

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010825\
 Data File : VU062664.D
 Acq On : 08 Jan 2025 10:21
 Operator : MD/SY
 Sample : VSTD010
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 08 23:05:37 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	6.235	114	143527	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	137152	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	69382	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	9235	9.377	ug/L	0.00
7) Chloroethane-d5	1.904	69	7473	10.313	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	63	18928	9.993	ug/L	0.00
21) 2-Butanone-d5	4.628	46	8568	13.776	ug/L	0.02
24) Chloroform-d	5.052	84	21569	10.250	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	14690	10.841	ug/L	0.00
32) Benzene-d6	5.718	84	36020	9.257	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	10339	8.538	ug/L	0.00
41) Toluene-d8	7.888	98	34266	9.449	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	5767	9.248	ug/L	0.00
47) 2-Hexanone-d5	8.627	63	5867	13.430	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	15340	8.738	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.183	152	13061	9.529	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	14566	10.608	ug/L	99
3) Chloromethane	1.518	50	9958	9.142	ug/L	92
5) Vinyl chloride	1.602	62	10675	9.356	ug/L	97
6) Bromomethane	1.846	94	7903	11.794	ug/L	93
8) Chloroethane	1.927	64	6624	10.078	ug/L	89
9) Trichlorofluoromethane	2.132	101	22056	12.027	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	10067	10.182	ug/L	95
12) 1,1-Dichloroethene	2.573	96	9045	10.062	ug/L	84
13) Acetone	2.618	43	8093	11.130	ug/L	97
14) Carbon disulfide	2.785	76	27291	10.069	ug/L	97
15) Methyl Acetate	2.939	43	6926	7.386	ug/L	94
16) Methylene chloride	3.036	84	10184	9.975	ug/L	99
17) trans-1,2-Dichloroethene	3.345	96	9401	10.146	ug/L	93
18) Methyl tert-butyl Ether	3.351	73	32711	10.399	ug/L #	90
19) 1,1-Dichloroethane	3.856	63	16944	9.618	ug/L	98
20) cis-1,2-Dichloroethene	4.656	96	10471	9.934	ug/L	90
22) 2-Butanone	4.701	43	9105	11.447	ug/L #	67
23) Bromochloromethane	4.965	128	6151	11.001	ug/L	95
25) Chloroform	5.078	83	21067	10.825	ug/L	96
27) 1,2-Dichloroethane	5.782	62	17951	11.414	ug/L	97
29) Cyclohexane	5.373	56	13165	8.715	ug/L	98
30) 1,1,1-Trichloroethane	5.303	97	20111	11.070	ug/L	99
31) Carbon tetrachloride	5.512	117	18764	11.550	ug/L	97
33) Benzene	5.766	78	38398	9.596	ug/L	100
34) Trichloroethene	6.531	95	11930	10.689	ug/L	93
35) Methylcyclohexane	6.753	83	15412	9.289	ug/L	96
37) 1,2-Dichloropropane	6.782	63	9271	8.872	ug/L #	95
38) Bromodichloromethane	7.094	83	16101	10.904	ug/L #	97
39) cis-1,3-Dichloropropene	7.598	75	15861	9.171	ug/L	94
40) 4-Methyl-2-pentanone	7.779	43	19333	15.206	ug/L	97
42) Toluene	7.959	91	41978	9.727	ug/L	97
44) trans-1,3-Dichloropropene	8.203	75	15808	9.760	ug/L	98

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

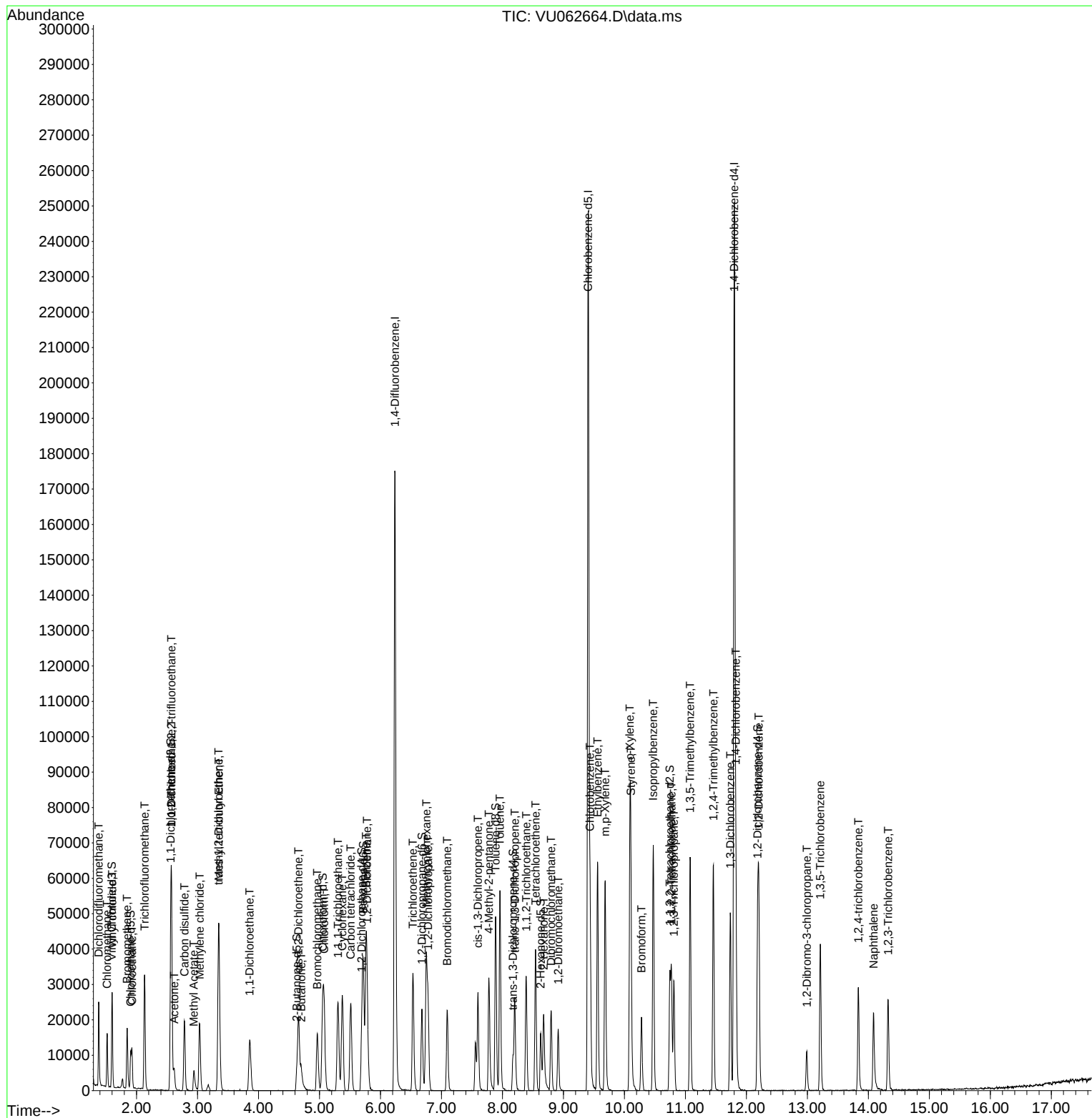
45) 1,1,2-Trichloroethane	8.389	97	10900	10.316	ug/L	95
46) Tetrachloroethene	8.544	164	9028	10.564	ug/L	91
48) 2-Hexanone	8.676	43	13529	12.876	ug/L	95
49) Dibromochloromethane	8.798	129	12677	11.156	ug/L	99
50) 1,2-Dibromoethane	8.914	107	12047	10.454	ug/L	91
51) Chlorobenzene	9.438	112	27298	9.907	ug/L	96
52) Ethylbenzene	9.560	91	47507	9.959	ug/L	96
53) m,p-Xylene	9.685	106	17447	9.889	ug/L	92
54) o-Xylene	10.090	106	16657	9.620	ug/L	95
55) Styrene	10.106	104	27994	9.606	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	15127	8.791	ug/L	96
59) Bromoform	10.280	173	9459	10.665	ug/L #	96
60) 1,2,3-Trichloropropane	10.811	75	12955	9.416	ug/L	96
61) Isopropylbenzene	10.473	105	45984	9.918	ug/L	99
62) 1,3,5-Trimethylbenzene	11.077	105	39120	9.831	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	37475	9.813	ug/L	97
64) 1,3-Dichlorobenzene	11.737	146	21432	9.925	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	21915	9.980	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	21495	10.135	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	3560	8.990	ug/L	99
69) 1,3,5-Trichlorobenzene	13.212	180	14253	9.406	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	9617	7.575	ug/L	97
71) Naphthalene	14.087	128	21292	6.363	ug/L	97
72) 1,2,3-Trichlorobenzene	14.325	180	9126	7.566	ug/L	95

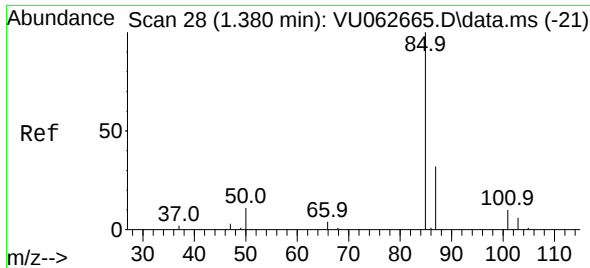
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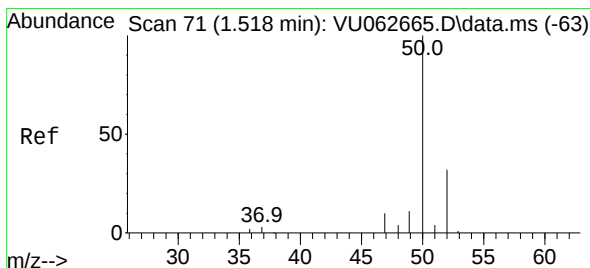
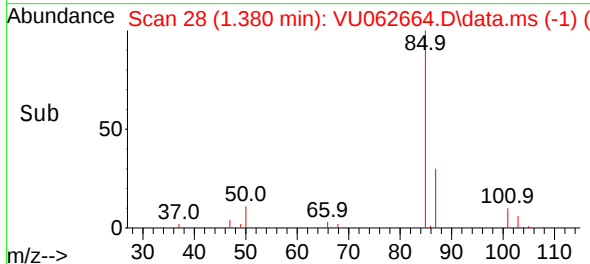
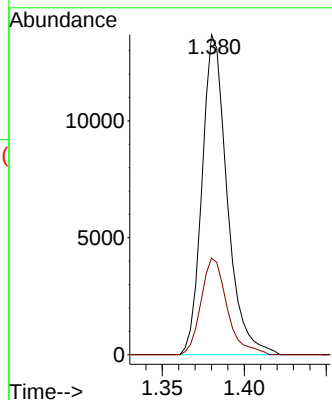
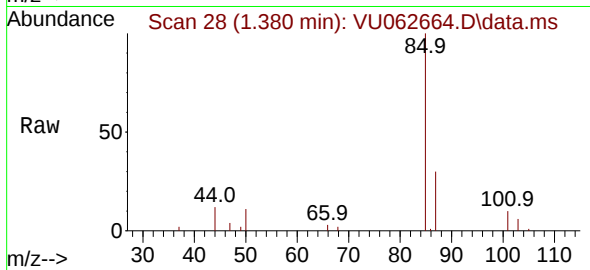




#2
 Dichlorodifluoromethane
 Concen: 10.608 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VU062664.D
 Acq: 08 Jan 2025 10:21

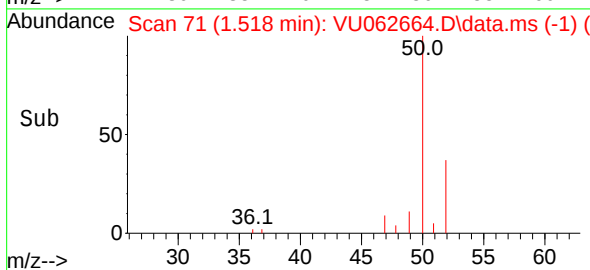
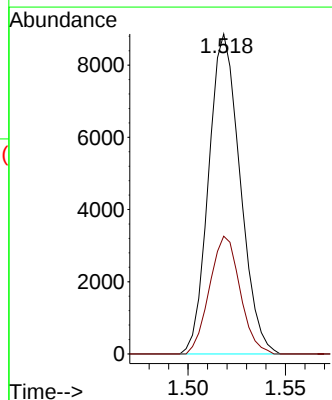
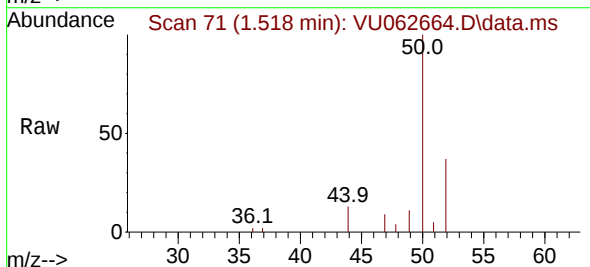
Instrument :
 MSVOA_U
 ClientSampleId :

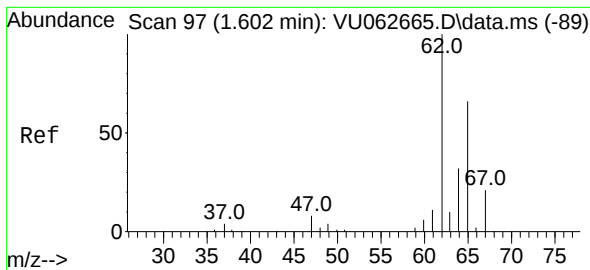
Tgt Ion: 85 Resp: 14566
 Ion Ratio Lower Upper
 85 100
 87 31.3 25.5 38.3



#3
 Chloromethane
 Concen: 9.142 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU062664.D
 Acq: 08 Jan 2025 10:21

Tgt Ion: 50 Resp: 9958
 Ion Ratio Lower Upper
 50 100
 52 36.8 22.5 41.9





#5

Vinyl chloride

Concen: 9.356 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

Instrument :

MSVOA_U

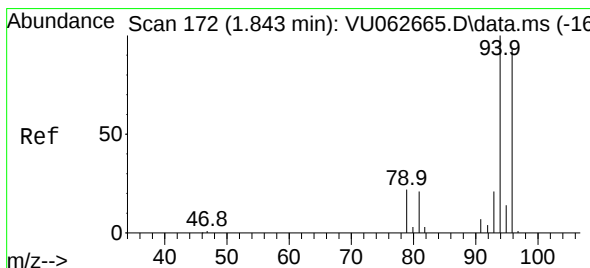
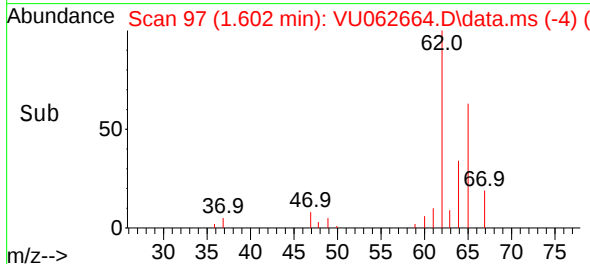
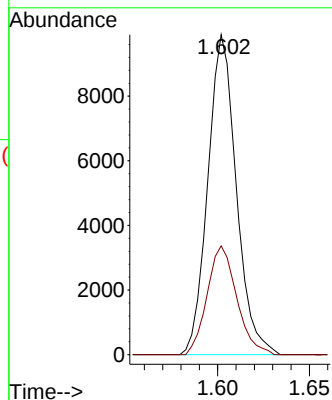
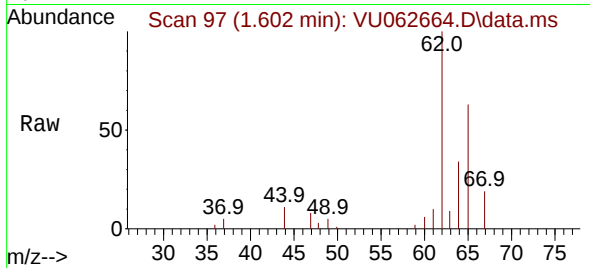
ClientSampleId :

Tgt Ion: 62 Resp: 10675

Ion Ratio Lower Upper

62 100

64 34.0 22.7 42.1



#6

Bromomethane

Concen: 11.794 ug/L

RT: 1.846 min Scan# 173

Delta R.T. 0.003 min

Lab File: VU062664.D

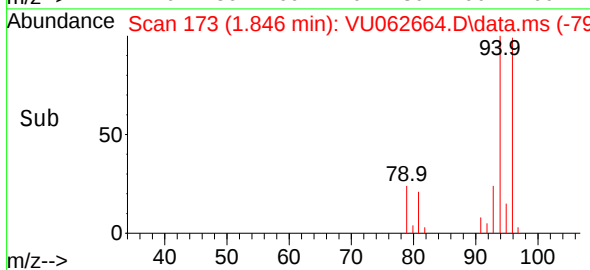
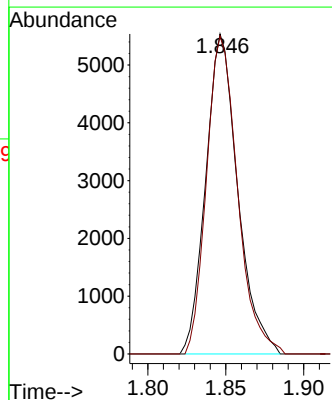
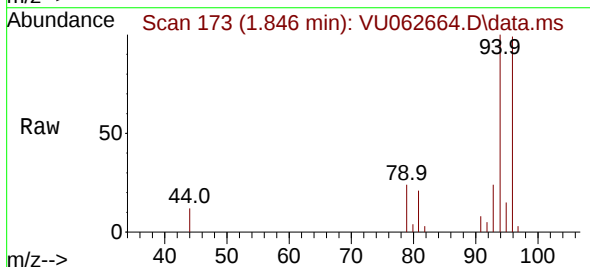
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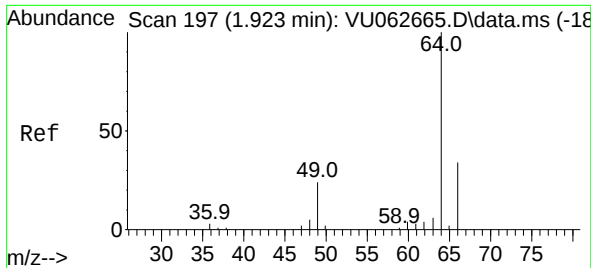
Tgt Ion: 94 Resp: 7903

Ion Ratio Lower Upper

94 100

96 99.3 65.2 121.0

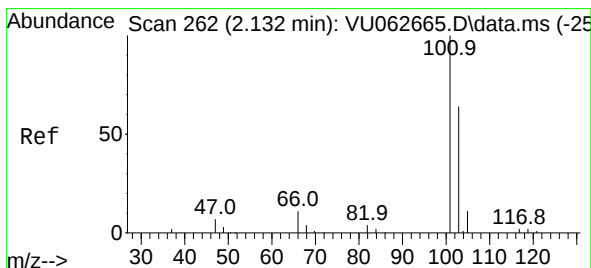
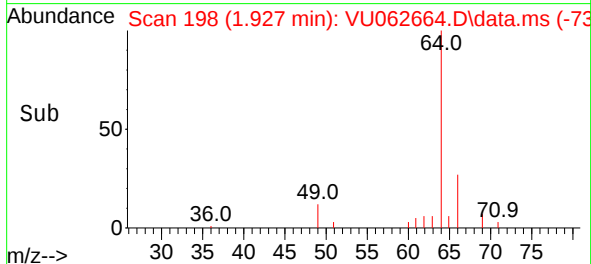
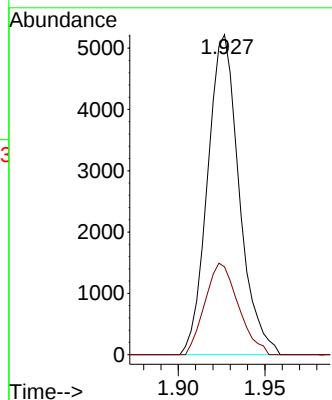
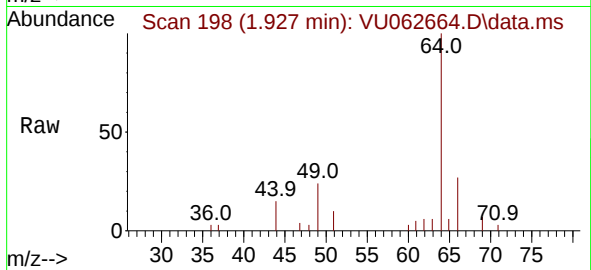




#8
Chloroethane
Concen: 10.078 ug/L
RT: 1.927 min Scan# 197
Delta R.T. 0.003 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

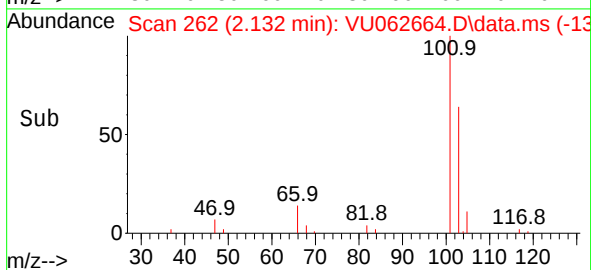
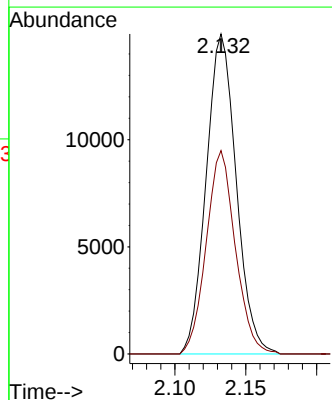
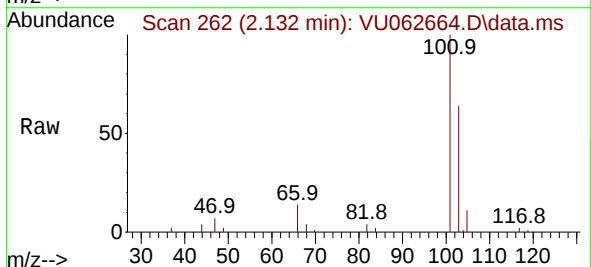
Instrument :
MSVOA_U
ClientSampleId :

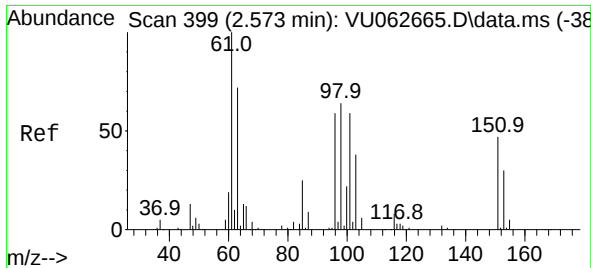
Tgt Ion: 64 Resp: 6624
Ion Ratio Lower Upper
64 100
66 27.4 23.6 43.8



#9
Trichlorofluoromethane
Concen: 12.027 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

Tgt Ion:101 Resp: 22056
Ion Ratio Lower Upper
101 100
103 61.5 51.0 76.4

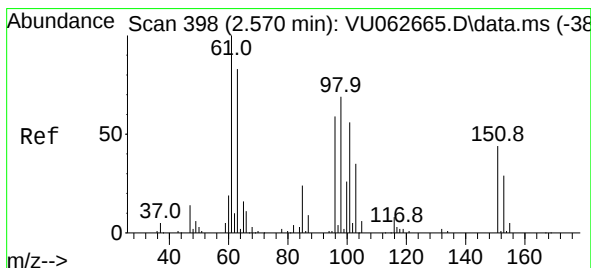
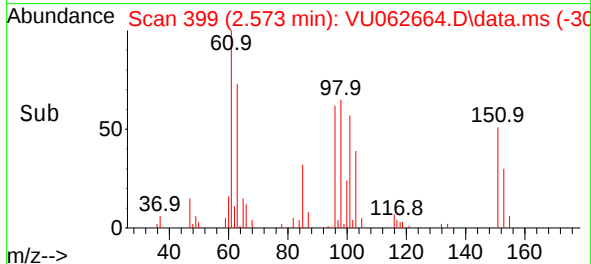
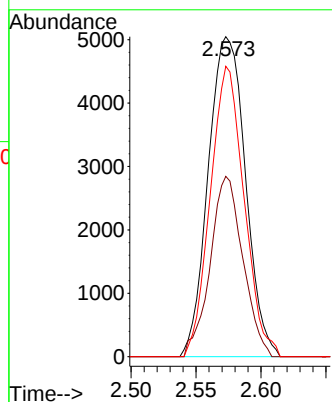
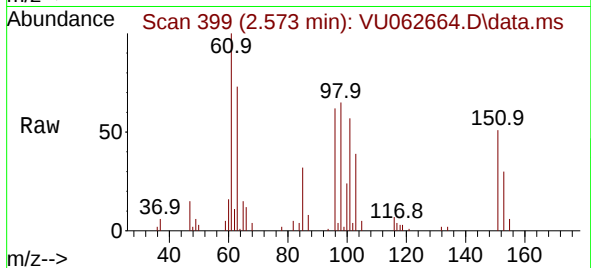




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.182 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

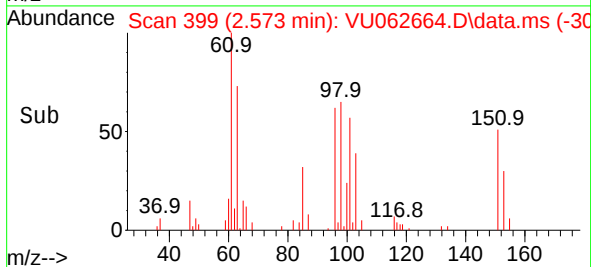
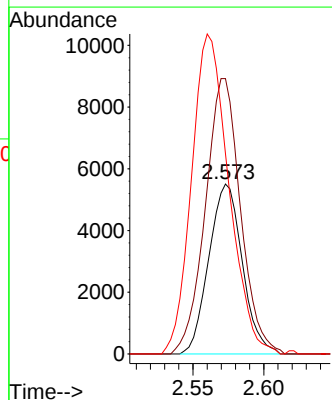
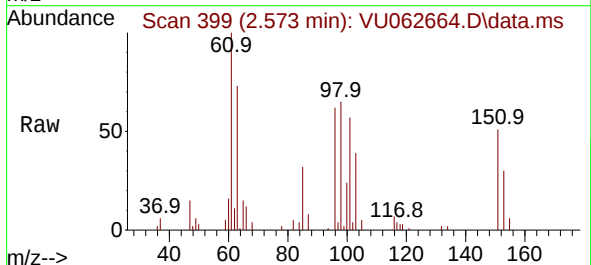
Instrument :
MSVOA_U
ClientSampleId :

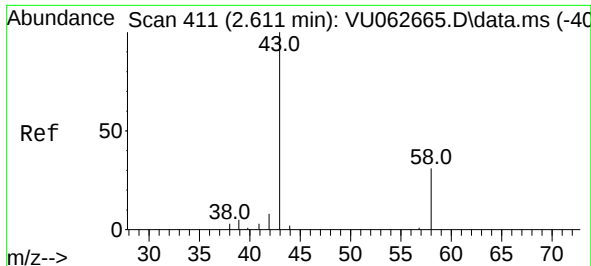
Tgt Ion:	101	Resp:	10067
Ion Ratio	Lower	Upper	
101	100		
85	49.4	35.9	53.9
151	82.3	63.0	94.6



#12
1,1-Dichloroethene
Concen: 10.062 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.003 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

Tgt Ion:	96	Resp:	9045
Ion Ratio	Lower	Upper	
96	100		
61	162.0	119.9	222.7
63	117.8	106.3	197.5





#13

Acetone

Concen: 11.130 ug/L

RT: 2.618 min Scan# 411

Delta R.T. 0.006 min

Lab File: VU062664.D

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Instrument :

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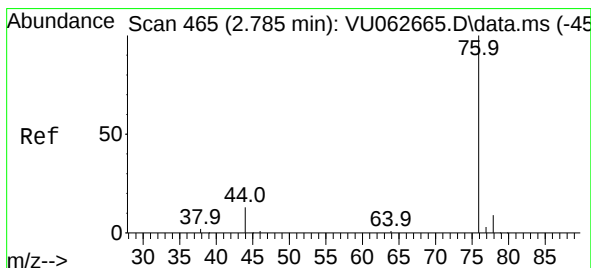
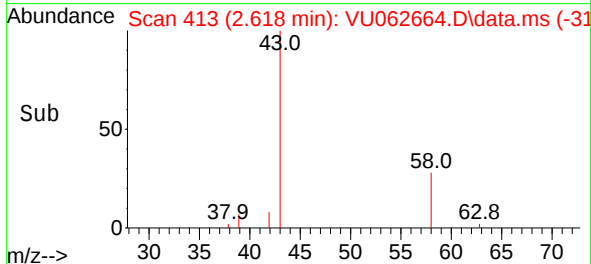
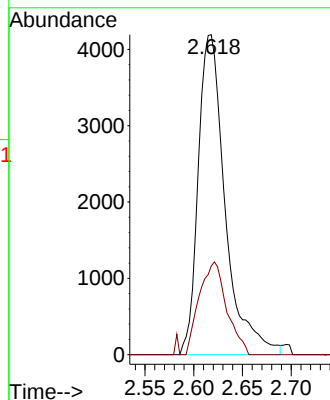
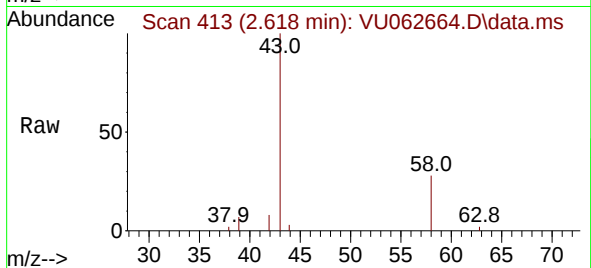
ClientSampleId :

Tgt Ion: 43 Resp: 8093

Ion Ratio Lower Upper

43 100

58 29.4 0.0 62.4



#14

Carbon disulfide

Concen: 10.069 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU062664.D

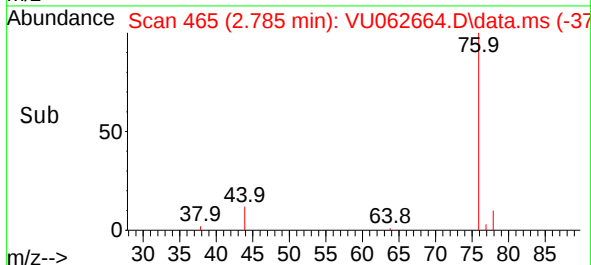
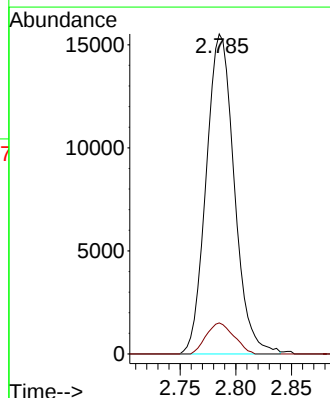
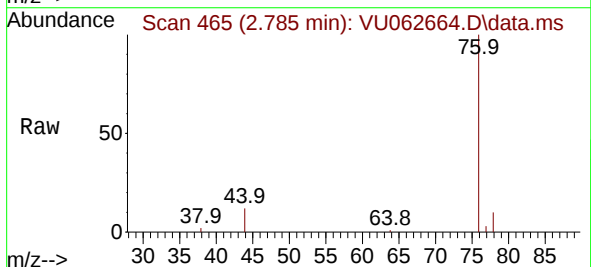
Acq: 08 Jan 2025 10:21

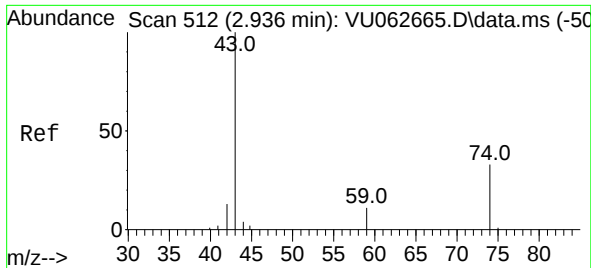
Tgt Ion: 76 Resp: 27291

Ion Ratio Lower Upper

76 100

78 9.7 6.9 10.3





#15

Methyl Acetate

Concen: 7.386 ug/L

RT: 2.939 min Scan# 51

Delta R.T. 0.003 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

Instrument :

MSVOA_U

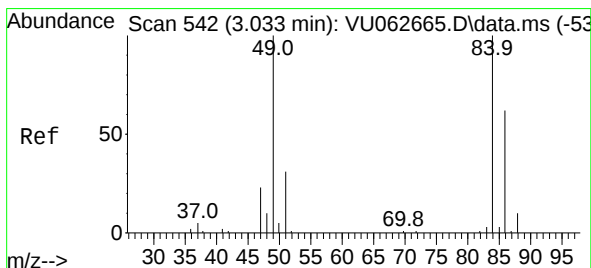
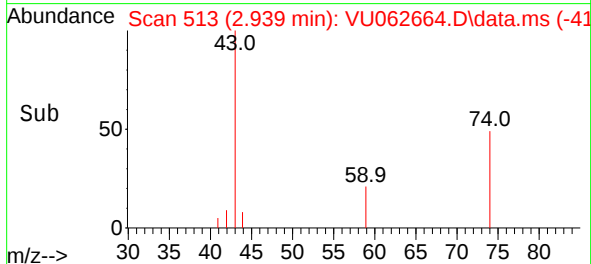
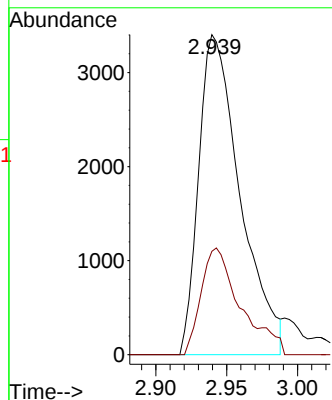
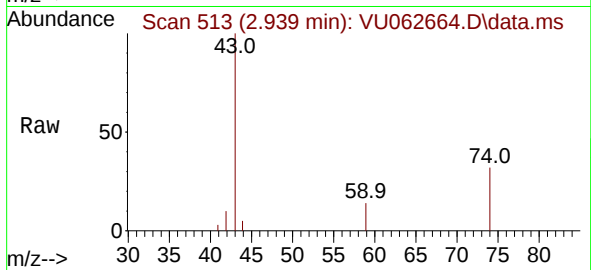
ClientSampleId :

Tgt Ion: 43 Resp: 6926

Ion Ratio Lower Upper

43 100

74 28.4 25.4 38.0



#16

Methylene chloride

Concen: 9.975 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.003 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

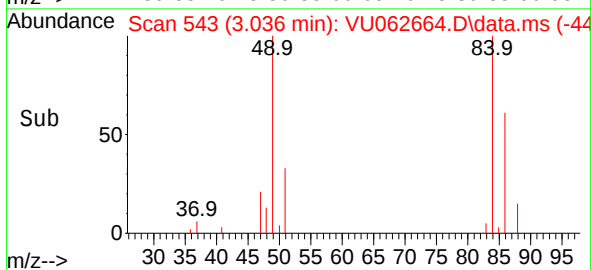
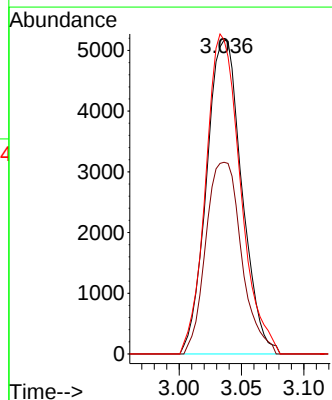
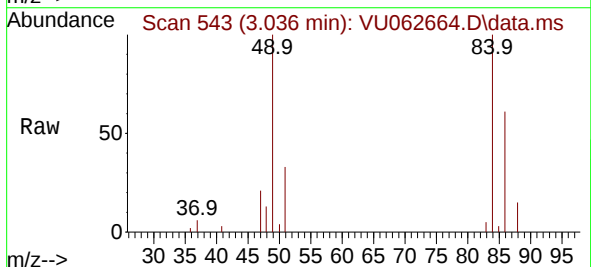
Tgt Ion: 84 Resp: 10184

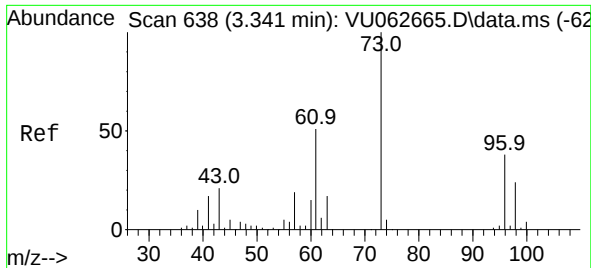
Ion Ratio Lower Upper

84 100

86 61.1 43.8 81.4

49 100.1 70.3 130.5

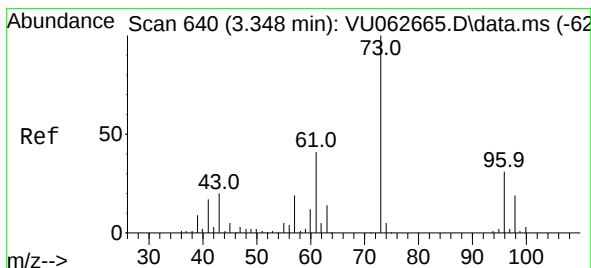
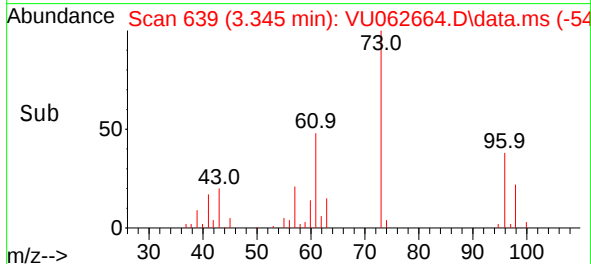
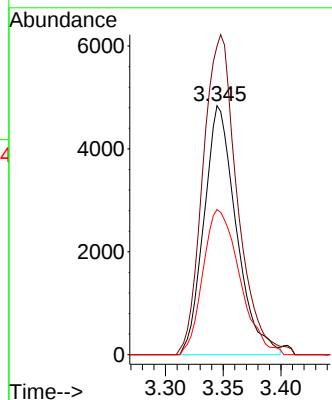
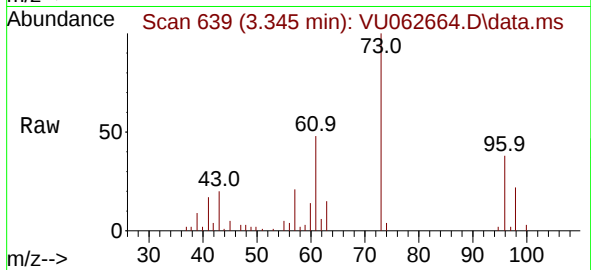




#17
trans-1,2-Dichloroethene
Concen: 10.146 ug/L
RT: 3.345 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

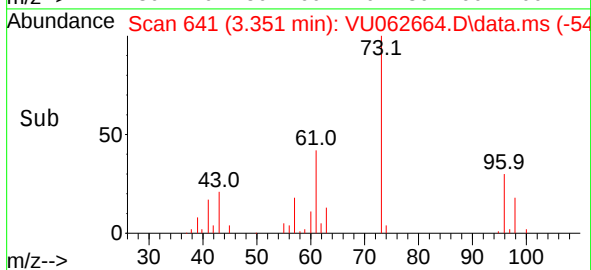
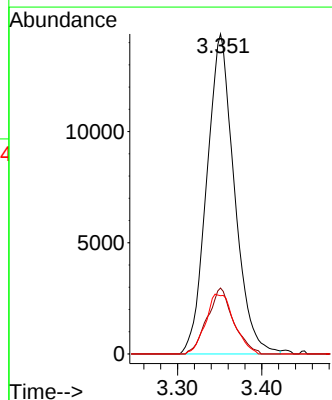
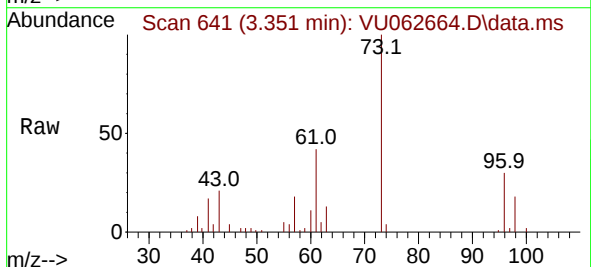
Instrument :
MSVOA_U
ClientSampleId :

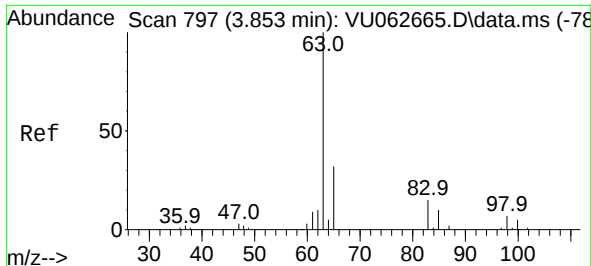
Tgt Ion: 96 Resp: 9401
Ion Ratio Lower Upper
96 100
61 123.9 92.9 172.5
98 58.3 43.8 81.3



#18
Methyl tert-butyl Ether
Concen: 10.399 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

Tgt Ion: 73 Resp: 32711
Ion Ratio Lower Upper
73 100
43 19.5 16.5 24.7
57 10.6 15.0 22.6#





#19

1,1-Dichloroethane

Concen: 9.618 ug/L

RT: 3.856 min Scan# 797

Delta R.T. 0.003 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

Instrument :

MSVOA_U

ClientSampleId :

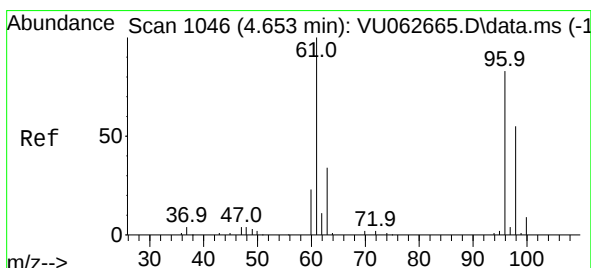
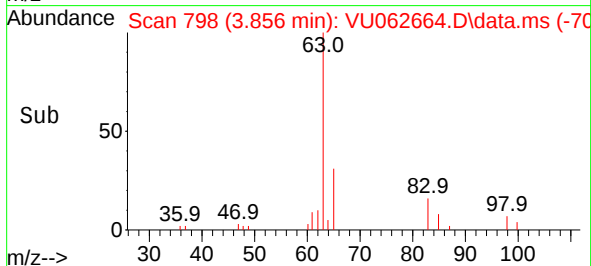
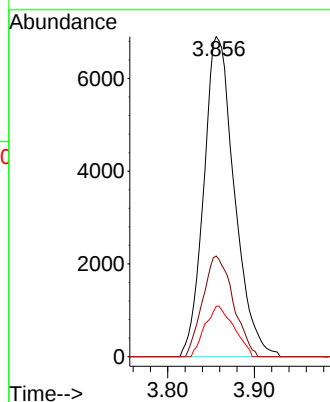
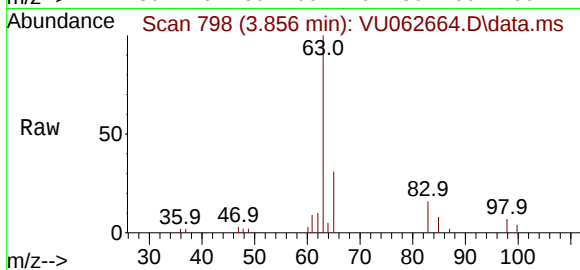
Tgt Ion: 63 Resp: 16944

Ion Ratio Lower Upper

63 100

65 31.5 22.7 42.1

83 15.7 10.1 18.9



#20

cis-1,2-Dichloroethene

Concen: 9.934 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. 0.003 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

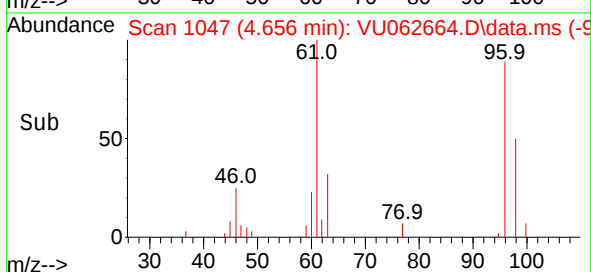
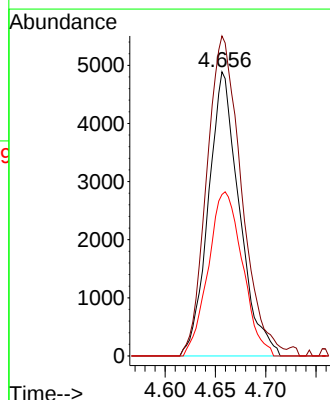
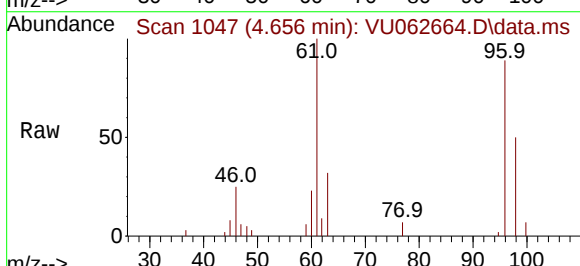
Tgt Ion: 96 Resp: 10471

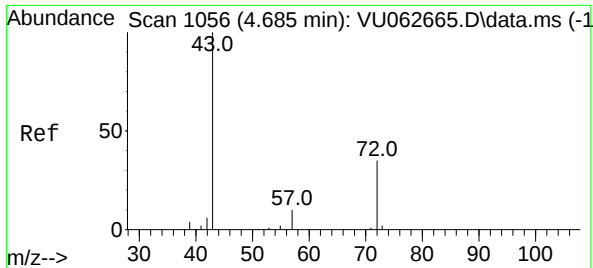
Ion Ratio Lower Upper

96 100

61 112.6 85.1 158.1

98 56.8 46.7 86.7

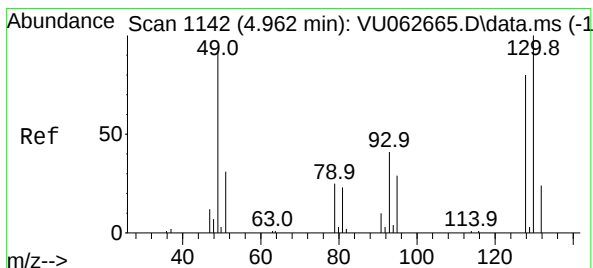
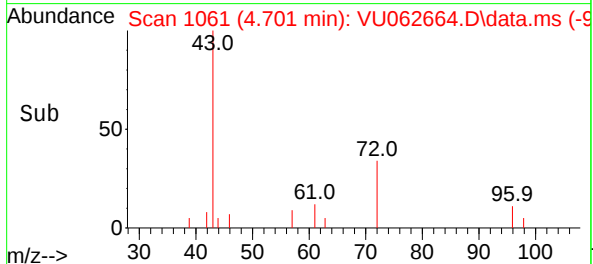
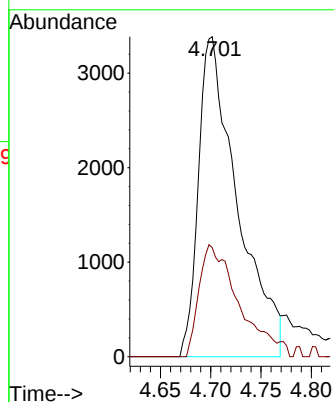
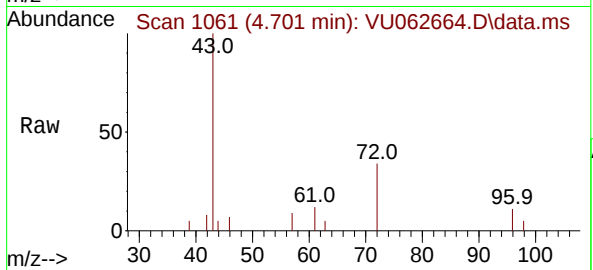




#22
2-Butanone
Concen: 11.447 ug/L
RT: 4.701 min Scan# 1061
Delta R.T. 0.016 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

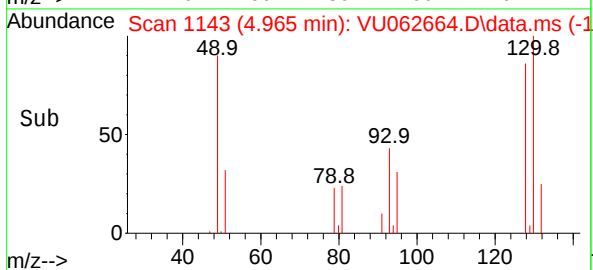
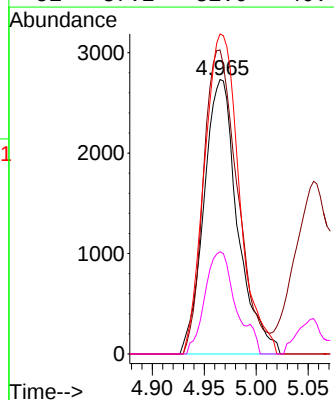
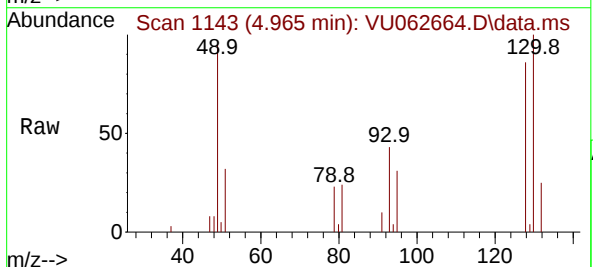
Instrument :
MSVOA_U
ClientSampleId :

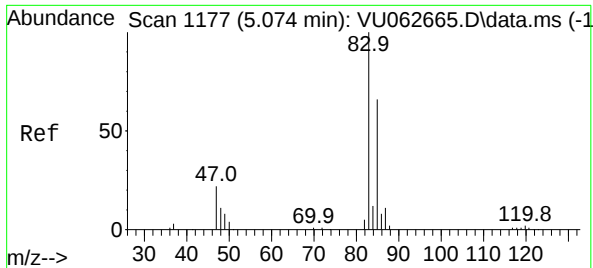
Tgt Ion: 43 Resp: 9105
Ion Ratio Lower Upper
43 100
72 17.2 18.3 54.8#



#23
Bromochloromethane
Concen: 11.001 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.003 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

Tgt Ion: 128 Resp: 6151
Ion Ratio Lower Upper
128 100
49 110.8 79.9 148.5
130 116.6 87.2 162.0
51 37.2 31.0 46.4





#25

Chloroform

Concen: 10.825 ug/L

RT: 5.078 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

Instrument :

MSVOA_U

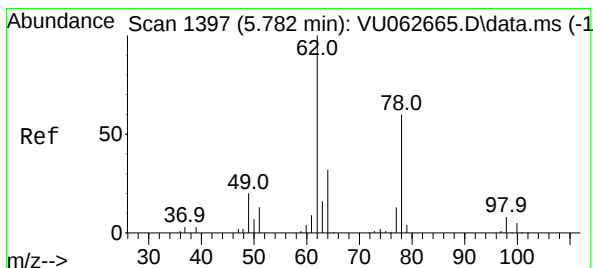
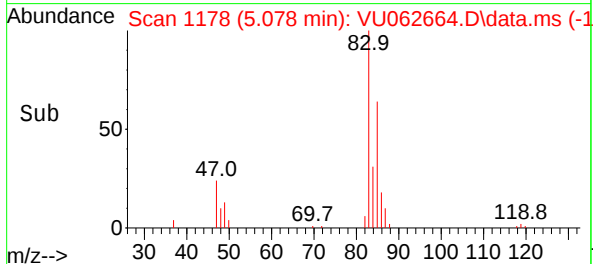
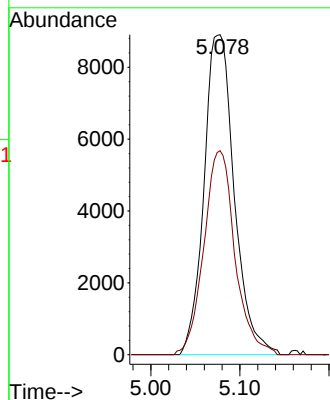
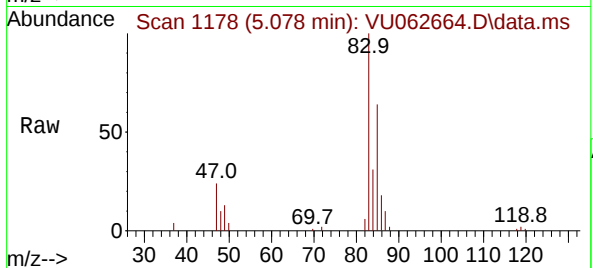
ClientSampleId :

Tgt Ion: 83 Resp: 21067

Ion Ratio Lower Upper

83 100

85 63.8 46.6 86.6



#27

1,2-Dichloroethane

Concen: 11.414 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VU062664.D

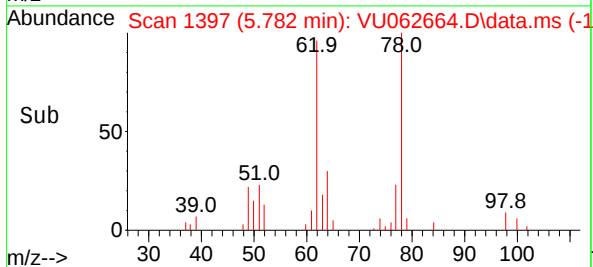
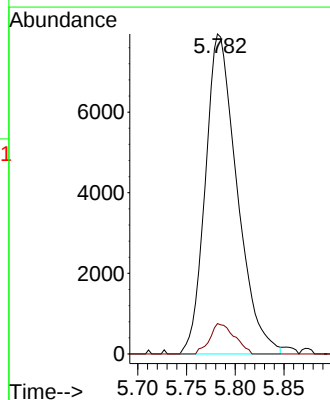
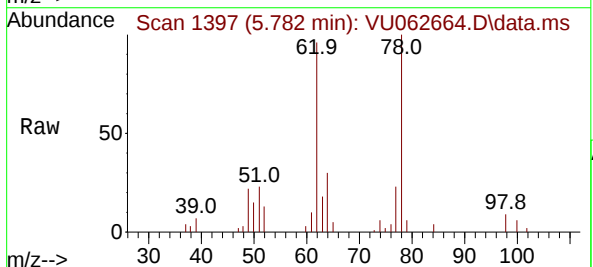
Acq: 08 Jan 2025 10:21

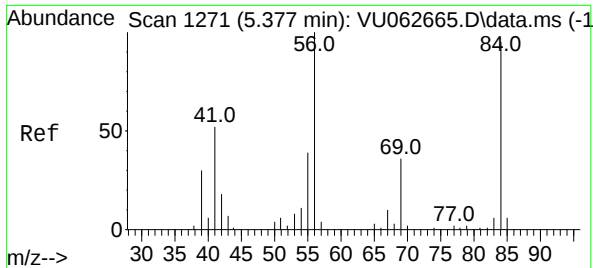
Tgt Ion: 62 Resp: 17951

Ion Ratio Lower Upper

62 100

98 9.5 6.6 10.0





#29

Cyclohexane

Concen: 8.715 ug/L

RT: 5.373 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

Instrument :

MSVOA_U

ClientSampleId :

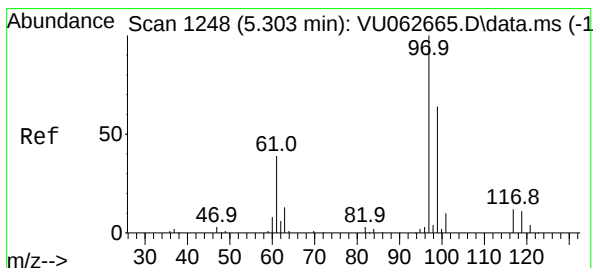
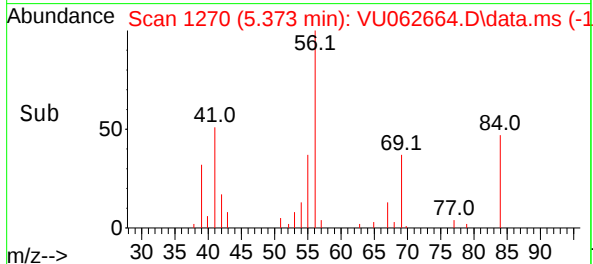
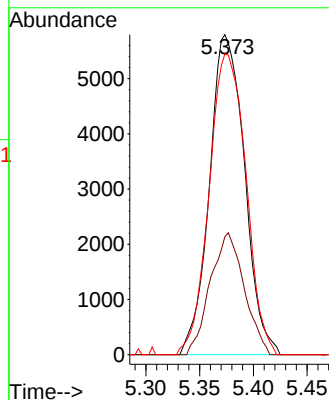
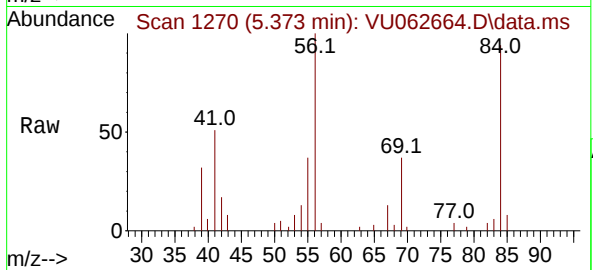
Tgt Ion: 56 Resp: 13165

Ion Ratio Lower Upper

56 100

69 36.8 29.8 44.6

84 98.5 80.6 120.8



#30

1,1,1-Trichloroethane

Concen: 11.070 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. 0.000 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

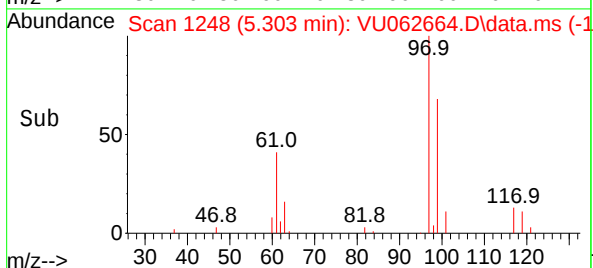
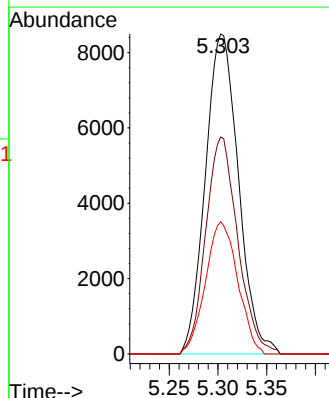
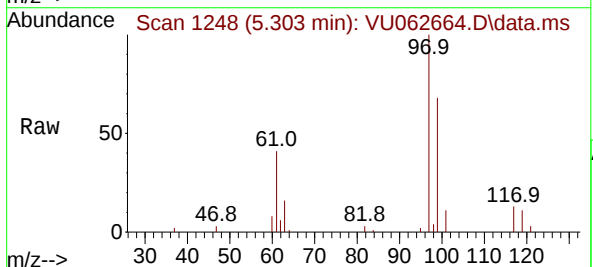
Tgt Ion: 97 Resp: 20111

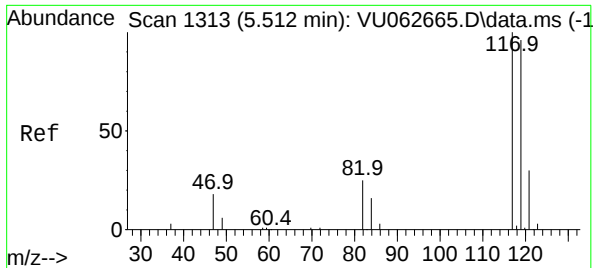
Ion Ratio Lower Upper

97 100

99 65.4 51.3 76.9

61 40.1 31.6 47.4

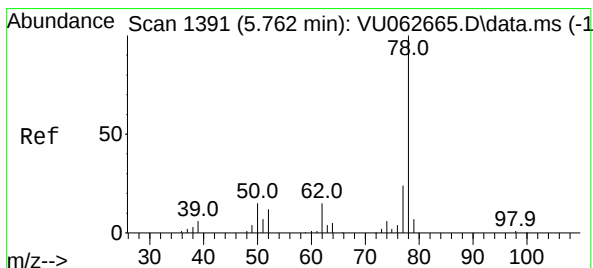
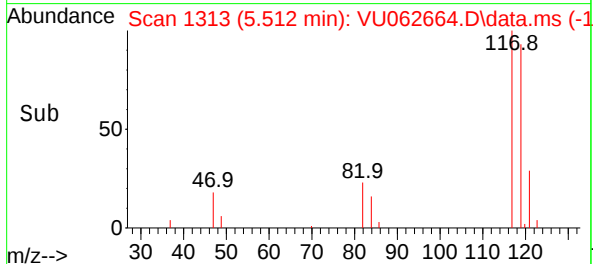
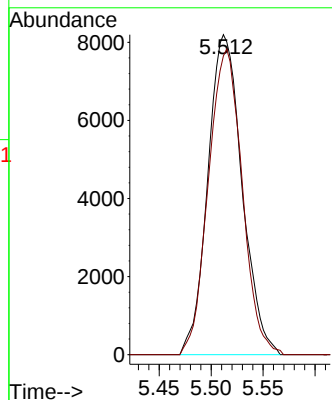
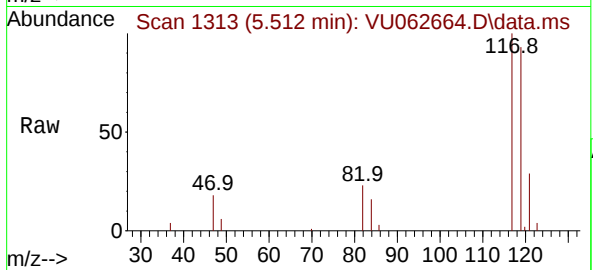




#31
Carbon tetrachloride
Concen: 11.550 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

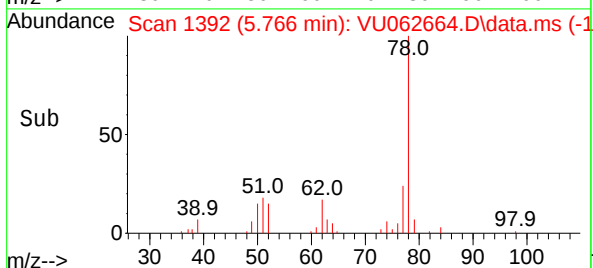
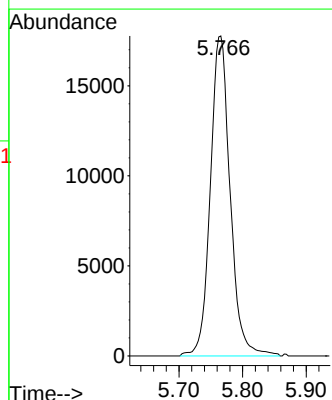
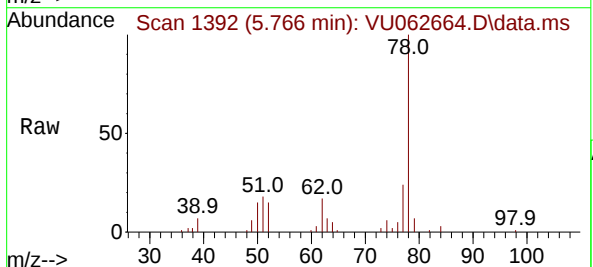
Instrument :
MSVOA_U
ClientSampleId :

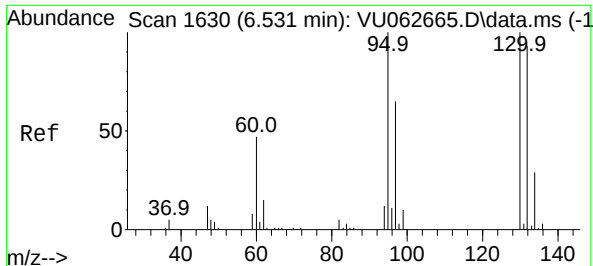
Tgt Ion:117 Resp: 18764
Ion Ratio Lower Upper
117 100
119 94.0 77.7 116.5



#33
Benzene
Concen: 9.596 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

Tgt Ion: 78 Resp: 38398





#34

Trichloroethene

Concen: 10.689 ug/L

RT: 6.531 min Scan# 1

Delta R.T. 0.000 min

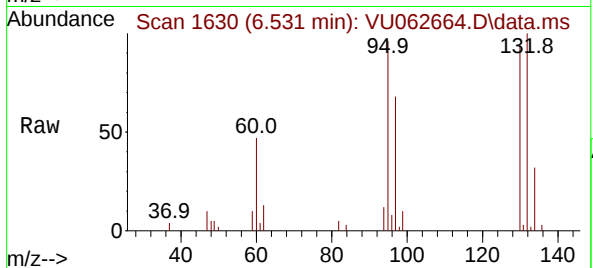
Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 11930

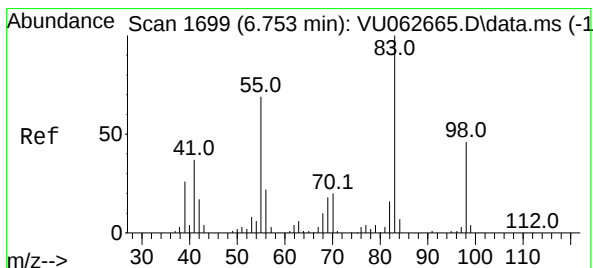
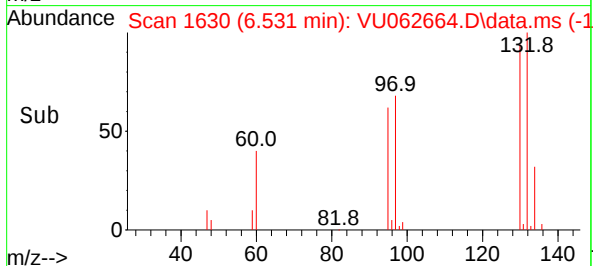
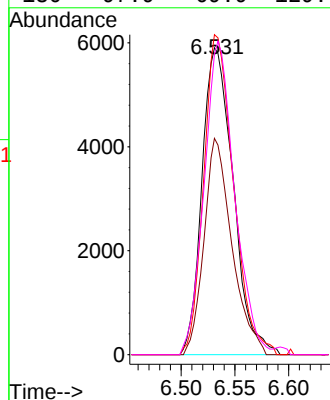
Ion Ratio Lower Upper

95 100

97 70.5 45.5 84.5

132 104.3 65.1 120.9

130 97.9 69.9 129.7



#35

Methylcyclohexane

Concen: 9.289 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

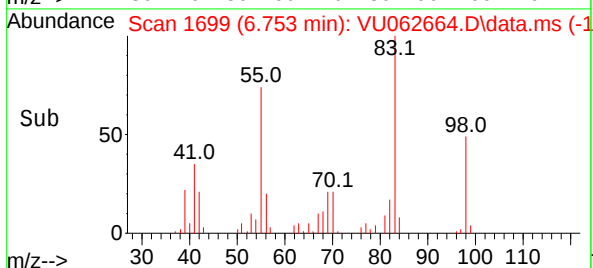
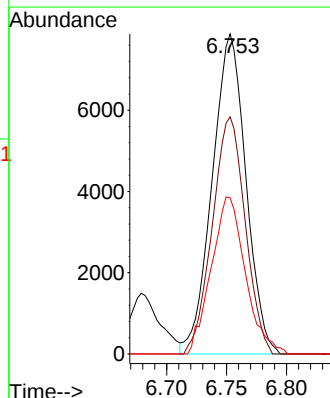
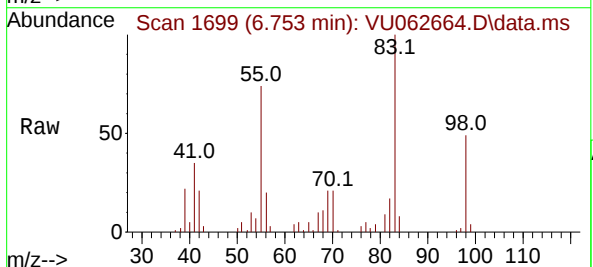
Tgt Ion: 83 Resp: 15412

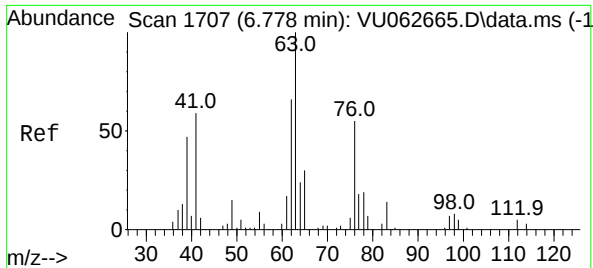
Ion Ratio Lower Upper

83 100

55 72.2 55.6 83.4

98 49.6 36.6 54.8





#37

1,2-Dichloropropane

Concen: 8.872 ug/L

RT: 6.782 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

Instrument :

MSVOA_U

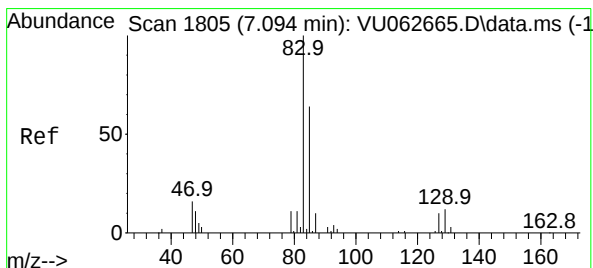
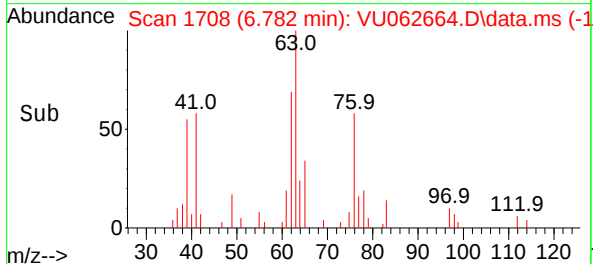
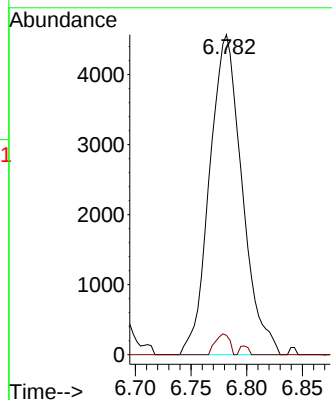
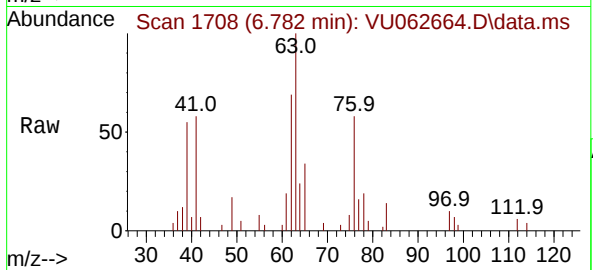
ClientSampleId :

Tgt Ion: 63 Resp: 9271

Ion Ratio Lower Upper

63 100

112 2.8 3.6 5.4#



#38

Bromodichloromethane

Concen: 10.904 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

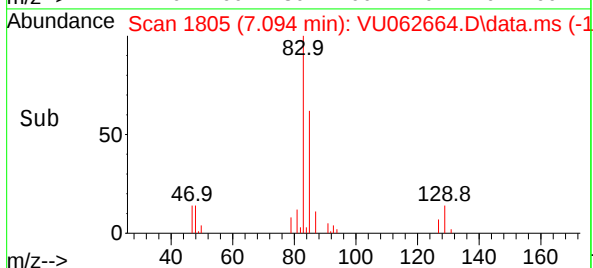
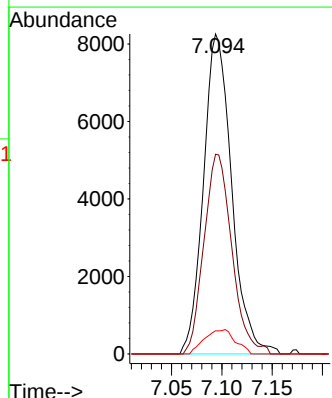
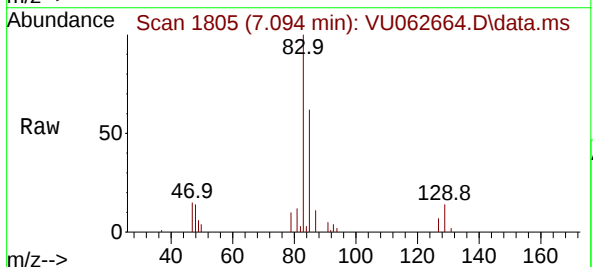
Tgt Ion: 83 Resp: 16101

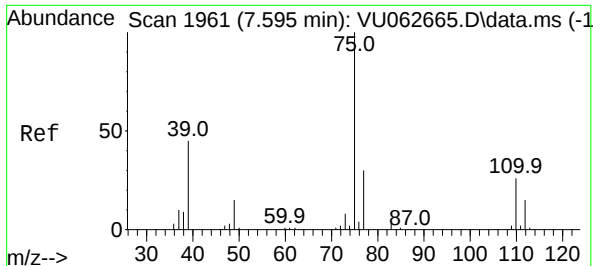
Ion Ratio Lower Upper

83 100

85 62.4 44.9 83.3

127 7.2 7.8 11.6#





#39

cis-1,3-Dichloropropene

Concen: 9.171 ug/L

RT: 7.598 min Scan# 1961

Delta R.T. 0.003 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

Instrument :

MSVOA_U

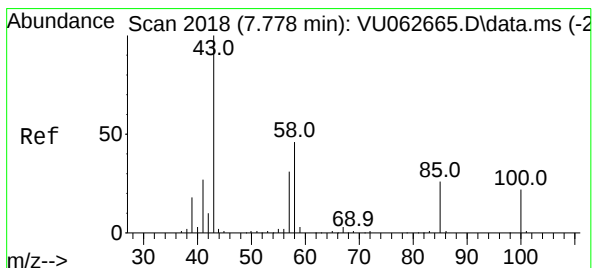
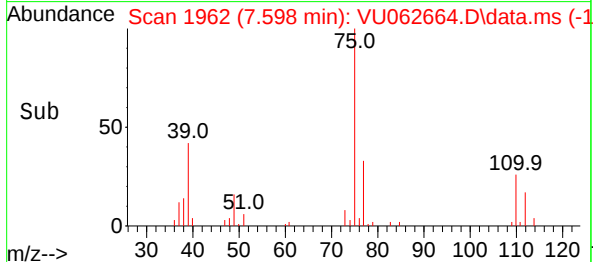
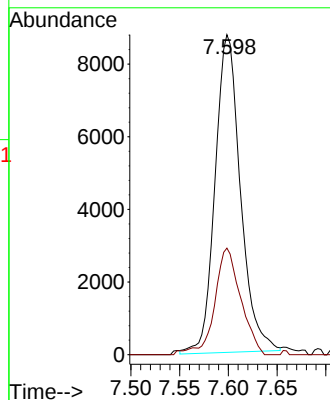
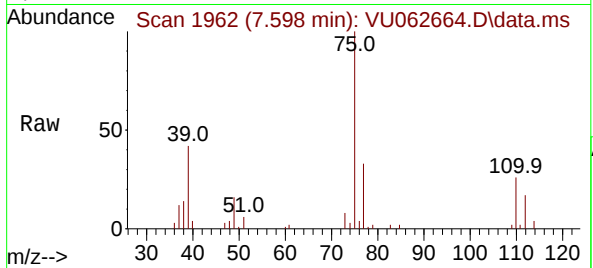
ClientSampleId :

Tgt Ion: 75 Resp: 15861

Ion Ratio Lower Upper

75 100

77 33.3 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 15.206 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

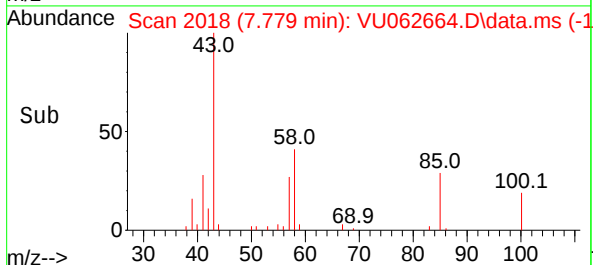
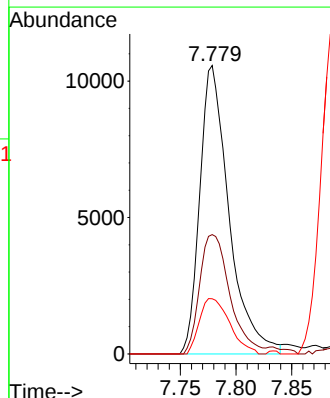
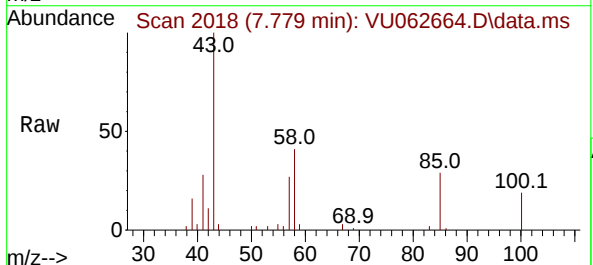
Tgt Ion: 43 Resp: 19333

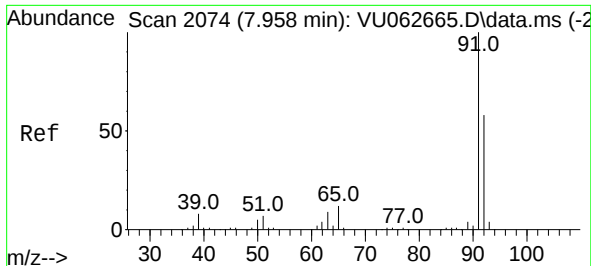
Ion Ratio Lower Upper

43 100

58 42.8 35.6 53.4

100 19.8 16.9 25.3





#42

Toluene

Concen: 9.727 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

Instrument :

MSVOA_U

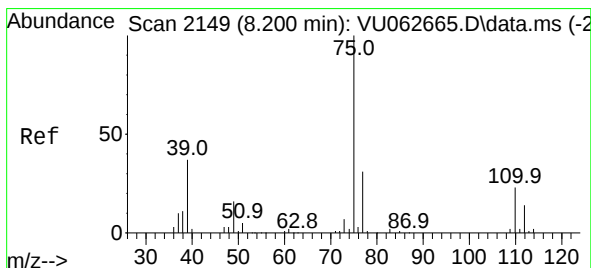
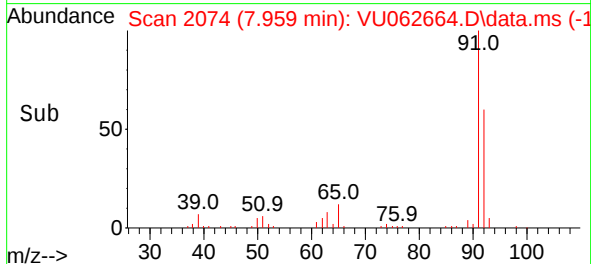
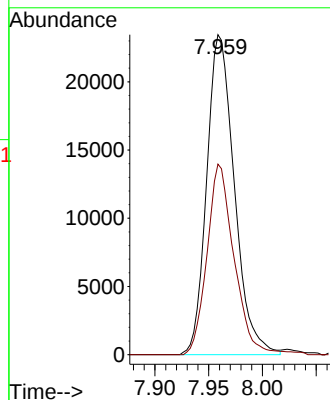
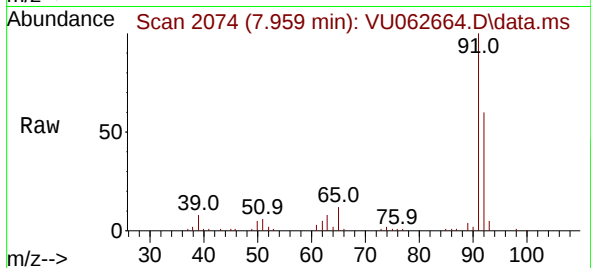
ClientSampleId :

Tgt Ion: 91 Resp: 41978

Ion Ratio Lower Upper

91 100

92 59.5 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 9.760 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.003 min

Lab File: VU062664.D

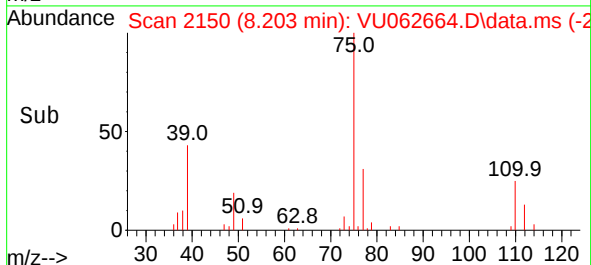
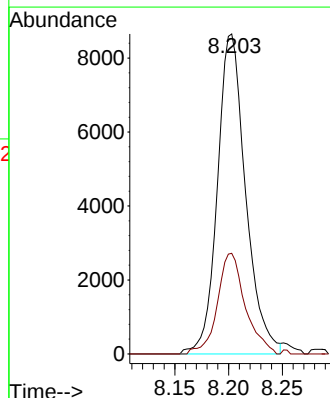
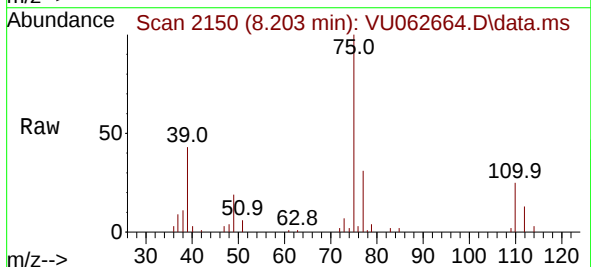
Acq: 08 Jan 2025 10:21

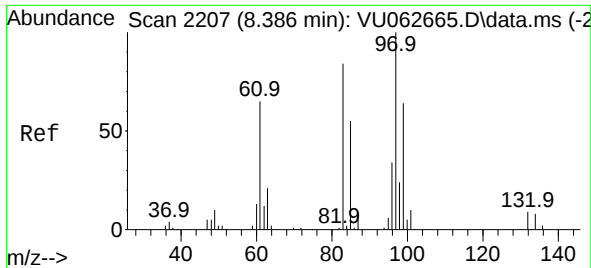
Tgt Ion: 75 Resp: 15808

Ion Ratio Lower Upper

75 100

77 31.5 21.4 39.8

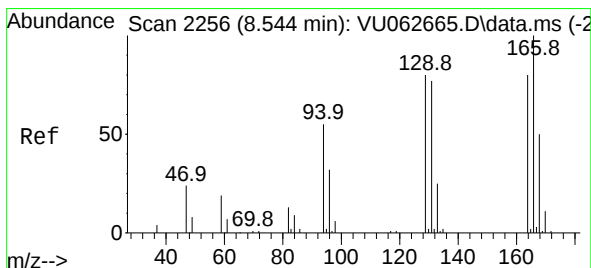
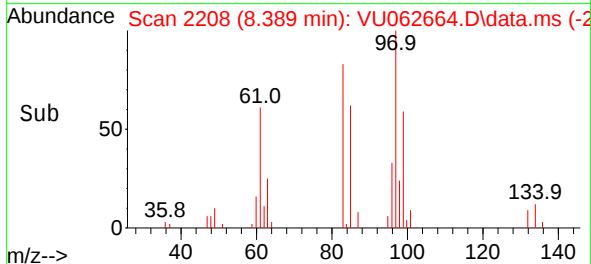
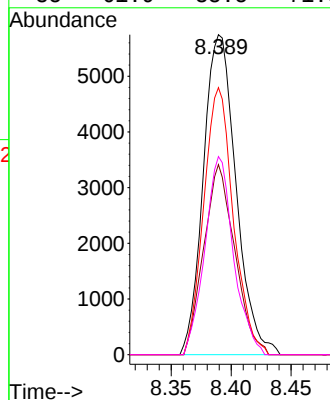
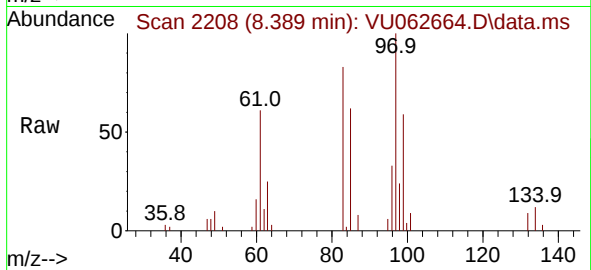




#45
1,1,2-Trichloroethane
Concen: 10.316 ug/L
RT: 8.389 min Scan# 2207
Delta R.T. 0.003 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

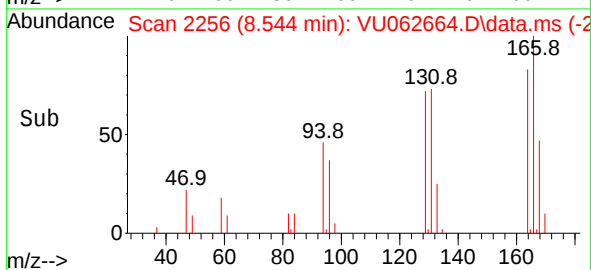
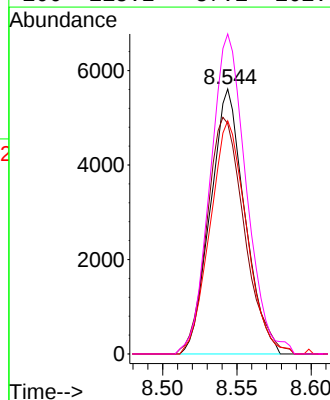
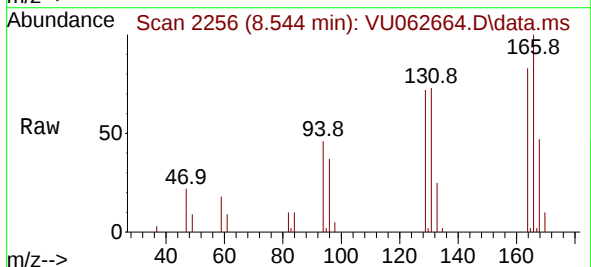
Instrument :
MSVOA_U
ClientSampleId :

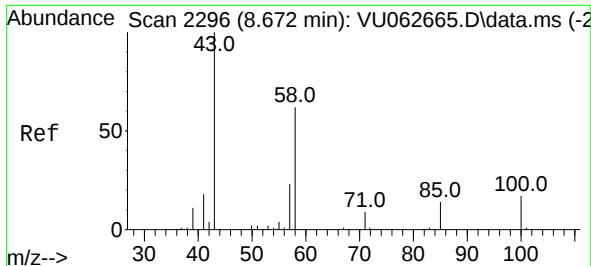
Tgt Ion:	97	Resp:	10900
Ion	Ratio	Lower	Upper
97	100		
99	59.4	45.0	83.6
83	83.5	58.9	109.3
85	61.9	38.5	71.5



#46
Tetrachloroethene
Concen: 10.564 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

Tgt Ion:	164	Resp:	9028
Ion	Ratio	Lower	Upper
164	100		
129	87.6	69.7	129.5
131	86.1	67.3	124.9
166	118.2	87.1	161.7





#48

2-Hexanone

Concen: 12.876 ug/L

RT: 8.676 min Scan# 2296

Delta R.T. 0.003 min

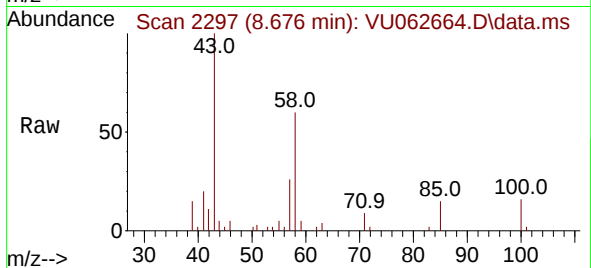
Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 13529

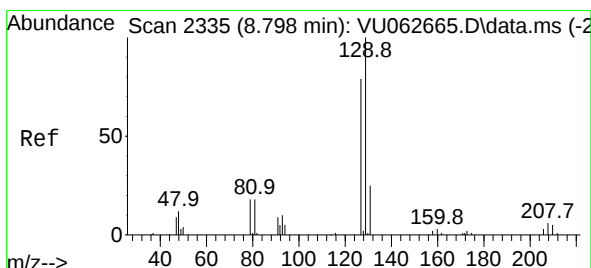
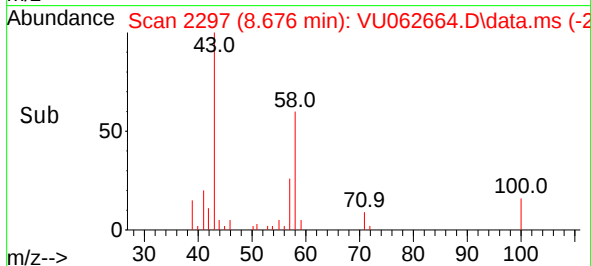
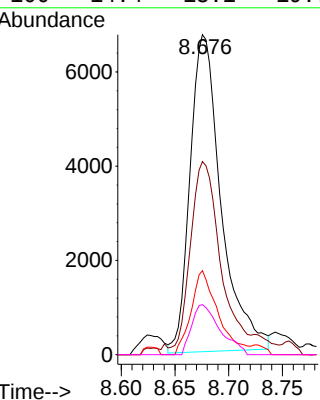
Ion Ratio Lower Upper

43 100

58 55.4 48.6 73.0

57 23.3 18.6 28.0

100 14.4 13.1 19.7



#49

Dibromochloromethane

Concen: 11.156 ug/L

RT: 8.798 min Scan# 2335

Delta R.T. 0.000 min

Lab File: VU062664.D

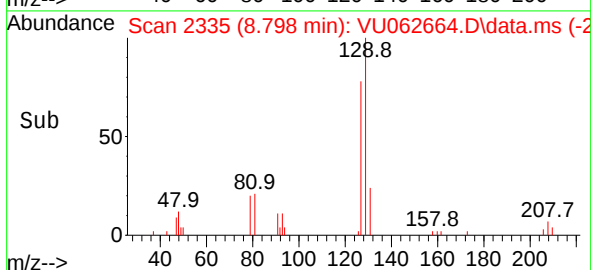
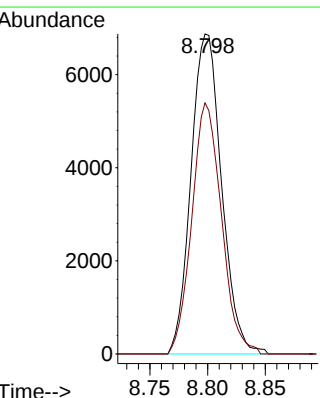
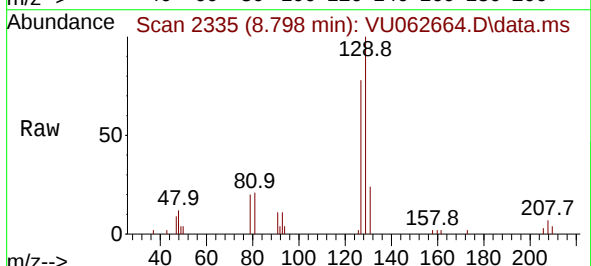
Acq: 08 Jan 2025 10:21

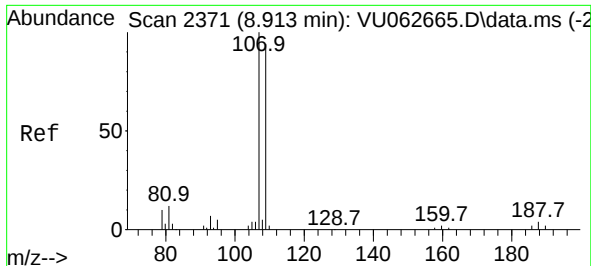
Tgt Ion: 129 Resp: 12677

Ion Ratio Lower Upper

129 100

127 78.4 55.2 102.6

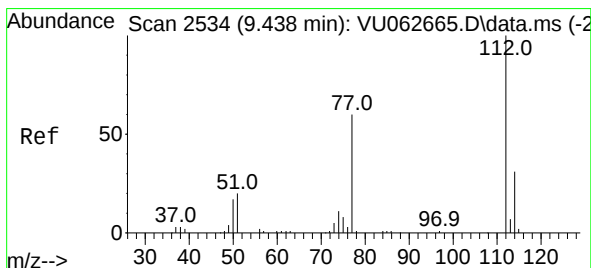
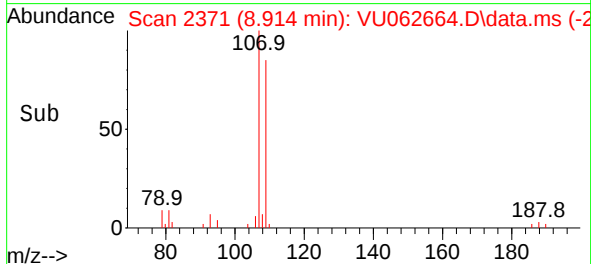
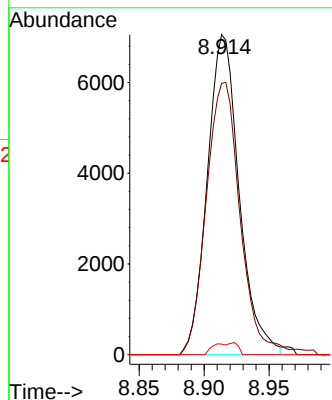
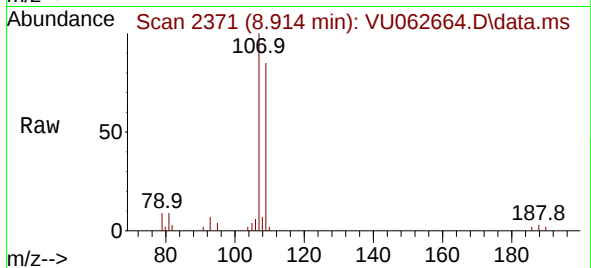




#50
1,2-Dibromoethane
Concen: 10.454 ug/L
RT: 8.914 min Scan# 2371
Delta R.T. 0.000 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

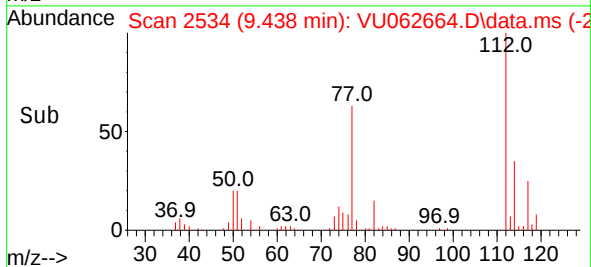
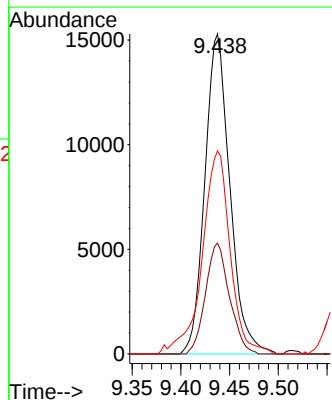
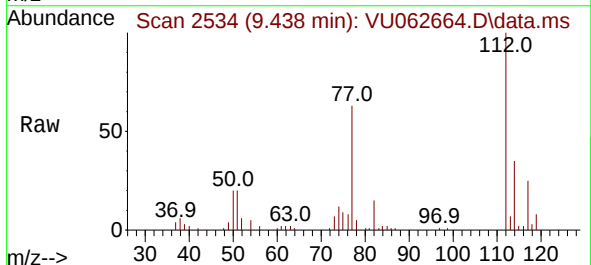
Instrument :
MSVOA_U
ClientSampleId :

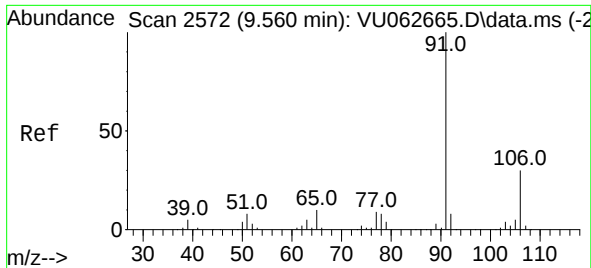
Tgt Ion:107 Resp: 12047
Ion Ratio Lower Upper
107 100
109 84.8 65.8 122.2
188 3.3 2.9 4.3



#51
Chlorobenzene
Concen: 9.907 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

Tgt Ion:112 Resp: 27298
Ion Ratio Lower Upper
112 100
114 34.7 21.7 40.3
77 63.5 48.7 73.1

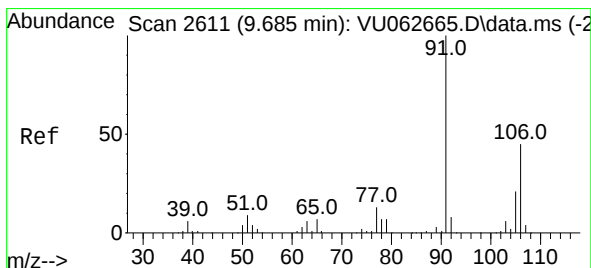
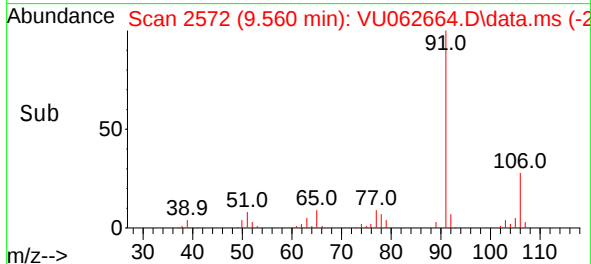
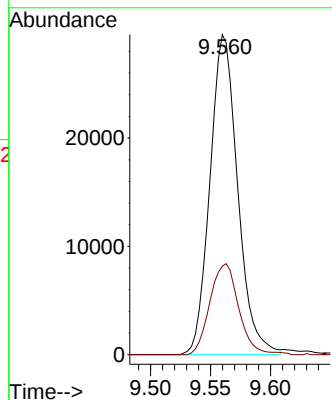
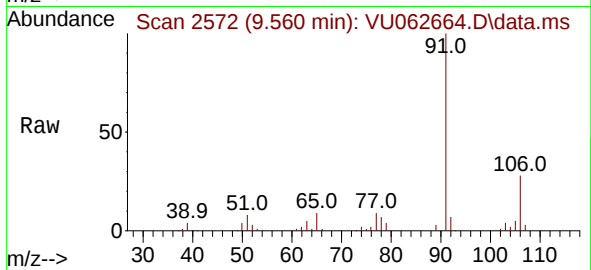




#52
Ethylbenzene
Concen: 9.959 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. 0.000 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

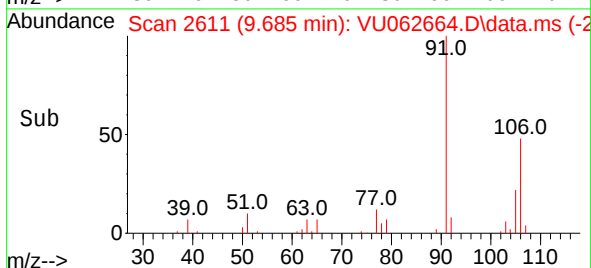
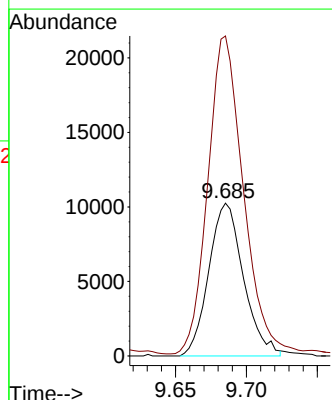
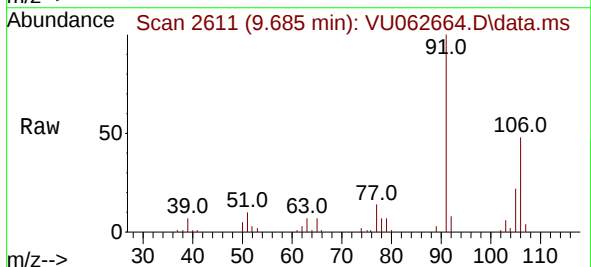
Instrument :
MSVOA_U
ClientSampleId :

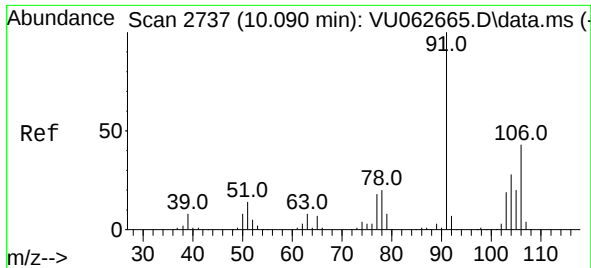
Tgt Ion: 91 Resp: 47507
Ion Ratio Lower Upper
91 100
106 27.7 20.9 38.9



#53
m,p-Xylene
Concen: 9.889 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

Tgt Ion:106 Resp: 17447
Ion Ratio Lower Upper
106 100
91 209.5 155.2 288.2

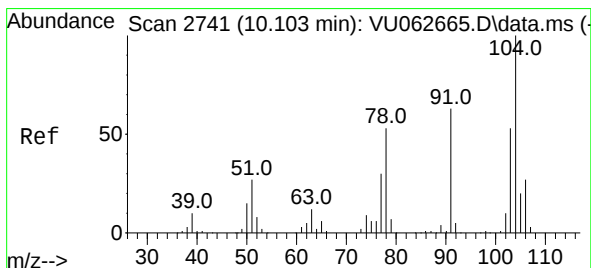
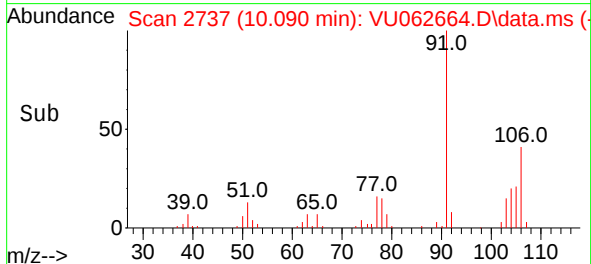
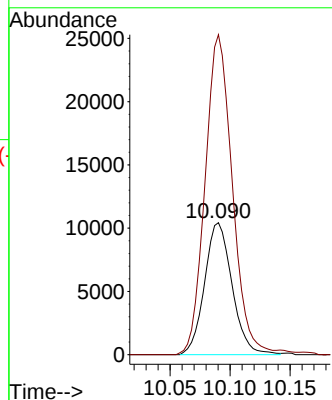
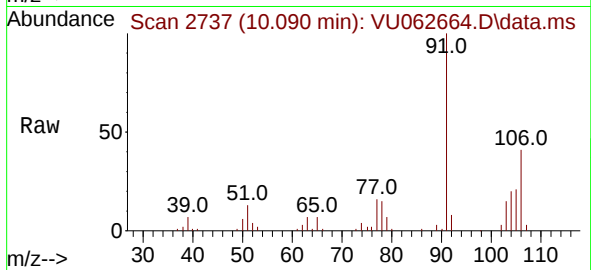




#54
o-Xylene
Concen: 9.620 ug/L
RT: 10.090 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

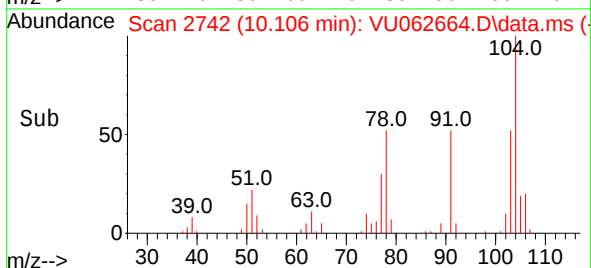
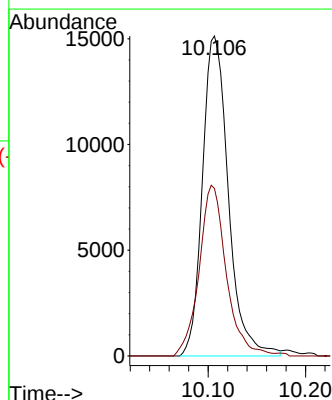
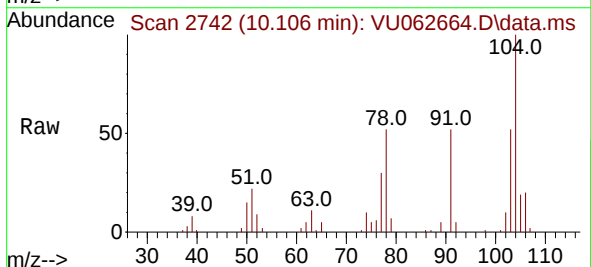
Instrument :
MSVOA_U
ClientSampleId :

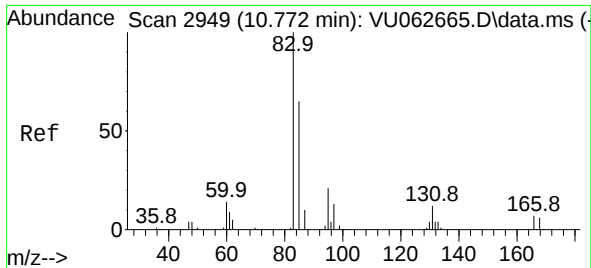
Tgt Ion:106 Resp: 16657
Ion Ratio Lower Upper
106 100
91 242.4 163.4 303.4



#55
Styrene
Concen: 9.606 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. 0.003 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

Tgt Ion:104 Resp: 27994
Ion Ratio Lower Upper
104 100
78 52.4 37.4 69.4

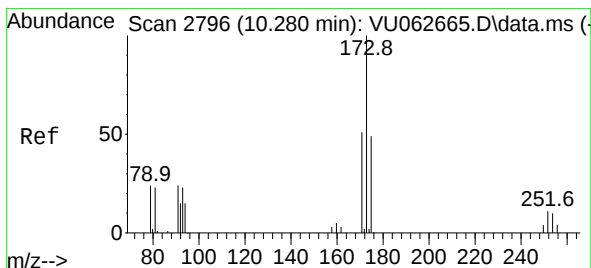
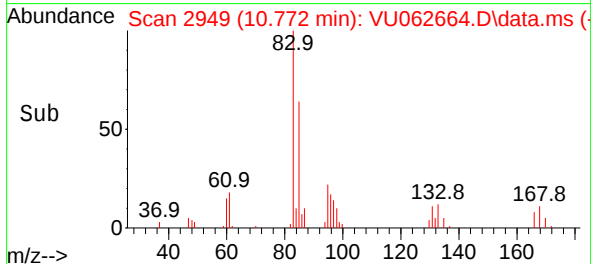
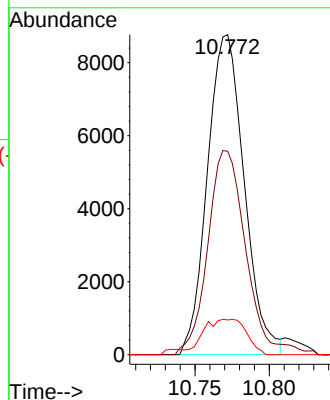
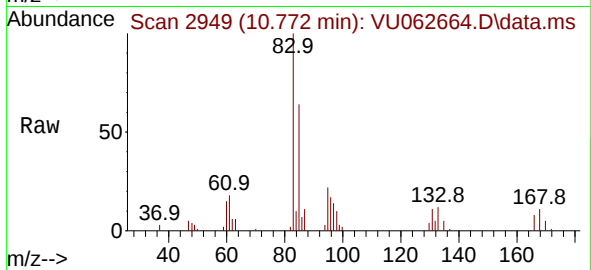




#57
1,1,2,2-Tetrachloroethane
Concen: 8.791 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

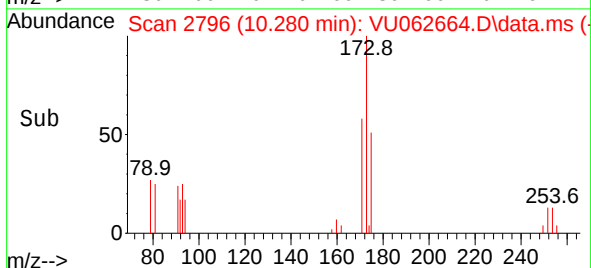
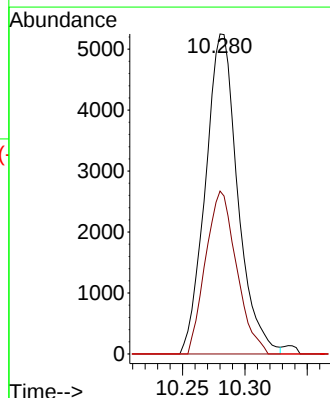
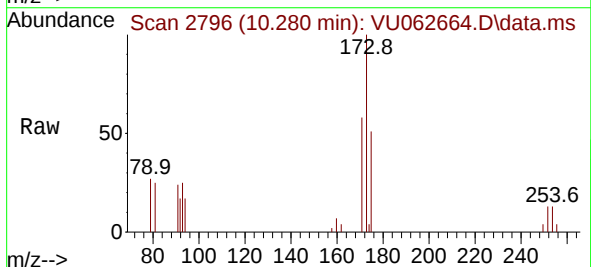
Instrument :
MSVOA_U
ClientSampleId :

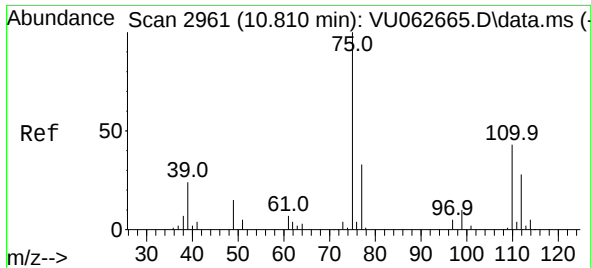
Tgt Ion: 83 Resp: 15127
Ion Ratio Lower Upper
83 100
85 63.5 46.5 86.5
131 10.8 10.1 15.1



#59
Bromoform
Concen: 10.665 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. 0.000 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

Tgt Ion:173 Resp: 9459
Ion Ratio Lower Upper
173 100
175 48.7 38.8 58.2
254 0.0 7.2 10.8#

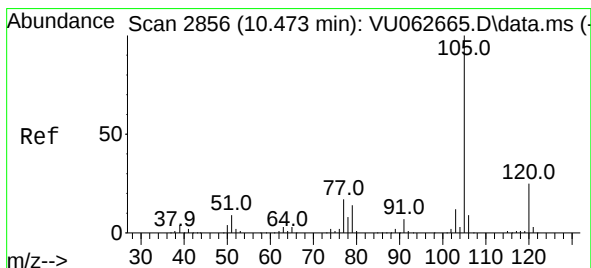
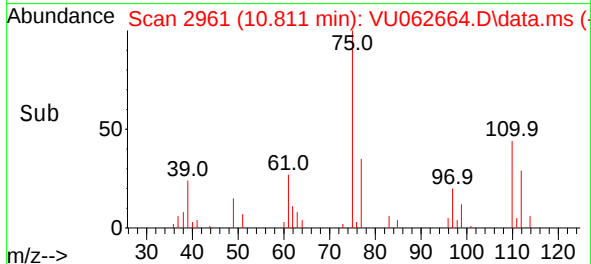
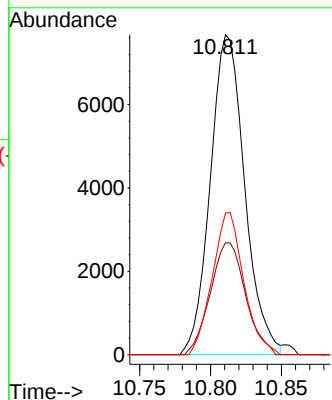
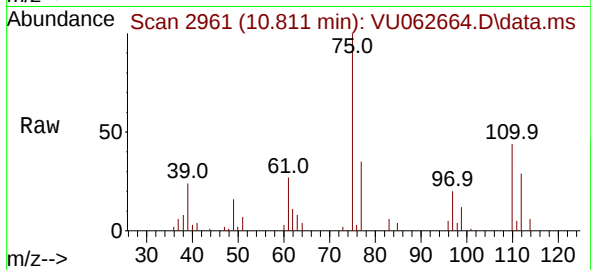




#60
1,2,3-Trichloropropane
Concen: 9.416 ug/L
RT: 10.811 min Scan# 2961
Delta R.T. 0.000 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

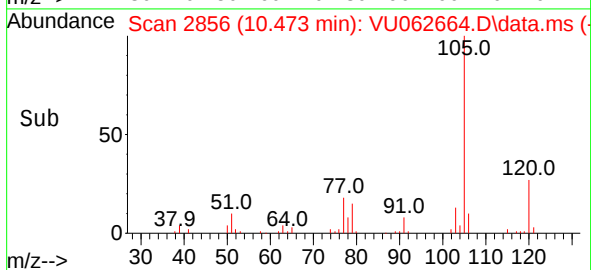
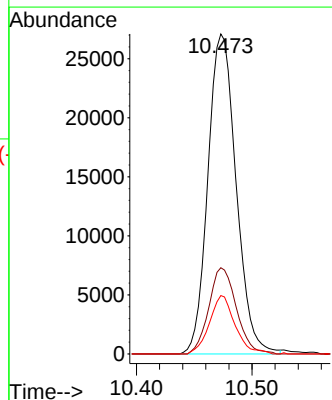
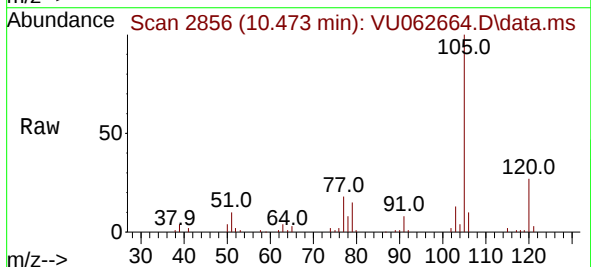
Instrument :
MSVOA_U
ClientSampleId :

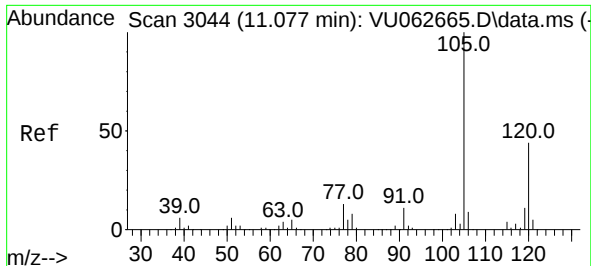
Tgt Ion: 75 Resp: 12955
Ion Ratio Lower Upper
75 100
77 35.8 26.6 40.0
110 40.7 34.6 52.0



#61
Isopropylbenzene
Concen: 9.918 ug/L
RT: 10.473 min Scan# 2856
Delta R.T. 0.000 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

Tgt Ion:105 Resp: 45984
Ion Ratio Lower Upper
105 100
120 26.3 20.1 30.1
77 16.6 13.3 19.9





#62

1,3,5-Trimethylbenzene

Concen: 9.831 ug/L

RT: 11.077 min Scan# 3044

Delta R.T. 0.000 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

Instrument :

MSVOA_U

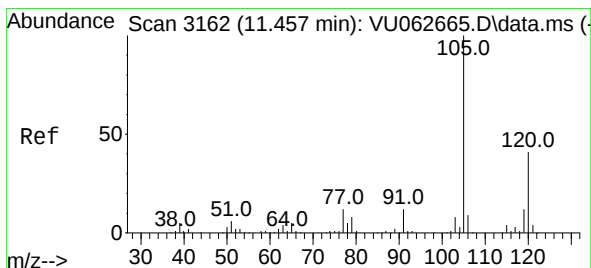
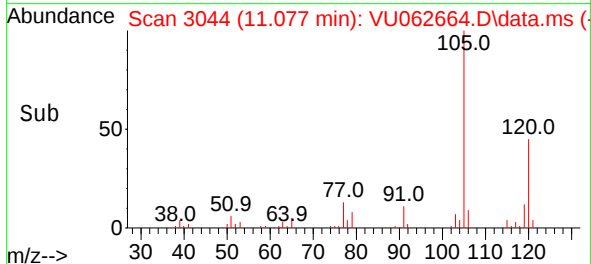
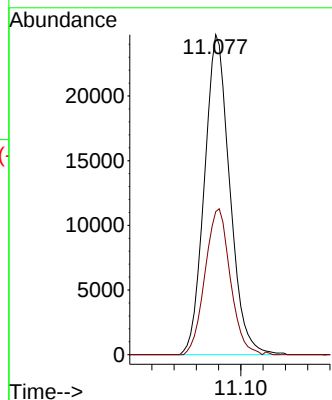
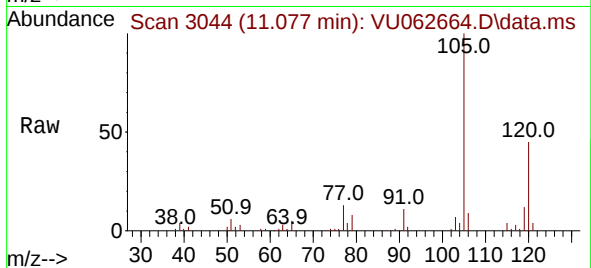
ClientSampleId :

Tgt Ion:105 Resp: 39120

Ion Ratio Lower Upper

105 100

120 45.3 36.0 54.0



#63

1,2,4-Trimethylbenzene

Concen: 9.813 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VU062664.D

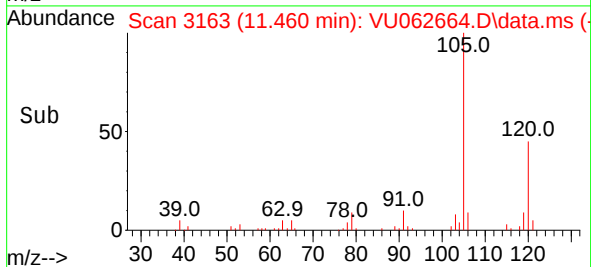
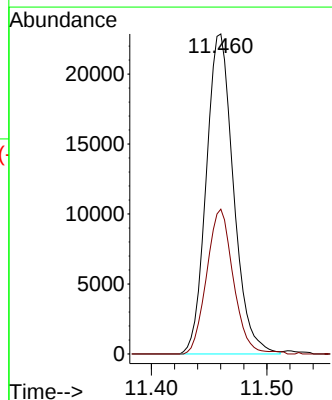
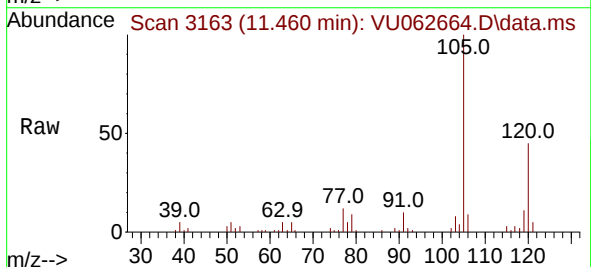
Acq: 08 Jan 2025 10:21

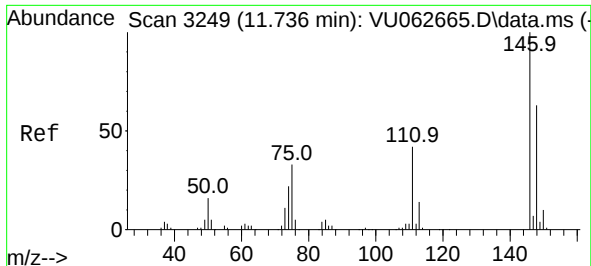
Tgt Ion:105 Resp: 37475

Ion Ratio Lower Upper

105 100

120 43.9 33.7 50.5





#64

1,3-Dichlorobenzene

Concen: 9.925 ug/L

RT: 11.737 min Scan# 3249

Delta R.T. 0.000 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

Instrument :

MSVOA_U

ClientSampleId :

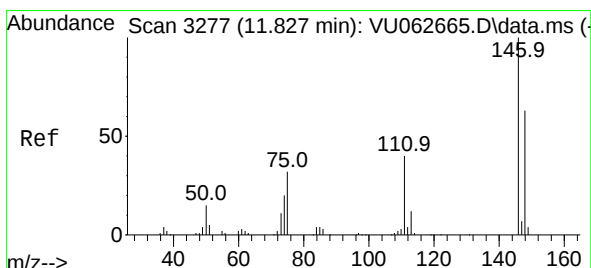
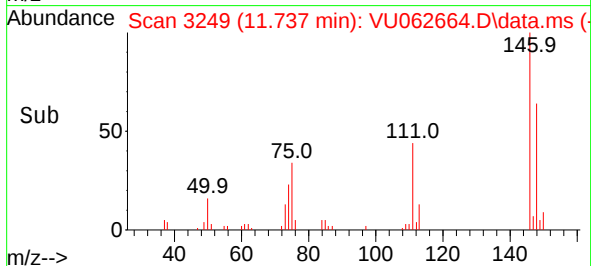
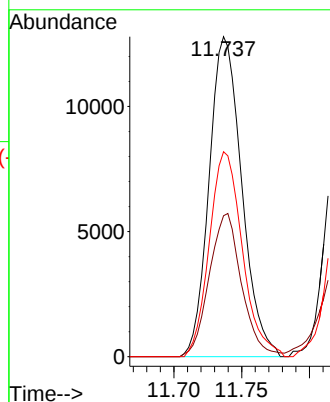
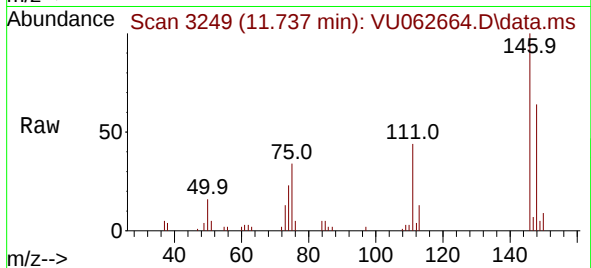
Tgt Ion:146 Resp: 21432

Ion Ratio Lower Upper

146 100

111 44.0 29.7 55.1

148 64.1 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 9.980 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

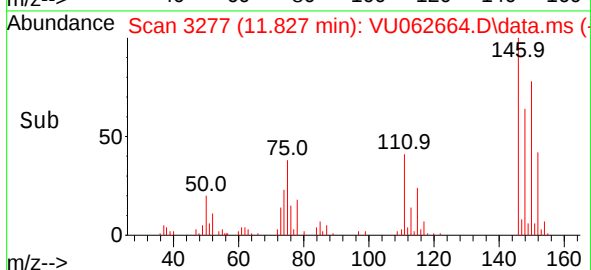
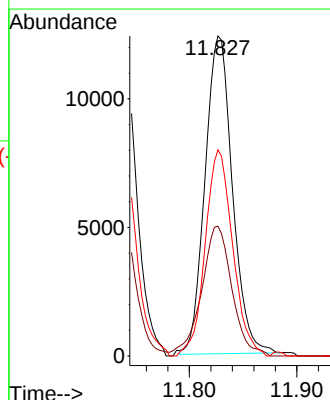
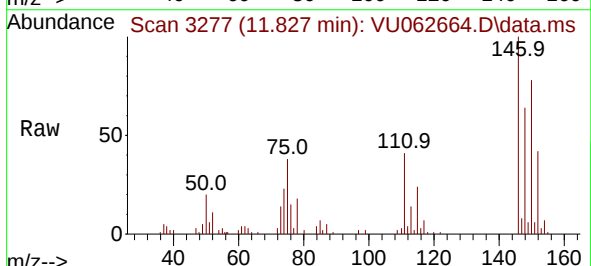
Tgt Ion:146 Resp: 21915

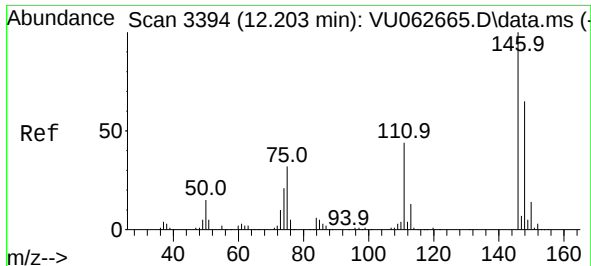
Ion Ratio Lower Upper

146 100

111 40.6 28.3 52.7

148 64.4 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 10.135 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

Instrument :

MSVOA_U

ClientSampleId :

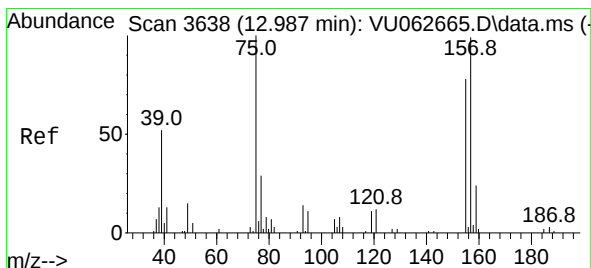
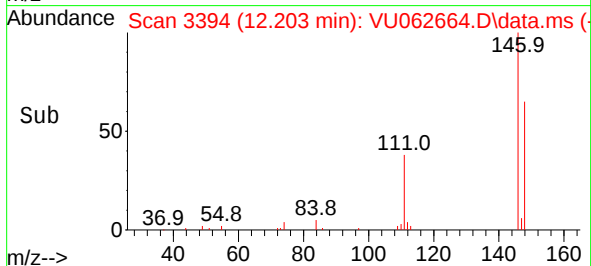
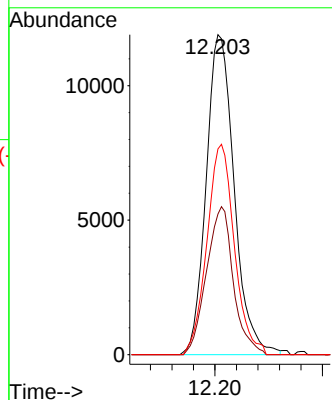
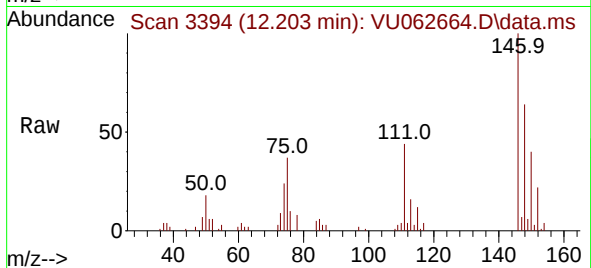
Tgt Ion:146 Resp: 21495

Ion Ratio Lower Upper

146 100

111 44.0 35.6 53.4

148 64.3 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 8.990 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

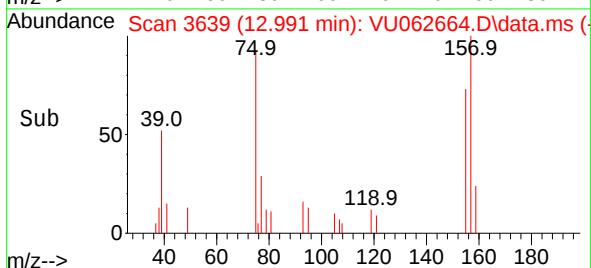
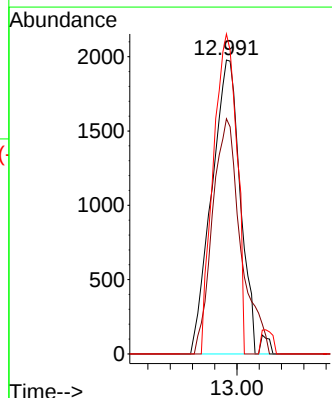
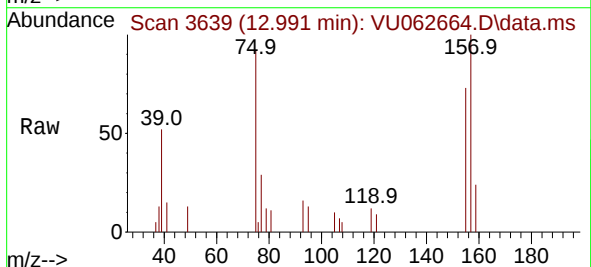
Tgt Ion: 75 Resp: 3560

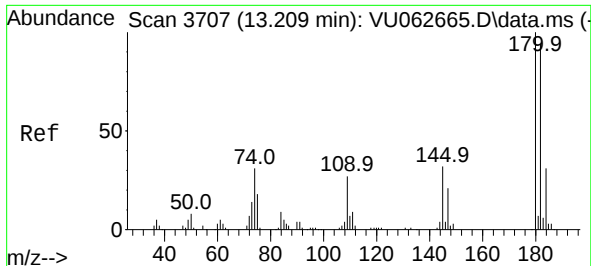
Ion Ratio Lower Upper

75 100

155 75.5 62.0 93.0

157 102.8 82.1 123.1





#69

1,3,5-Trichlorobenzene

Concen: 9.406 ug/L

RT: 13.212 min Scan# 31

Delta R.T. 0.003 min

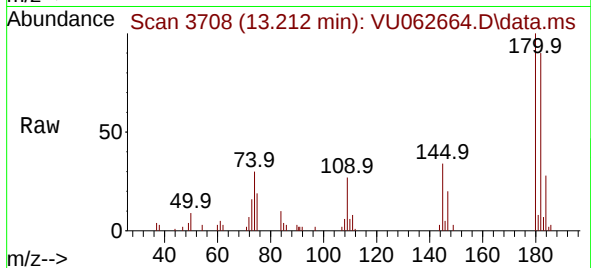
Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 14253

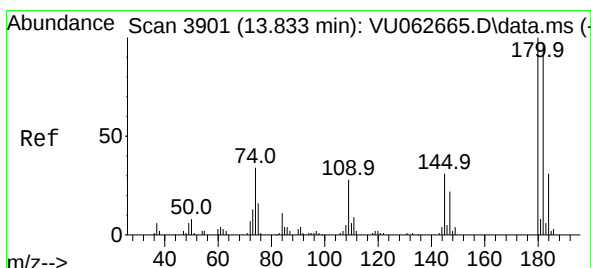
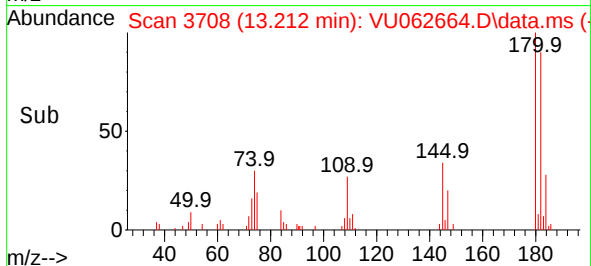
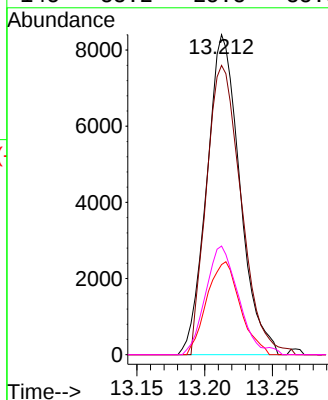
Ion Ratio Lower Upper

180 100

182 94.4 76.1 114.1

184 29.2 24.5 36.7

145 33.2 25.8 38.8



#70

1,2,4-trichlorobenzene

Concen: 7.575 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU062664.D

Acq: 08 Jan 2025 10:21

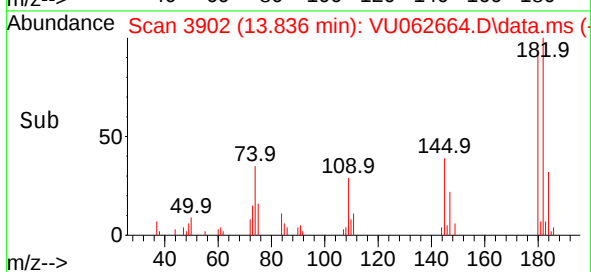
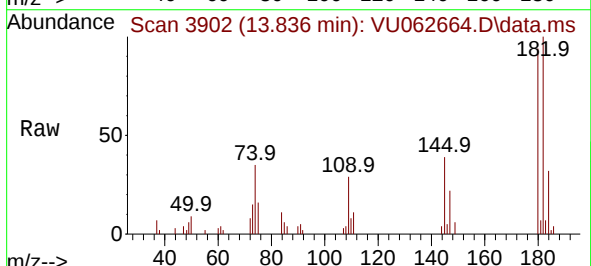
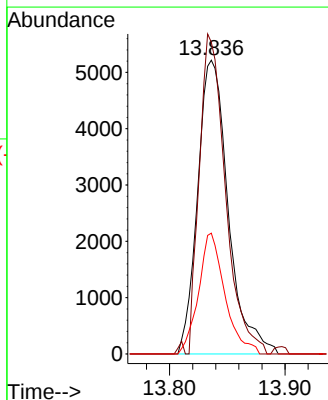
Tgt Ion:180 Resp: 9617

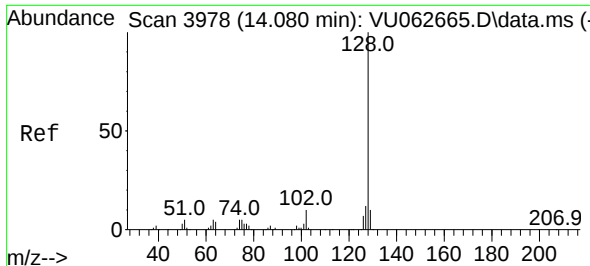
Ion Ratio Lower Upper

180 100

182 92.9 75.6 113.4

145 35.4 25.6 38.4

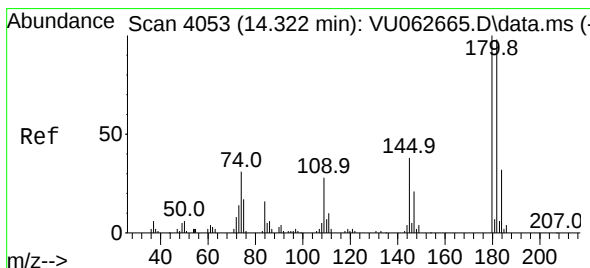
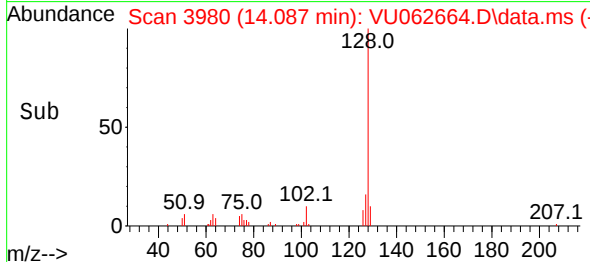
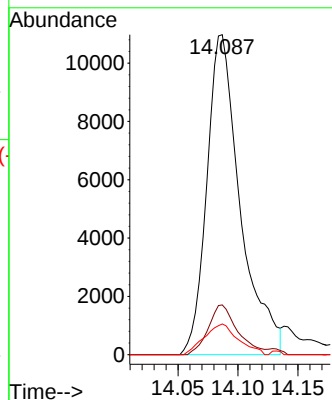
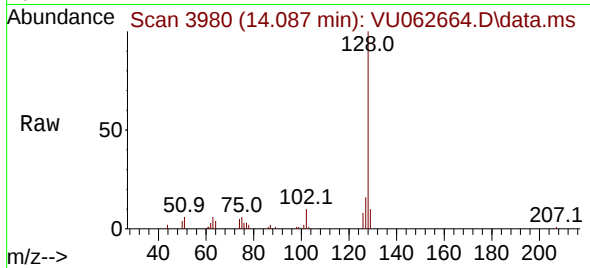




#71
Naphthalene
Concen: 6.363 ug/L
RT: 14.087 min Scan# 3978
Delta R.T. 0.006 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.2
129	9.7	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 7.566 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU062664.D
Acq: 08 Jan 2025 10:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	79.0	118.4
145	35.8	29.5	44.3

