

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010825\
 Data File : VU062663.D
 Acq On : 08 Jan 2025 09:58
 Operator : MD/SY
 Sample : VSTD005
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 08 23:05:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010825WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 08 23:04:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	139219	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	131031	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	63962	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	4412	4.619	ug/L	0.00
7) Chloroethane-d5	1.904	69	3713	5.283	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	9286	5.054	ug/L	0.00
21) 2-Butanone-d5	4.640	46	3049	5.054	ug/L	0.03
24) Chloroform-d	5.052	84	10094	4.945	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	6347	4.829	ug/L	0.00
32) Benzene-d6	5.718	84	16847	4.532	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	4795	4.145	ug/L	0.00
41) Toluene-d8	7.891	98	16168	4.667	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	2495	4.188	ug/L	0.00
47) 2-Hexanone-d5	8.631	63	2157	5.168	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	7454	4.444	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.184	152	6261	4.955	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	6748	5.066	ug/L	96
3) Chloromethane	1.518	50	5099	4.826	ug/L	99
5) Vinyl chloride	1.602	62	5138	4.643	ug/L	95
6) Bromomethane	1.846	94	4040	6.216	ug/L	96
8) Chloroethane	1.927	64	3239	5.080	ug/L	93
9) Trichlorofluoromethane	2.133	101	9630	5.414	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	5104	5.322	ug/L	89
12) 1,1-Dichloroethene	2.573	96	4292	4.923	ug/L	85
13) Acetone	2.615	43	4057	5.752	ug/L	97
14) Carbon disulfide	2.785	76	12812	4.873	ug/L	98
15) Methyl Acetate	2.943	43	3309	3.638	ug/L	96
16) Methylene chloride	3.036	84	4659	4.705	ug/L	91
17) trans-1,2-Dichloroethene	3.348	96	4427	4.926	ug/L	94
18) Methyl tert-butyl Ether	3.348	73	15369	5.037	ug/L	98
19) 1,1-Dichloroethane	3.853	63	8256	4.831	ug/L	94
20) cis-1,2-Dichloroethene	4.660	96	4628	4.527	ug/L	94
22) 2-Butanone	4.821	43	146	0.189	ug/L	86
23) Bromochloromethane	4.965	128	2865	5.283	ug/L	98
25) Chloroform	5.078	83	9809	5.196	ug/L	93
27) 1,2-Dichloroethane	5.788	62	8545	5.601	ug/L	98
29) Cyclohexane	5.374	56	5983	4.145	ug/L	95
30) 1,1,1-Trichloroethane	5.306	97	9535	5.494	ug/L	97
31) Carbon tetrachloride	5.512	117	8677	5.591	ug/L	94
33) Benzene	5.766	78	19308	5.051	ug/L	100
34) Trichloroethene	6.534	95	6857	6.431	ug/L	94
35) Methylcyclohexane	6.750	83	6617	4.174	ug/L	94
37) 1,2-Dichloropropane	6.782	63	4351	4.358	ug/L	# 93
38) Bromodichloromethane	7.097	83	7649	5.422	ug/L	93
39) cis-1,3-Dichloropropene	7.602	75	8028	4.859	ug/L	91
40) 4-Methyl-2-pentanone	7.782	43	8532	7.024	ug/L	97
42) Toluene	7.962	91	19669	4.771	ug/L	95
44) trans-1,3-Dichloropropene	8.203	75	7550	4.879	ug/L	97

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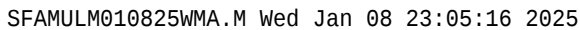
Quant Time: Jan 08 23:05:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010825WMA.M
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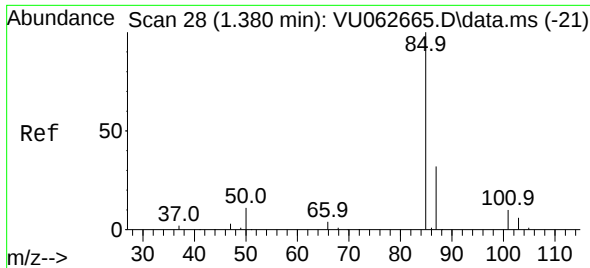
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.393	97	4924	4.878	ug/L	84
46) Tetrachloroethene	8.544	164	4069	4.984	ug/L	94
48) 2-Hexanone	8.679	43	5966	5.943	ug/L	96
49) Dibromochloromethane	8.798	129	5825	5.366	ug/L	100
50) 1,2-Dibromoethane	8.917	107	5384	4.890	ug/L #	96
51) Chlorobenzene	9.438	112	13268	5.040	ug/L	97
52) Ethylbenzene	9.563	91	21900	4.805	ug/L	98
53) m,p-Xylene	9.689	106	7821	4.640	ug/L	95
54) o-Xylene	10.090	106	7770	4.697	ug/L	89
55) Styrene	10.107	104	12515	4.495	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.772	83	7514	4.571	ug/L	92
59) Bromoform	10.280	173	4372	5.347	ug/L #	90
60) 1,2,3-Trichloropropane	10.814	75	6608	5.210	ug/L #	89
61) Isopropylbenzene	10.476	105	20861	4.881	ug/L	98
62) 1,3,5-Trimethylbenzene	11.078	105	17360	4.732	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	16666	4.734	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	10191	5.119	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	10252	5.065	ug/L	92
67) 1,2-Dichlorobenzene	12.206	146	9599	4.910	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.987	75	1855	5.081	ug/L #	66
69) 1,3,5-Trichlorobenzene	13.219	180	5951	4.260	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	4056	3.465	ug/L #	92
71) Naphthalene	14.093	128	8027	2.602	ug/L #	93
72) 1,2,3-Trichlorobenzene	14.328	180	3944	3.547	ug/L	98

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

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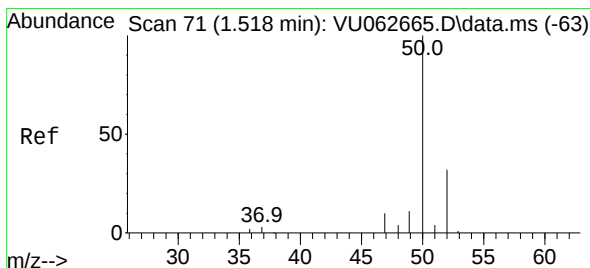
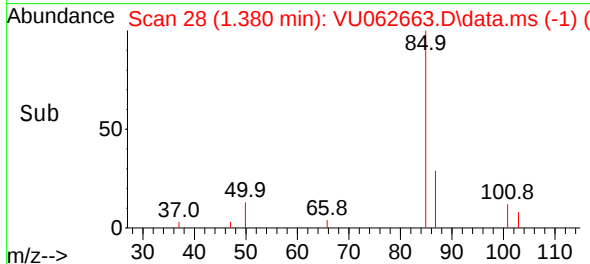
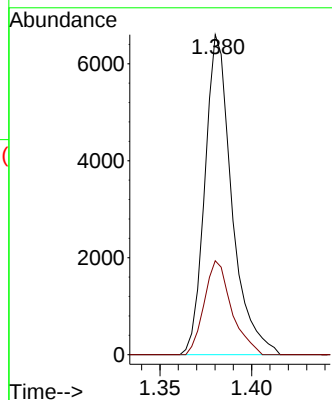
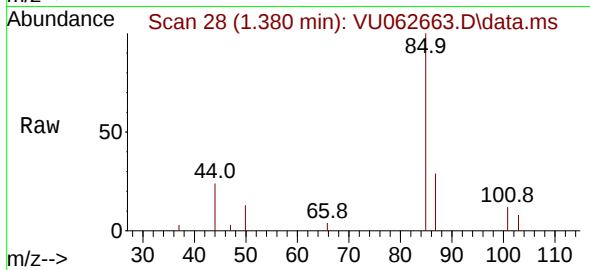




#2
Dichlorodifluoromethane
Concen: 5.066 ug/L
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

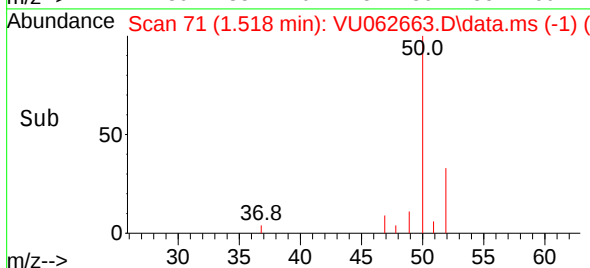
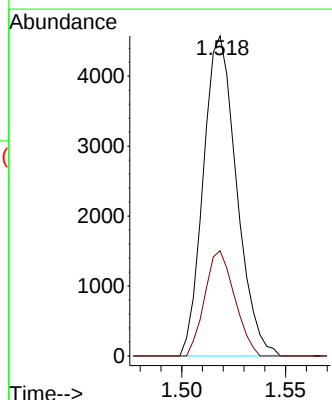
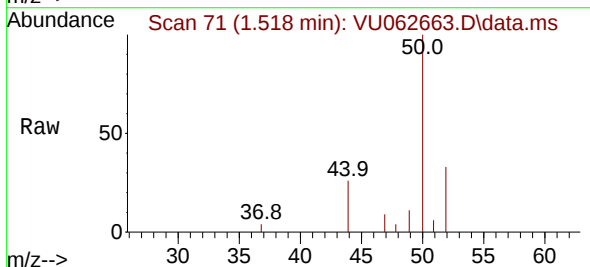
Instrument :
MSVOA_U
ClientSampleId :

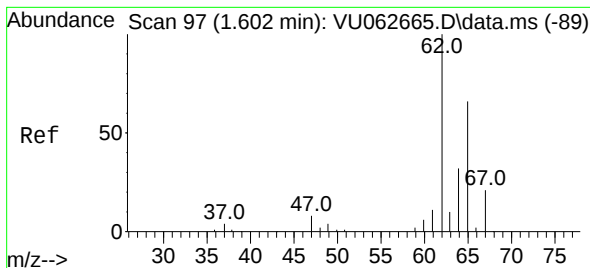
Tgt Ion: 85 Resp: 6748
Ion Ratio Lower Upper
85 100
87 29.7 25.5 38.3



#3
Chloromethane
Concen: 4.826 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

Tgt Ion: 50 Resp: 5099
Ion Ratio Lower Upper
50 100
52 32.9 22.5 41.9





#5

Vinyl chloride

Concen: 4.643 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

Instrument :

MSVOA_U

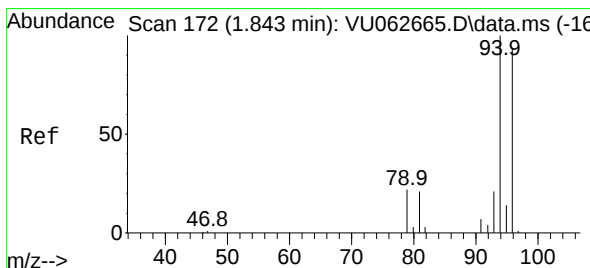
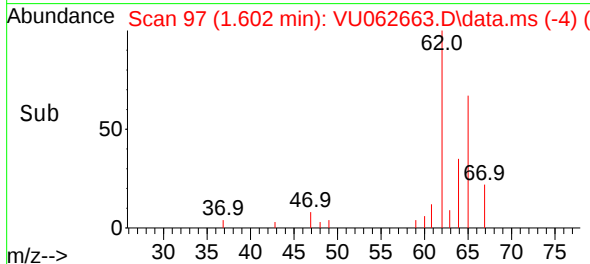
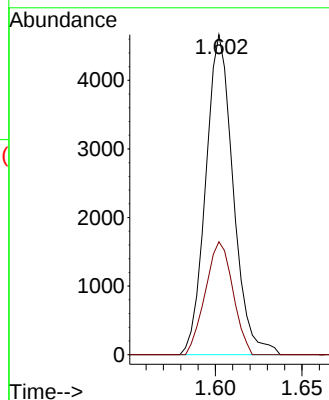
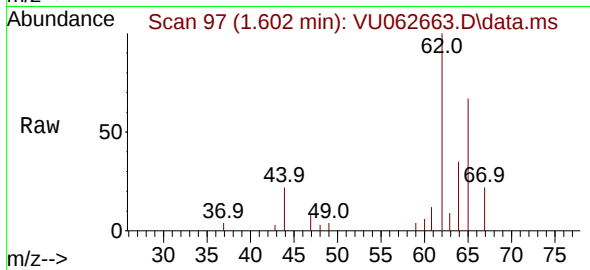
ClientSampleId :

Tgt Ion: 62 Resp: 5138

Ion Ratio Lower Upper

62 100

64 35.3 22.7 42.1



#6

Bromomethane

Concen: 6.216 ug/L

RT: 1.846 min Scan# 173

Delta R.T. 0.003 min

Lab File: VU062663.D

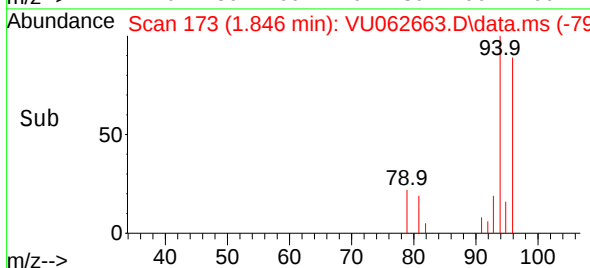
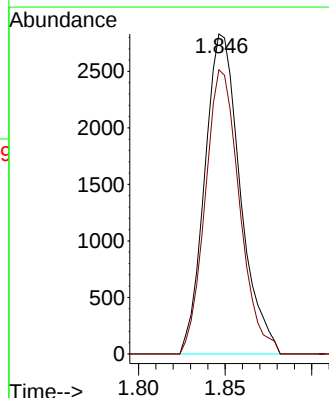
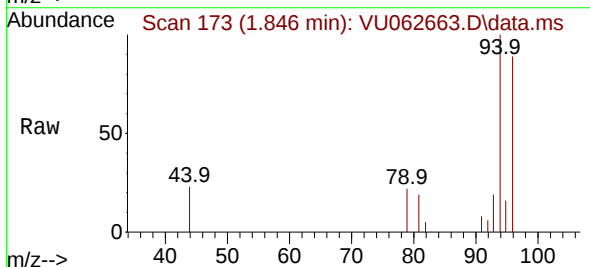
Acq: 08 Jan 2025 09:58

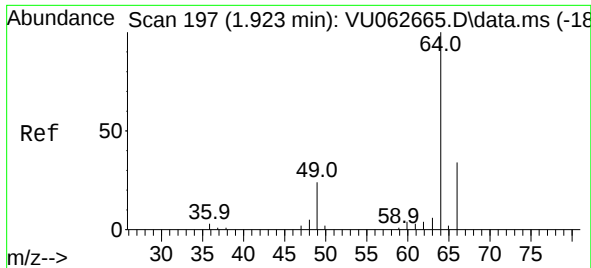
Tgt Ion: 94 Resp: 4040

Ion Ratio Lower Upper

94 100

96 88.8 65.2 121.0

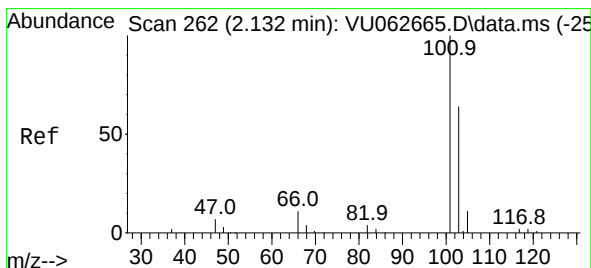
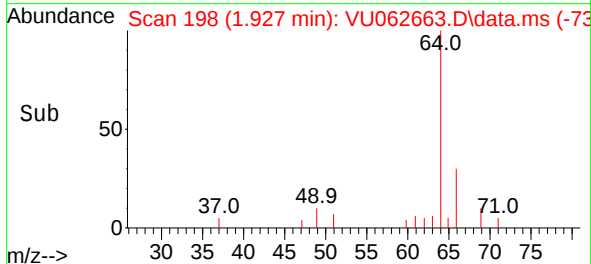
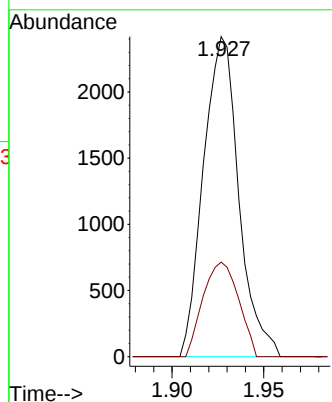
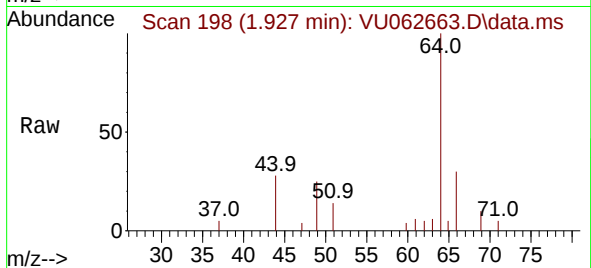




#8
Chloroethane
Concen: 5.080 ug/L
RT: 1.927 min Scan# 197
Delta R.T. 0.003 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

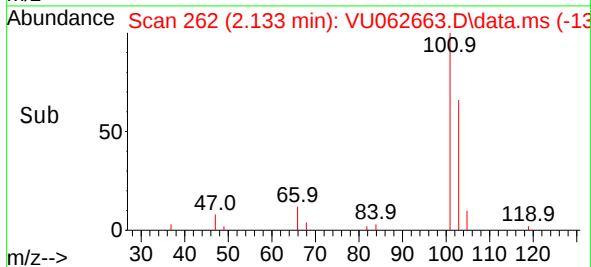
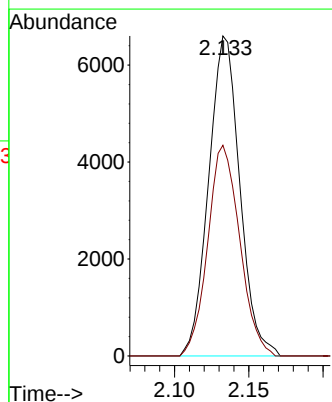
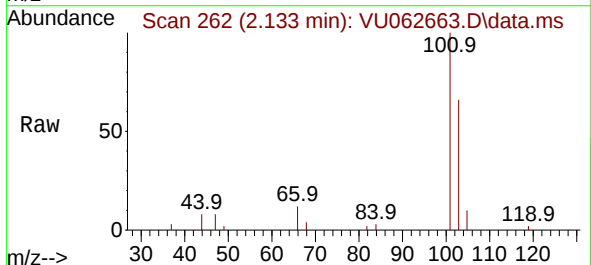
Instrument :
MSVOA_U
ClientSampleId :

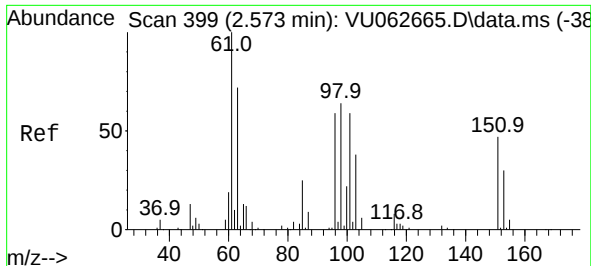
Tgt Ion: 64 Resp: 3239
Ion Ratio Lower Upper
64 100
66 29.5 23.6 43.8



#9
Trichlorofluoromethane
Concen: 5.414 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

Tgt Ion:101 Resp: 9630
Ion Ratio Lower Upper
101 100
103 67.6 51.0 76.4

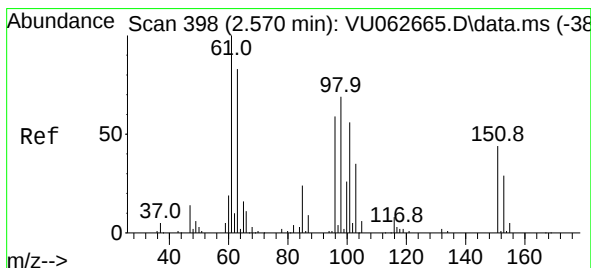
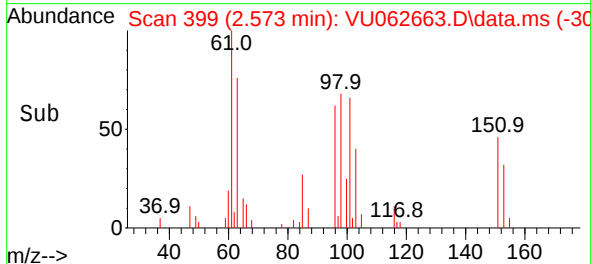
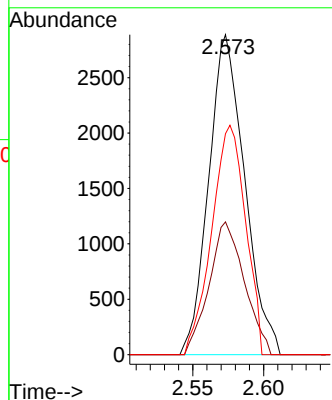
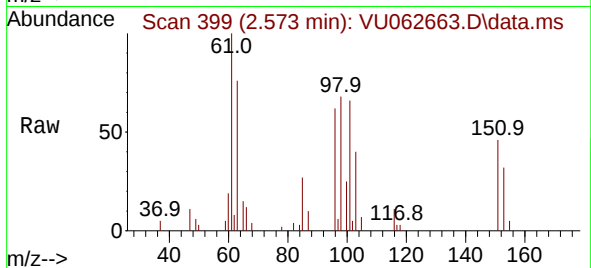




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.322 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU062663.D
 Acq: 08 Jan 2025 09:58

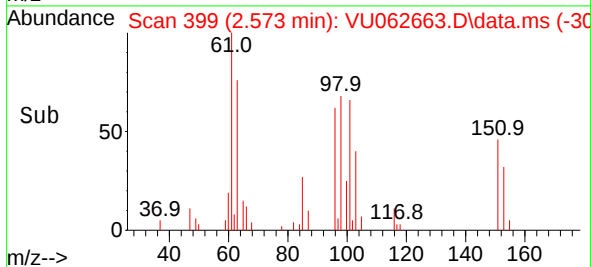
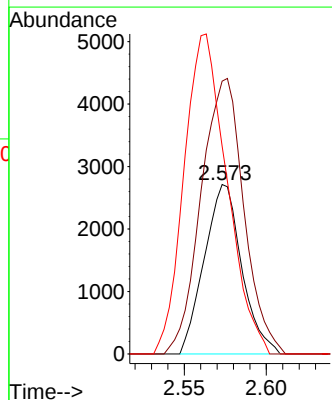
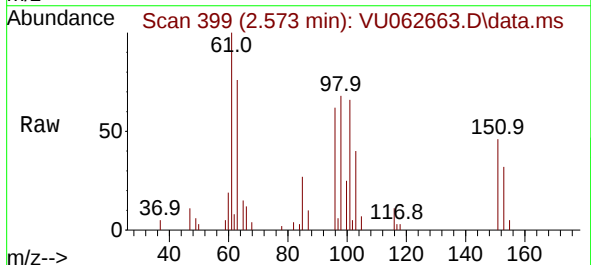
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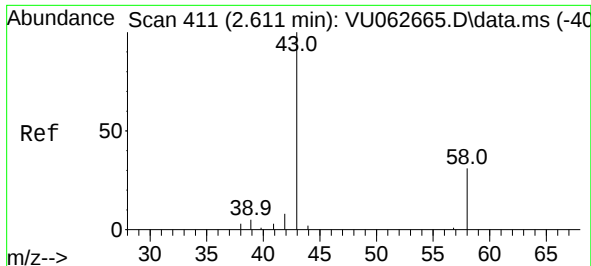
Tgt Ion:	101	Resp:	5104
Ion Ratio	Lower	Upper	
101	100		
85	40.7	35.9	53.9
151	67.5	63.0	94.6



#12
 1,1-Dichloroethene
 Concen: 4.923 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.003 min
 Lab File: VU062663.D
 Acq: 08 Jan 2025 09:58

Tgt Ion:	96	Resp:	4292
Ion Ratio	Lower	Upper	
96	100		
61	161.0	119.9	222.7
63	122.7	106.3	197.5





#13

Acetone

Concen: 5.752 ug/L

RT: 2.615 min Scan# 411

Delta R.T. 0.003 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

Instrument :

MSVOA_U

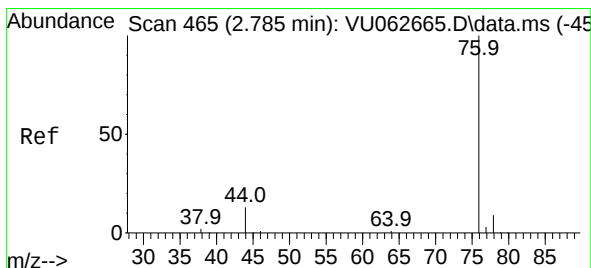
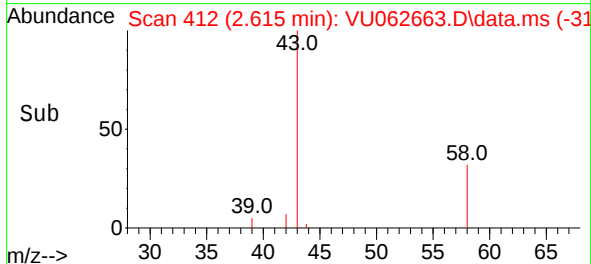
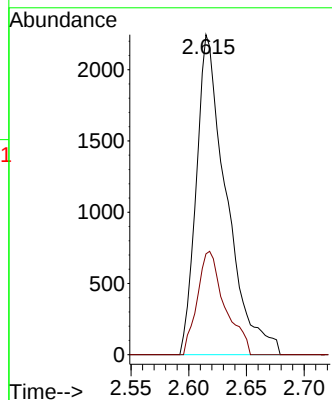
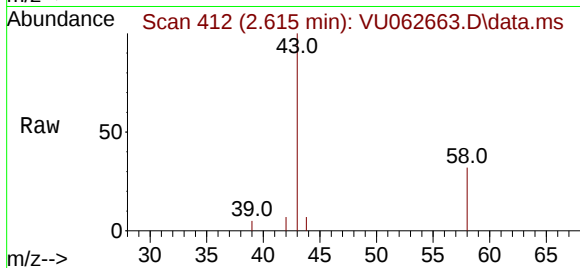
ClientSampleId :

Tgt Ion: 43 Resp: 4057

Ion Ratio Lower Upper

43 100

58 29.7 0.0 62.4



#14

Carbon disulfide

Concen: 4.873 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU062663.D

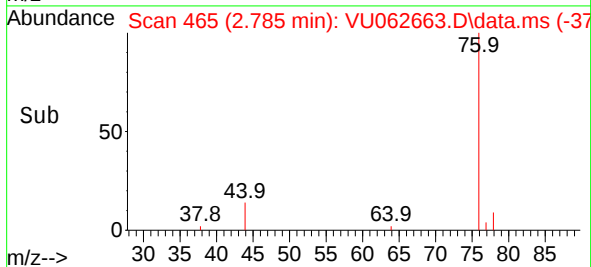
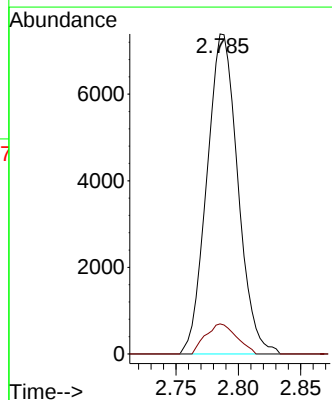
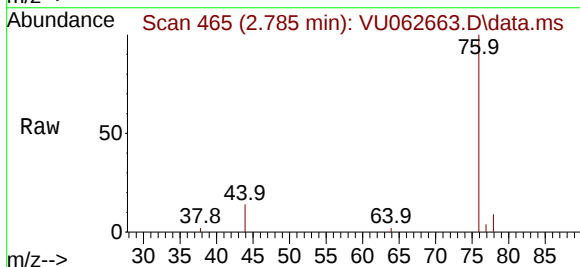
Acq: 08 Jan 2025 09:58

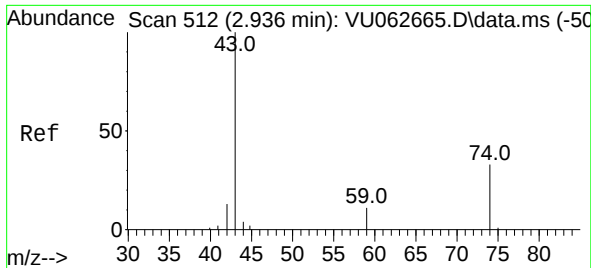
Tgt Ion: 76 Resp: 12812

Ion Ratio Lower Upper

76 100

78 9.4 6.9 10.3





#15

Methyl Acetate

Concen: 3.638 ug/L

RT: 2.943 min Scan# 51

Delta R.T. 0.007 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

Instrument :

MSVOA_U

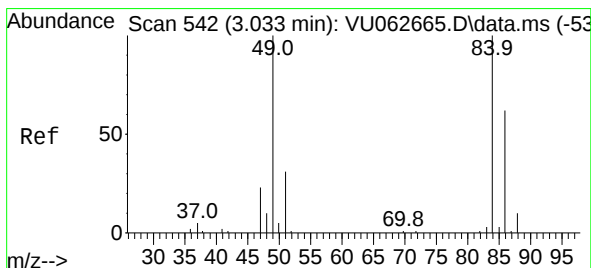
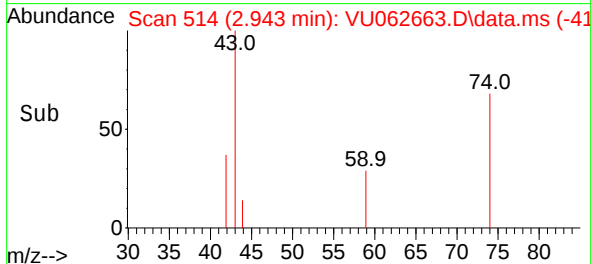
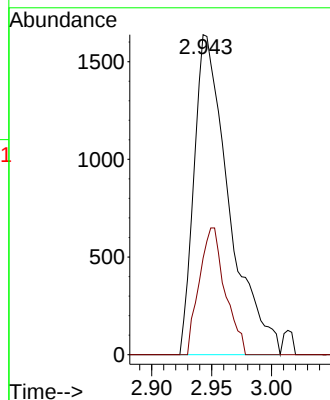
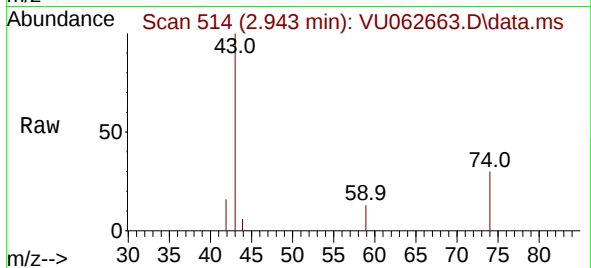
ClientSampleId :

Tgt Ion: 43 Resp: 3309

Ion Ratio Lower Upper

43 100

74 29.4 25.4 38.0



#16

Methylene chloride

Concen: 4.705 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.003 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

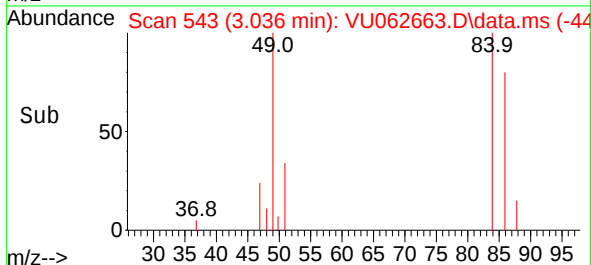
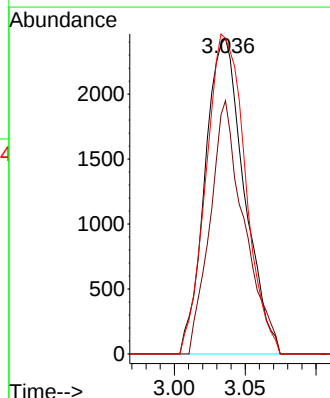
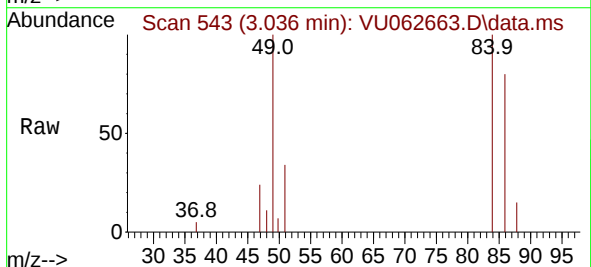
Tgt Ion: 84 Resp: 4659

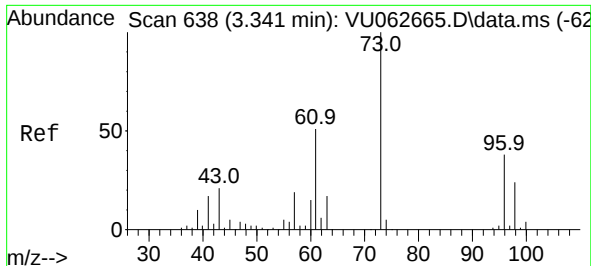
Ion Ratio Lower Upper

84 100

86 80.2 43.8 81.4

49 100.0 70.3 130.5





#17

trans-1,2-Dichloroethene

Concen: 4.926 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.007 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

Instrument :

MSVOA_U

ClientSampleId :

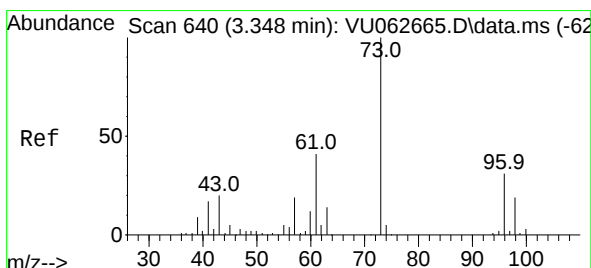
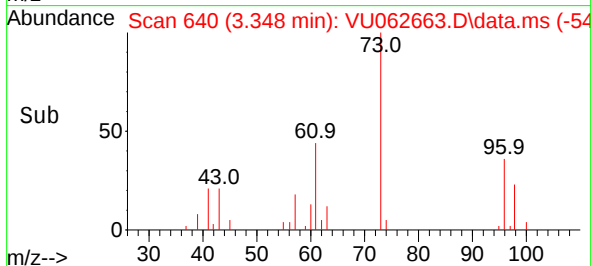
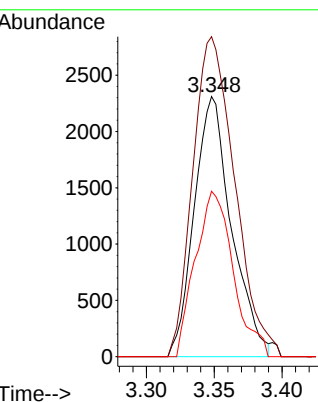
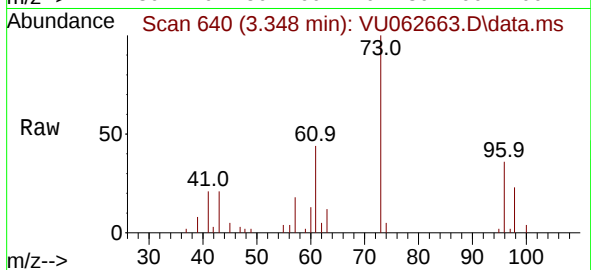
Tgt Ion: 96 Resp: 4427

Ion Ratio Lower Upper

96 100

61 123.0 92.9 172.5

98 63.6 43.8 81.3



#18

Methyl tert-butyl Ether

Concen: 5.037 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.000 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

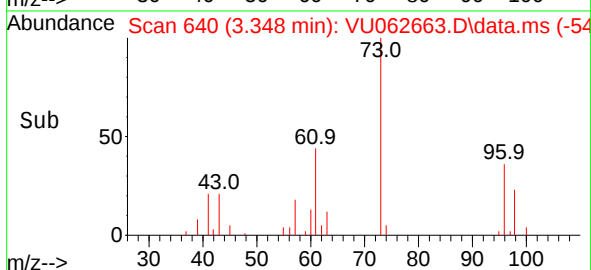
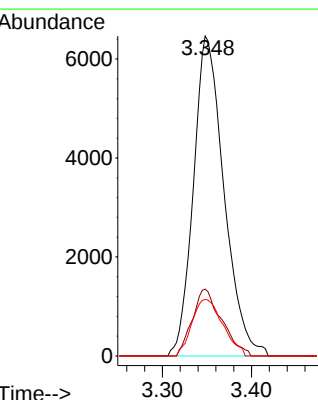
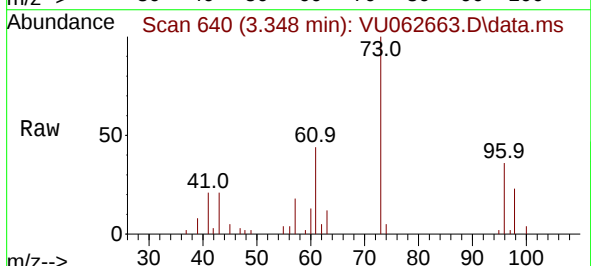
Tgt Ion: 73 Resp: 15369

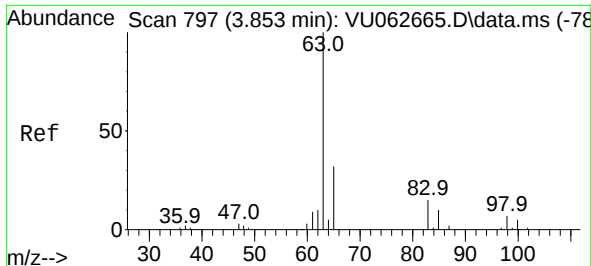
Ion Ratio Lower Upper

73 100

43 20.1 16.5 24.7

57 17.9 15.0 22.6





#19

1,1-Dichloroethane

Concen: 4.831 ug/L

RT: 3.853 min Scan# 797

Delta R.T. 0.000 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

Instrument :

MSVOA_U

ClientSampleId :

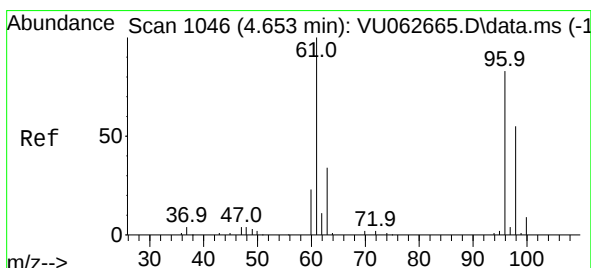
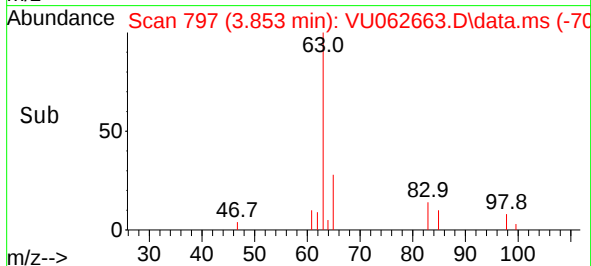
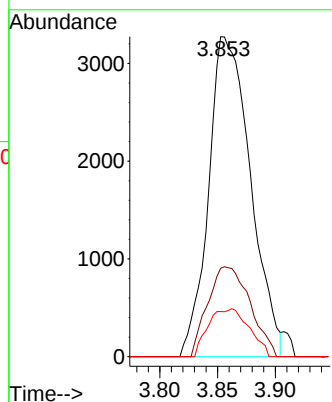
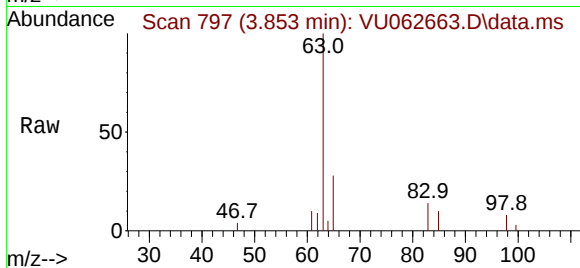
Tgt Ion: 63 Resp: 8256

Ion Ratio Lower Upper

63 100

65 27.7 22.7 42.1

83 14.1 10.1 18.9



#20

cis-1,2-Dichloroethene

Concen: 4.527 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.007 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

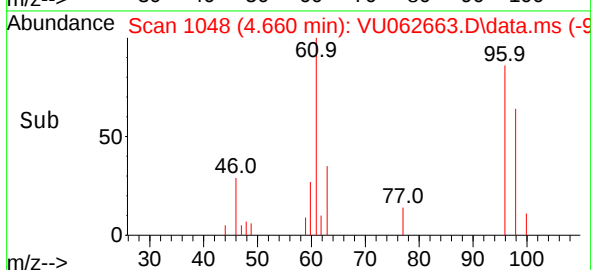
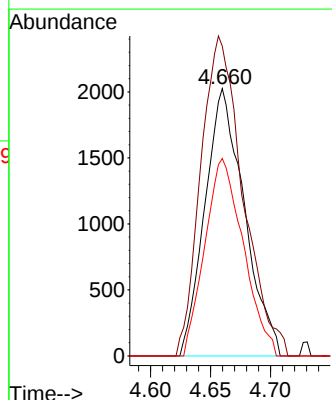
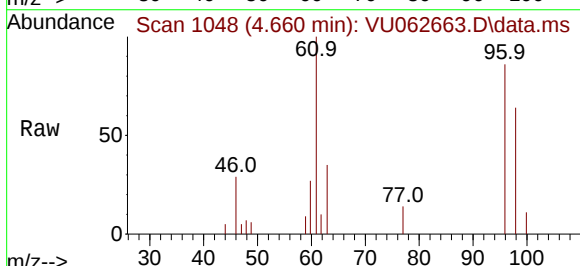
Tgt Ion: 96 Resp: 4628

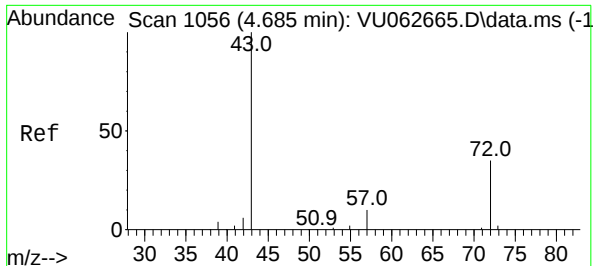
Ion Ratio Lower Upper

96 100

61 115.9 85.1 158.1

98 73.9 46.7 86.7

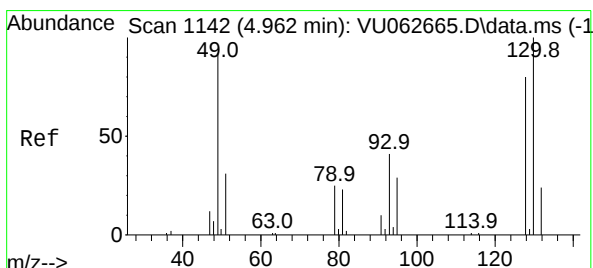
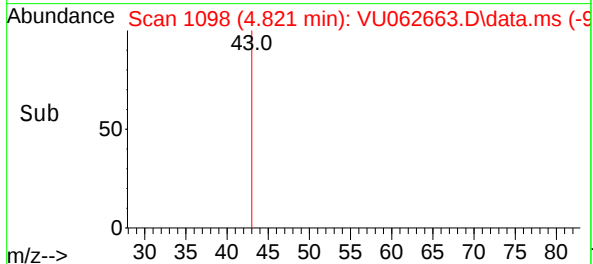
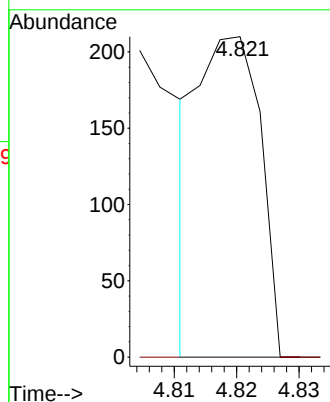
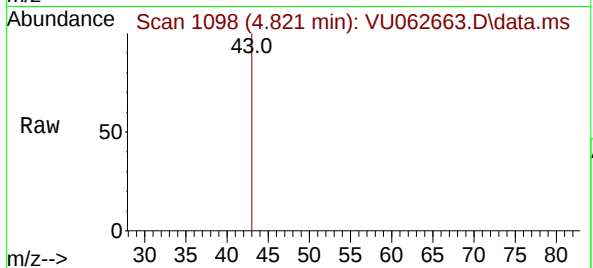




#22
2-Butanone
Concen: 0.189 ug/L
RT: 4.821 min Scan# 1098
Delta R.T. 0.135 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

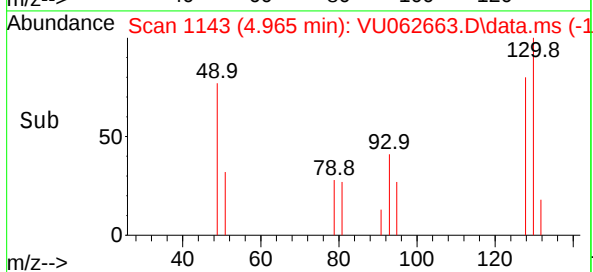
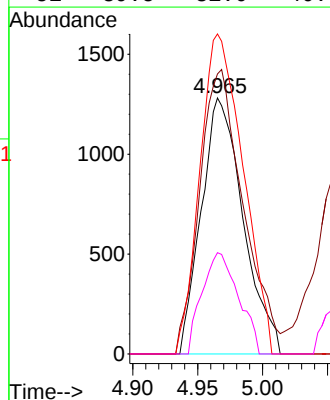
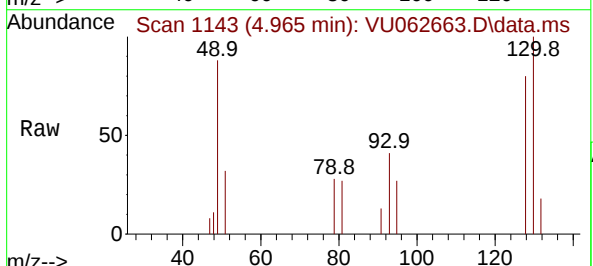
Instrument :
MSVOA_U
ClientSampleId :

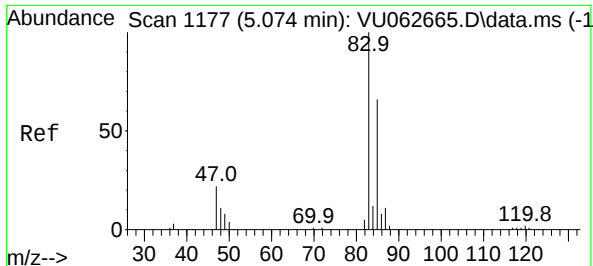
Tgt Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
72 44.5 18.3 54.8



#23
Bromochloromethane
Concen: 5.283 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.003 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

Tgt Ion: 128 Resp: 2865
Ion Ratio Lower Upper
128 100
49 109.4 79.9 148.5
130 125.0 87.2 162.0
51 39.5 31.0 46.4





#25

Chloroform

Concen: 5.196 ug/L

RT: 5.078 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

Instrument :

MSVOA_U

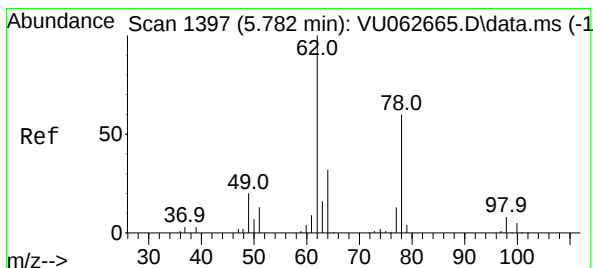
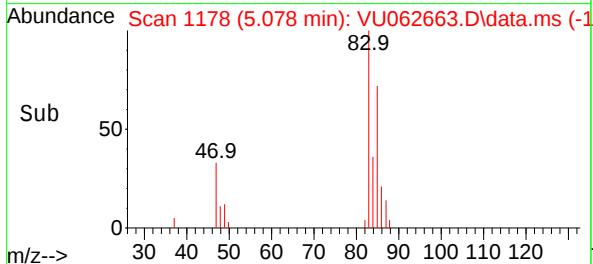
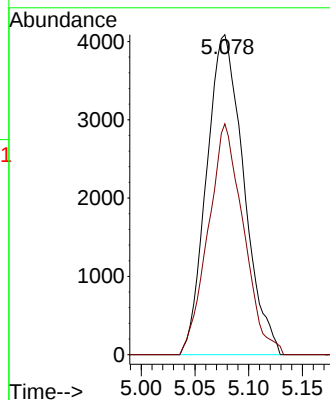
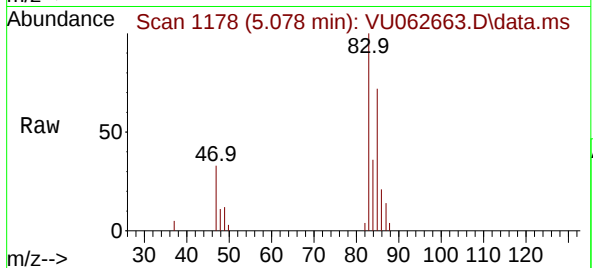
ClientSampleId :

Tgt Ion: 83 Resp: 9809

Ion Ratio Lower Upper

83 100

85 72.2 46.6 86.6



#27

1,2-Dichloroethane

Concen: 5.601 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.007 min

Lab File: VU062663.D

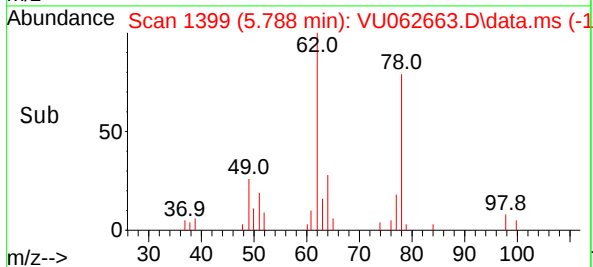
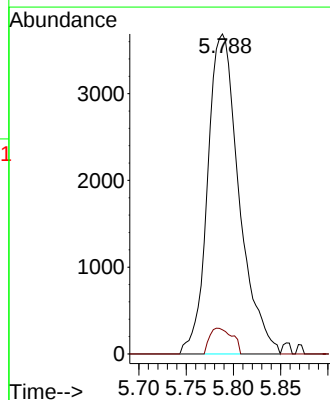
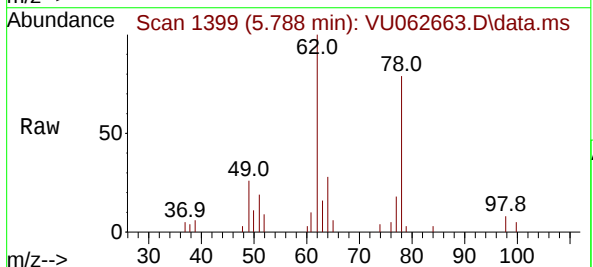
Acq: 08 Jan 2025 09:58

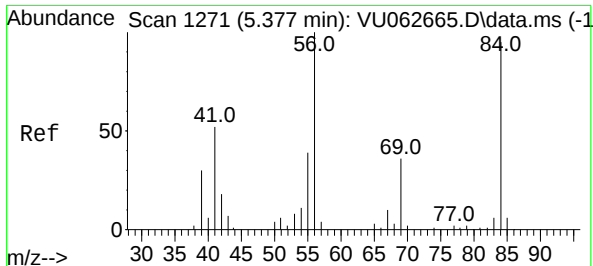
Tgt Ion: 62 Resp: 8545

Ion Ratio Lower Upper

62 100

98 7.5 6.6 10.0





#29

Cyclohexane

Concen: 4.145 ug/L

RT: 5.374 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

Instrument :

MSVOA_U

ClientSampleId :

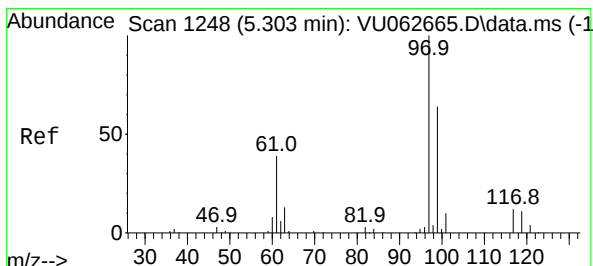
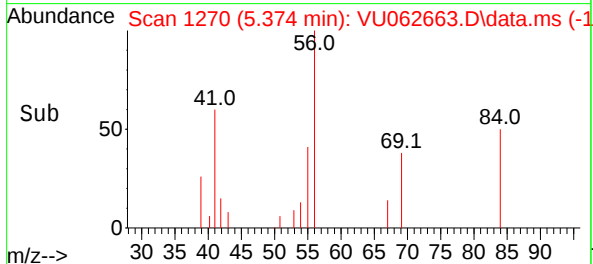
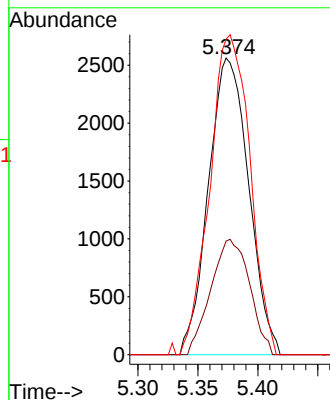
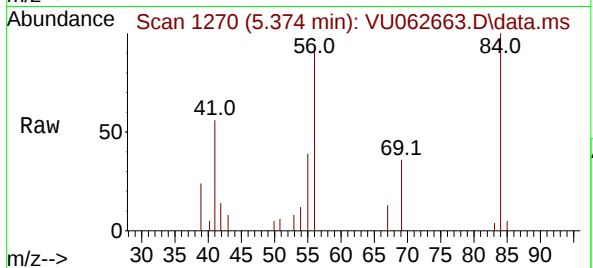
Tgt Ion: 56 Resp: 5983

Ion Ratio Lower Upper

56 100

69 37.5 29.8 44.6

84 107.3 80.6 120.8



#30

1,1,1-Trichloroethane

Concen: 5.494 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. 0.003 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

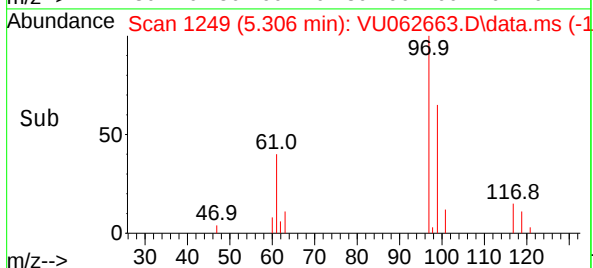
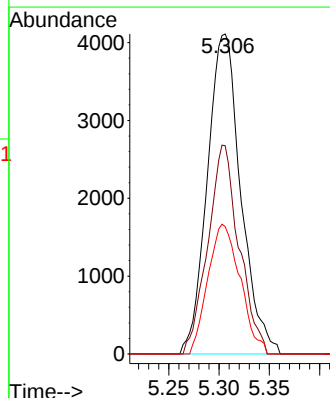
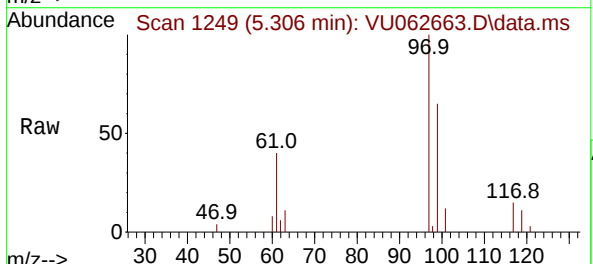
Tgt Ion: 97 Resp: 9535

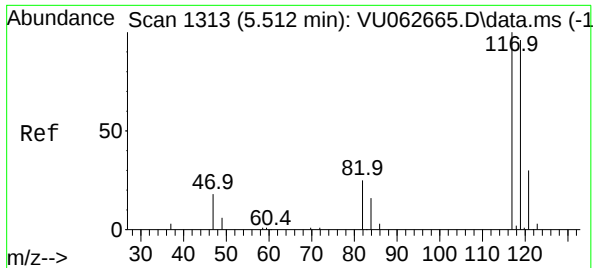
Ion Ratio Lower Upper

97 100

99 60.8 51.3 76.9

61 39.1 31.6 47.4

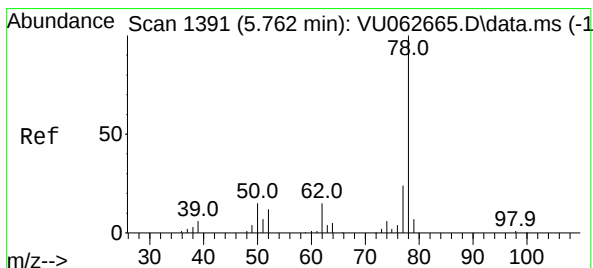
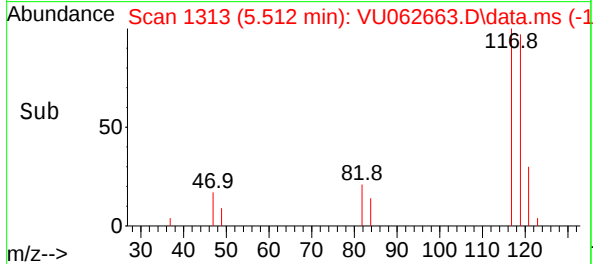
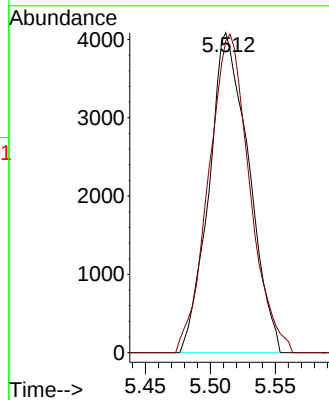
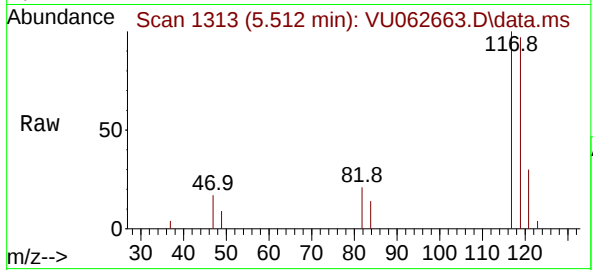




#31
Carbon tetrachloride
Concen: 5.591 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

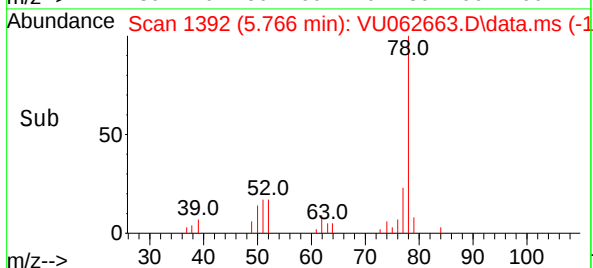
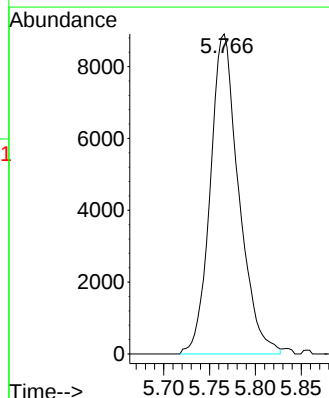
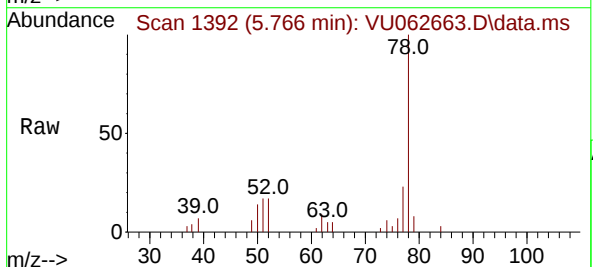
Instrument :
MSVOA_U
ClientSampleId :

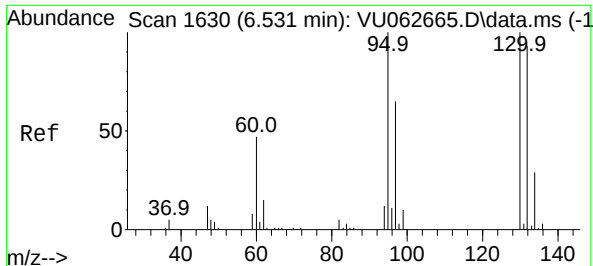
Tgt Ion:117 Resp: 8677
Ion Ratio Lower Upper
117 100
119 102.7 77.7 116.5



#33
Benzene
Concen: 5.051 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

Tgt Ion: 78 Resp: 19308





#34

Trichloroethene

Concen: 6.431 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 6857

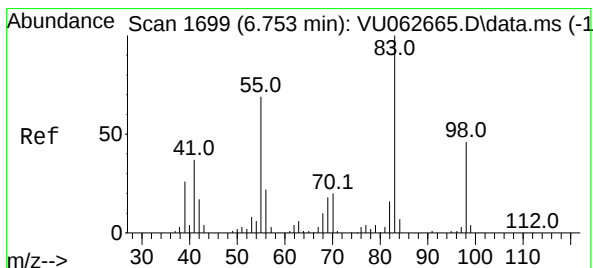
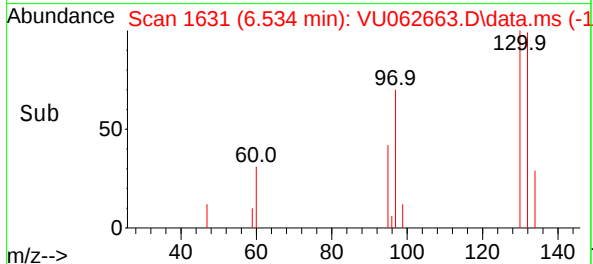
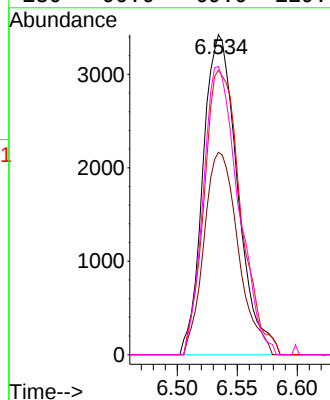
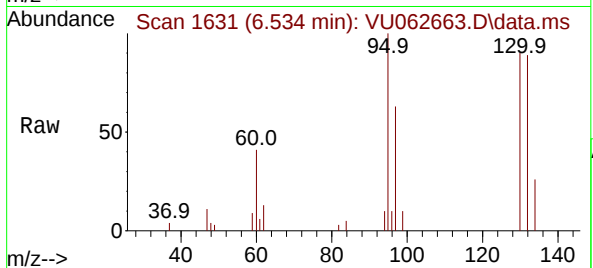
Ion Ratio Lower Upper

95 100

97 63.3 45.5 84.5

132 88.9 65.1 120.9

130 90.0 69.9 129.7



#35

Methylcyclohexane

Concen: 4.174 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. -0.003 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

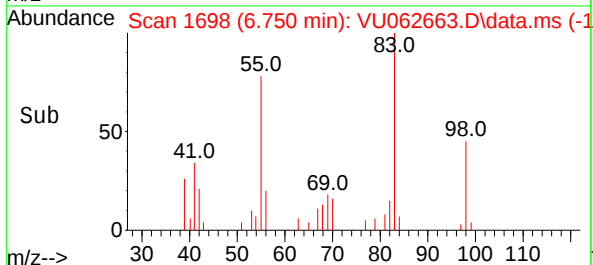
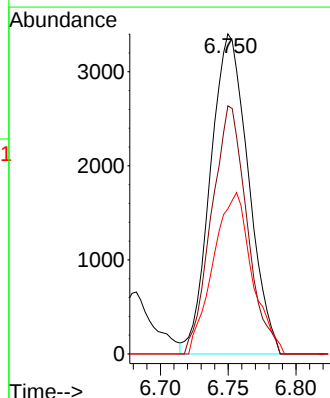
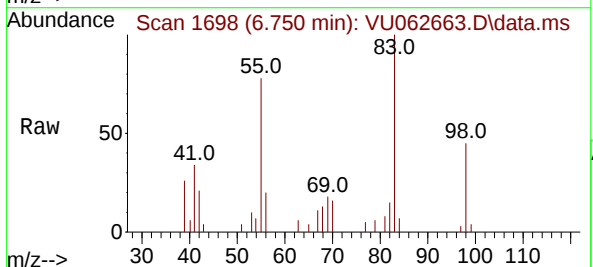
Tgt Ion: 83 Resp: 6617

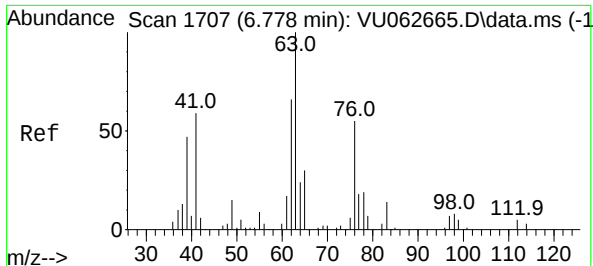
Ion Ratio Lower Upper

83 100

55 72.3 55.6 83.4

98 51.5 36.6 54.8

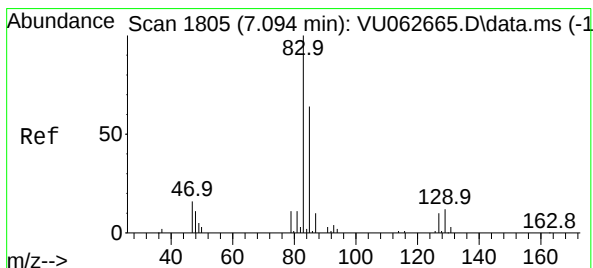
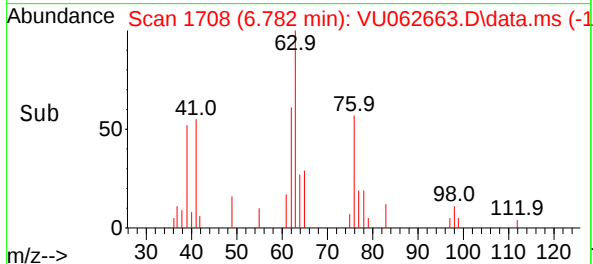
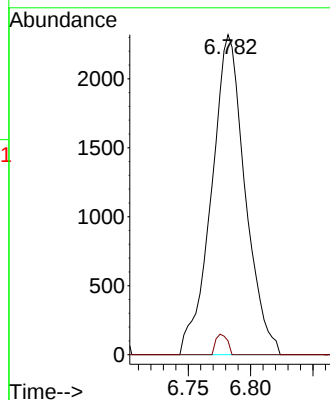
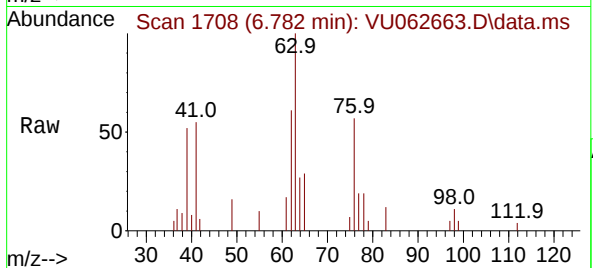




#37
1,2-Dichloropropane
Concen: 4.358 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

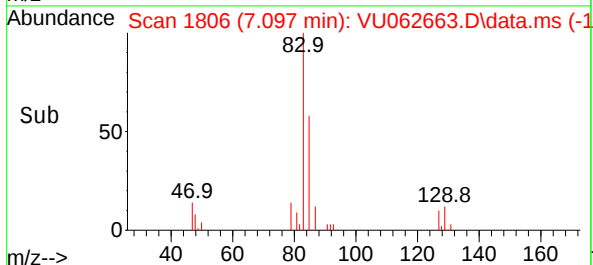
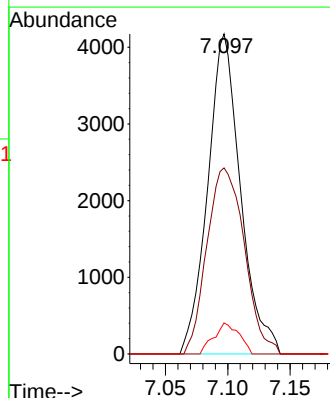
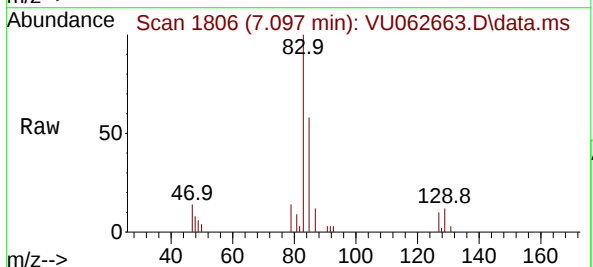
Instrument :
MSVOA_U
ClientSampleId :

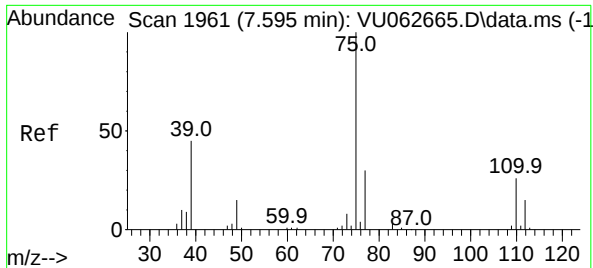
Tgt Ion: 63 Resp: 4351
Ion Ratio Lower Upper
63 100
112 2.2 3.6 5.4#



#38
Bromodichloromethane
Concen: 5.422 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.003 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

Tgt Ion: 83 Resp: 7649
Ion Ratio Lower Upper
83 100
85 58.2 44.9 83.3
127 9.7 7.8 11.6

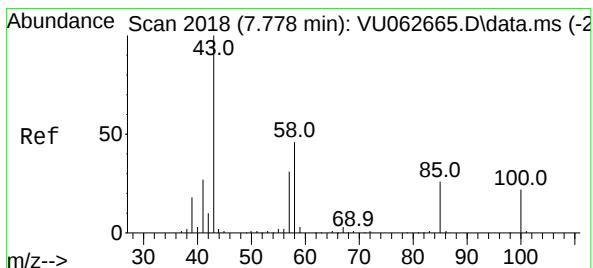
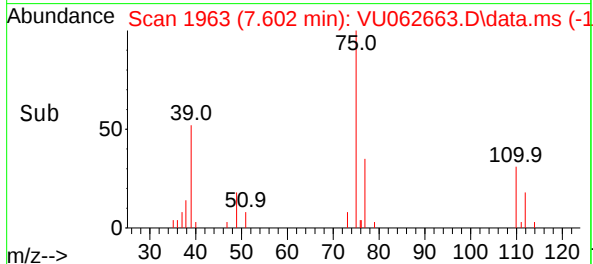
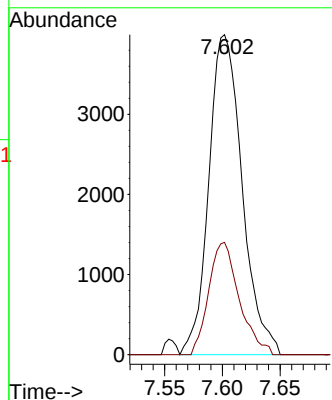
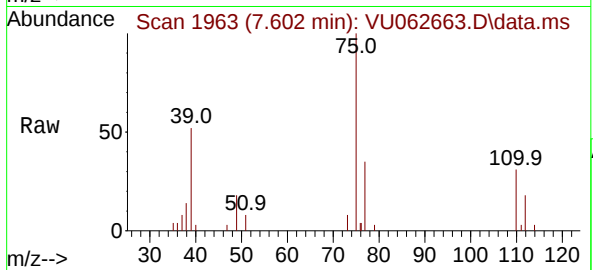




#39
 cis-1,3-Dichloropropene
 Concen: 4.859 ug/L
 RT: 7.602 min Scan# 1961
 Delta R.T. 0.007 min
 Lab File: VU062663.D
 Acq: 08 Jan 2025 09:58

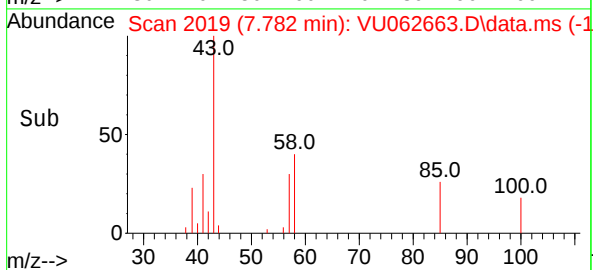
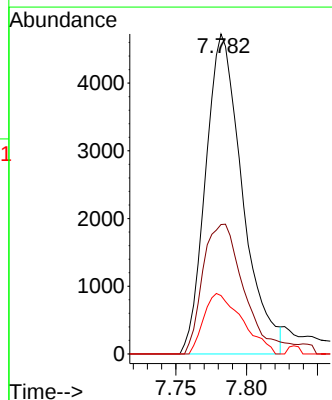
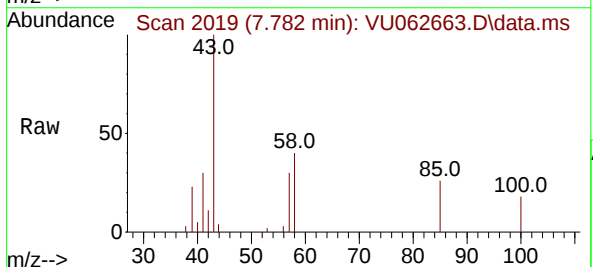
Instrument :
 MSVOA_U
 ClientSampleId :

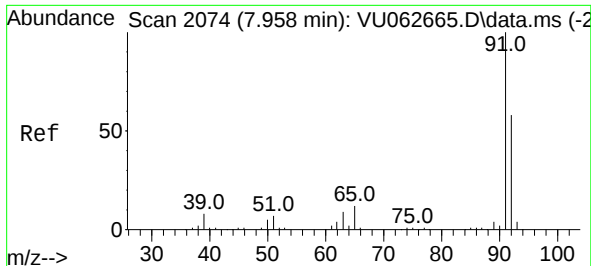
Tgt Ion: 75 Resp: 8028
 Ion Ratio Lower Upper
 75 100
 77 35.1 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 7.024 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.003 min
 Lab File: VU062663.D
 Acq: 08 Jan 2025 09:58

Tgt Ion: 43 Resp: 8532
 Ion Ratio Lower Upper
 43 100
 58 46.1 35.6 53.4
 100 19.7 16.9 25.3





#42

Toluene

Concen: 4.771 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

Instrument :

MSVOA_U

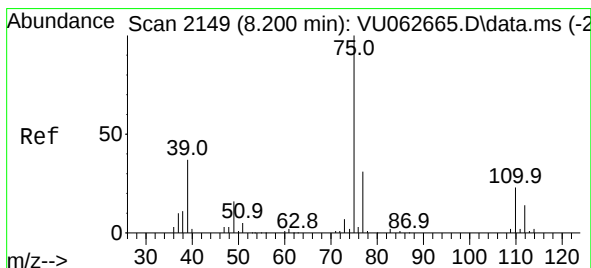
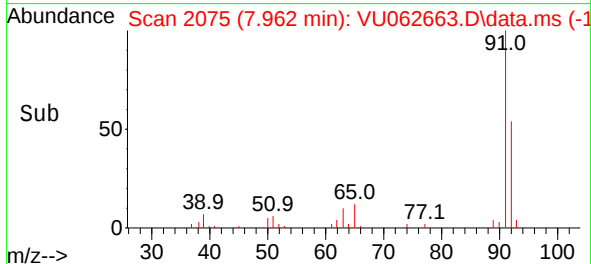
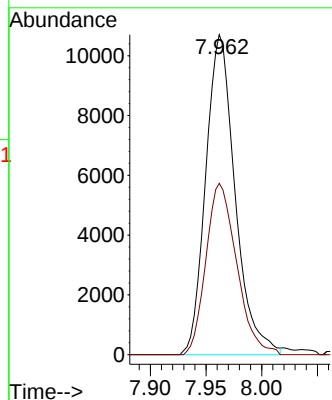
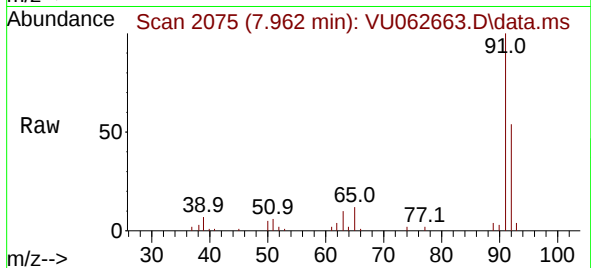
ClientSampleId :

Tgt Ion: 91 Resp: 19669

Ion Ratio Lower Upper

91 100

92 53.6 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 4.879 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.003 min

Lab File: VU062663.D

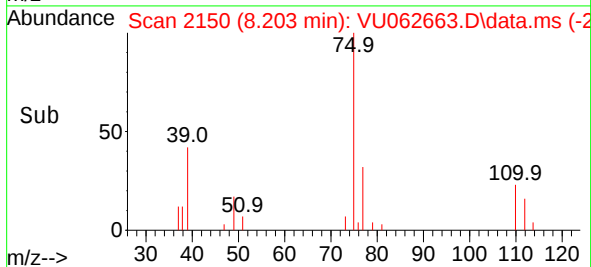
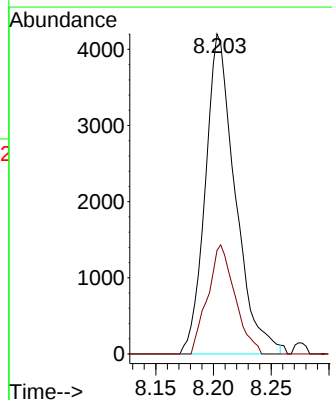
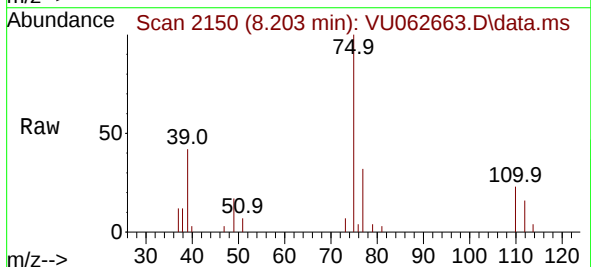
Acq: 08 Jan 2025 09:58

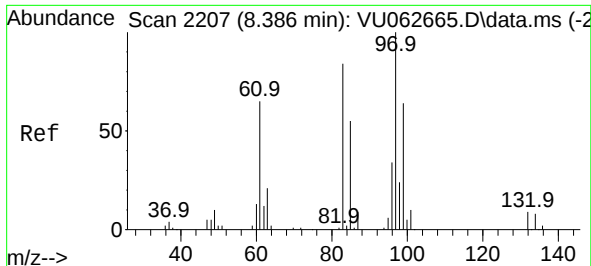
Tgt Ion: 75 Resp: 7550

Ion Ratio Lower Upper

75 100

77 32.4 21.4 39.8





#45

1,1,2-Trichloroethane

Concen: 4.878 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.007 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 4924

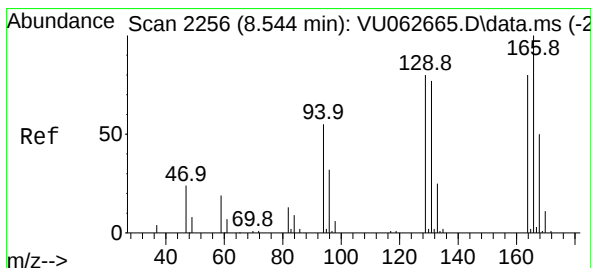
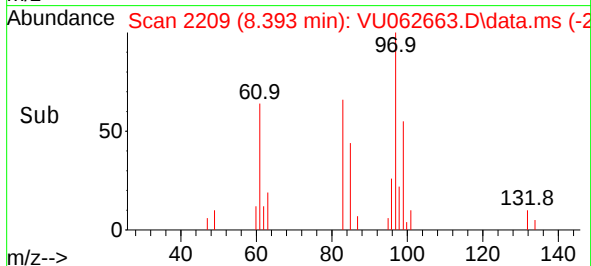
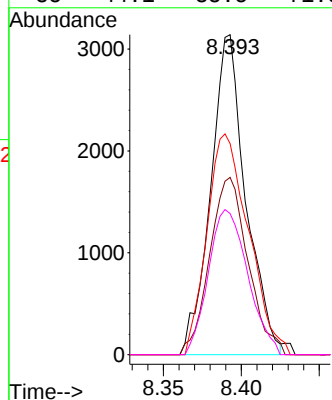
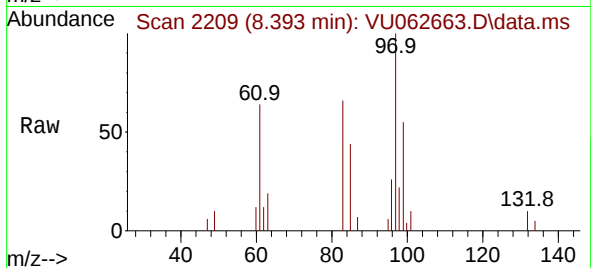
Ion Ratio Lower Upper

97 100

99 55.4 45.0 83.6

83 66.0 58.9 109.3

85 44.1 38.5 71.5



#46

Tetrachloroethene

Concen: 4.984 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

Tgt Ion:164 Resp: 4069

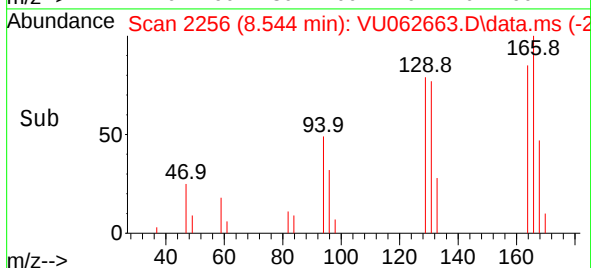
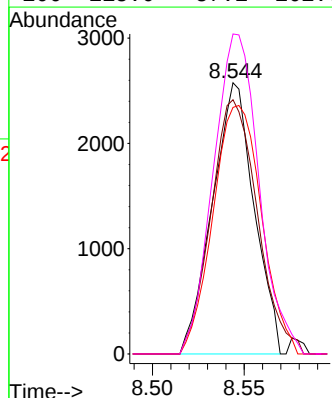
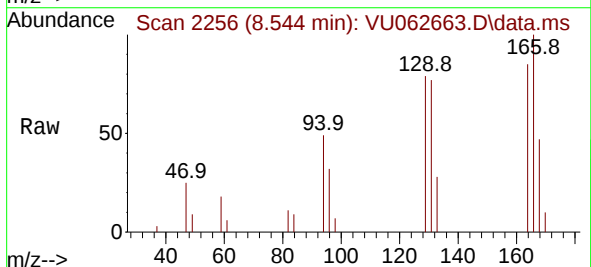
Ion Ratio Lower Upper

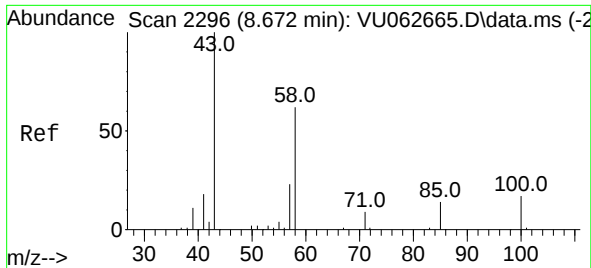
164 100

129 93.8 69.7 129.5

131 91.0 67.3 124.9

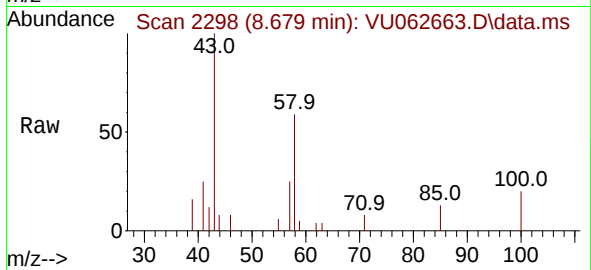
166 118.0 87.1 161.7



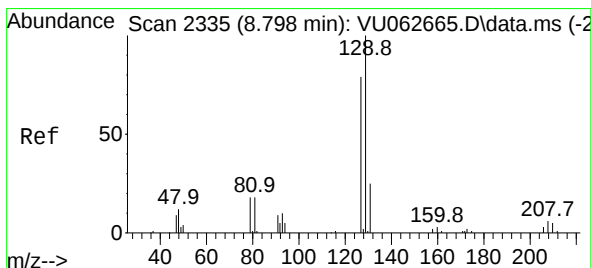
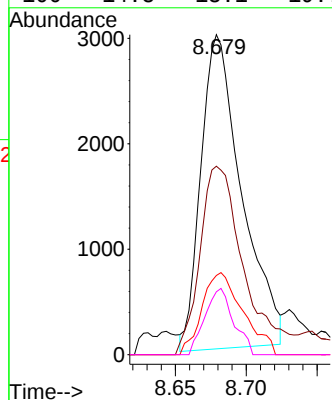
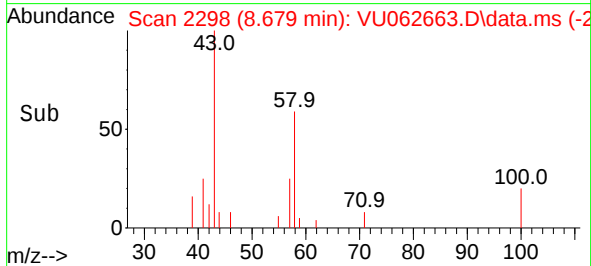


#48
2-Hexanone
Concen: 5.943 ug/L
RT: 8.679 min Scan# 2296
Delta R.T. 0.007 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

Instrument :
MSVOA_U
ClientSampleId :

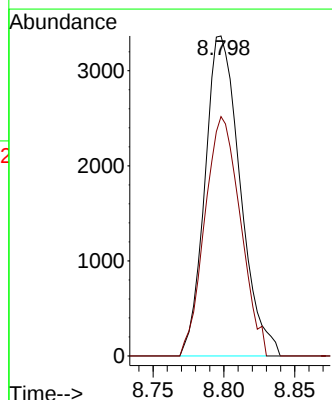
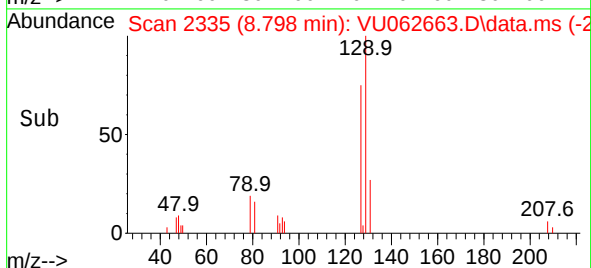
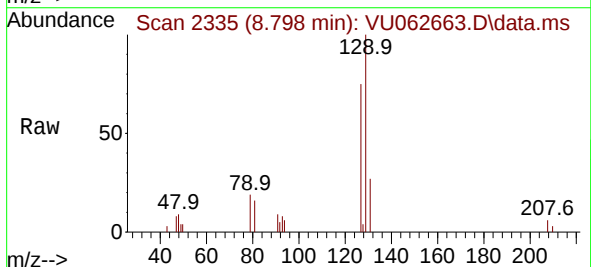


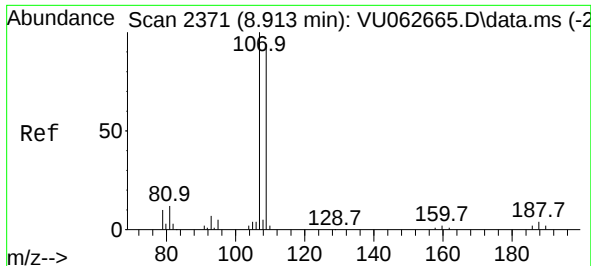
Tgt Ion: 43	Resp: 5966
Ion Ratio	Lower Upper
43 100	
58 64.2	48.6 73.0
57 24.6	18.6 28.0
100 14.8	13.1 19.7



#49
Dibromochloromethane
Concen: 5.366 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

Tgt Ion:129	Resp: 5825		
Ion Ratio	Lower	Upper	
129 100			
127 79.3	55.2	102.6	

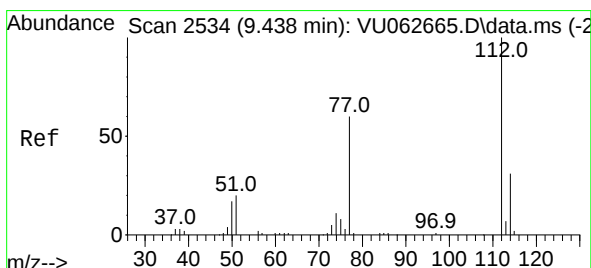
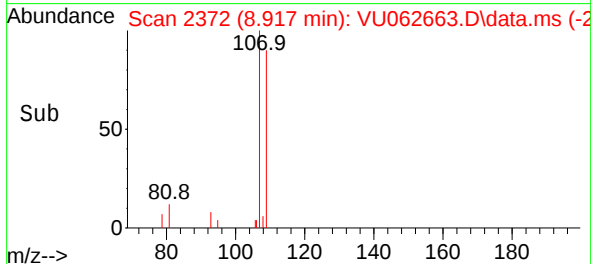
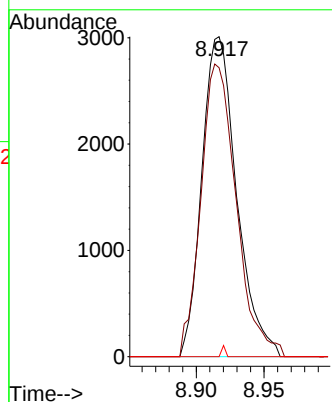
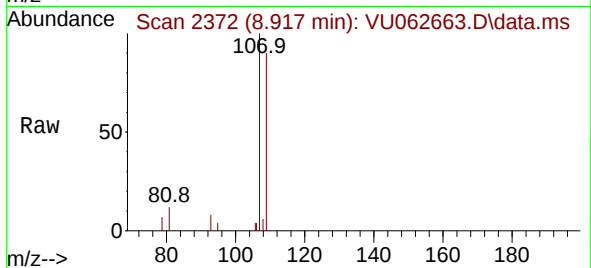




#50
1,2-Dibromoethane
Concen: 4.890 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.003 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

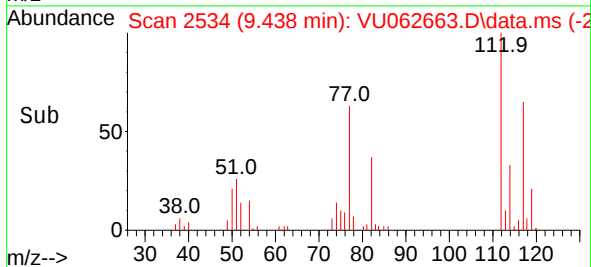
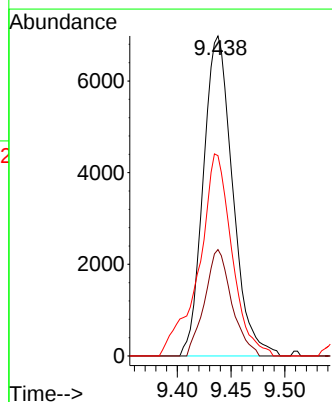
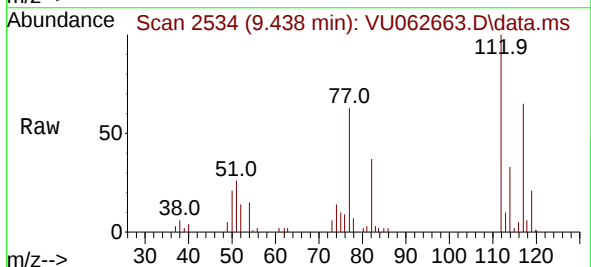
Instrument :
MSVOA_U
ClientSampleId :

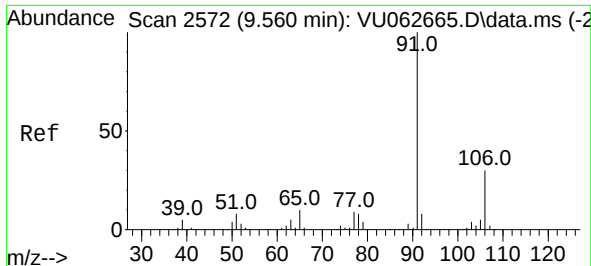
Tgt Ion:107 Resp: 5384
Ion Ratio Lower Upper
107 100
109 90.3 65.8 122.2
188 0.0 2.9 4.3#



#51
Chlorobenzene
Concen: 5.040 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

Tgt Ion:112 Resp: 13268
Ion Ratio Lower Upper
112 100
114 33.2 21.7 40.3
77 62.6 48.7 73.1

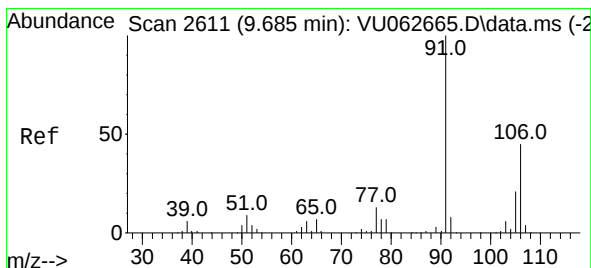
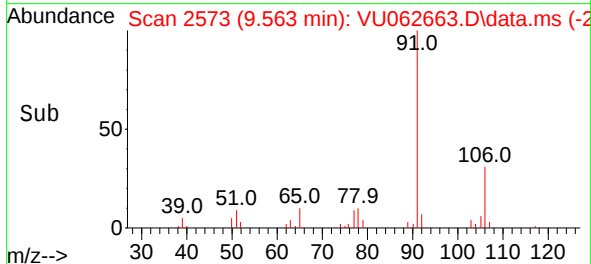
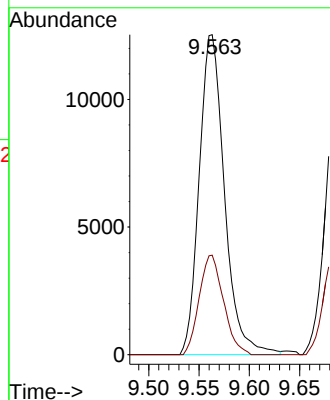
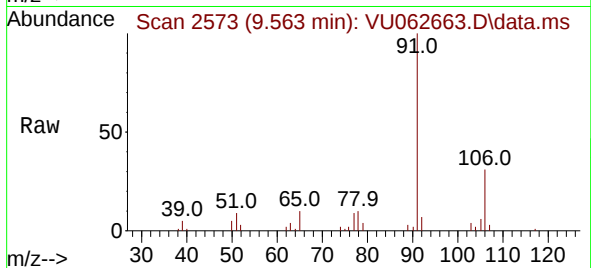




#52
Ethylbenzene
Concen: 4.805 ug/L
RT: 9.563 min Scan# 21900
Delta R.T. 0.003 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

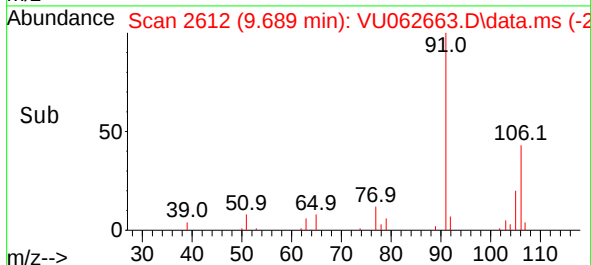
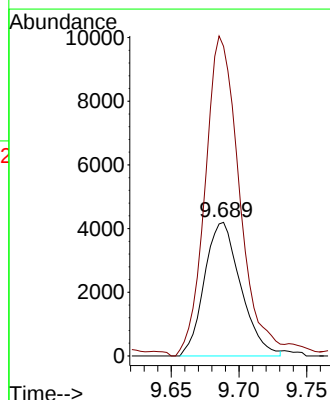
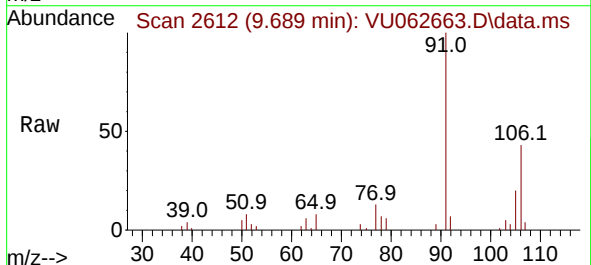
Instrument :
MSVOA_U
ClientSampleId :

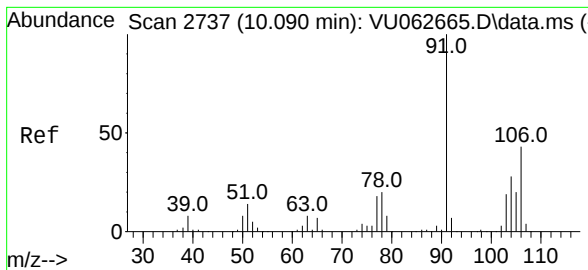
Tgt Ion: 91 Resp: 21900
Ion Ratio Lower Upper
91 100
106 31.1 20.9 38.9



#53
m,p-Xylene
Concen: 4.640 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.003 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

Tgt Ion:106 Resp: 7821
Ion Ratio Lower Upper
106 100
91 213.3 155.2 288.2

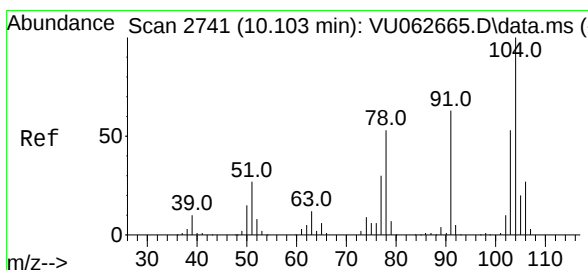
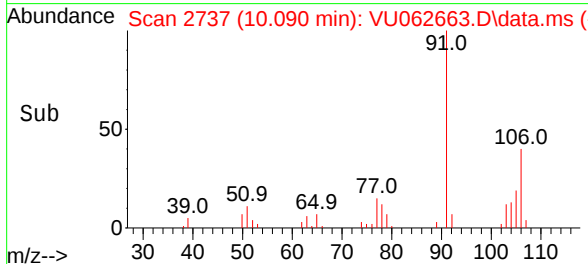
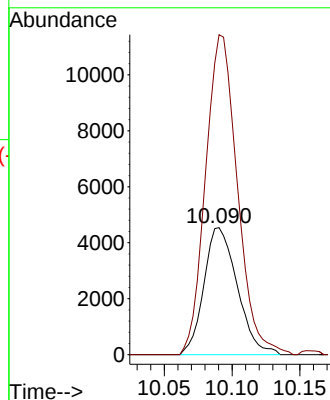
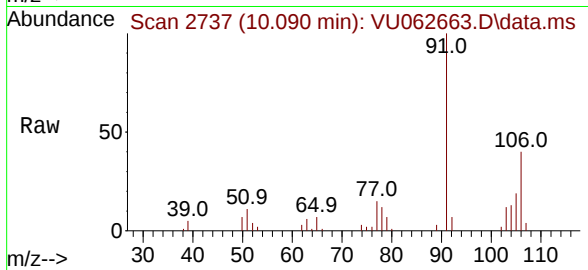




#54
o-Xylene
Concen: 4.697 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

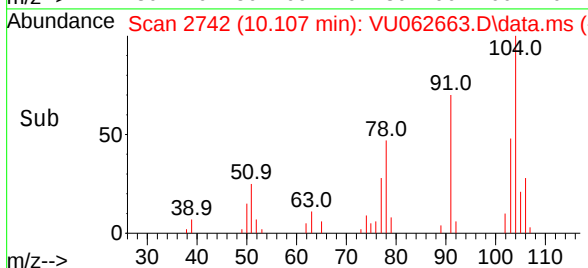
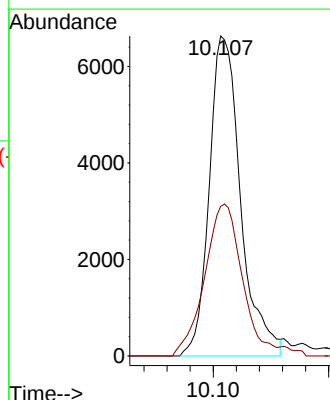
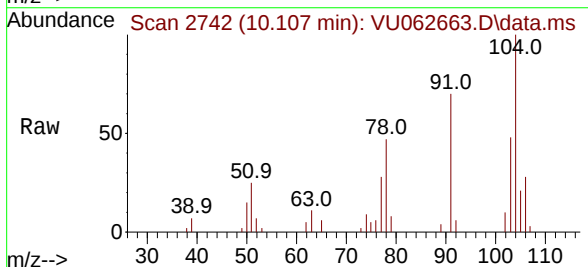
Instrument :
MSVOA_U
ClientSampleId :

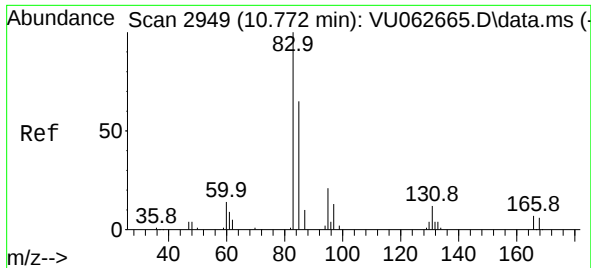
Tgt Ion:106 Resp: 7770
Ion Ratio Lower Upper
106 100
91 251.7 163.4 303.4



#55
Styrene
Concen: 4.495 ug/L
RT: 10.107 min Scan# 2742
Delta R.T. 0.003 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

Tgt Ion:104 Resp: 12515
Ion Ratio Lower Upper
104 100
78 46.8 37.4 69.4

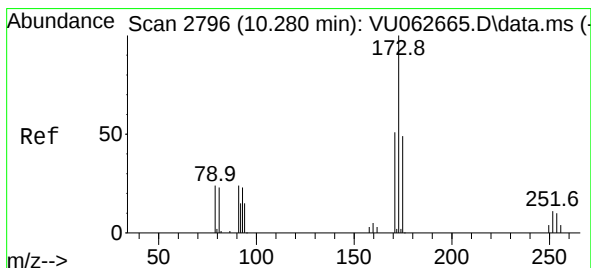
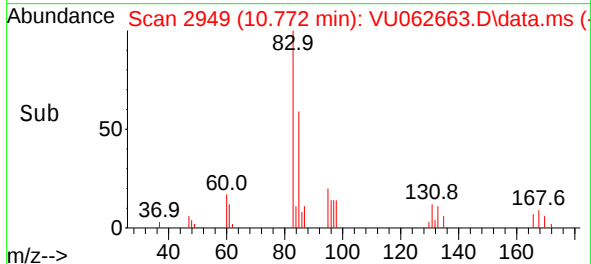
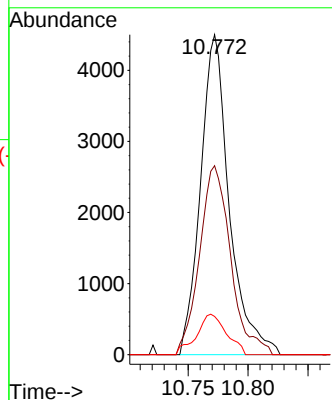
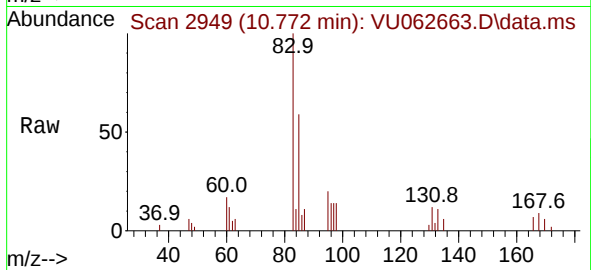




#57
1,1,2,2-Tetrachloroethane
Concen: 4.571 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

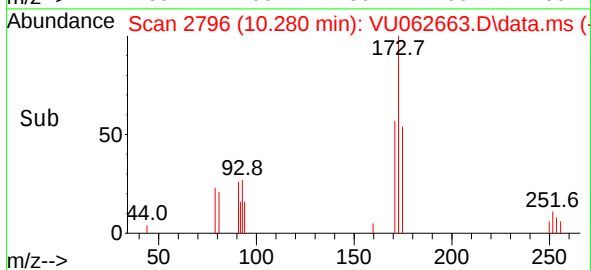
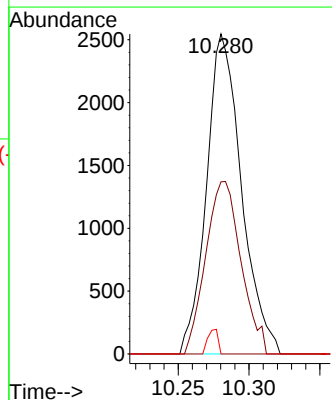
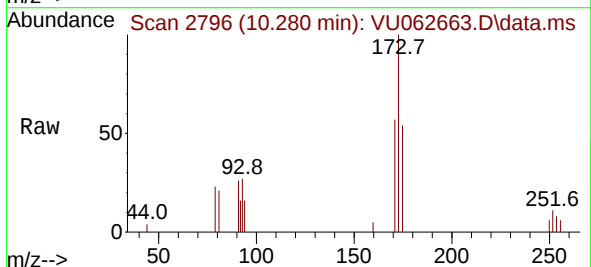
Instrument :
MSVOA_U
ClientSampleId :

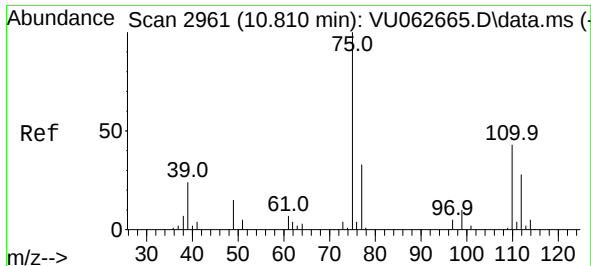
Tgt Ion: 83 Resp: 7514
Ion Ratio Lower Upper
83 100
85 59.1 46.5 86.5
131 11.9 10.1 15.1



#59
Bromoform
Concen: 5.347 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. 0.000 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

Tgt Ion:173 Resp: 4372
Ion Ratio Lower Upper
173 100
175 54.3 38.8 58.2
254 2.2 7.2 10.8#





#60

1,2,3-Trichloropropane

Concen: 5.210 ug/L

RT: 10.814 min Scan# 2961

Delta R.T. 0.003 min

Lab File: VU062663.D

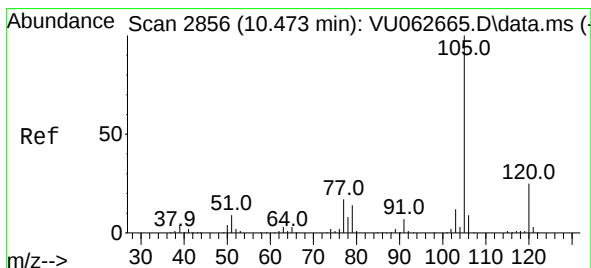
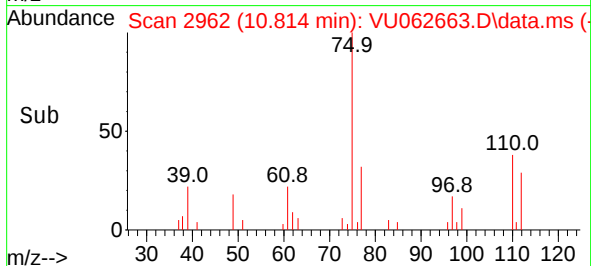
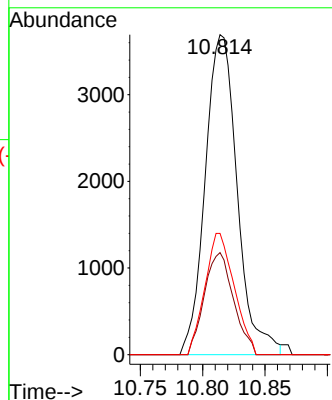
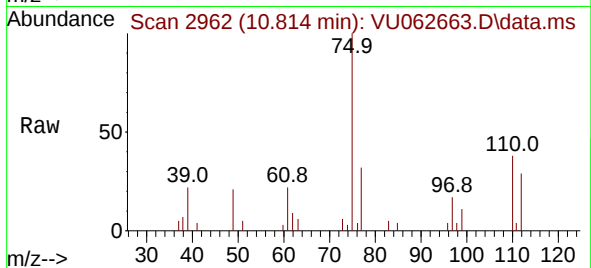
Acq: 08 Jan 2025 09:58

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 75	Resp: 6608
Ion Ratio	Lower Upper
75	100
77	29.1 26.6 40.0
110	34.6 34.6 52.0#



#61

Isopropylbenzene

Concen: 4.881 ug/L

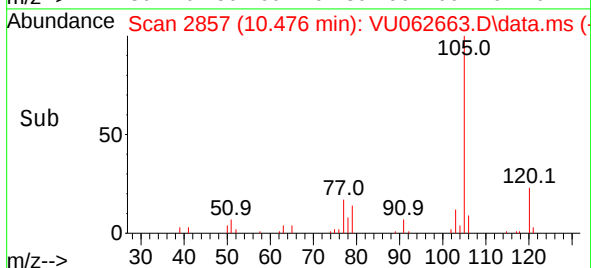
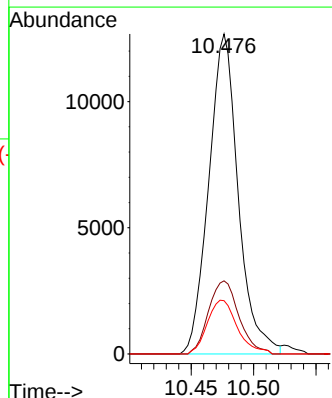
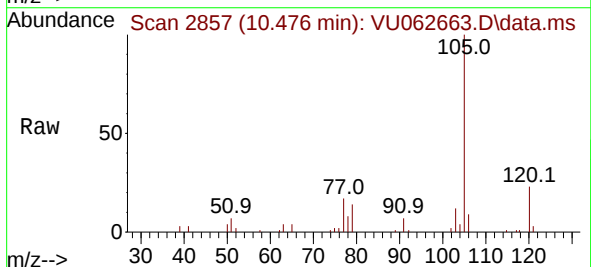
RT: 10.476 min Scan# 2857

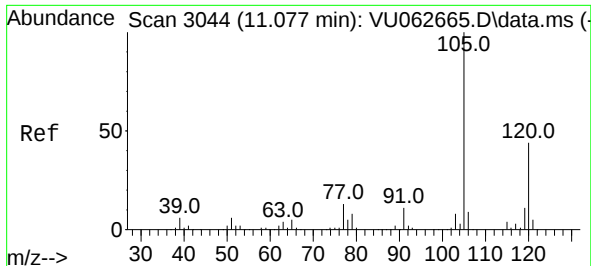
Delta R.T. 0.003 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

Tgt Ion: 105	Resp: 20861
Ion Ratio	Lower Upper
105	100
120	23.5 20.1 30.1
77	17.1 13.3 19.9





#62

1,3,5-Trimethylbenzene

Concen: 4.732 ug/L

RT: 11.078 min Scan# 3044

Delta R.T. 0.000 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

Instrument :

MSVOA_U

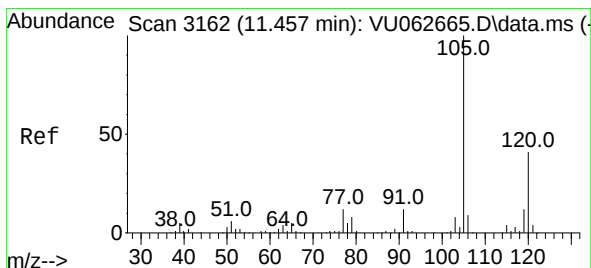
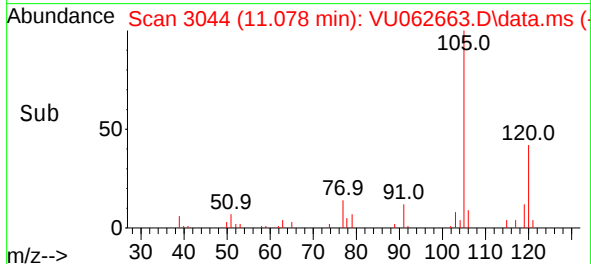
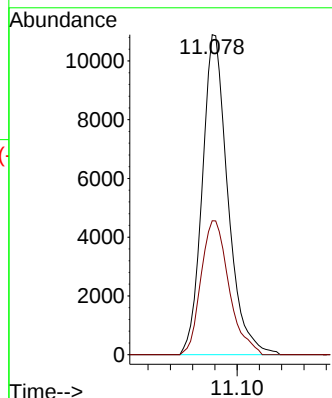
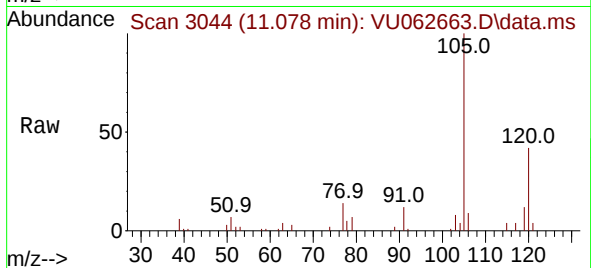
ClientSampleId :

Tgt Ion:105 Resp: 17360

Ion Ratio Lower Upper

105 100

120 45.9 36.0 54.0



#63

1,2,4-Trimethylbenzene

Concen: 4.734 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VU062663.D

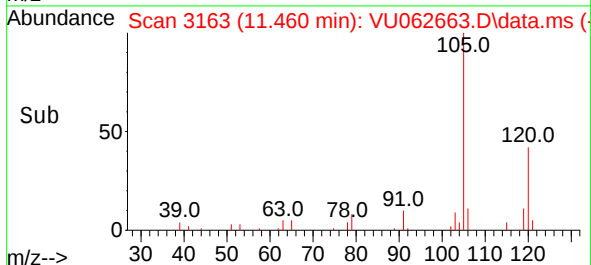
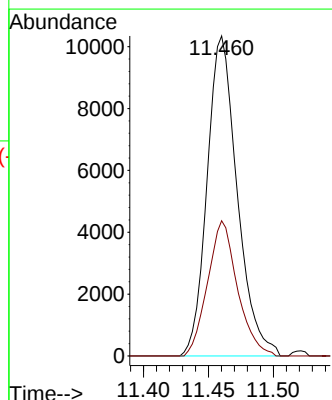
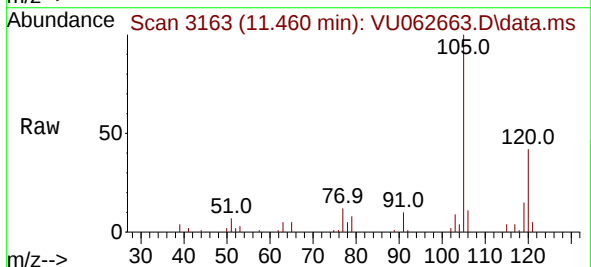
Acq: 08 Jan 2025 09:58

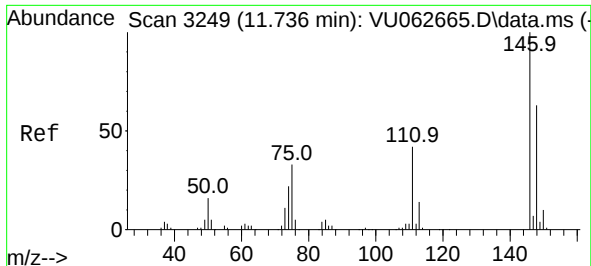
Tgt Ion:105 Resp: 16666

Ion Ratio Lower Upper

105 100

120 41.9 33.7 50.5

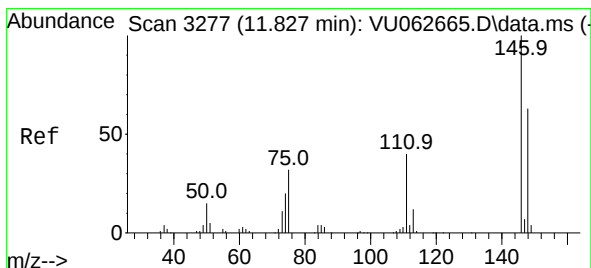
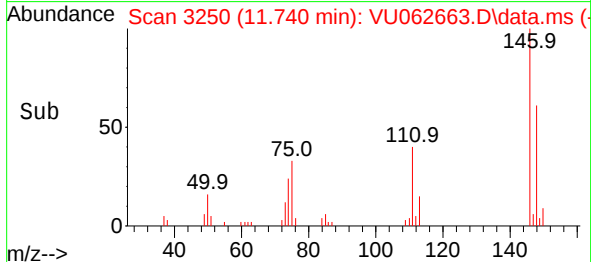
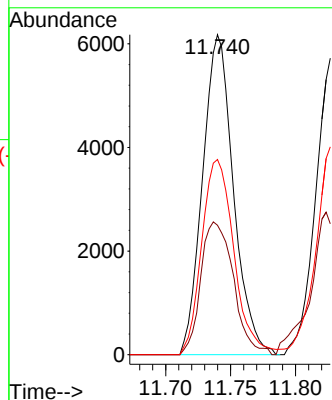
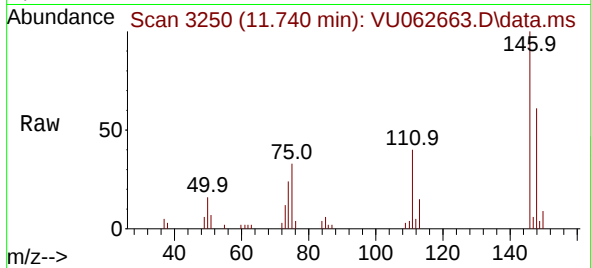




#64
1,3-Dichlorobenzene
Concen: 5.119 ug/L
RT: 11.740 min Scan# 3249
Delta R.T. 0.003 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

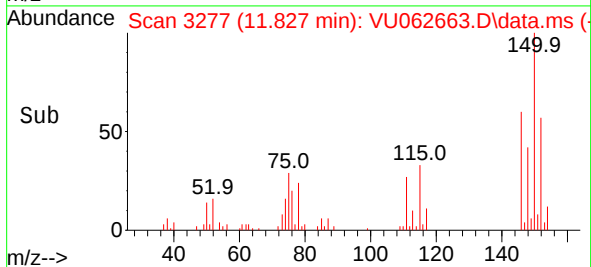
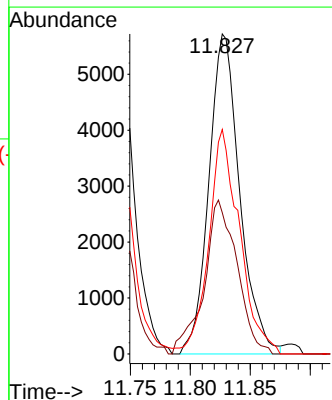
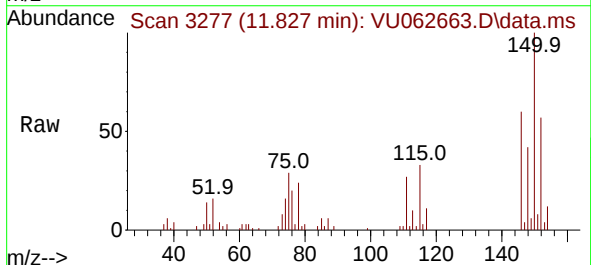
Instrument :
MSVOA_U
ClientSampleId :

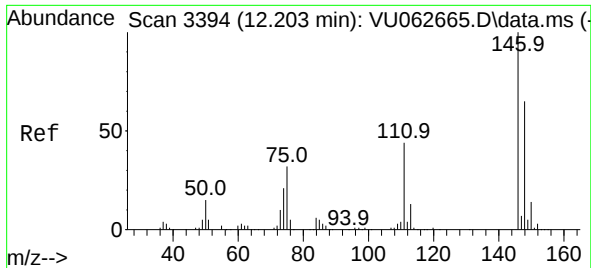
Tgt Ion:146 Resp: 10191
Ion Ratio Lower Upper
146 100
111 40.5 29.7 55.1
148 64.8 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 5.065 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

Tgt Ion:146 Resp: 10252
Ion Ratio Lower Upper
146 100
111 44.2 28.3 52.7
148 70.1 44.4 82.4

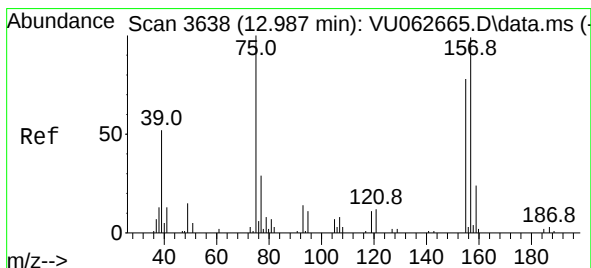
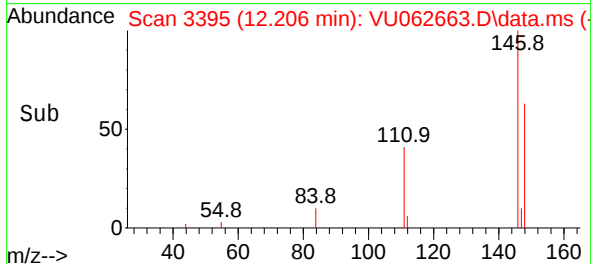
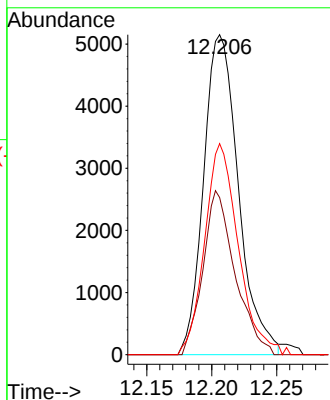
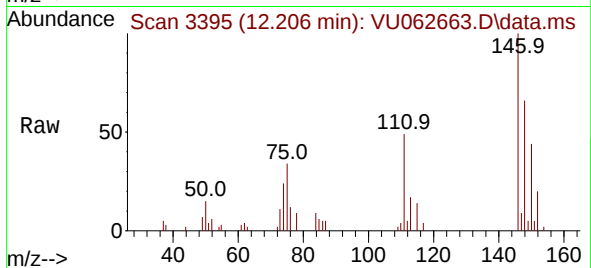




#67
1,2-Dichlorobenzene
Concen: 4.910 ug/L
RT: 12.206 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

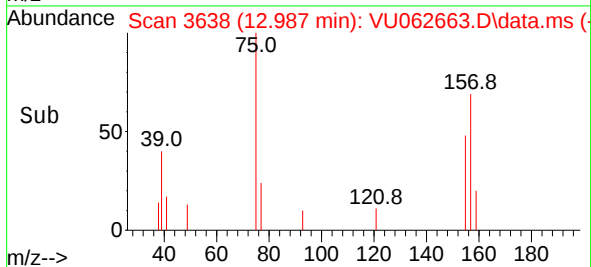
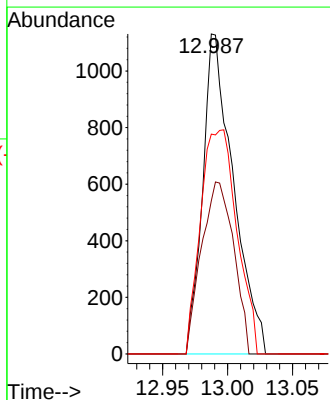
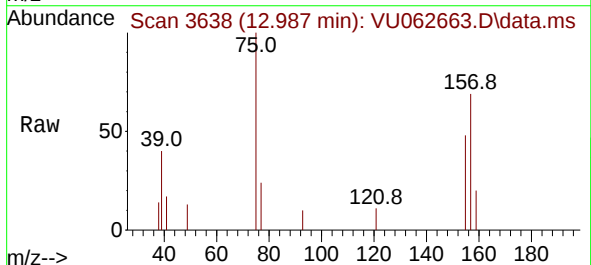
Instrument :
MSVOA_U
ClientSampleId :

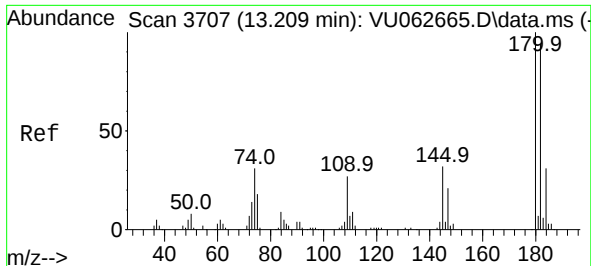
Tgt Ion:146 Resp: 9599
Ion Ratio Lower Upper
146 100
111 49.1 35.6 53.4
148 65.9 52.0 78.0



#68
1,2-Dibromo-3-chloropropane
Concen: 5.081 ug/L
RT: 12.987 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VU062663.D
Acq: 08 Jan 2025 09:58

Tgt Ion: 75 Resp: 1855
Ion Ratio Lower Upper
75 100
155 47.8 62.0 93.0#
157 68.7 82.1 123.1#





#69

1,3,5-Trichlorobenzene

Concen: 4.260 ug/L

RT: 13.219 min Scan# 31

Delta R.T. 0.010 min

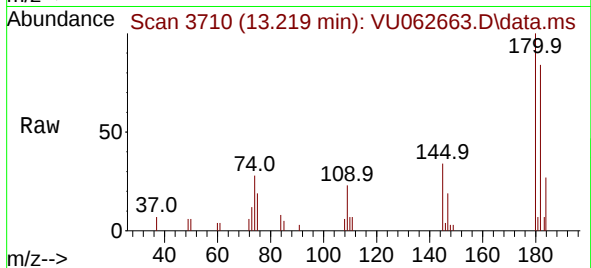
Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 5951

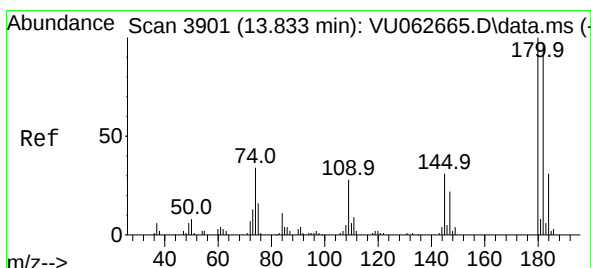
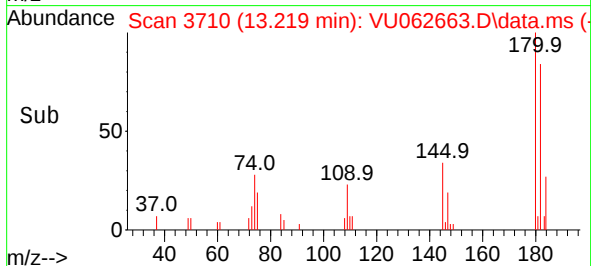
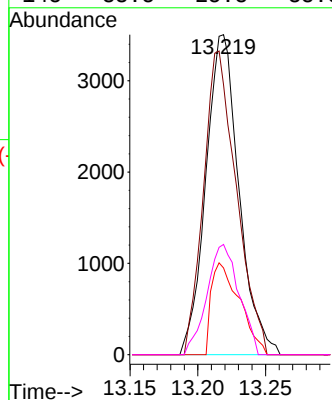
Ion Ratio Lower Upper

180 100

182 94.2 76.1 114.1

184 24.5 24.5 36.7

145 33.5 25.8 38.8



#70

1,2,4-trichlorobenzene

Concen: 3.465 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.007 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

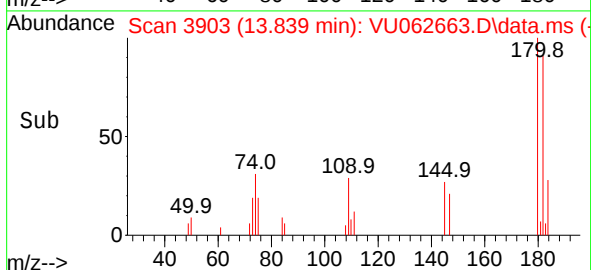
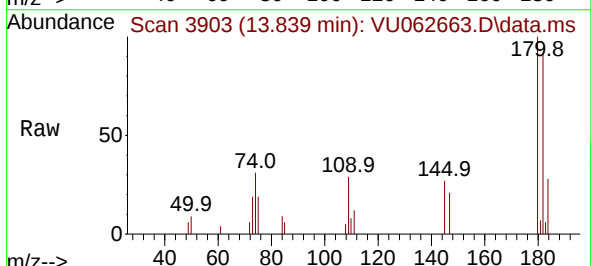
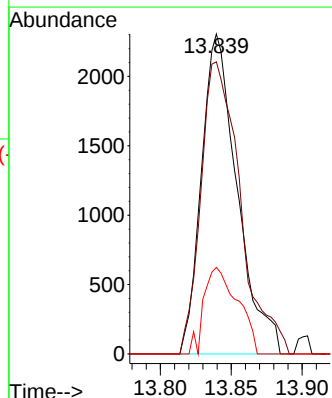
Tgt Ion:180 Resp: 4056

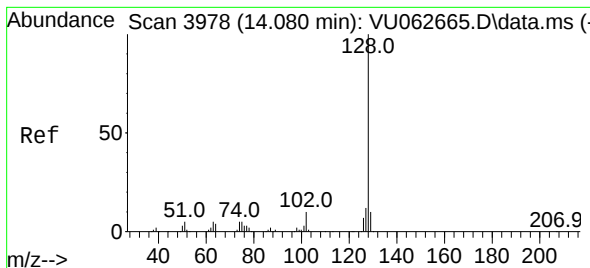
Ion Ratio Lower Upper

180 100

182 100.4 75.6 113.4

145 24.6 25.6 38.4#





#71

Naphthalene

Concen: 2.602 ug/L

RT: 14.093 min Scan# 3982

Delta R.T. 0.013 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

Instrument :

MSVOA_U

ClientSampleId :

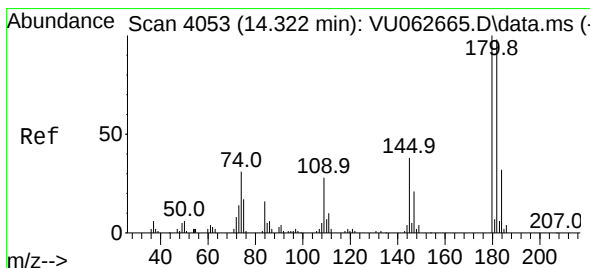
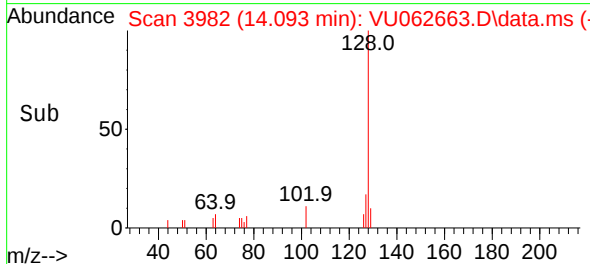
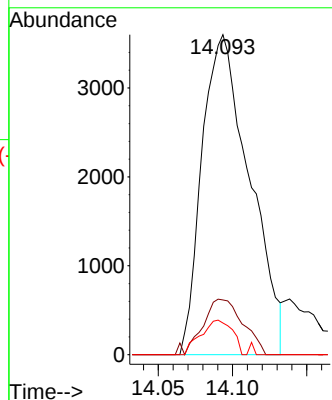
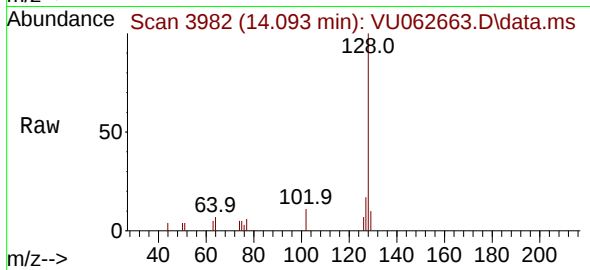
Tgt Ion:128 Resp: 8027

Ion Ratio Lower Upper

128 100

127 14.4 10.2 15.2

129 7.2 8.6 12.8#



#72

1,2,3-Trichlorobenzene

Concen: 3.547 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.007 min

Lab File: VU062663.D

Acq: 08 Jan 2025 09:58

Tgt Ion:180 Resp: 3944

Ion Ratio Lower Upper

180 100

182 100.1 79.0 118.4

145 39.5 29.5 44.3

