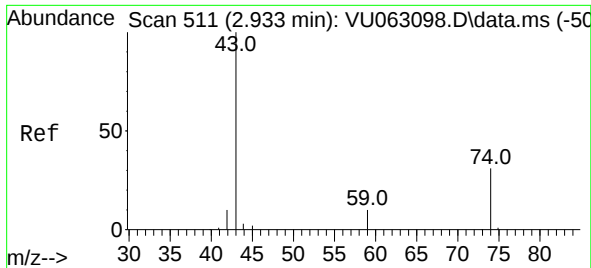
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Ion Ratio Lower Upper

76 100

78 8.5 6.8 10.2





#15

Methyl Acetate

Concen: 57.487 ug/L

RT: 2.933 min Scan# 511

Delta R.T. 0.000 min

Lab File: VU063098.D

Acq: 30 Jan 2025 14:18

Instrument :

MSVOA_U

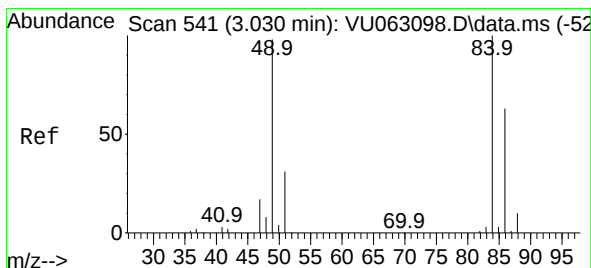
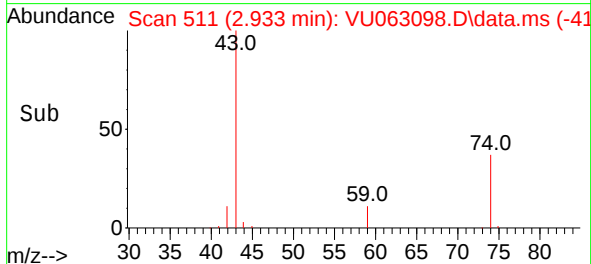
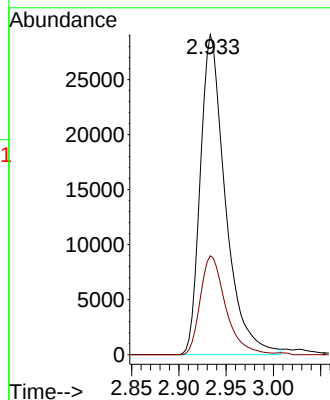
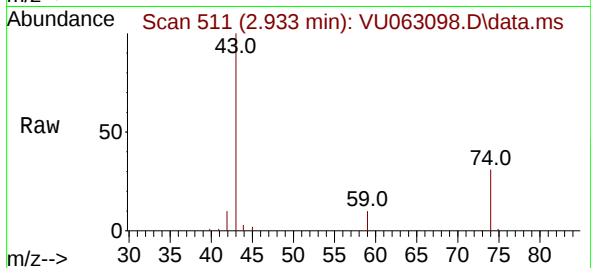
ClientSampleId :

Tgt Ion: 43 Resp: 53646

Ion Ratio Lower Upper

43 100

74 31.3 25.0 37.6



#16

Methylene chloride

Concen: 51.181 ug/L

RT: 3.030 min Scan# 541

Delta R.T. 0.000 min

Lab File: VU063098.D

Acq: 30 Jan 2025 14:18

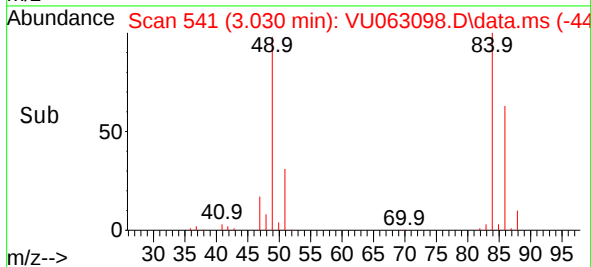
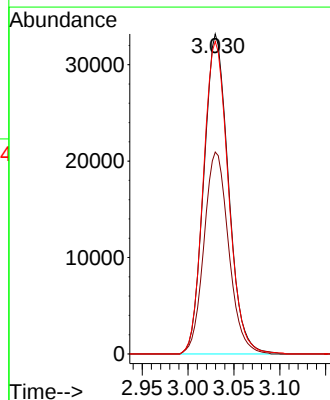
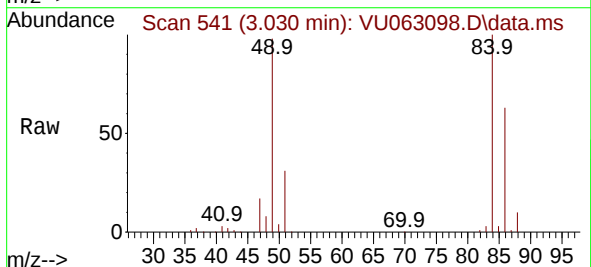
Tgt Ion: 84 Resp: 62007

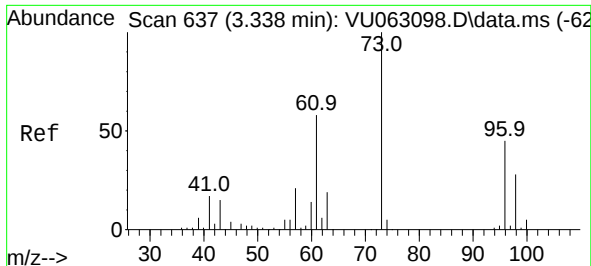
Ion Ratio Lower Upper

84 100

86 63.1 44.2 82.0

49 97.7 68.4 127.0





#17

trans-1,2-Dichloroethene

Concen: 49.342 ug/L

RT: 3.338 min Scan# 637

Delta R.T. 0.000 min

Lab File: VU063098.D

Acq: 30 Jan 2025 14:18

Instrument :

MSVOA_U

ClientSampleId :

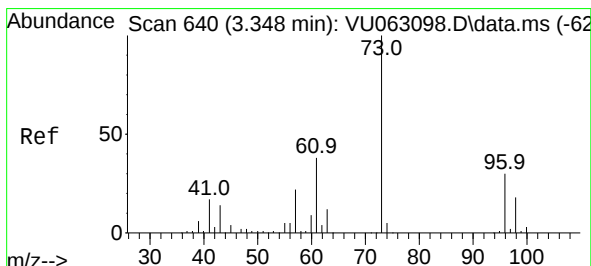
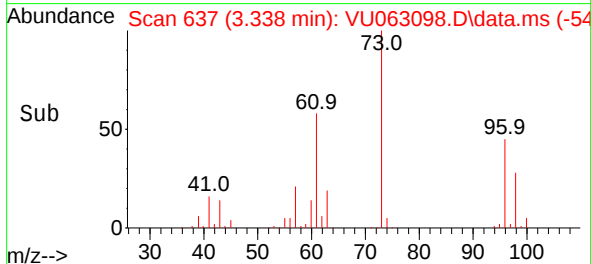
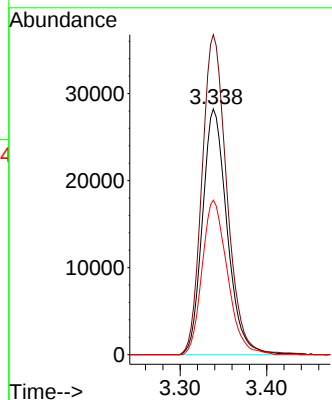
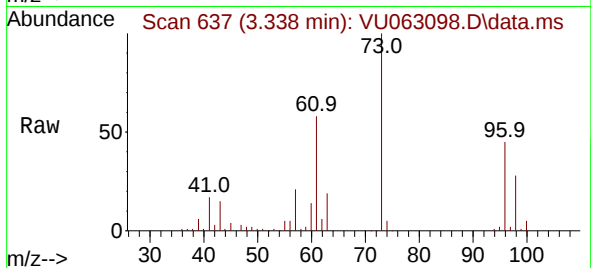
Tgt Ion: 96 Resp: 55732

Ion Ratio Lower Upper

96 100

61 130.2 91.1 169.3

98 62.9 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 44.588 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.000 min

Lab File: VU063098.D

Acq: 30 Jan 2025 14:18

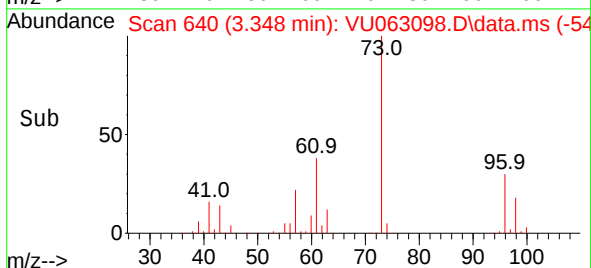
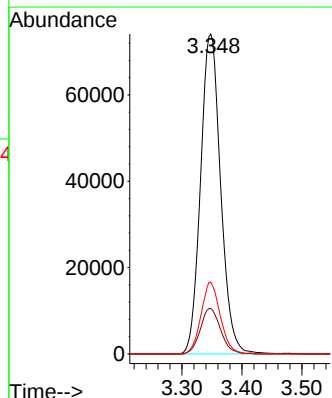
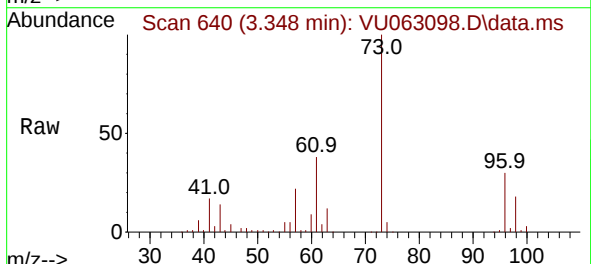
Tgt Ion: 73 Resp: 172901

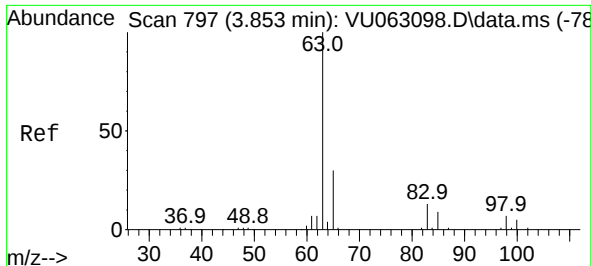
Ion Ratio Lower Upper

73 100

43 14.3 11.4 17.2

57 21.5 17.2 25.8

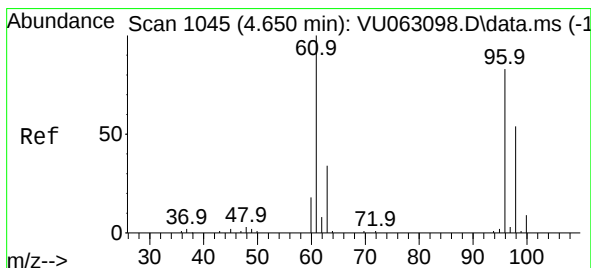
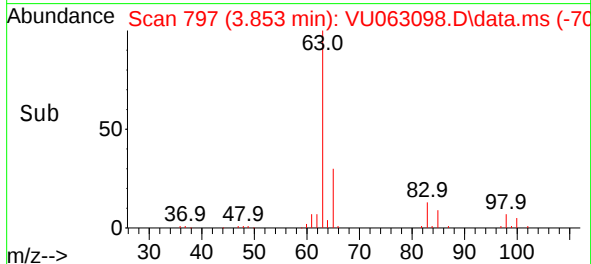
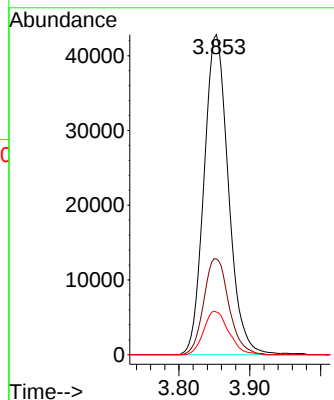
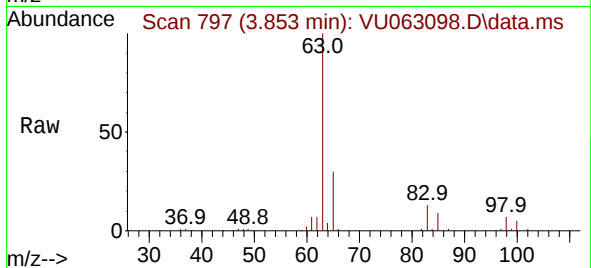




#19
1,1-Dichloroethane
Concen: 49.780 ug/L
RT: 3.853 min Scan# 797
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

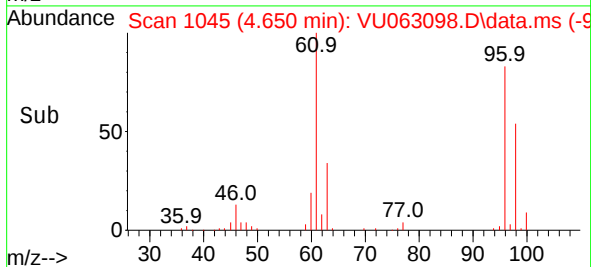
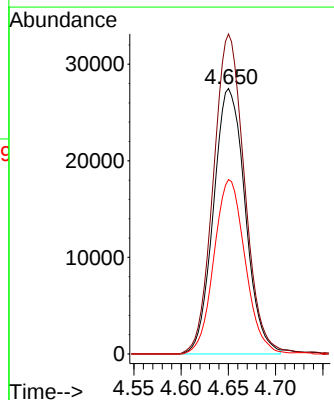
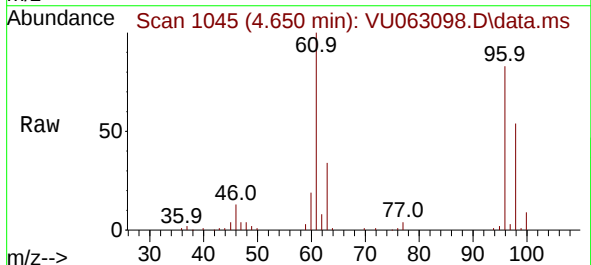
Instrument :
MSVOA_U
ClientSampleId :

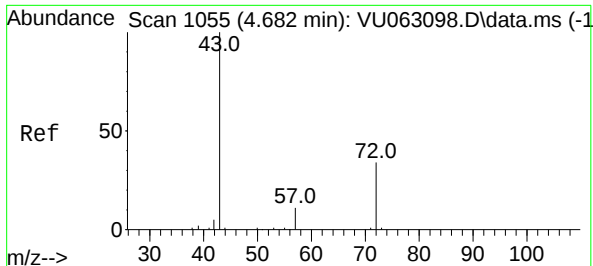
Tgt Ion: 63 Resp: 102434
Ion Ratio Lower Upper
63 100
65 29.9 20.9 38.9
83 13.3 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 50.684 ug/L
RT: 4.650 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

Tgt Ion: 96 Resp: 64109
Ion Ratio Lower Upper
96 100
61 120.6 84.4 156.8
98 65.7 46.0 85.4

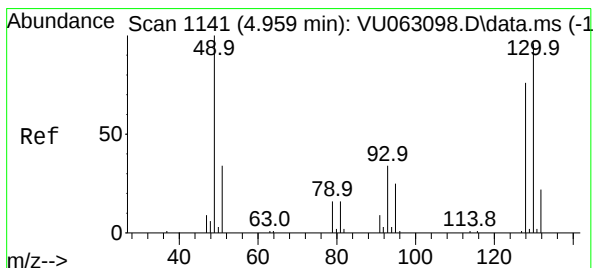
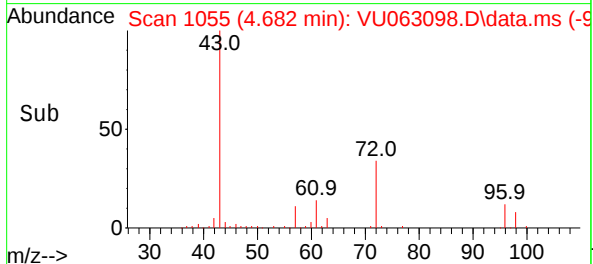
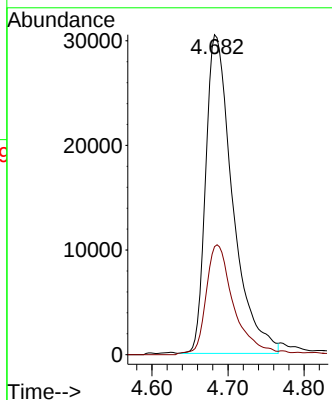
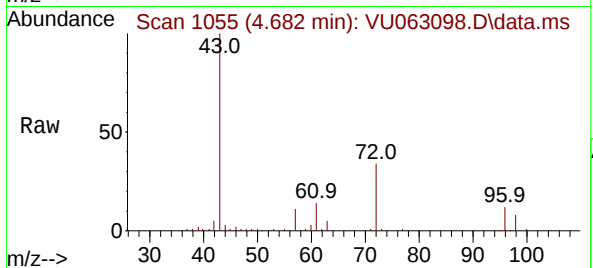




#22
2-Butanone
Concen: 116.074 ug/L
RT: 4.682 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

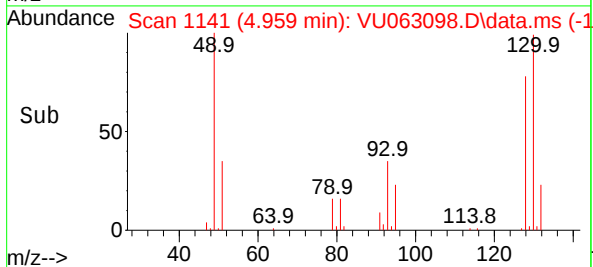
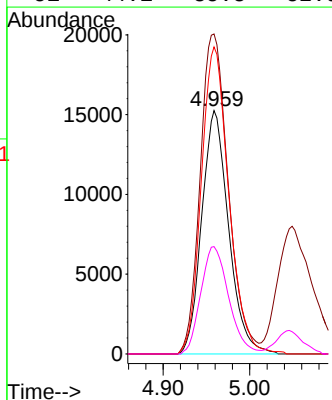
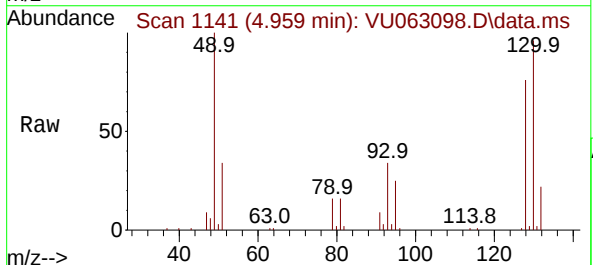
Instrument :
MSVOA_U
ClientSampleId :

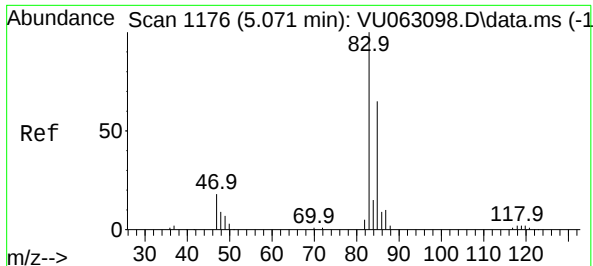
Tgt Ion: 43 Resp: 75002
Ion Ratio Lower Upper
43 100
72 35.1 17.5 52.6



#23
Bromochloromethane
Concen: 46.459 ug/L
RT: 4.959 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

Tgt Ion:128 Resp: 32908
Ion Ratio Lower Upper
128 100
49 131.5 92.0 170.9
130 126.2 88.3 164.1
51 44.1 35.3 52.9





#25

Chloroform

Concen: 43.950 ug/L

RT: 5.071 min Scan# 1176

Delta R.T. 0.000 min

Lab File: VU063098.D

Acq: 30 Jan 2025 14:18

Instrument :

MSVOA_U

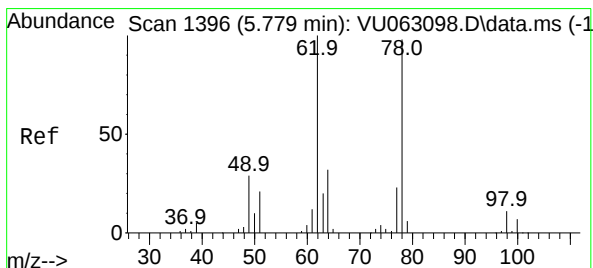
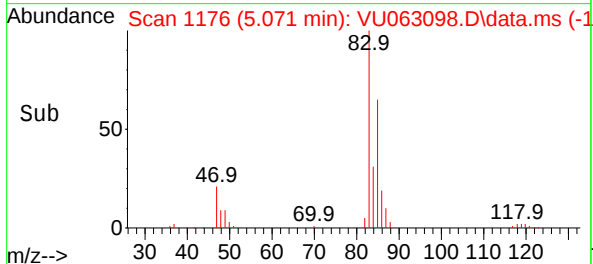
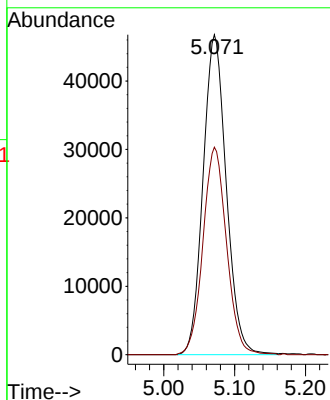
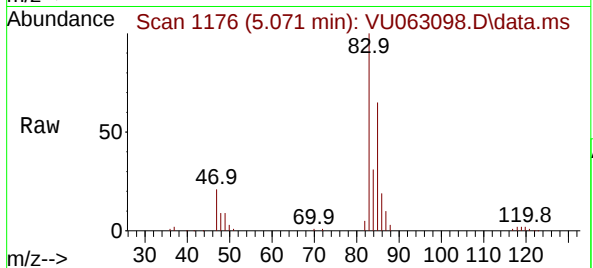
ClientSampleId :

Tgt Ion: 83 Resp: 106542

Ion Ratio Lower Upper

83 100

85 64.9 45.4 84.4



#27

1,2-Dichloroethane

Concen: 37.288 ug/L

RT: 5.779 min Scan# 1396

Delta R.T. 0.000 min

Lab File: VU063098.D

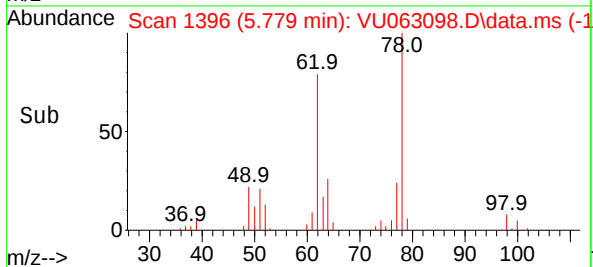
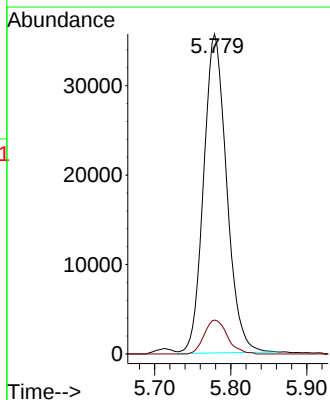
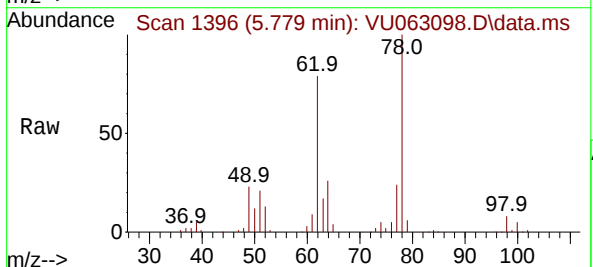
Acq: 30 Jan 2025 14:18

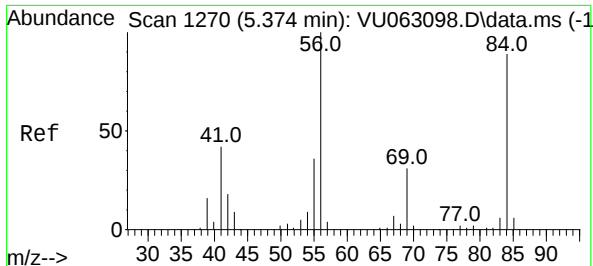
Tgt Ion: 62 Resp: 75050

Ion Ratio Lower Upper

62 100

98 10.6 8.5 12.7





#29

Cyclohexane

Concen: 62.495 ug/L

RT: 5.374 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VU063098.D

Acq: 30 Jan 2025 14:18

Instrument :

MSVOA_U

ClientSampleId :

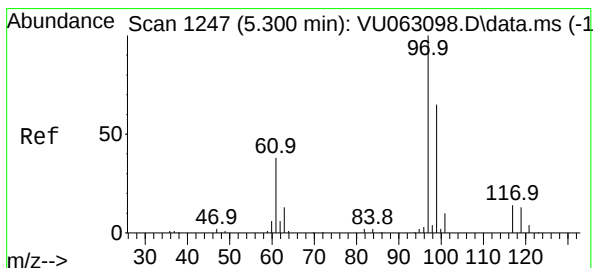
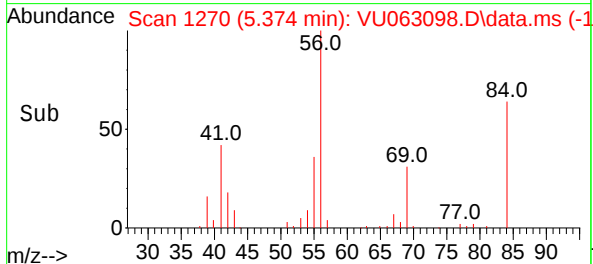
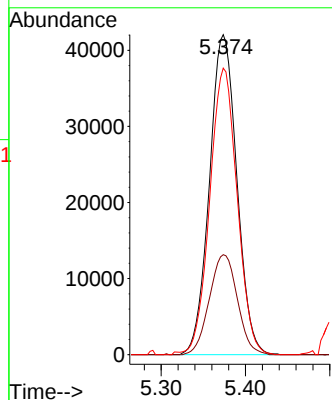
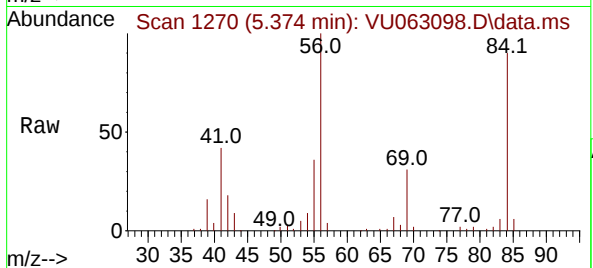
Tgt Ion: 56 Resp: 95061

Ion Ratio Lower Upper

56 100

69 32.0 25.6 38.4

84 89.5 71.6 107.4



#30

1,1,1-Trichloroethane

Concen: 42.869 ug/L

RT: 5.300 min Scan# 1247

Delta R.T. 0.000 min

Lab File: VU063098.D

Acq: 30 Jan 2025 14:18

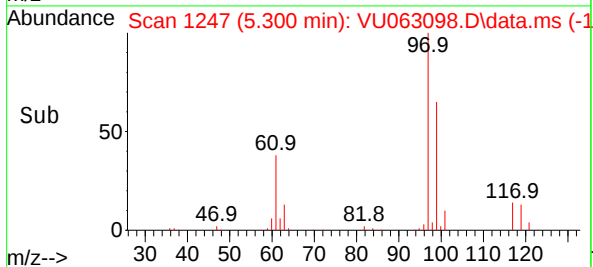
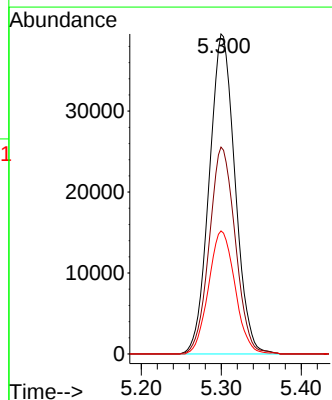
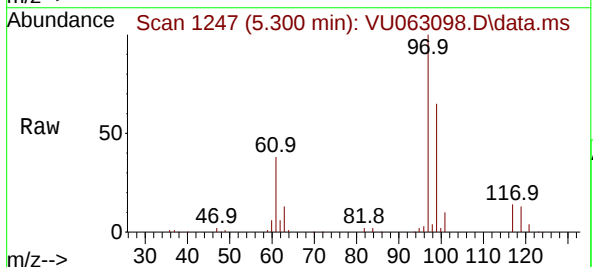
Tgt Ion: 97 Resp: 88527

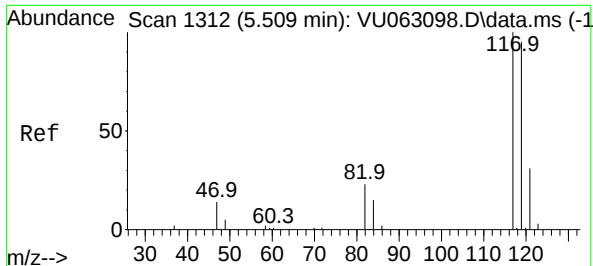
Ion Ratio Lower Upper

97 100

99 65.3 52.2 78.4

61 39.4 31.5 47.3

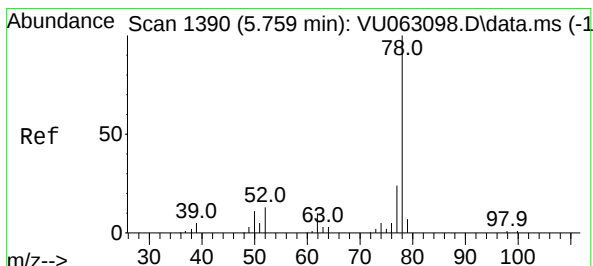
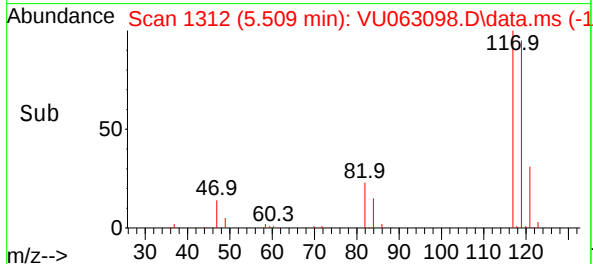
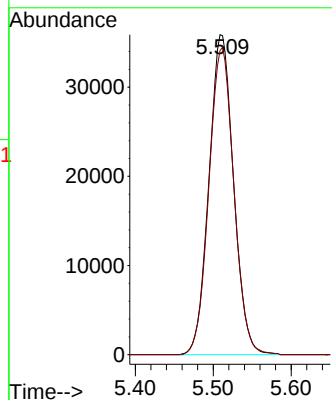
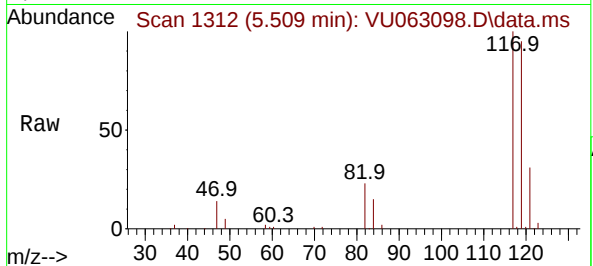




#31
Carbon tetrachloride
Concen: 41.510 ug/L
RT: 5.509 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

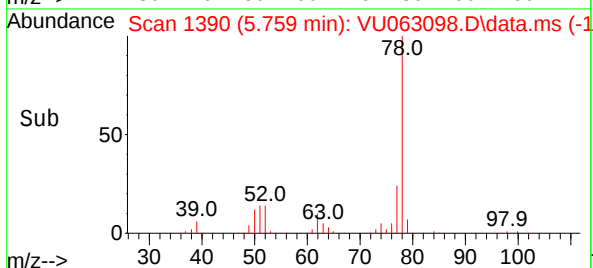
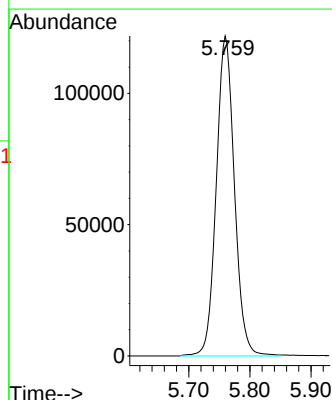
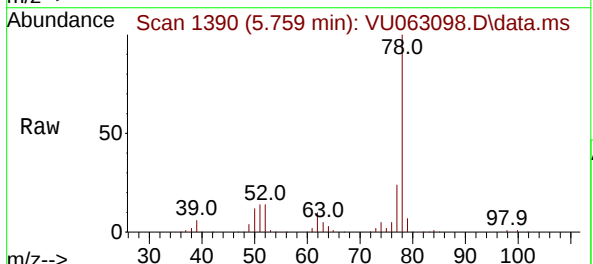
Instrument :
MSVOA_U
ClientSampleId :

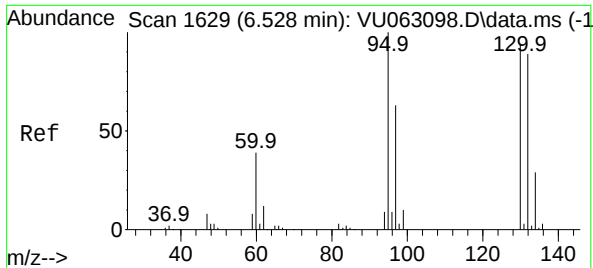
Tgt Ion:117 Resp: 78840
Ion Ratio Lower Upper
117 100
119 97.1 77.7 116.5



#33
Benzene
Concen: 57.975 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

Tgt Ion: 78 Resp: 251234

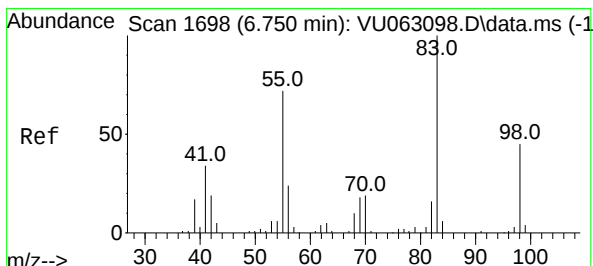
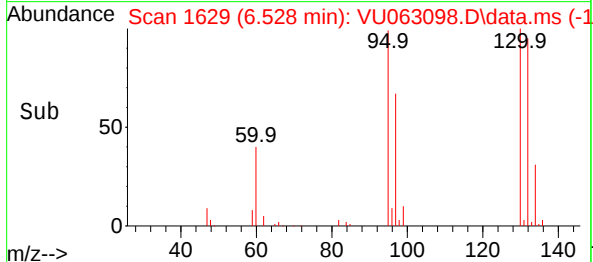
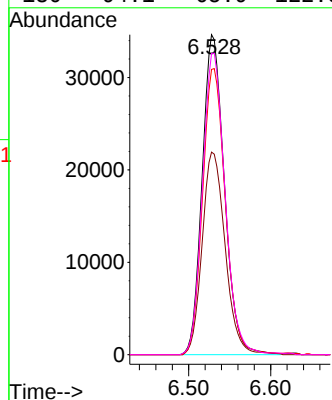
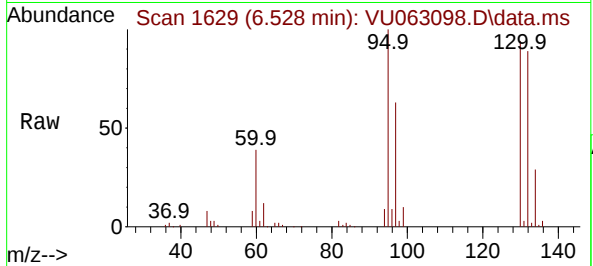




#34
Trichloroethene
Concen: 49.724 ug/L
RT: 6.528 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

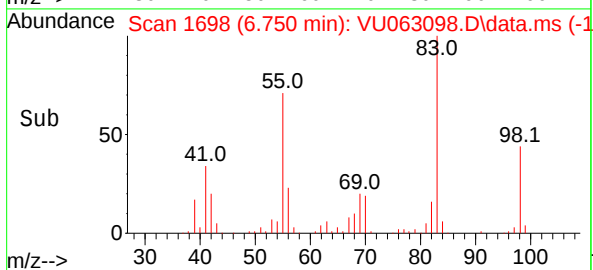
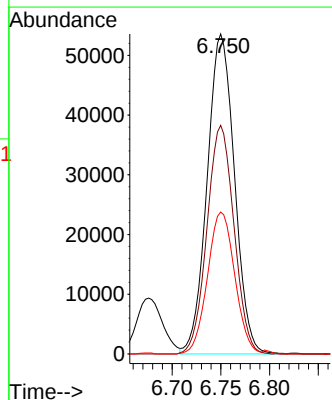
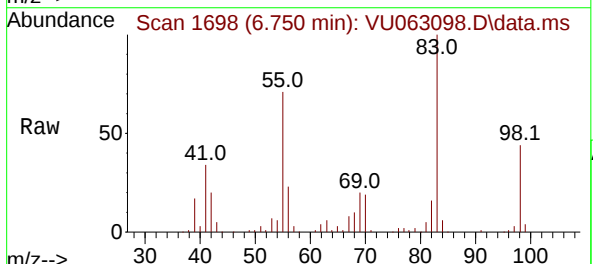
Instrument :
MSVOA_U
ClientSampleId :

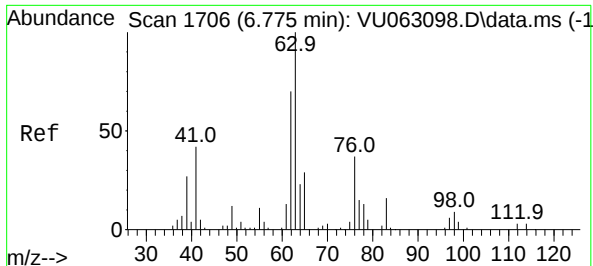
Tgt Ion: 95 Resp: 65246
Ion Ratio Lower Upper
95 100
97 63.3 44.3 82.3
132 89.2 62.4 116.0
130 94.1 65.9 122.3



#35
Methylcyclohexane
Concen: 60.113 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

Tgt Ion: 83 Resp: 104786
Ion Ratio Lower Upper
83 100
55 70.5 56.4 84.6
98 44.1 35.3 52.9

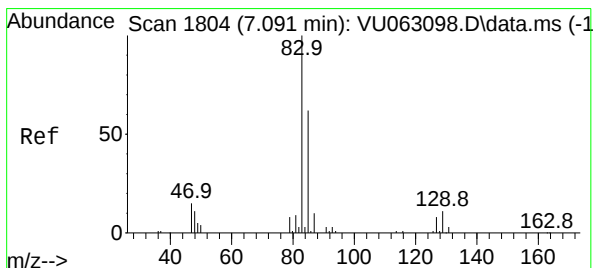
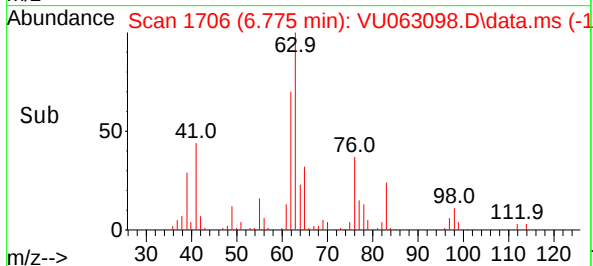
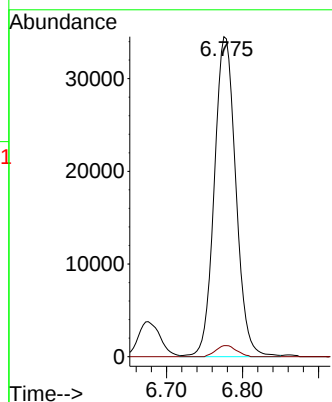
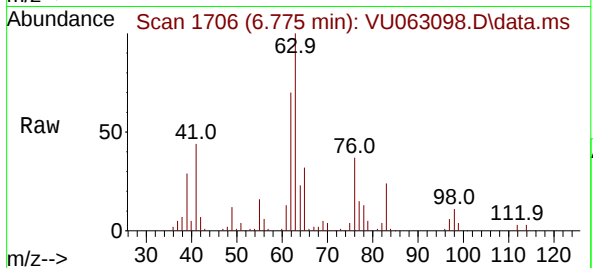




#37
1,2-Dichloropropane
Concen: 63.698 ug/L
RT: 6.775 min Scan# 1706
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

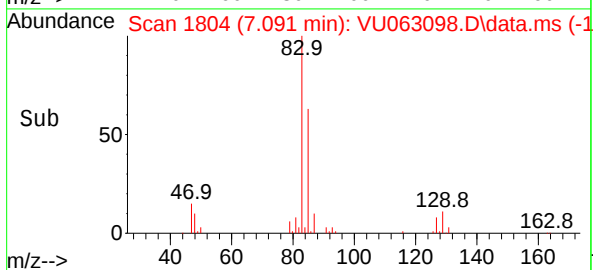
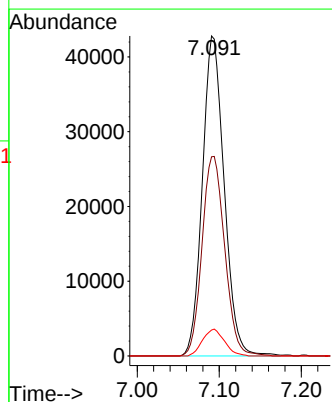
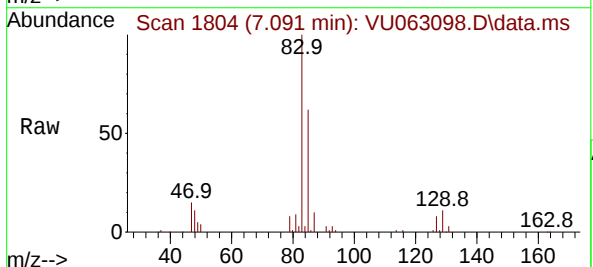
Instrument :
MSVOA_U
ClientSampleId :

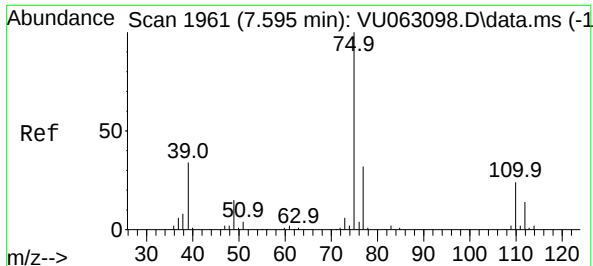
Tgt Ion: 63 Resp: 67800
Ion Ratio Lower Upper
63 100
112 3.3 2.6 4.0



#38
Bromodichloromethane
Concen: 46.973 ug/L
RT: 7.091 min Scan# 1804
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

Tgt Ion: 83 Resp: 79055
Ion Ratio Lower Upper
83 100
85 62.2 43.5 80.9
127 8.1 6.5 9.7

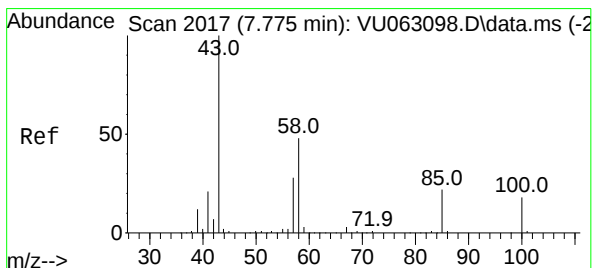
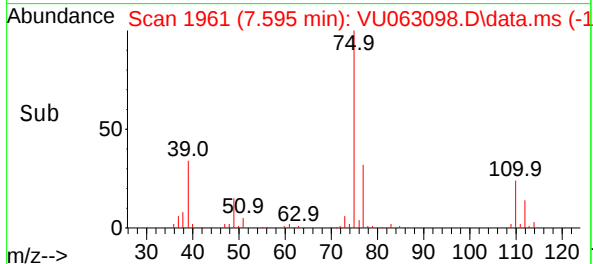
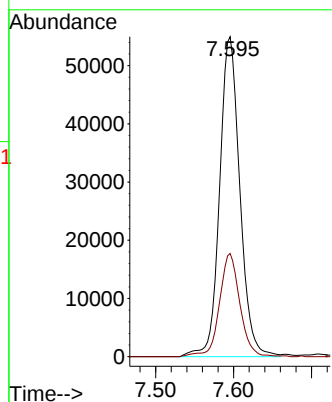
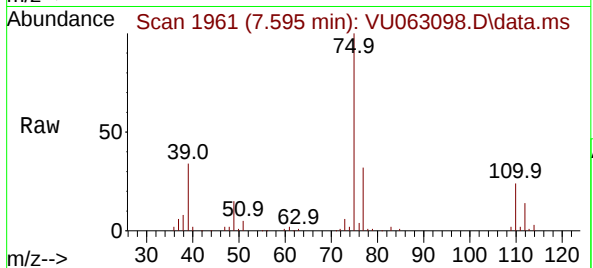




#39
 cis-1,3-Dichloropropene
 Concen: 53.462 ug/L
 RT: 7.595 min Scan# 1961
 Delta R.T. 0.000 min
 Lab File: VU063098.D
 Acq: 30 Jan 2025 14:18

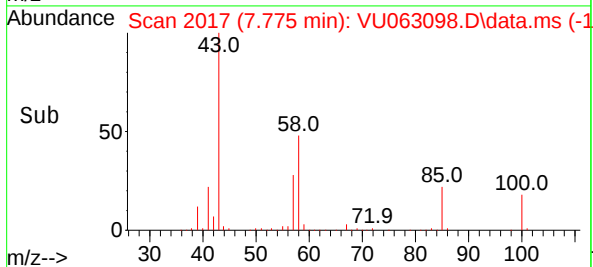
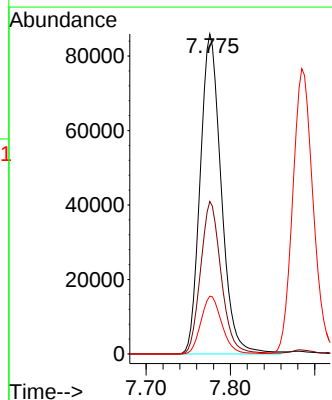
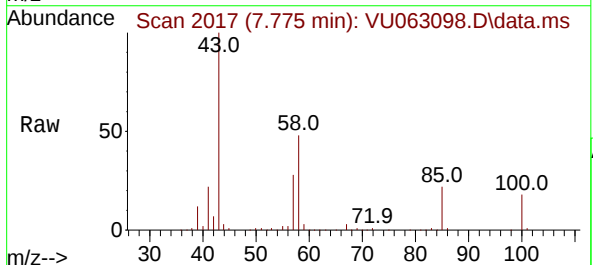
Instrument :
 MSVOA_U
 ClientSampleId :

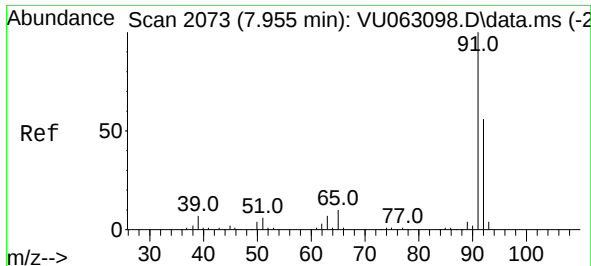
Tgt Ion: 75 Resp: 99456
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 126.552 ug/L
 RT: 7.775 min Scan# 2017
 Delta R.T. 0.000 min
 Lab File: VU063098.D
 Acq: 30 Jan 2025 14:18

Tgt Ion: 43 Resp: 149382
 Ion Ratio Lower Upper
 43 100
 58 46.9 37.5 56.3
 100 17.9 14.3 21.5





#42

Toluene

Concen: 53.375 ug/L

RT: 7.955 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VU063098.D

Acq: 30 Jan 2025 14:18

Instrument :

MSVOA_U

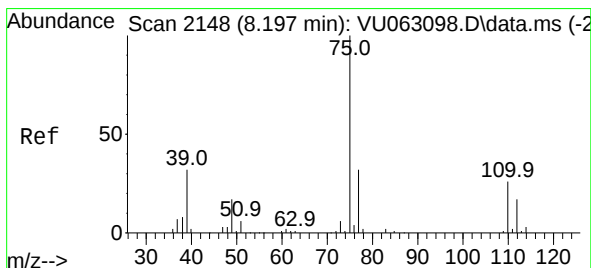
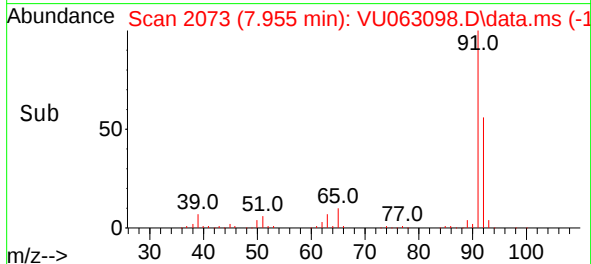
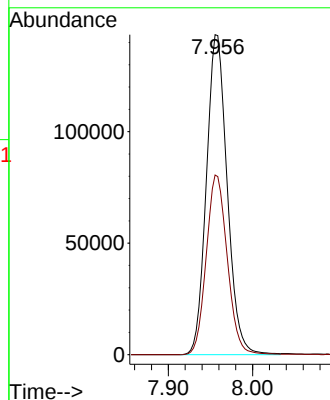
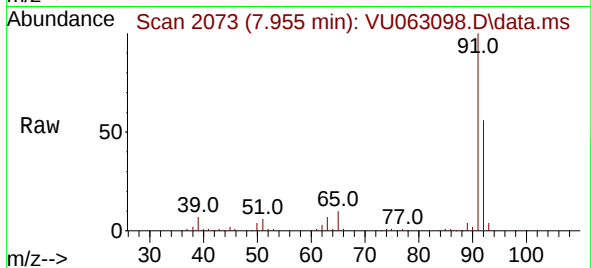
ClientSampleId :

Tgt Ion: 91 Resp: 246472

Ion Ratio Lower Upper

91 100

92 56.2 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 51.314 ug/L

RT: 8.197 min Scan# 2148

Delta R.T. 0.000 min

Lab File: VU063098.D

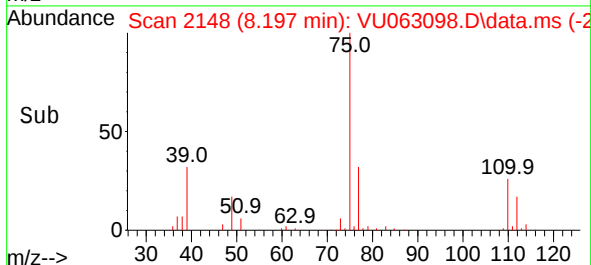
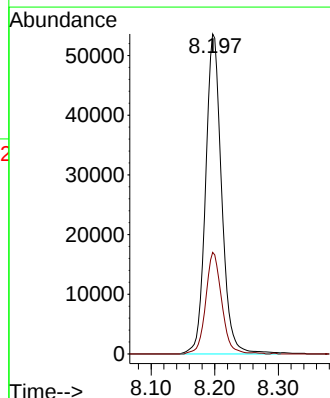
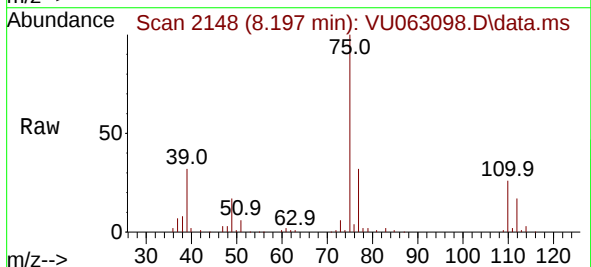
Acq: 30 Jan 2025 14:18

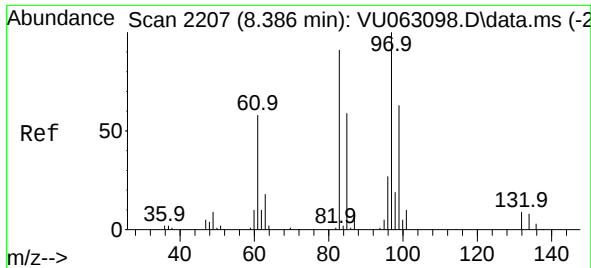
Tgt Ion: 75 Resp: 93880

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3

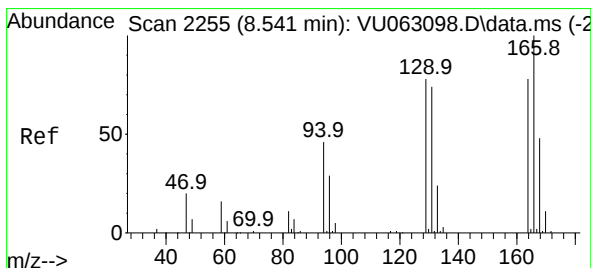
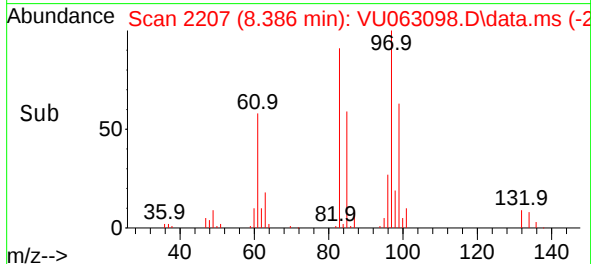
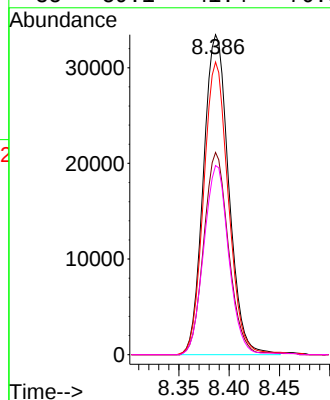
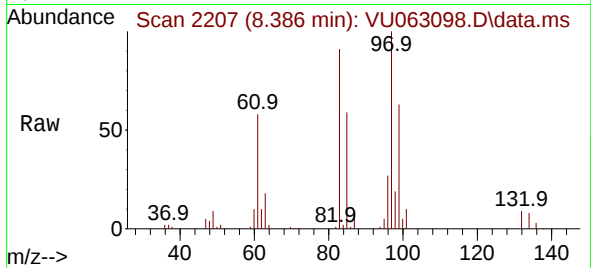




#45
1,1,2-Trichloroethane
Concen: 51.780 ug/L
RT: 8.386 min Scan# 2207
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

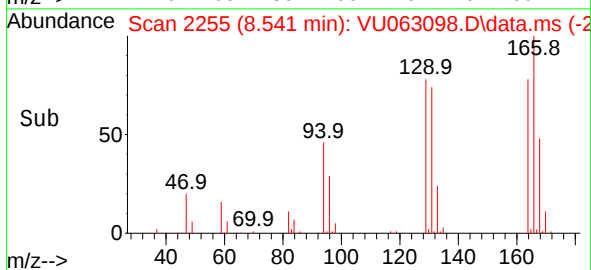
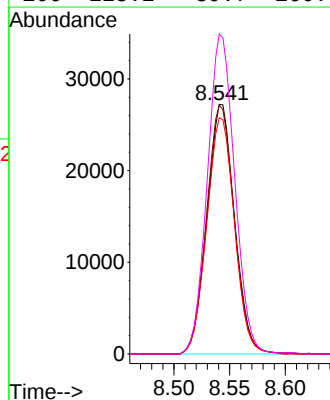
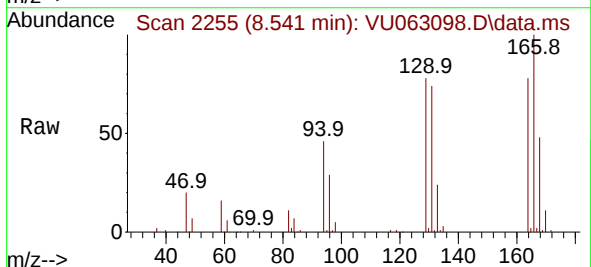
Instrument :
MSVOA_U
ClientSampleId :

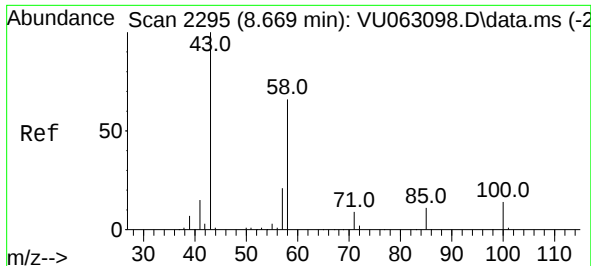
Tgt Ion:	97	Resp:	58614
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.2	82.2
83	91.4	64.0	118.8
85	59.1	41.4	76.8



#46
Tetrachloroethene
Concen: 49.393 ug/L
RT: 8.541 min Scan# 2255
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

Tgt Ion:	164	Resp:	46863
Ion	Ratio	Lower	Upper
164	100		
129	99.8	69.9	129.7
131	94.7	66.3	123.1
166	128.2	89.7	166.7

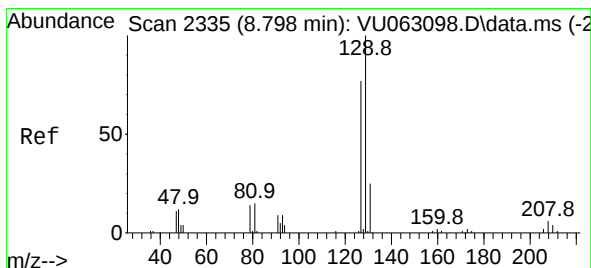
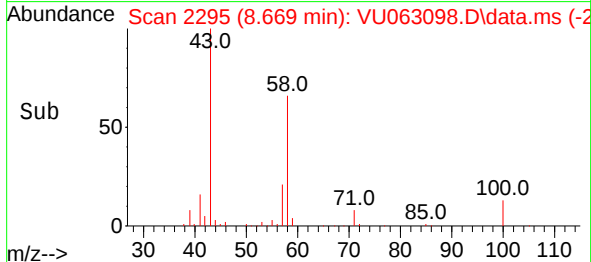
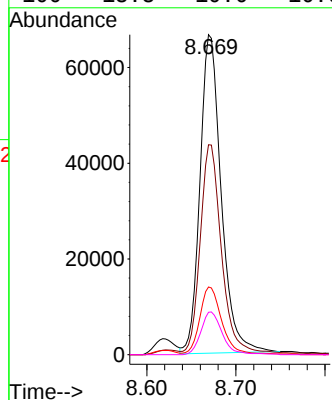
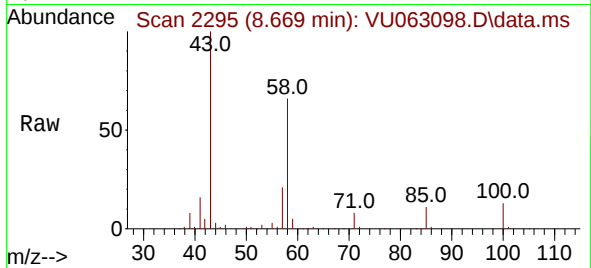




#48
2-Hexanone
Concen: 122.964 ug/L
RT: 8.669 min Scan# 2295
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

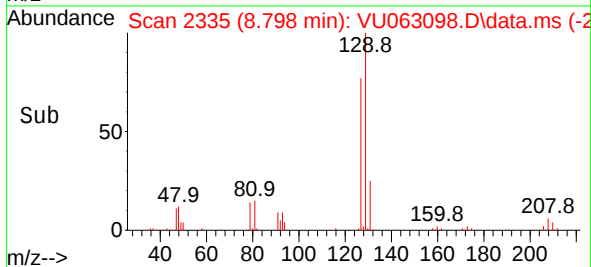
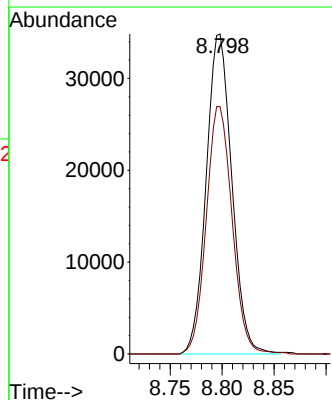
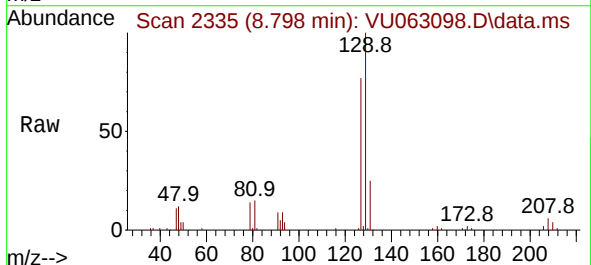
Instrument :
MSVOA_U
ClientSampleId :

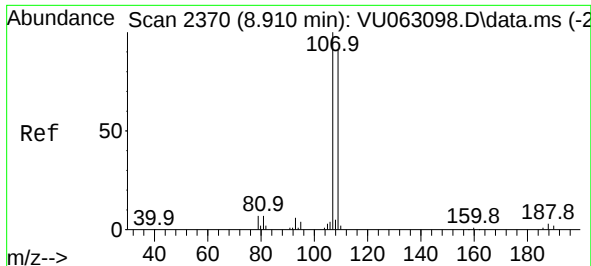
Tgt Ion:	43	Resp:	110218
Ion	Ratio	Lower	Upper
43	100		
58	65.7	52.6	78.8
57	22.4	17.9	26.9
100	13.3	10.6	16.0



#49
Dibromochloromethane
Concen: 45.128 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

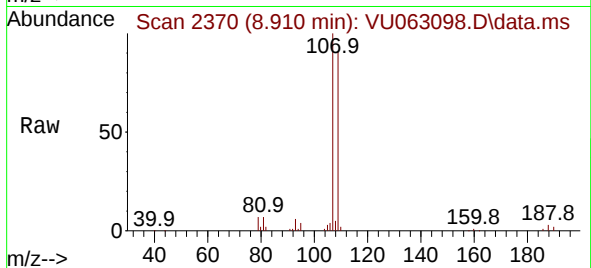
Tgt Ion:	129	Resp:	59870
Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.1	100.5



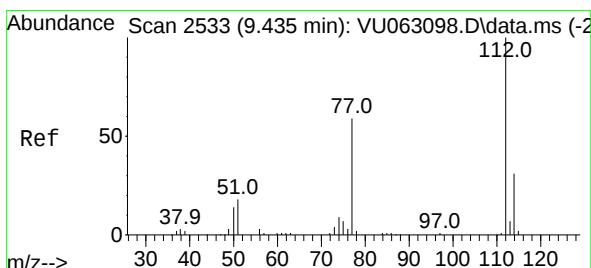
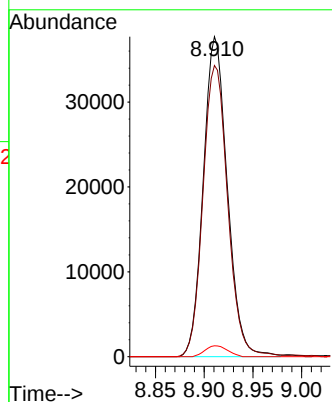
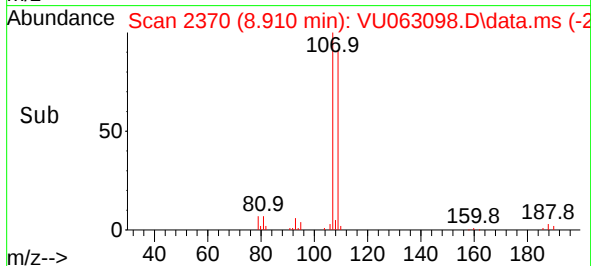


#50
1,2-Dibromoethane
Concen: 50.891 ug/L
RT: 8.910 min Scan# 2370
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

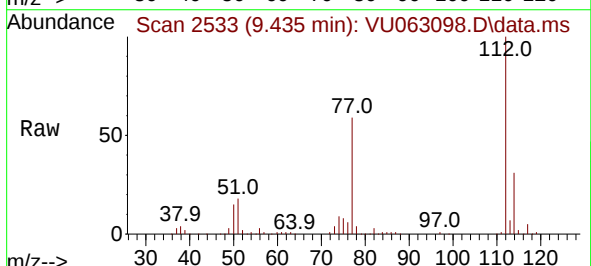
Instrument :
MSVOA_U
ClientSampleId :



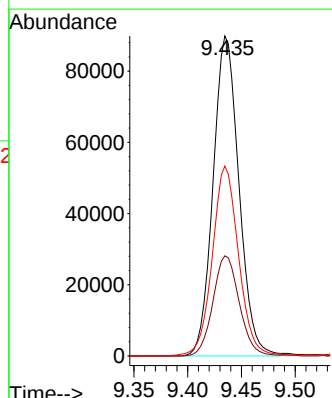
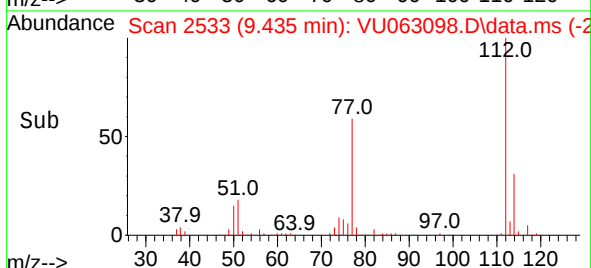
Tgt Ion:107 Resp: 64728
Ion Ratio Lower Upper
107 100
109 91.0 63.7 118.3
188 3.4 2.7 4.1

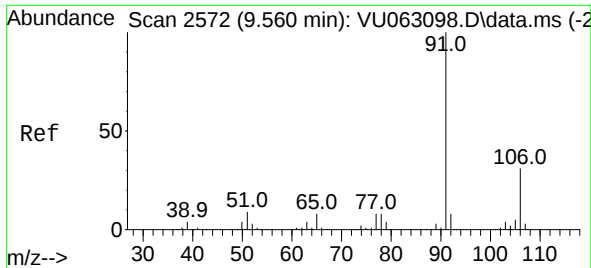


#51
Chlorobenzene
Concen: 50.205 ug/L
RT: 9.435 min Scan# 2533
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18



Tgt Ion:112 Resp: 150189
Ion Ratio Lower Upper
112 100
114 31.3 21.9 40.7
77 59.4 47.5 71.3

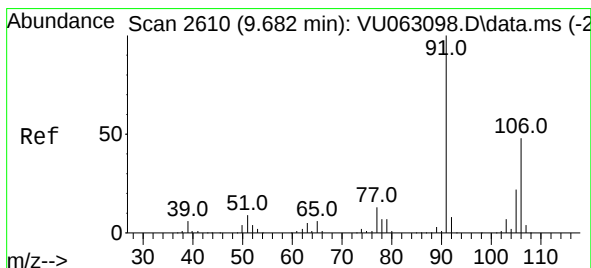
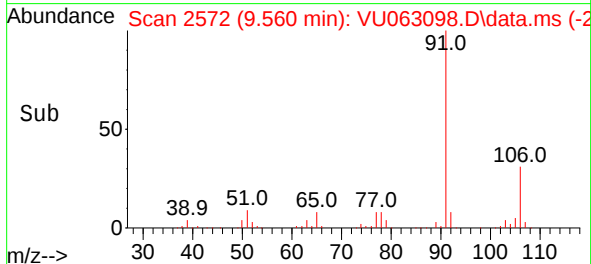
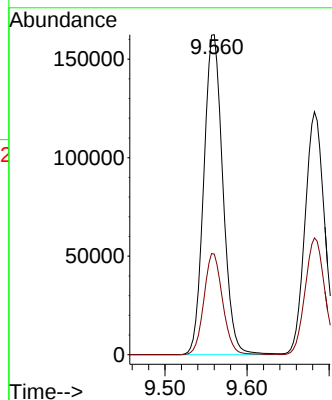
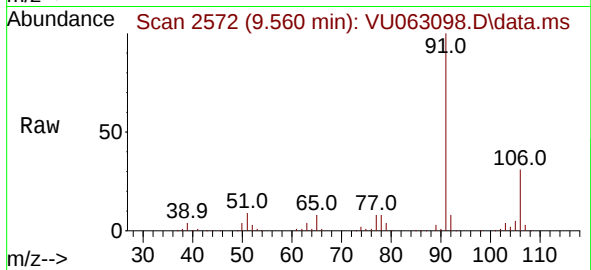




#52
Ethylbenzene
Concen: 50.372 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

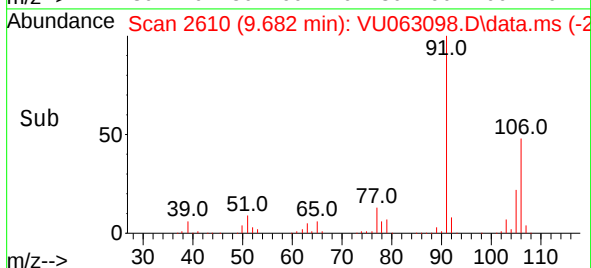
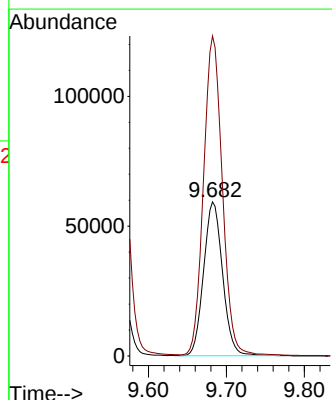
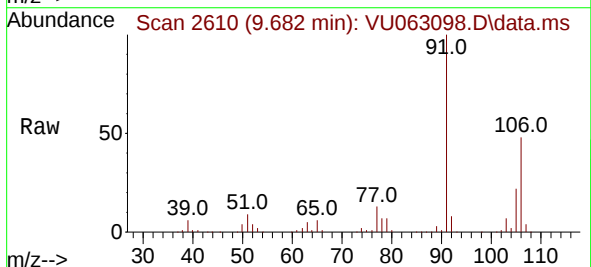
Instrument :
MSVOA_U
ClientSampleId :

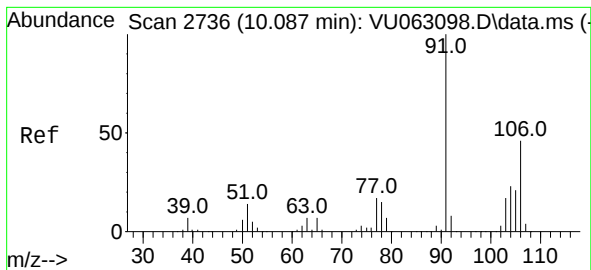
Tgt Ion: 91 Resp: 263147
Ion Ratio Lower Upper
91 100
106 31.4 22.0 40.8



#53
m,p-Xylene
Concen: 51.490 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

Tgt Ion:106 Resp: 99985
Ion Ratio Lower Upper
106 100
91 207.8 145.5 270.1

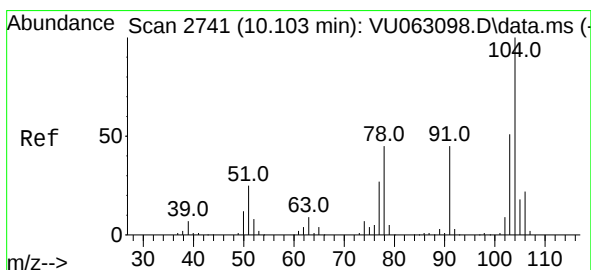
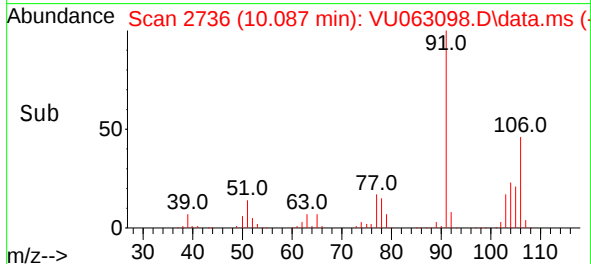
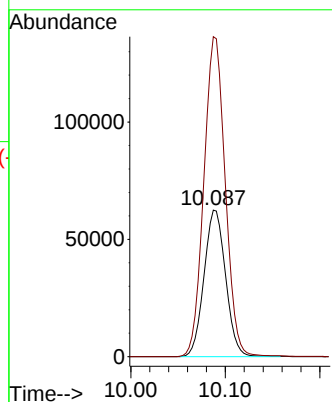
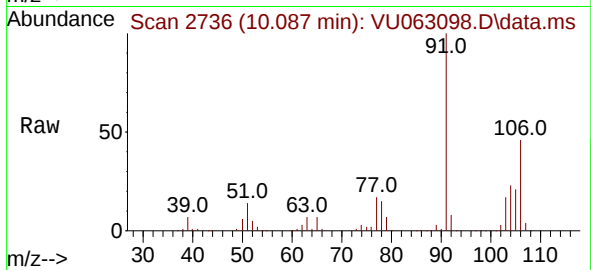




#54
o-Xylene
Concen: 52.459 ug/L
RT: 10.087 min Scan# 2736
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

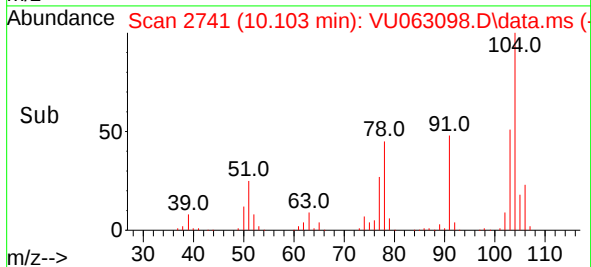
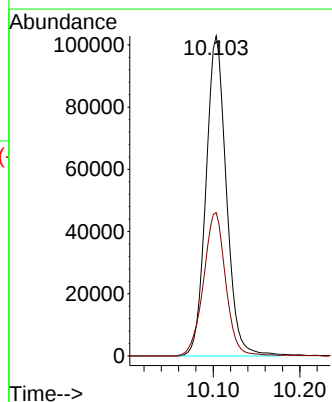
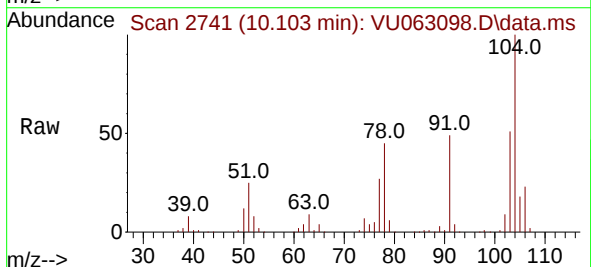
Instrument :
MSVOA_U
ClientSampleId :

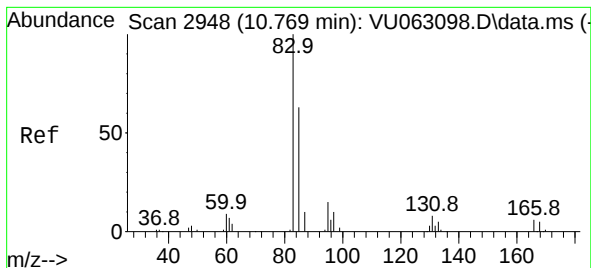
Tgt Ion:106 Resp: 99163
Ion Ratio Lower Upper
106 100
91 218.3 152.8 283.8



#55
Styrene
Concen: 52.116 ug/L
RT: 10.103 min Scan# 2741
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

Tgt Ion:104 Resp: 167874
Ion Ratio Lower Upper
104 100
78 44.8 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 58.485 ug/L

RT: 10.769 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU063098.D

Acq: 30 Jan 2025 14:18

Instrument :

MSVOA_U

ClientSampleId :

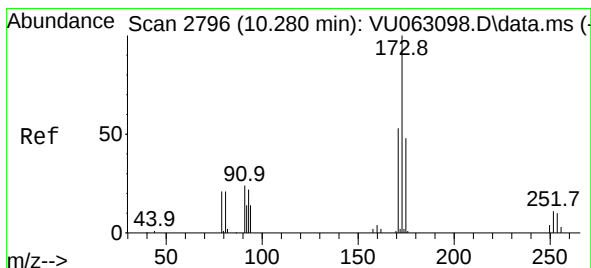
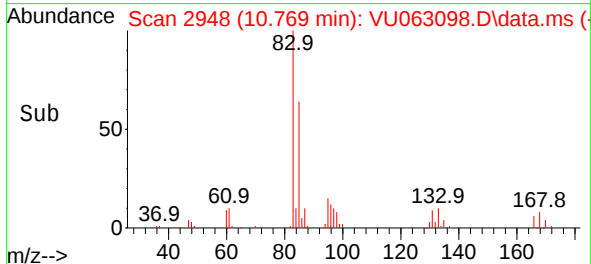
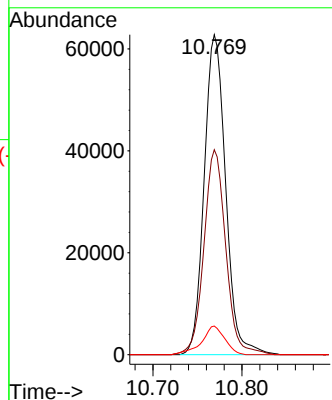
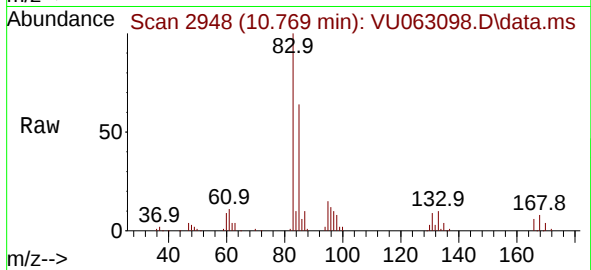
Tgt Ion: 83 Resp: 104994

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.3

131 8.9 7.1 10.7



#59

Bromoform

Concen: 47.217 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. 0.000 min

Lab File: VU063098.D

Acq: 30 Jan 2025 14:18

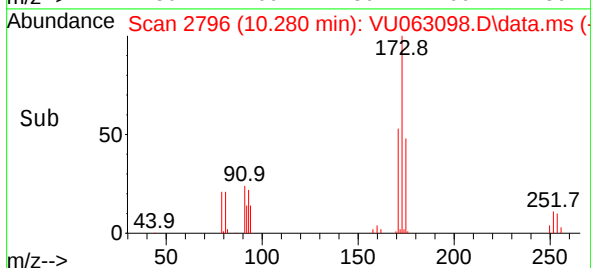
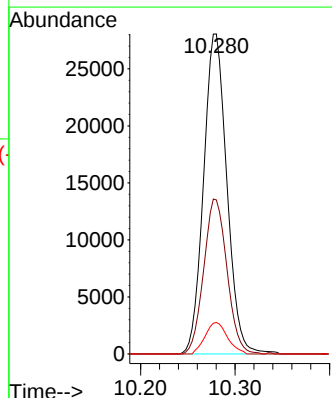
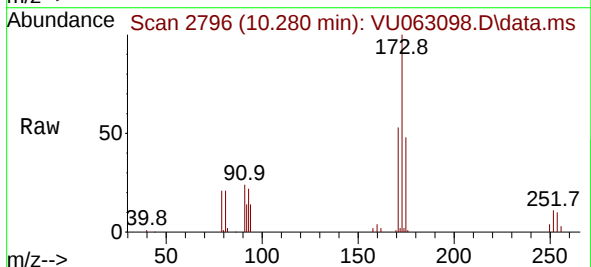
Tgt Ion:173 Resp: 48056

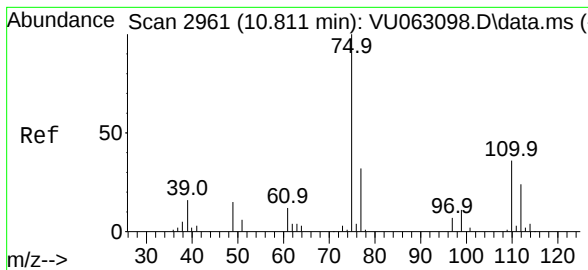
Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

254 9.5 7.6 11.4

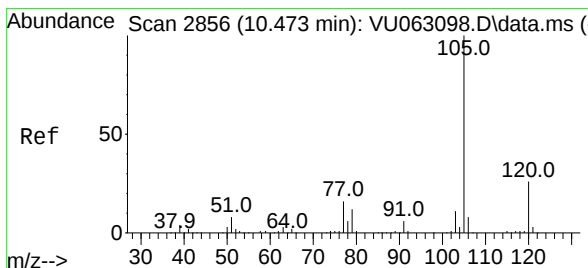
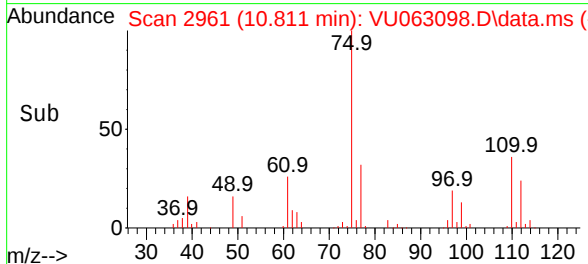
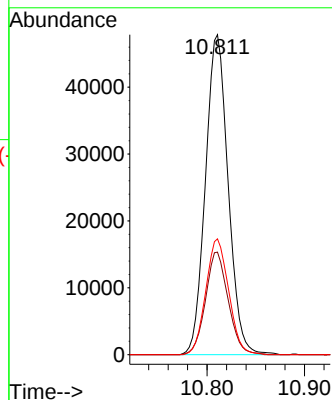
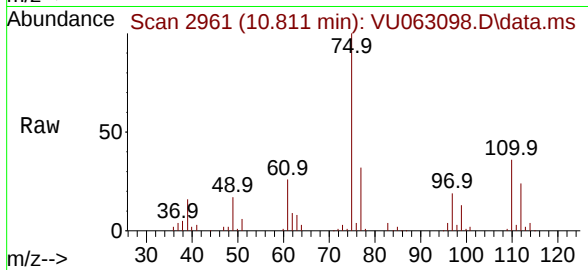




#60
1,2,3-Trichloropropane
Concen: 54.669 ug/L
RT: 10.811 min Scan# 2961
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

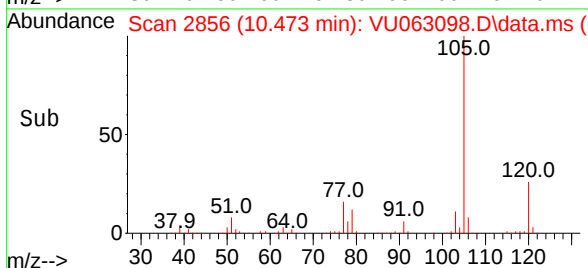
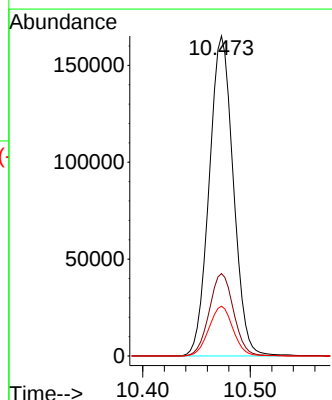
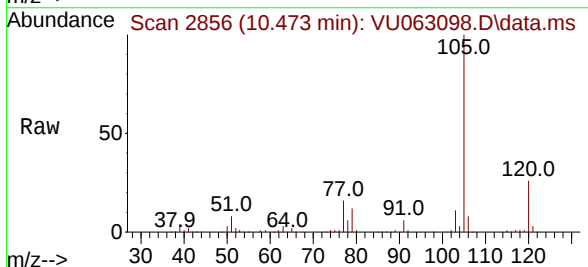
Instrument :
MSVOA_U
ClientSampleId :

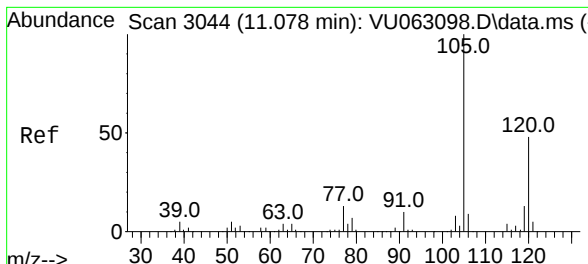
Tgt Ion: 75 Resp: 77458
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4
110 36.4 29.1 43.7



#61
Isopropylbenzene
Concen: 51.813 ug/L
RT: 10.473 min Scan# 2856
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

Tgt Ion:105 Resp: 256793
Ion Ratio Lower Upper
105 100
120 26.1 20.9 31.3
77 15.6 12.5 18.7



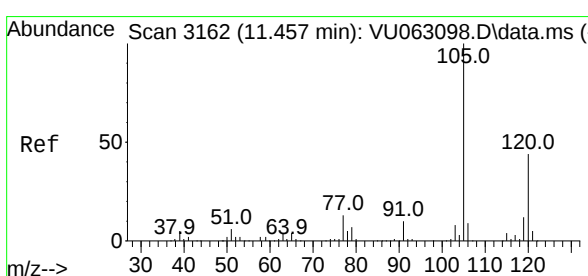
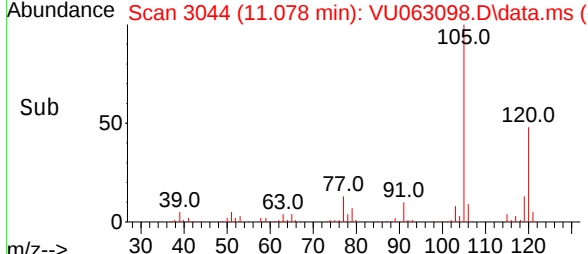
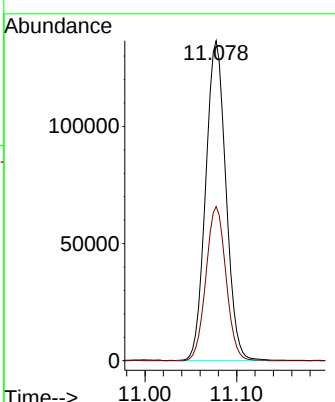
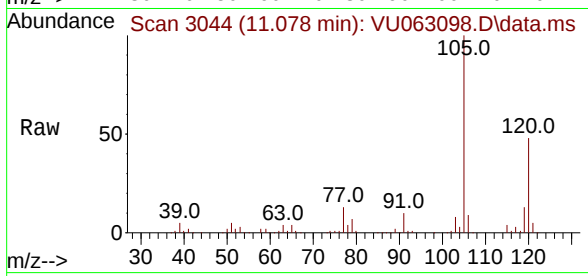


#62
 1,3,5-Trimethylbenzene
 Concen: 49.280 ug/L
 RT: 11.078 min Scan# 3044
 Delta R.T. 0.000 min
 Lab File: VU063098.D
 Acq: 30 Jan 2025 14:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:105 Resp: 209464

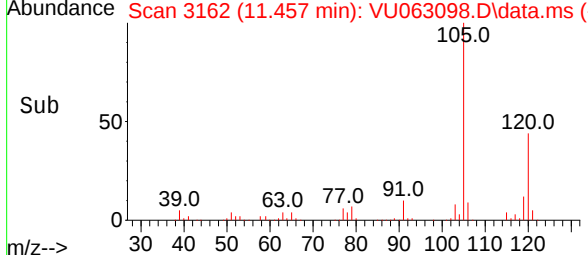
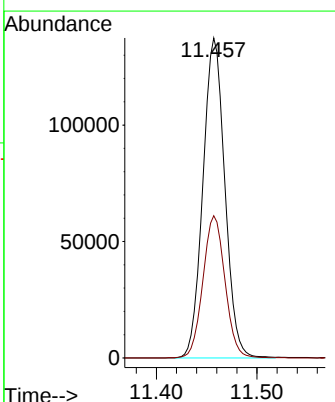
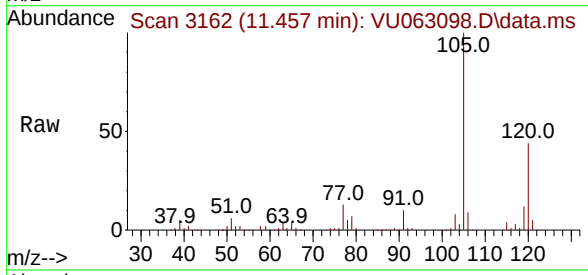
Ion	Ratio	Lower	Upper
105	100		
120	47.7	38.2	57.2

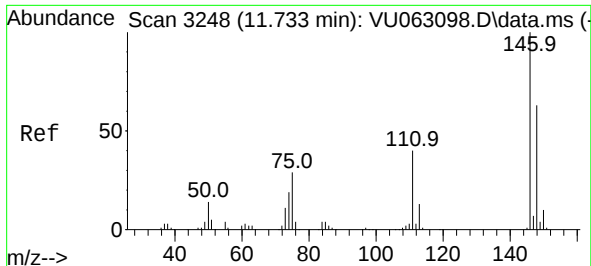


#63
 1,2,4-Trimethylbenzene
 Concen: 49.970 ug/L
 RT: 11.457 min Scan# 3162
 Delta R.T. 0.000 min
 Lab File: VU063098.D
 Acq: 30 Jan 2025 14:18

Tgt Ion:105 Resp: 208189

Ion	Ratio	Lower	Upper
105	100		
120	44.7	35.8	53.6





#64

1,3-Dichlorobenzene

Concen: 50.178 ug/L

RT: 11.733 min Scan# 3248

Delta R.T. 0.000 min

Lab File: VU063098.D

Acq: 30 Jan 2025 14:18

Instrument :

MSVOA_U

ClientSampleId :

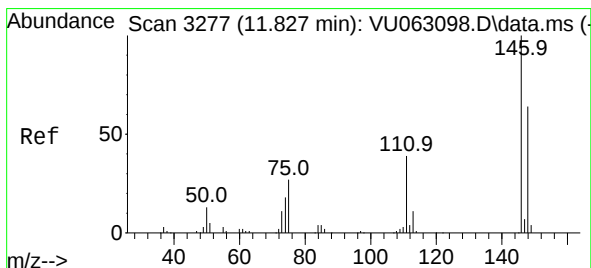
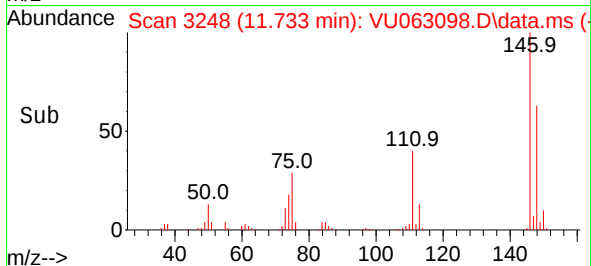
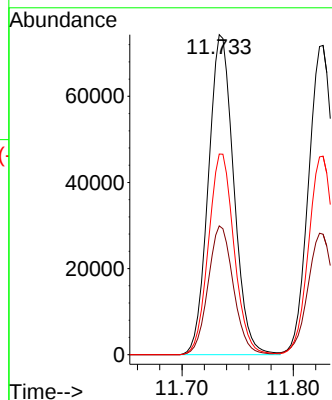
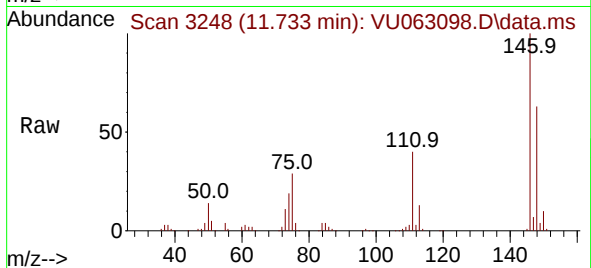
Tgt Ion:146 Resp: 117771

Ion Ratio Lower Upper

146 100

111 40.2 28.1 52.3

148 62.7 43.9 81.5



#65

1,4-Dichlorobenzene

Concen: 50.055 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VU063098.D

Acq: 30 Jan 2025 14:18

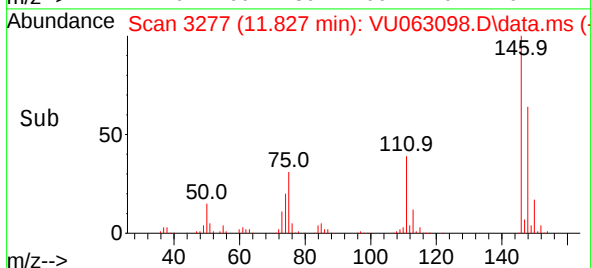
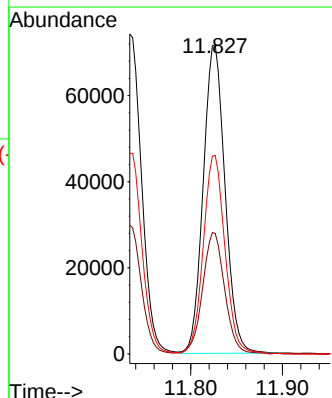
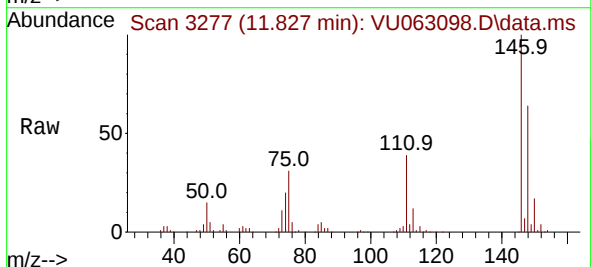
Tgt Ion:146 Resp: 118314

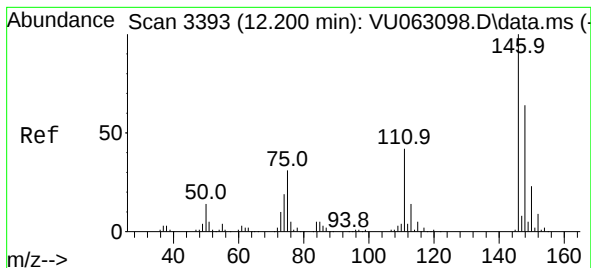
Ion Ratio Lower Upper

146 100

111 38.9 27.2 50.6

148 64.2 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 50.302 ug/L

RT: 12.200 min Scan# 3393

Delta R.T. 0.000 min

Lab File: VU063098.D

Acq: 30 Jan 2025 14:18

Instrument :

MSVOA_U

ClientSampleId :

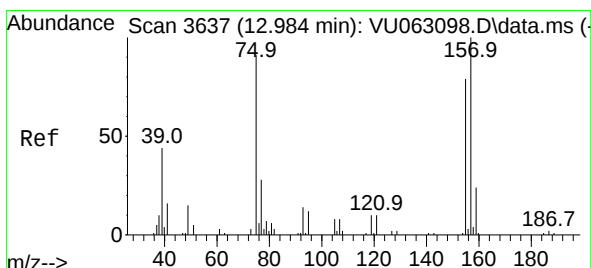
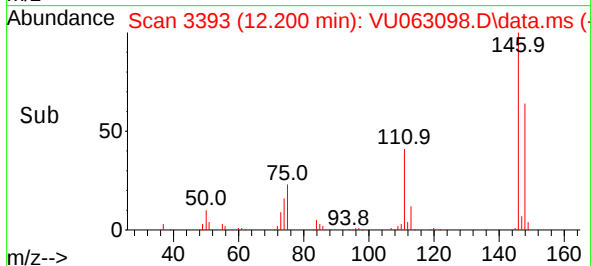
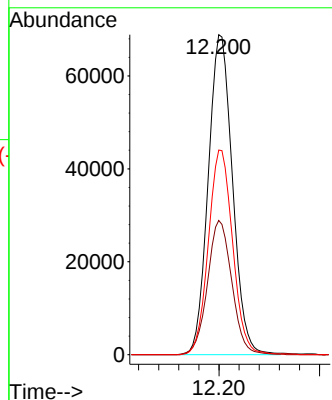
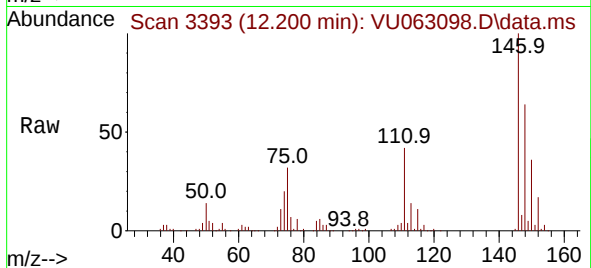
Tgt Ion:146 Resp: 115192

Ion Ratio Lower Upper

146 100

111 42.0 33.6 50.4

148 64.0 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 49.711 ug/L

RT: 12.984 min Scan# 3637

Delta R.T. 0.000 min

Lab File: VU063098.D

Acq: 30 Jan 2025 14:18

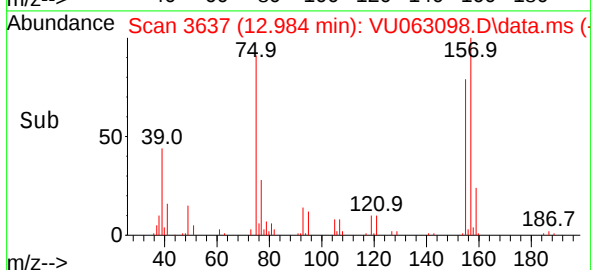
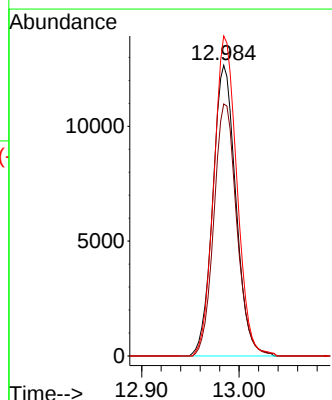
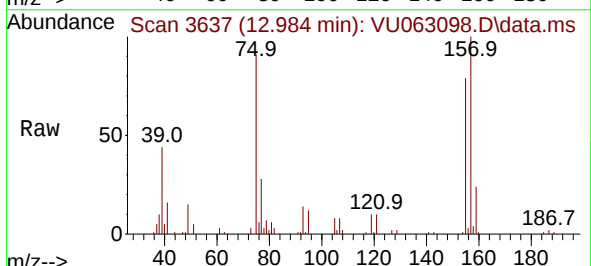
Tgt Ion: 75 Resp: 20860

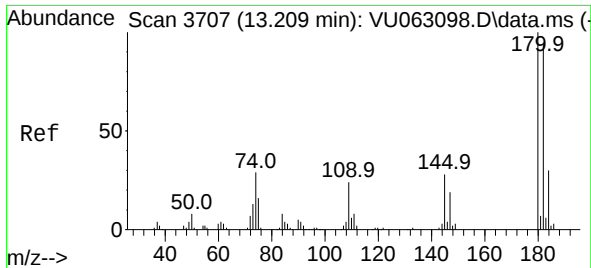
Ion Ratio Lower Upper

75 100

155 86.7 69.4 104.0

157 114.2 91.4 137.0





#69

1,3,5-Trichlorobenzene

Concen: 50.379 ug/L

RT: 13.209 min Scan# 3707

Delta R.T. 0.000 min

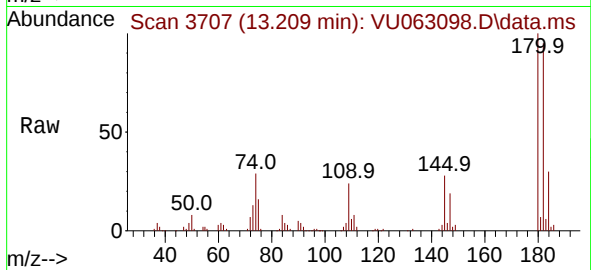
Lab File: VU063098.D

Acq: 30 Jan 2025 14:18

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 79362

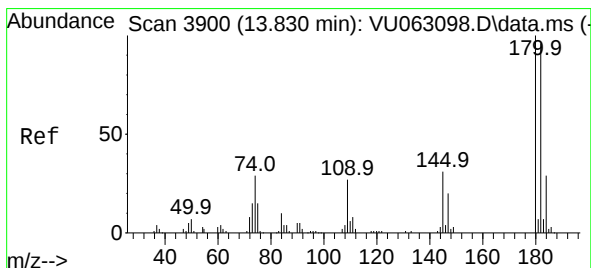
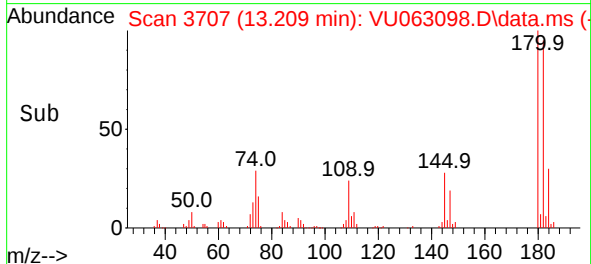
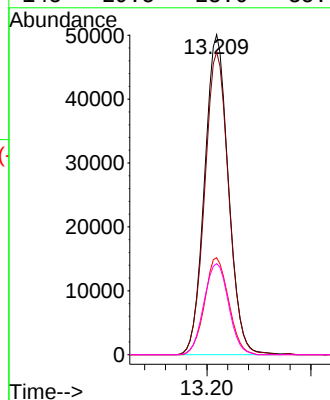
Ion Ratio Lower Upper

180 100

182 95.4 76.3 114.5

184 30.6 24.5 36.7

145 29.5 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 52.676 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. 0.000 min

Lab File: VU063098.D

Acq: 30 Jan 2025 14:18

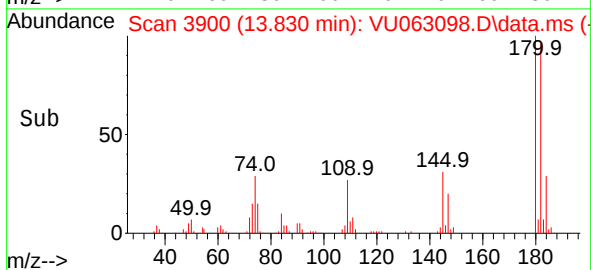
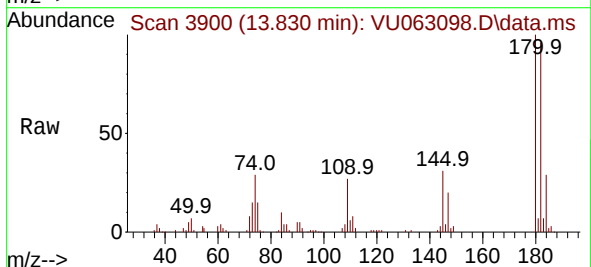
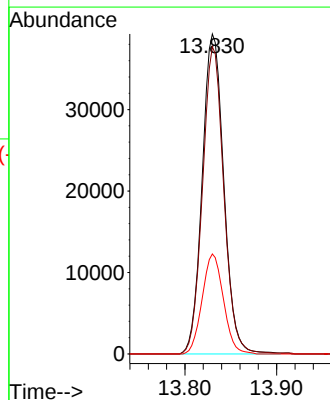
Tgt Ion:180 Resp: 64268

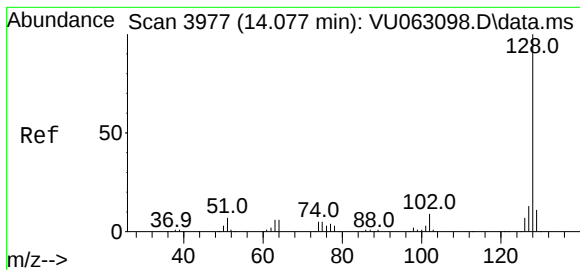
Ion Ratio Lower Upper

180 100

182 94.4 75.5 113.3

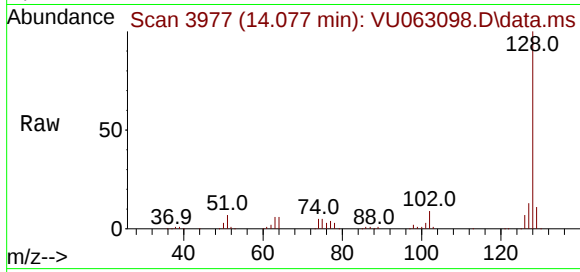
145 30.7 24.6 36.8



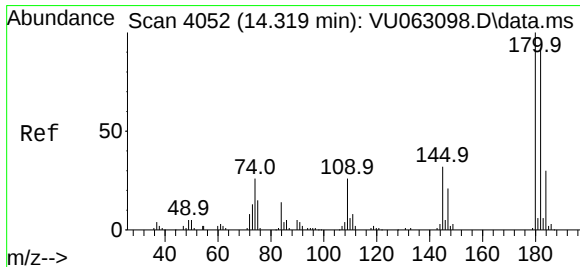
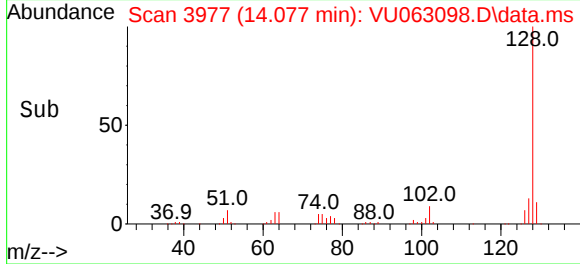
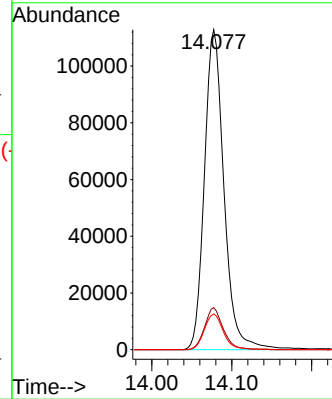


#71
Naphthalene
Concen: 58.310 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 191828
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 11.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 53.604 ug/L
RT: 14.319 min Scan# 4052
Delta R.T. 0.000 min
Lab File: VU063098.D
Acq: 30 Jan 2025 14:18

Tgt Ion:180 Resp: 62024
Ion Ratio Lower Upper
180 100
182 94.0 75.2 112.8
145 32.0 25.6 38.4

