

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020325\
 Data File : VU063110.D
 Acq On : 03 Feb 2025 10:25
 Operator : MD/SY
 Sample : VSTD001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001075

Quant Time: Feb 04 07:28:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020325WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 04 07:26:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	94959	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	90088	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	41288	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	6601	1.676	ug/L	0.00
7) Chloroethane-d5	1.904	69	5081	1.630	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	65	2683	1.225	ug/L	0.00
20) 2-Butanone-d5	4.628	46	11507	10.167	ug/L	0.02
24) Chloroform-d	5.055	84	12885	0.948	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	5812	0.779	ug/L	0.00
32) Benzene-d6	5.718	84	24878	1.131	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	8180	1.342	ug/L	0.00
41) Toluene-d8	7.891	98	21402	1.010	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.180	79	2801	0.854	ug/L	0.00
46) 2-Hexanone-d5	8.627	63	11809	12.584	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	6752	1.231	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.183	152	7261	0.976	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	6576	0.844	ug/L	92
3) Chloromethane	1.515	50	7618	1.646	ug/L	98
5) Vinyl chloride	1.599	62	7526	1.475	ug/L	93
6) Bromomethane	1.849	94	4114	1.591	ug/L	96
8) Chloroethane	1.927	64	4585	1.708	ug/L	90
9) Trichlorofluoromethane	2.132	101	10849	0.974	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	6847	1.182	ug/L	99
12) 1,1-Dichloroethene	2.573	96	6074	1.179	ug/L	97
13) Acetone	2.621	43	8998	13.187	ug/L	93
14) Carbon disulfide	2.785	76	18290	1.339	ug/L	97
15) Methyl Acetate	2.949	43	2293	1.569	ug/L #	81
16) Methylene chloride	3.036	84	7182	1.287	ug/L	94
17) Methyl tert-butyl Ether	3.348	73	15698	1.042	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	6036	1.100	ug/L	94
19) 1,1-Dichloroethane	3.859	63	12279	1.243	ug/L	98
21) 2-Butanone	4.708	43	14424	14.447	ug/L #	60
22) cis-1,2-Dichloroethene	4.660	96	7617	1.149	ug/L	96
23) Bromochloromethane	4.975	128	3147	0.989	ug/L	92
25) Chloroform	5.078	83	12868	0.969	ug/L	97
27) 1,2-Dichloroethane	5.788	62	7784	0.871	ug/L	96
29) 1,1,1-Trichloroethane	5.303	97	10406	0.783	ug/L	98
30) Cyclohexane	5.380	56	9684	1.331	ug/L	96
31) Carbon tetrachloride	5.515	117	8996	0.720	ug/L	94
33) Benzene	5.766	78	27725	1.183	ug/L	100
34) Trichloroethene	6.534	95	7395	0.983	ug/L	96
35) Methylcyclohexane	6.753	83	10478	1.081	ug/L	97
37) 1,2-Dichloropropane	6.782	63	7529	1.355	ug/L	99
38) Bromodichloromethane	7.097	83	9436	0.959	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	11129	1.146	ug/L	96
40) 4-Methyl-2-pentanone	7.782	43	34482	12.703	ug/L	99
42) Toluene	7.962	91	29558	1.092	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	8480	0.977	ug/L	99

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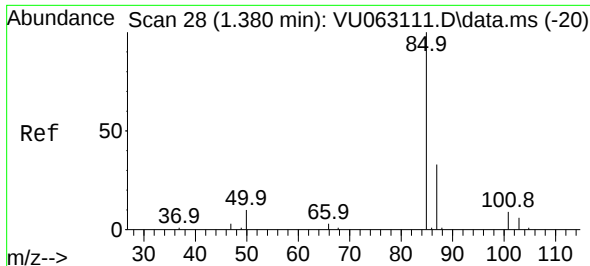
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001075

Quant Time: Feb 04 07:28:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020325WMA.M
 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	8.393	97	5510	1.125	ug/L	97
47) Tetrachloroethene	8.547	164	4928	0.803	ug/L	94
48) 2-Hexanone	8.679	43	23448	12.371	ug/L	98
49) Dibromochloromethane	8.801	129	6037	0.864	ug/L	88
50) 1,2-Dibromoethane	8.917	107	5193	1.081	ug/L #	98
51) Chlorobenzene	9.438	112	18119	0.991	ug/L	97
52) Ethylbenzene	9.563	91	30871	1.000	ug/L	99
53) m,p-Xylene	9.688	106	11143	0.949	ug/L	95
54) o-Xylene	10.094	106	10817	0.992	ug/L	99
55) Styrene	10.110	104	17544	0.953	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	6907	1.221	ug/L	96
59) Bromoform	10.283	173	3451	0.898	ug/L #	99
60) Isopropylbenzene	10.476	105	28930	1.069	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	4635	1.283	ug/L	92
62) 1,3,5-Trimethylbenzene	11.081	105	21491	0.925	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	19052	0.868	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	13764	1.031	ug/L	95
65) 1,4-Dichlorobenzene	11.827	146	13154	0.986	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	12934	1.026	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	795	0.883	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	8792	0.851	ug/L	96
70) 1,2,4-trichlorobenzene	13.836	180	6359	0.780	ug/L	92
71) Naphthalene	14.090	128	9108	0.835	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	5768	0.816	ug/L	94

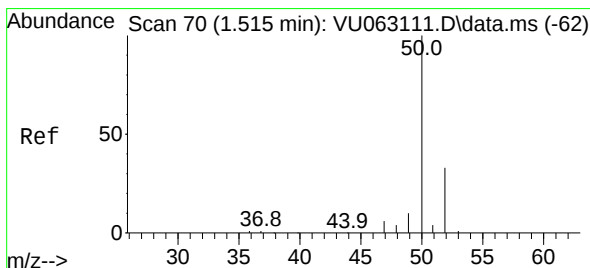
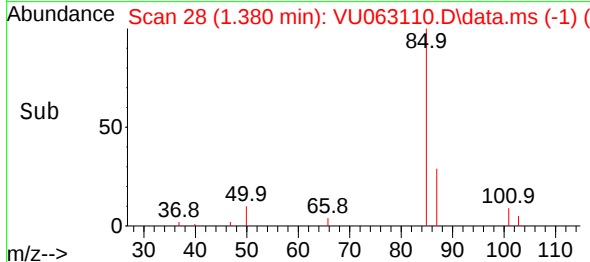
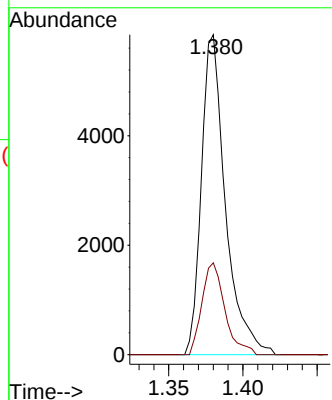
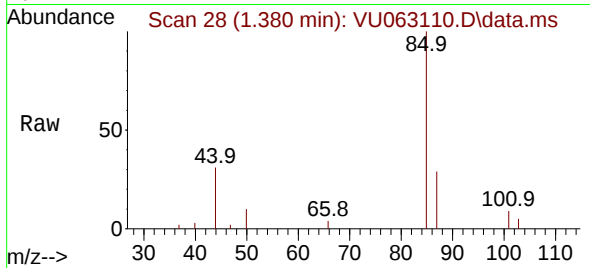
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.844 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VU063110.D
 Acq: 03 Feb 2025 10:25

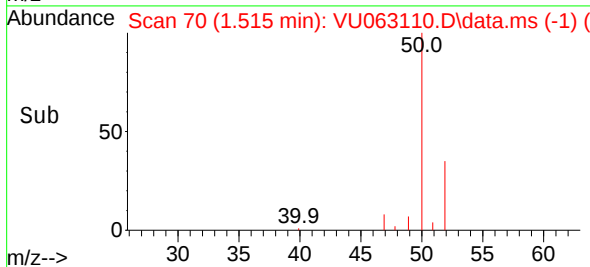
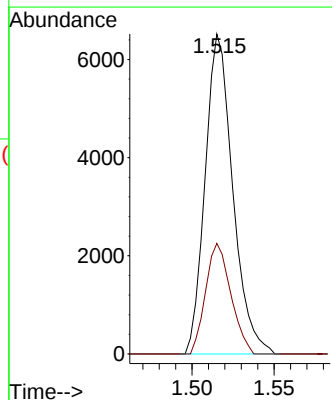
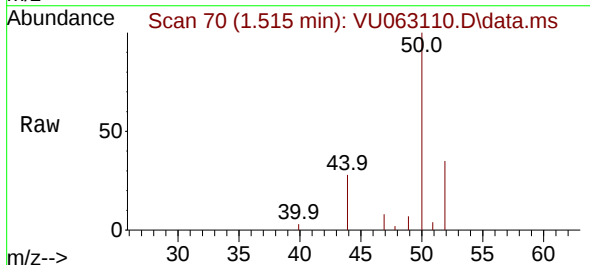
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001075

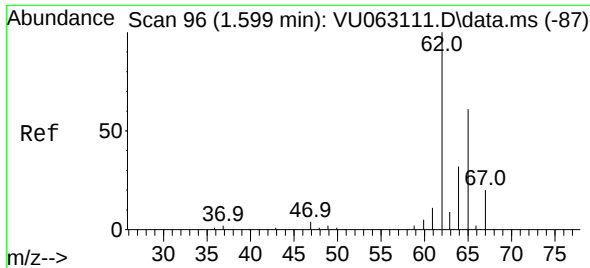
Tgt Ion: 85 Resp: 6576
 Ion Ratio Lower Upper
 85 100
 87 27.3 25.4 38.0



#3
 Chloromethane
 Concen: 1.646 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU063110.D
 Acq: 03 Feb 2025 10:25

Tgt Ion: 50 Resp: 7618
 Ion Ratio Lower Upper
 50 100
 52 34.5 23.2 43.2

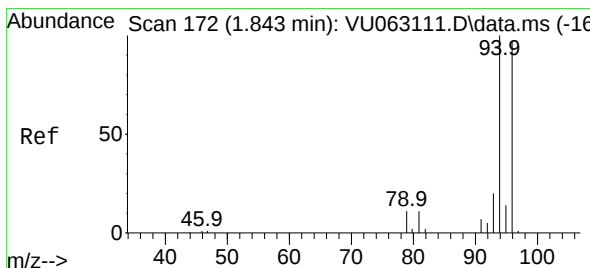
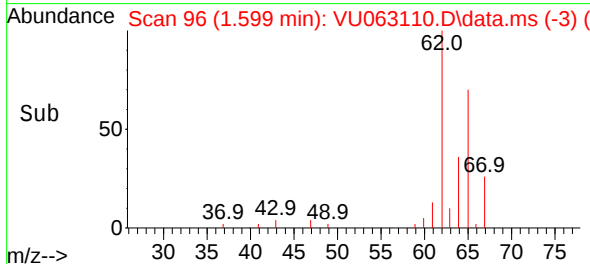
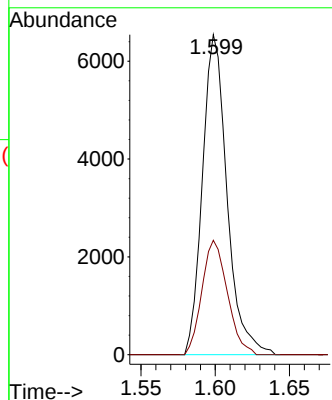
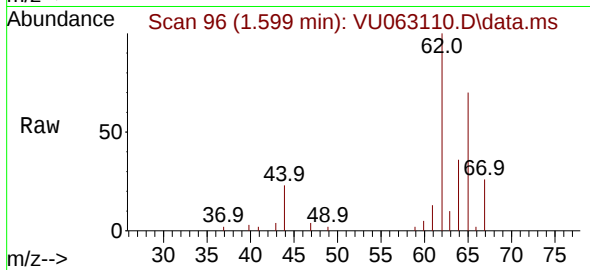




#5
 Vinyl chloride
 Concen: 1.475 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU063110.D
 Acq: 03 Feb 2025 10:25

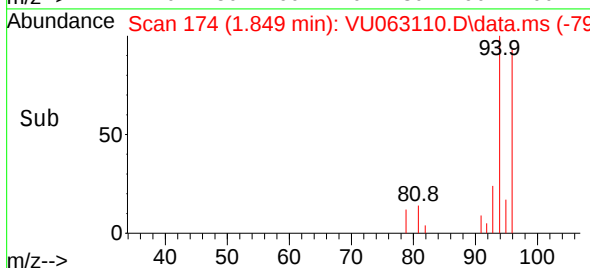
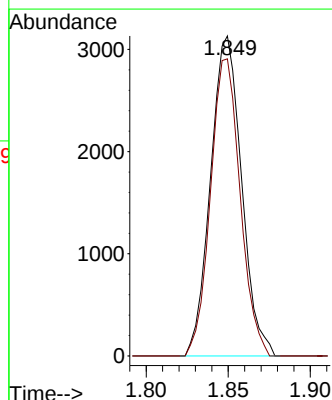
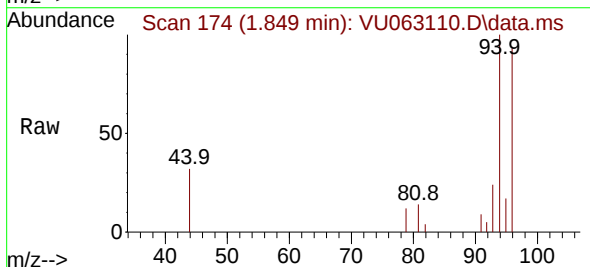
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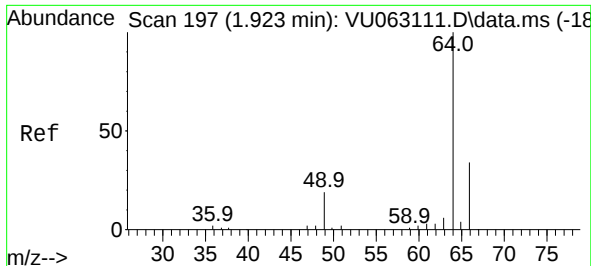
Tgt Ion: 62 Resp: 7526
 Ion Ratio Lower Upper
 62 100
 64 35.8 22.3 41.3



#6
 Bromomethane
 Concen: 1.591 ug/L
 RT: 1.849 min Scan# 174
 Delta R.T. 0.006 min
 Lab File: VU063110.D
 Acq: 03 Feb 2025 10:25

Tgt Ion: 94 Resp: 4114
 Ion Ratio Lower Upper
 94 100
 96 92.8 67.8 125.8

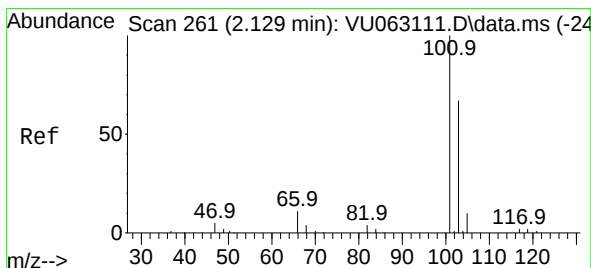
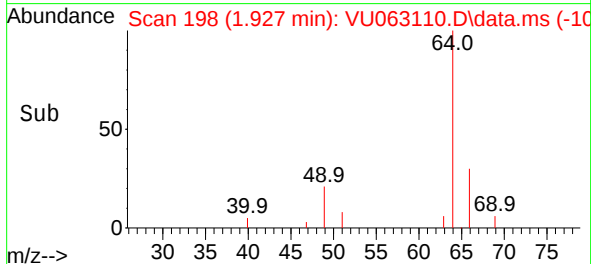
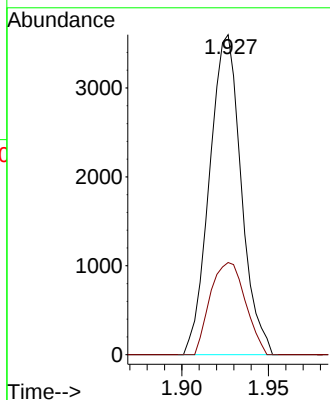
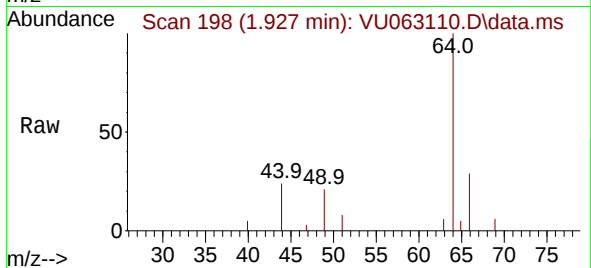




#8
Chloroethane
Concen: 1.708 ug/L
RT: 1.927 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

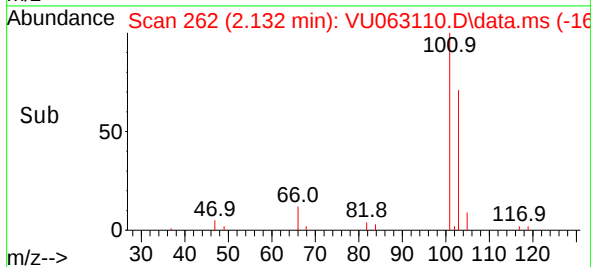
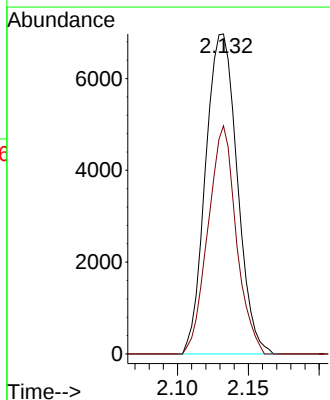
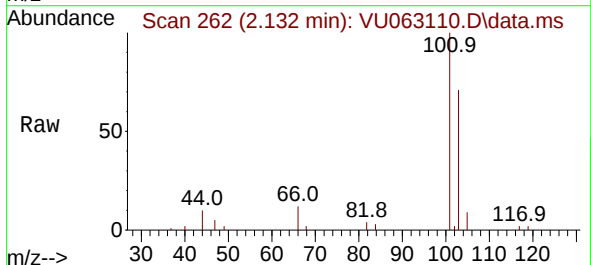
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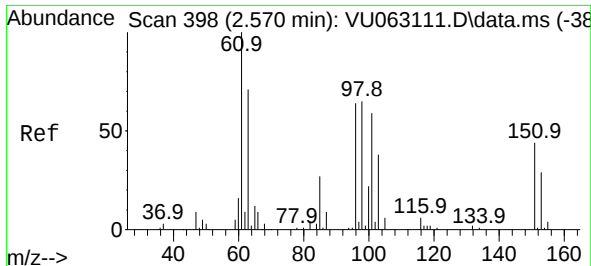
Tgt Ion: 64 Resp: 4585
Ion Ratio Lower Upper
64 100
66 28.8 24.1 44.7



#9
Trichlorofluoromethane
Concen: 0.974 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.003 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

Tgt Ion:101 Resp: 10849
Ion Ratio Lower Upper
101 100
103 63.6 53.0 79.4

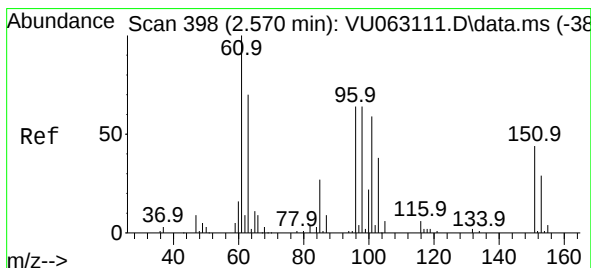
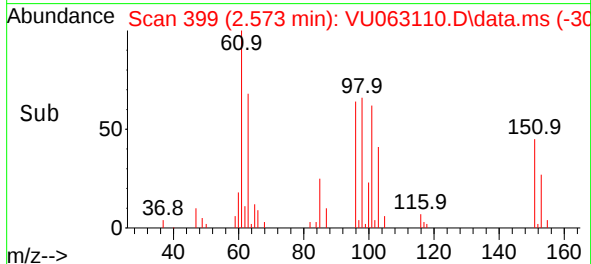
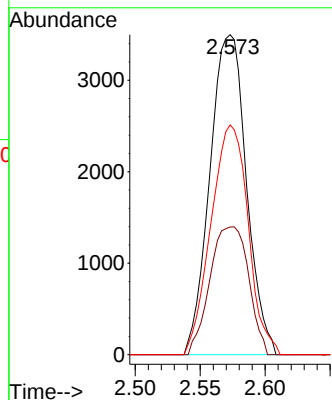
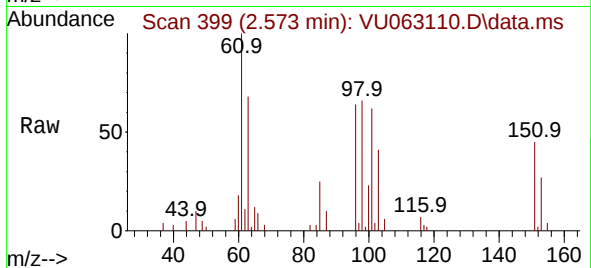




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.182 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.003 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

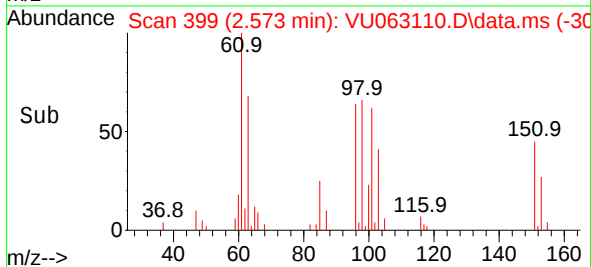
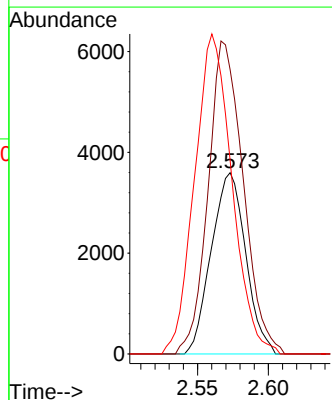
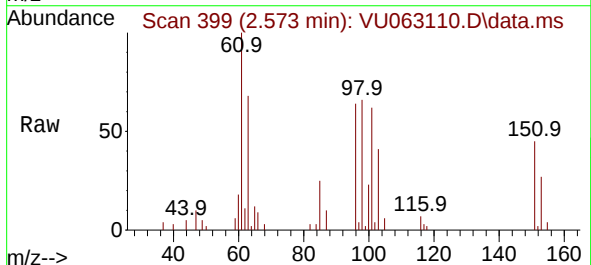
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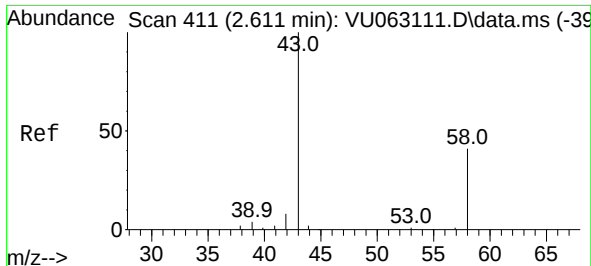
Tgt Ion:101 Resp: 6847
Ion Ratio Lower Upper
101 100
85 42.2 34.0 51.0
151 73.1 57.7 86.5



#12
1,1-Dichloroethene
Concen: 1.179 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.003 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

Tgt Ion: 96 Resp: 6074
Ion Ratio Lower Upper
96 100
61 156.8 110.2 204.6
63 106.9 79.6 147.8





#13

Acetone

Concen: 13.187 ug/L

RT: 2.621 min Scan# 411

Delta R.T. 0.010 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

Instrument :

MSVOA_U

ClientSampleId :

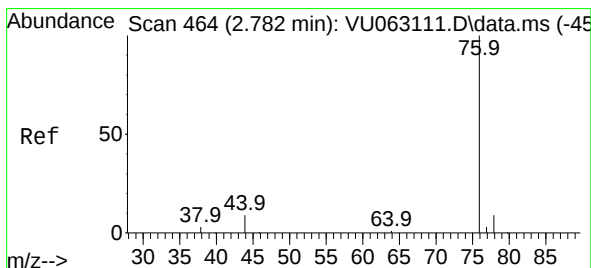
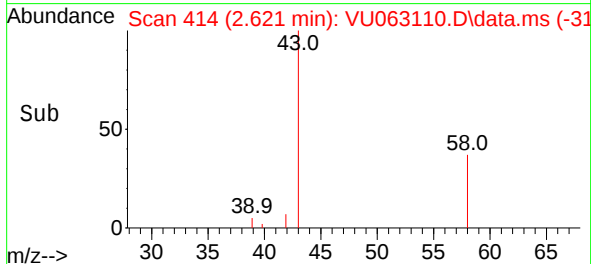
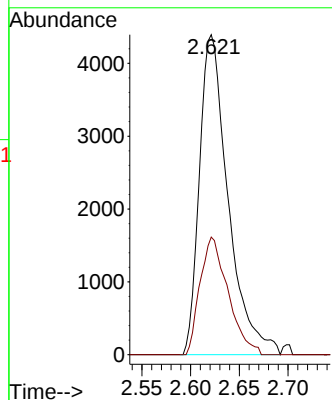
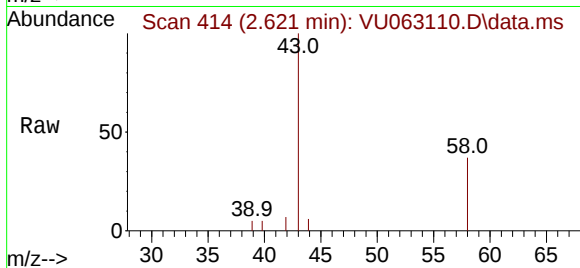
VSTD001075

Tgt Ion: 43 Resp: 8998

Ion Ratio Lower Upper

43 100

58 35.9 0.0 81.0



#14

Carbon disulfide

Concen: 1.339 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.003 min

Lab File: VU063110.D

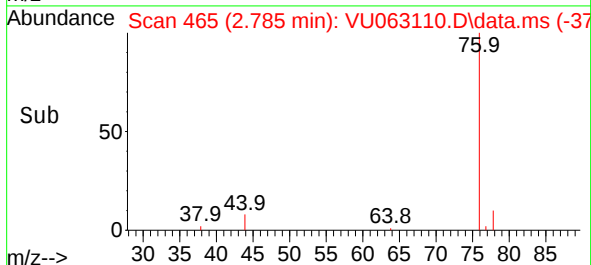
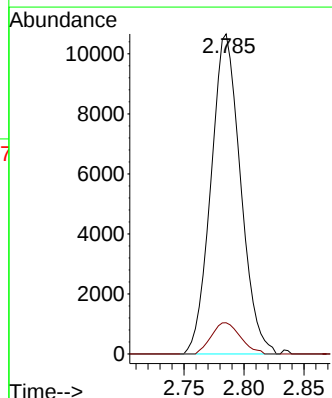
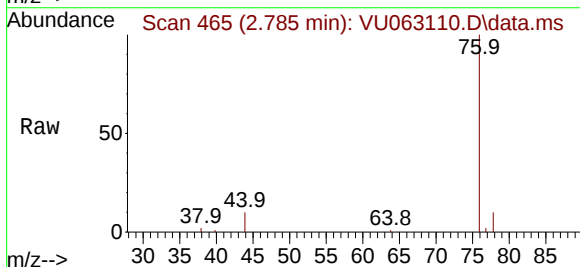
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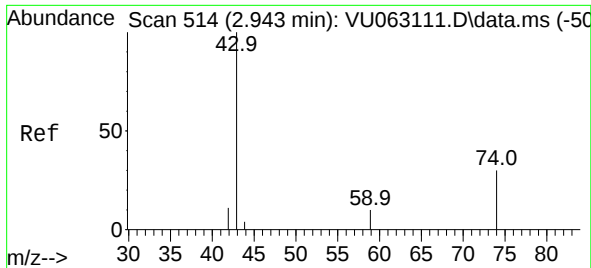
Tgt Ion: 76 Resp: 18290

Ion Ratio Lower Upper

76 100

78 9.8 7.0 10.6





#15

Methyl Acetate

Concen: 1.569 ug/L

RT: 2.949 min Scan# 51

Delta R.T. 0.006 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

Instrument :

MSVOA_U

ClientSampleId :

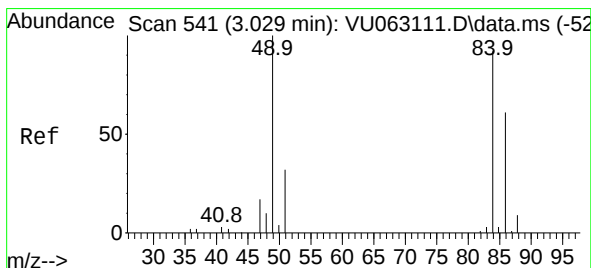
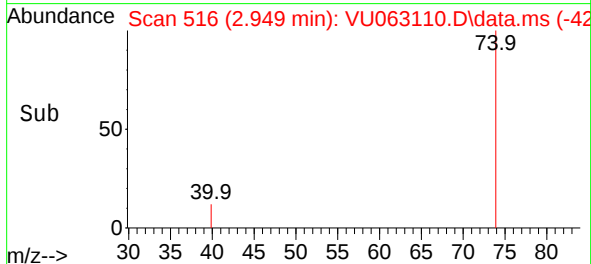
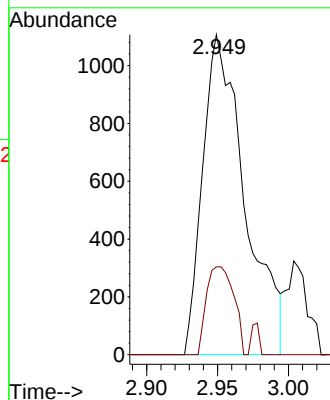
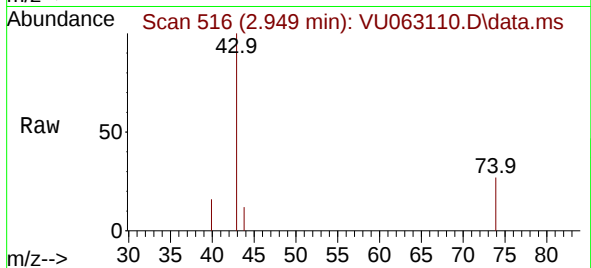
VSTD001075

Tgt Ion: 43 Resp: 2293

Ion Ratio Lower Upper

43 100

74 17.7 22.3 33.5#



#16

Methylene chloride

Concen: 1.287 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.006 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

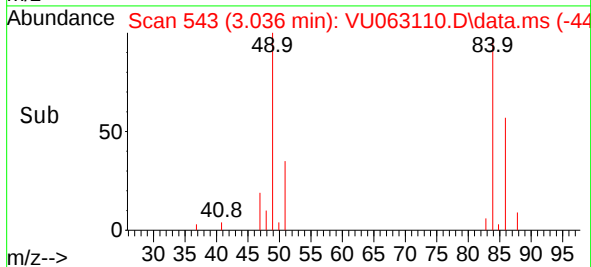
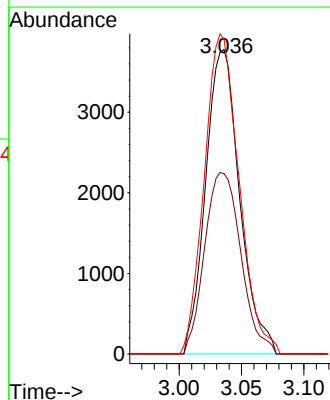
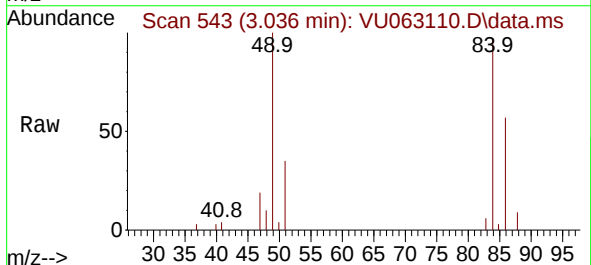
Tgt Ion: 84 Resp: 7182

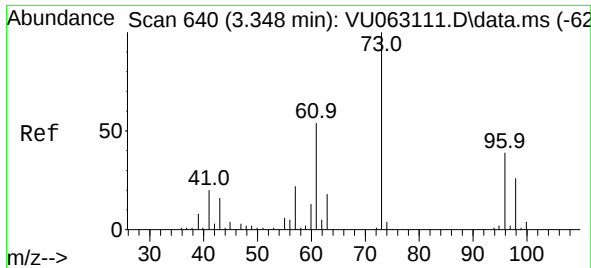
Ion Ratio Lower Upper

84 100

86 59.2 46.3 86.1

49 103.4 75.9 141.1

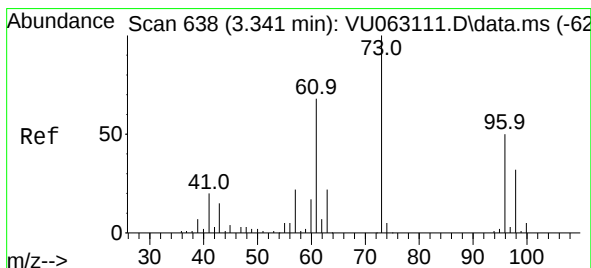
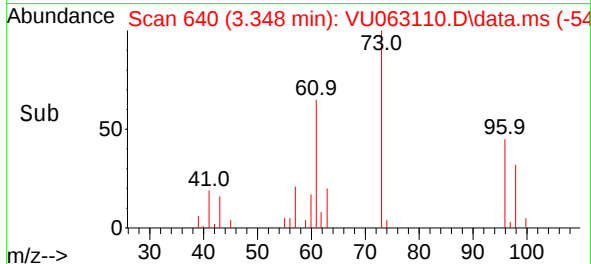
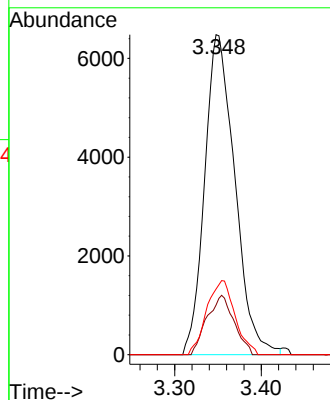
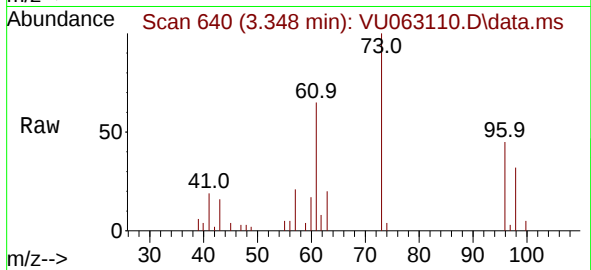




#17
Methyl tert-butyl Ether
Concen: 1.042 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

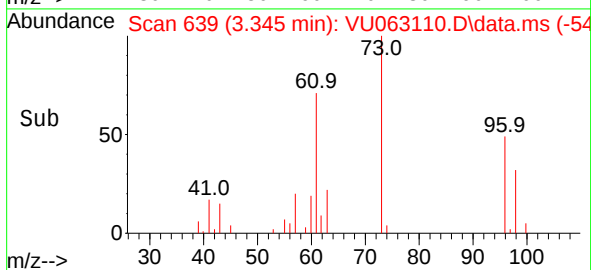
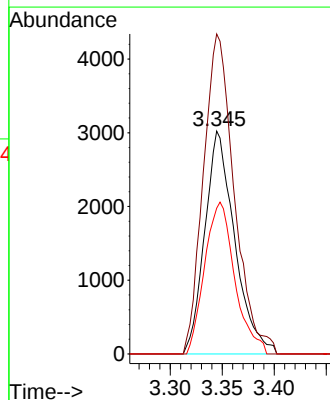
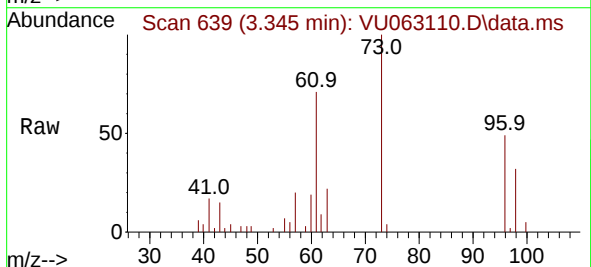
Instrument :
MSVOA_U
ClientSampleId :
VSTD001075

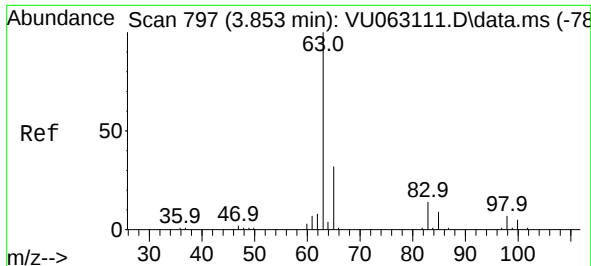
Tgt Ion: 73	Resp: 15698
Ion Ratio	Lower Upper
73 100	
43 16.7	12.5 18.7
57 21.7	17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 1.100 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.003 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

Tgt Ion: 96	Resp: 6036
Ion Ratio	Lower Upper
96 100	
61 143.6	94.6 175.6
98 65.4	44.4 82.5

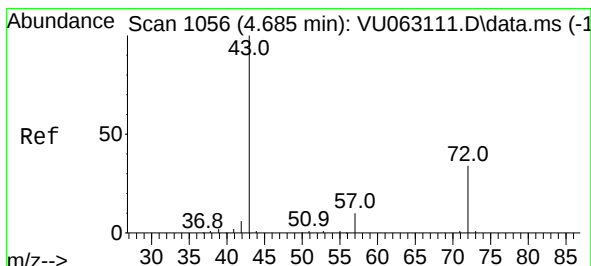
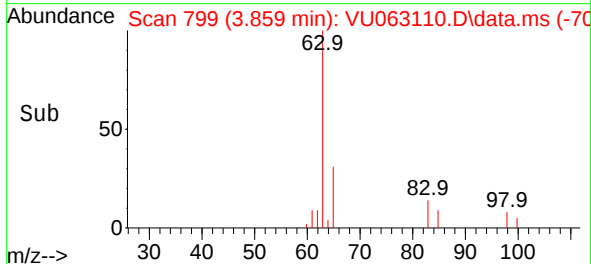
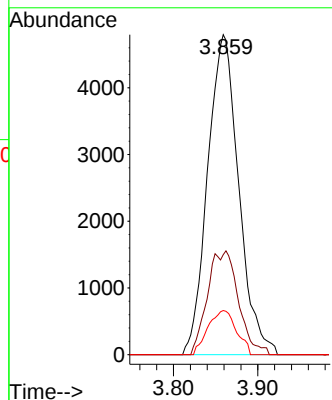
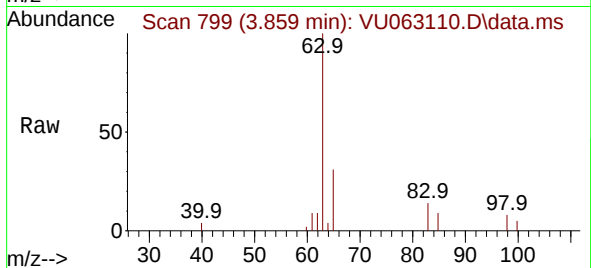




#19
1,1-Dichloroethane
Concen: 1.243 ug/L
RT: 3.859 min Scan# 797
Delta R.T. 0.006 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

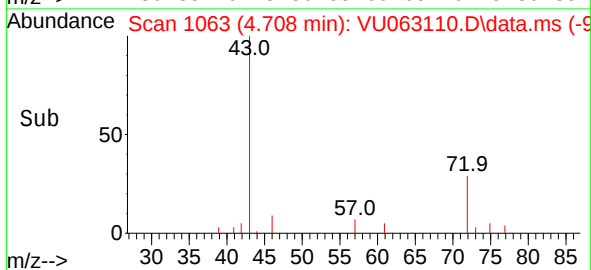
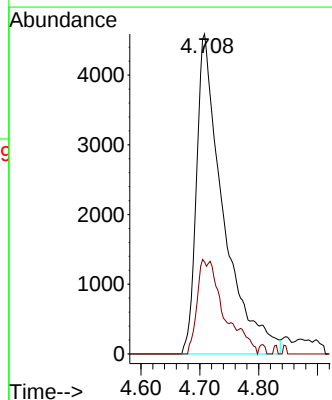
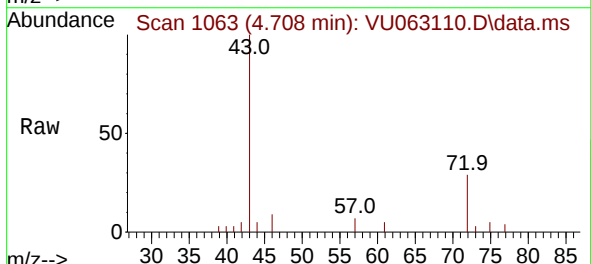
Instrument :
MSVOA_U
ClientSampleId :
VSTD001075

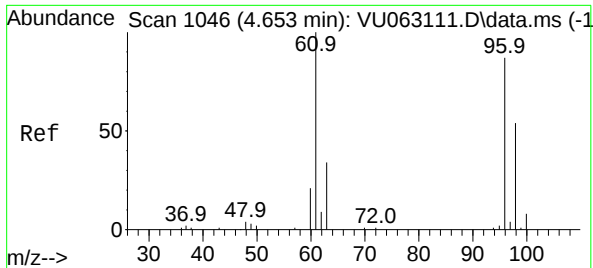
Tgt Ion: 63 Resp: 12279
Ion Ratio Lower Upper
63 100
65 31.2 22.7 42.1
83 13.8 9.9 18.3



#21
2-Butanone
Concen: 14.447 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. 0.023 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

Tgt Ion: 43 Resp: 14424
Ion Ratio Lower Upper
43 100
72 10.8 16.7 50.0#



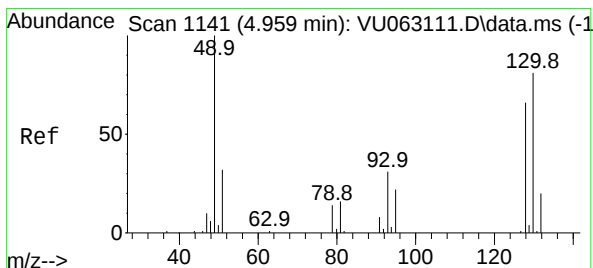
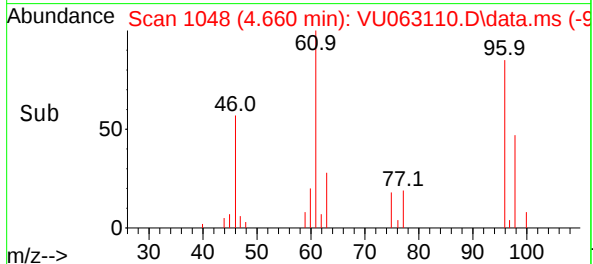
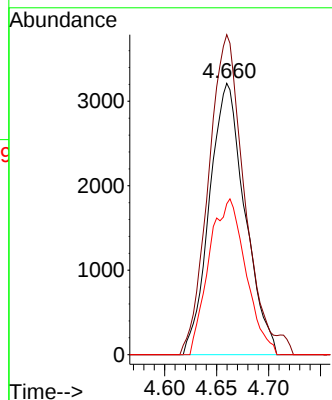
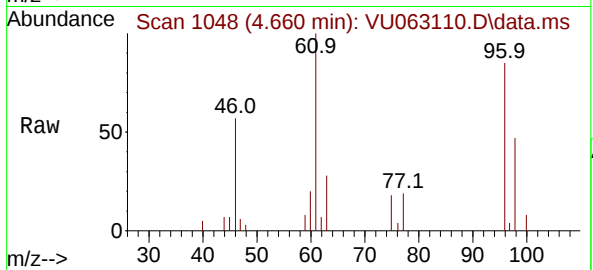


#22
 cis-1,2-Dichloroethene
 Concen: 1.149 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.006 min
 Lab File: VU063110.D
 Acq: 03 Feb 2025 10:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001075

Tgt Ion: 96 Resp: 7617

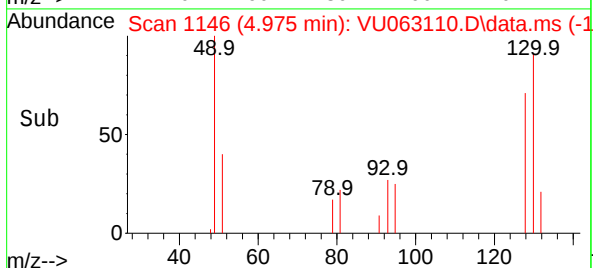
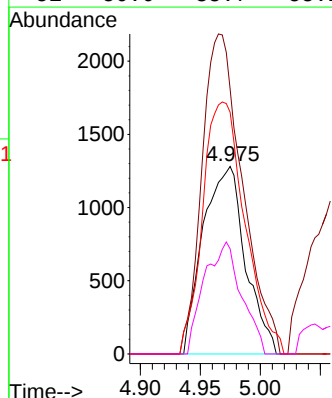
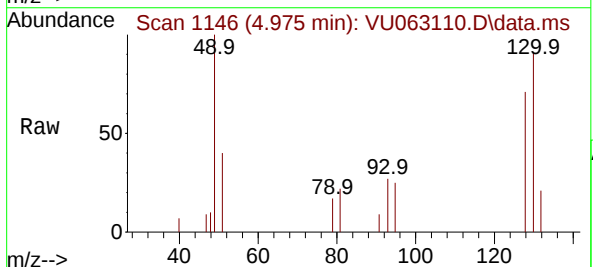
Ion	Ratio	Lower	Upper
96	100		
61	117.9	80.8	150.2
98	55.6	43.4	80.6

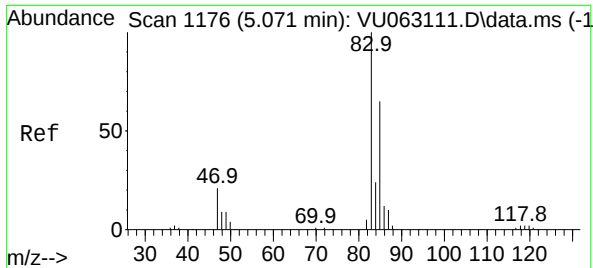


#23
 Bromochloromethane
 Concen: 0.989 ug/L
 RT: 4.975 min Scan# 1146
 Delta R.T. 0.016 min
 Lab File: VU063110.D
 Acq: 03 Feb 2025 10:25

Tgt Ion: 128 Resp: 3147

Ion	Ratio	Lower	Upper
128	100		
49	141.3	105.4	195.8
130	128.9	85.0	157.8
51	56.0	38.7	58.1





#25

Chloroform

Concen: 0.969 ug/L

RT: 5.078 min Scan# 1176

Delta R.T. 0.006 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

Instrument :

MSVOA_U

ClientSampleId :

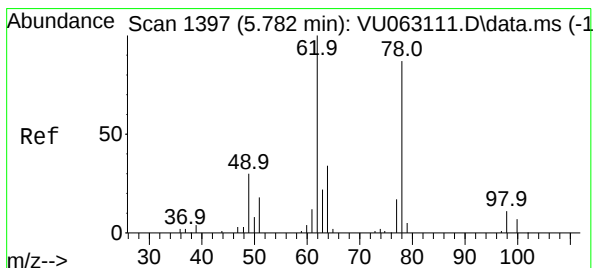
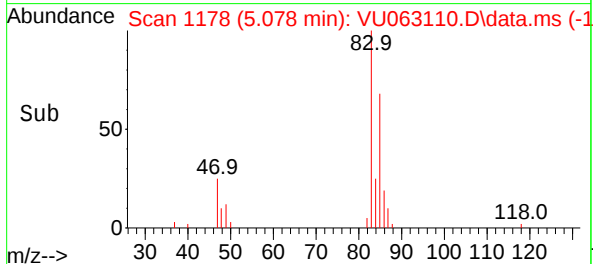
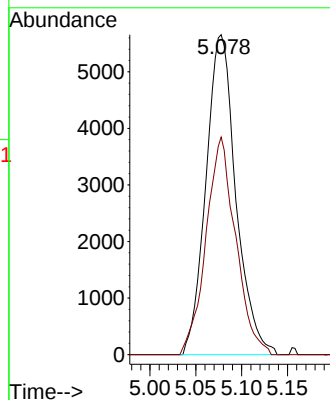
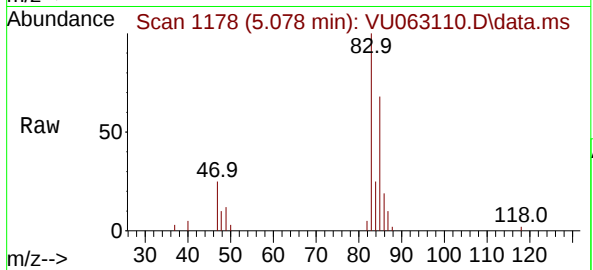
VSTD001075

Tgt Ion: 83 Resp: 12868

Ion Ratio Lower Upper

83 100

85 68.0 45.7 84.9



#27

1,2-Dichloroethane

Concen: 0.871 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VU063110.D

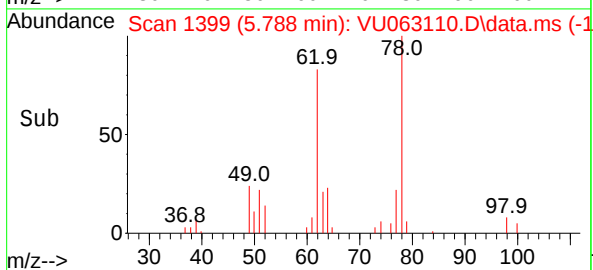
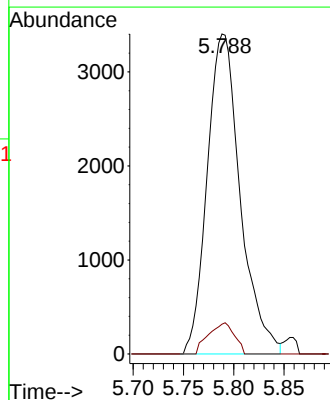
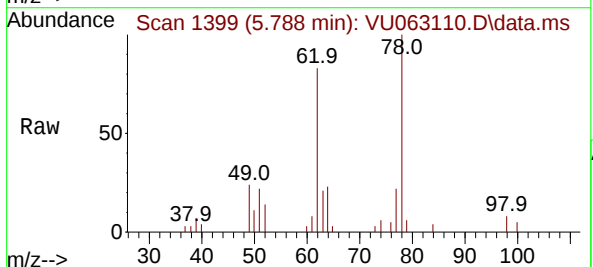
Acq: 03 Feb 2025 10:25

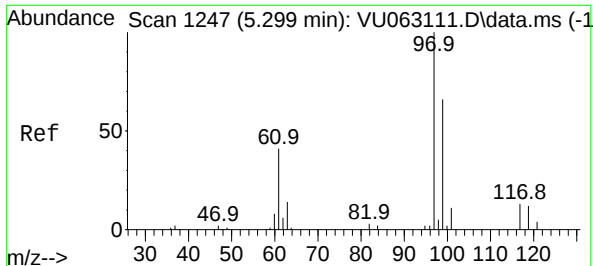
Tgt Ion: 62 Resp: 7784

Ion Ratio Lower Upper

62 100

98 9.3 8.6 12.8

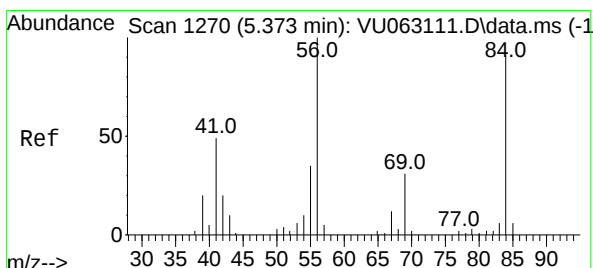
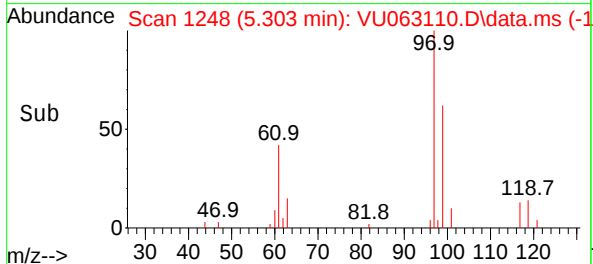
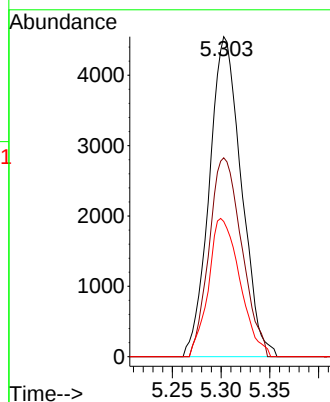
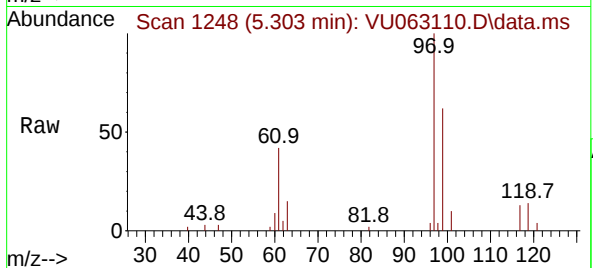




#29
1,1,1-Trichloroethane
Concen: 0.783 ug/L
RT: 5.303 min Scan# 1247
Delta R.T. 0.003 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

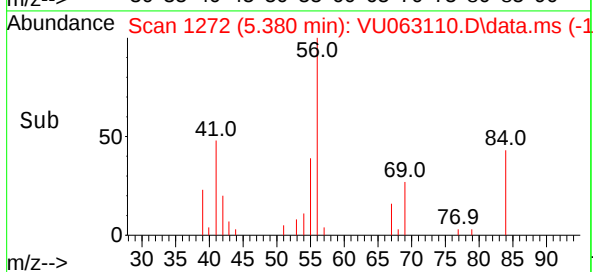
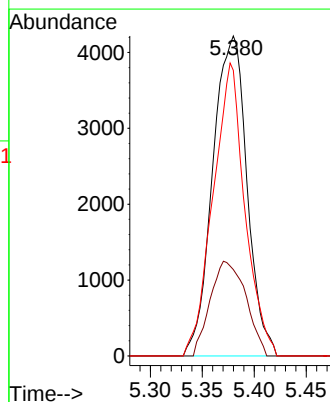
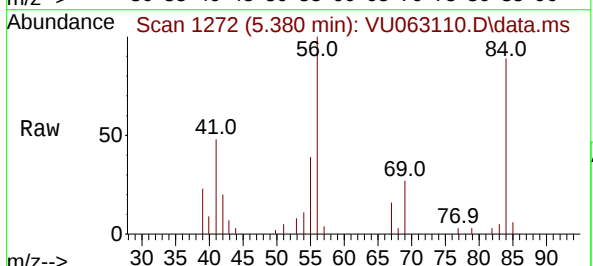
Instrument :
MSVOA_U
ClientSampleId :
VSTD001075

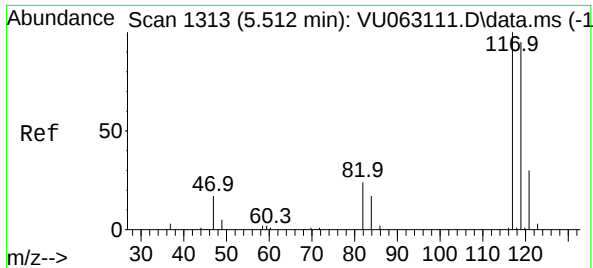
Tgt Ion:	97	Resp:	10406
Ion	Ratio	Lower	Upper
97	100		
99	63.2	52.3	78.5
61	42.5	33.2	49.8



#30
Cyclohexane
Concen: 1.331 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.006 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

Tgt Ion:	56	Resp:	9684
Ion	Ratio	Lower	Upper
56	100		
69	30.7	25.1	37.7
84	85.0	71.4	107.2

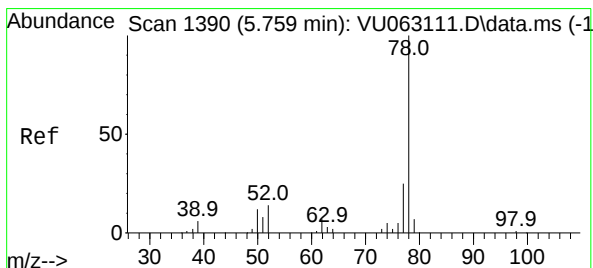
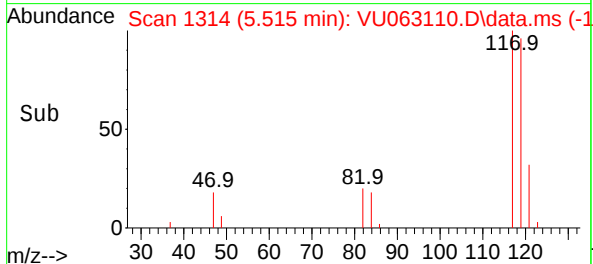
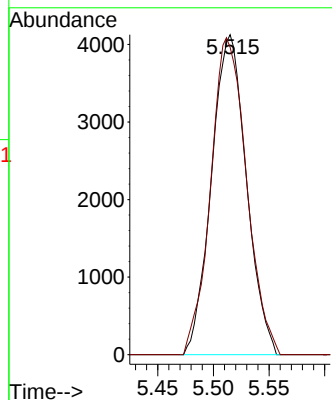
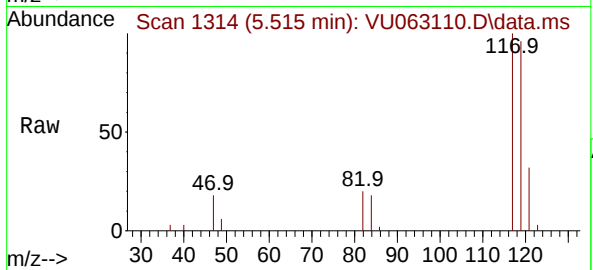




#31
Carbon tetrachloride
Concen: 0.720 ug/L
RT: 5.515 min Scan# 1313
Delta R.T. 0.003 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

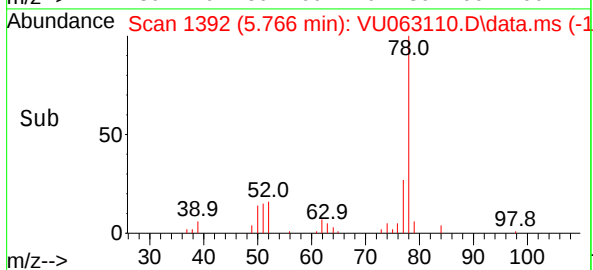
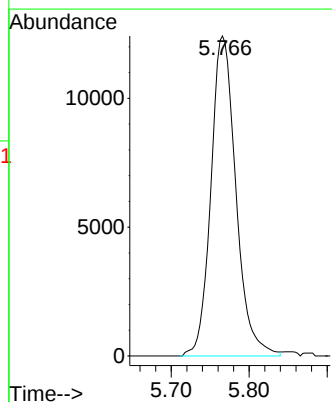
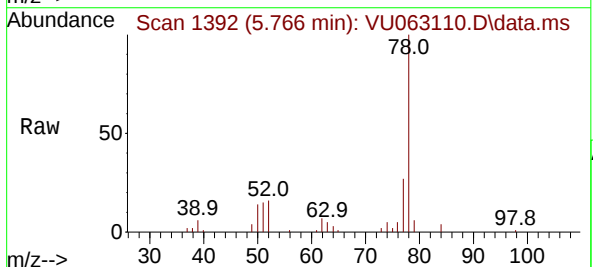
Instrument :
MSVOA_U
ClientSampleId :
VSTD001075

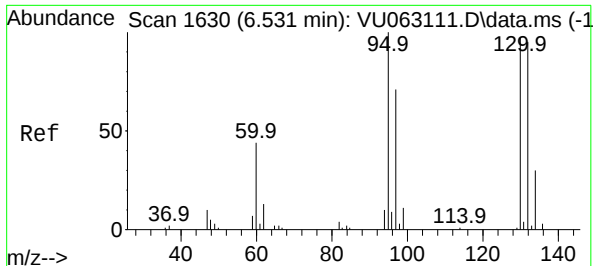
Tgt Ion:117 Resp: 8996
Ion Ratio Lower Upper
117 100
119 101.8 77.0 115.6



#33
Benzene
Concen: 1.183 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

Tgt Ion: 78 Resp: 27725

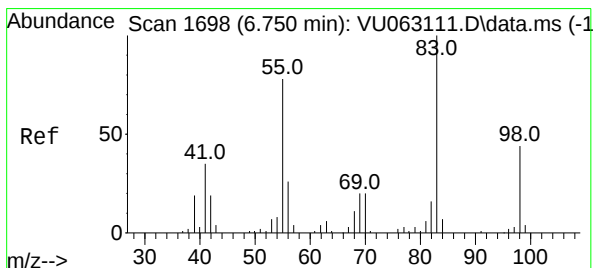
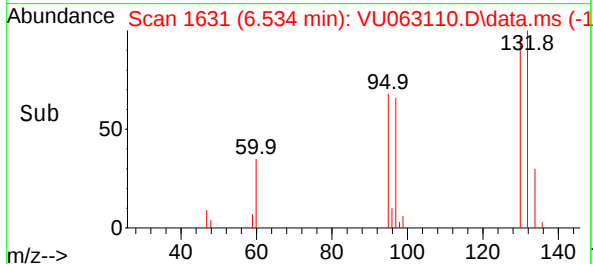
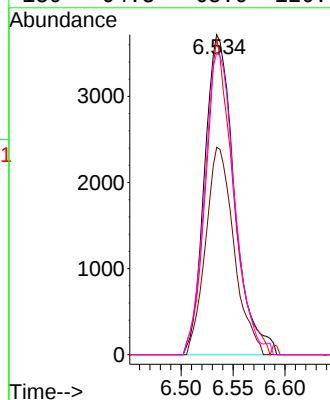
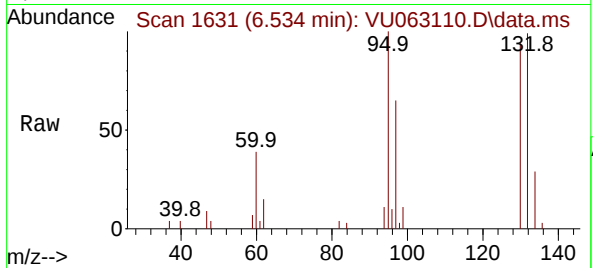




#34
Trichloroethene
Concen: 0.983 ug/L
RT: 6.534 min Scan# 1630
Delta R.T. 0.003 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

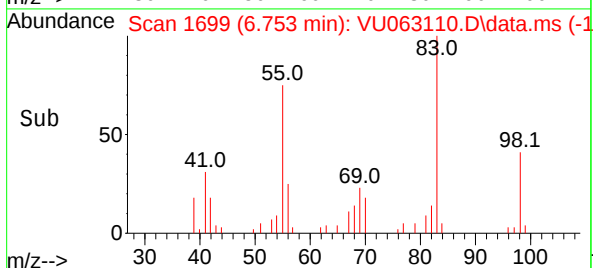
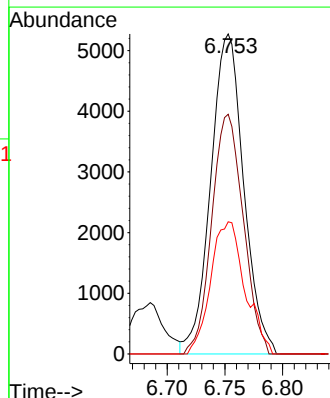
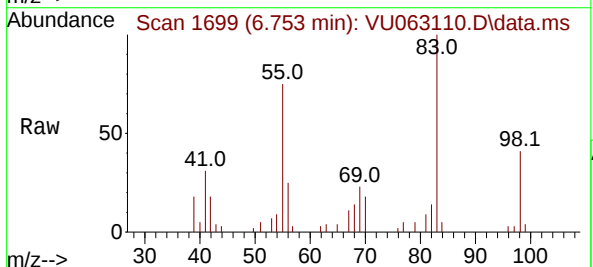
Instrument :
MSVOA_U
ClientSampleId :
VSTD001075

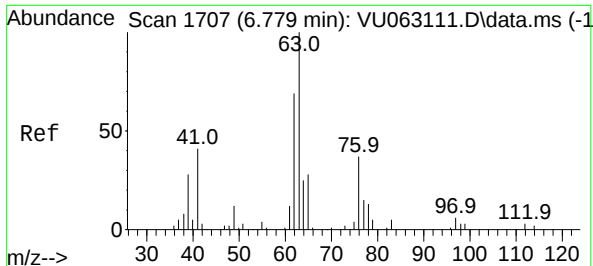
Tgt Ion: 95 Resp: 7395
Ion Ratio Lower Upper
95 100
97 64.8 49.6 92.0
132 98.7 66.4 123.2
130 94.3 68.0 126.4



#35
Methylcyclohexane
Concen: 1.081 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. 0.003 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

Tgt Ion: 83 Resp: 10478
Ion Ratio Lower Upper
83 100
55 71.5 59.4 89.0
98 42.9 35.8 53.8





#37

1,2-Dichloropropane

Concen: 1.355 ug/L

RT: 6.782 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

Instrument :

MSVOA_U

ClientSampleId :

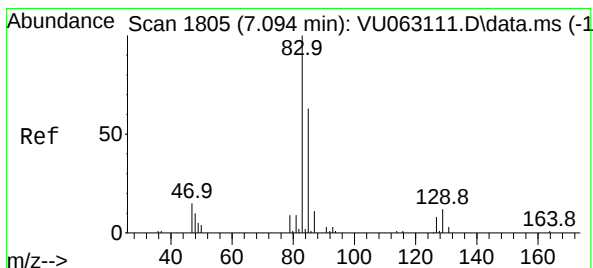
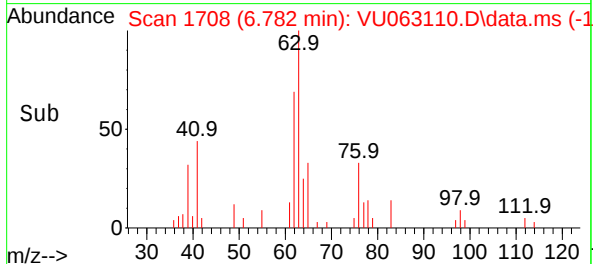
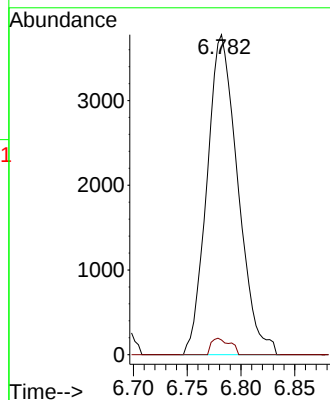
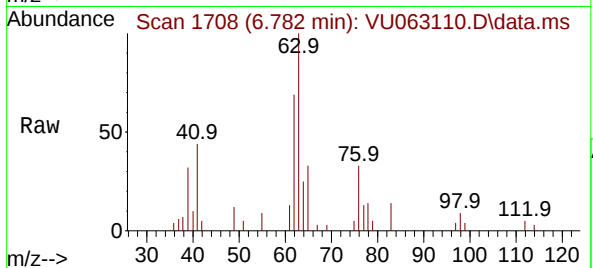
VSTD001075

Tgt Ion: 63 Resp: 7529

Ion Ratio Lower Upper

63 100

112 3.1 2.7 4.1



#38

Bromodichloromethane

Concen: 0.959 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. 0.003 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

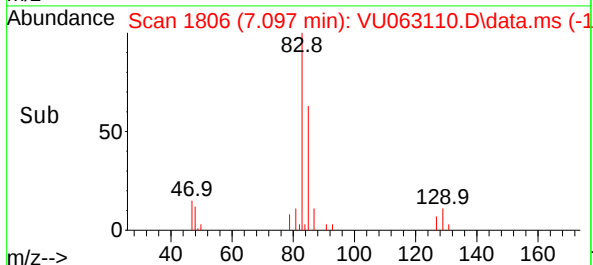
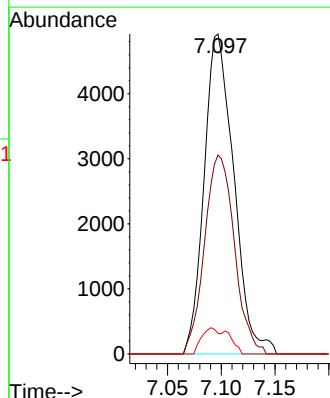
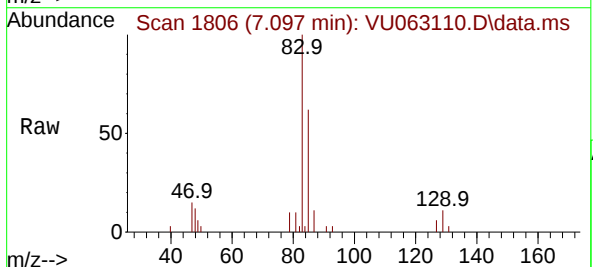
Tgt Ion: 83 Resp: 9436

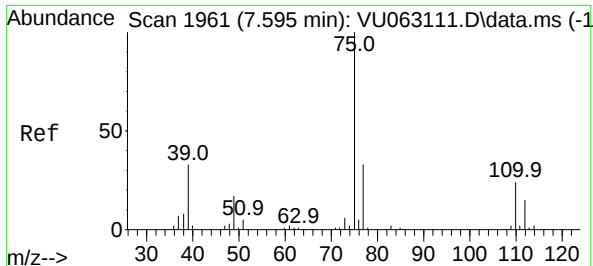
Ion Ratio Lower Upper

83 100

85 62.1 44.0 81.8

127 6.4 6.1 9.1

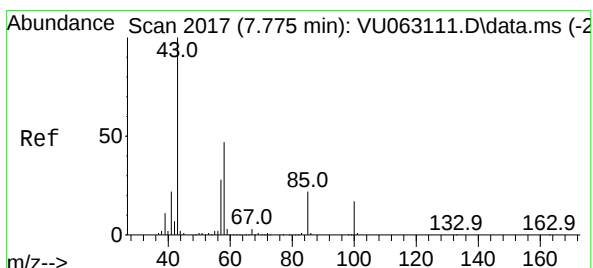
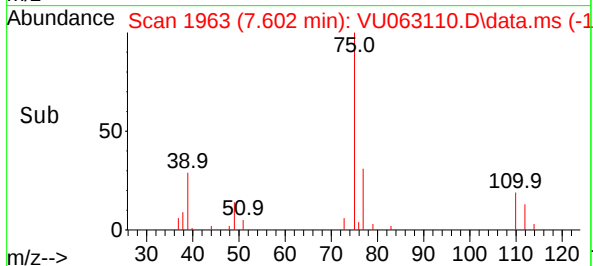
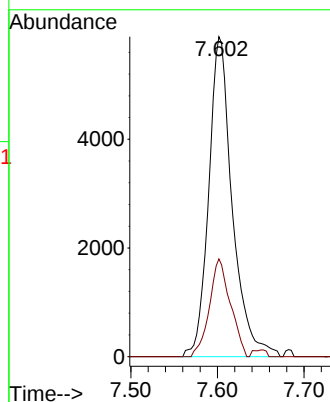
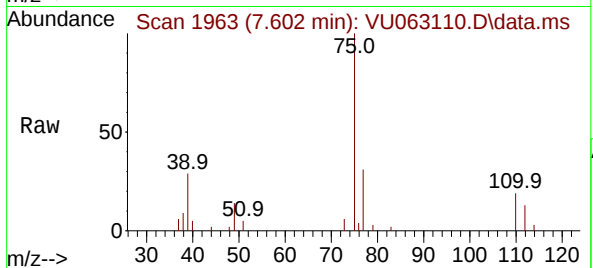




#39
cis-1,3-Dichloropropene
Concen: 1.146 ug/L
RT: 7.602 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

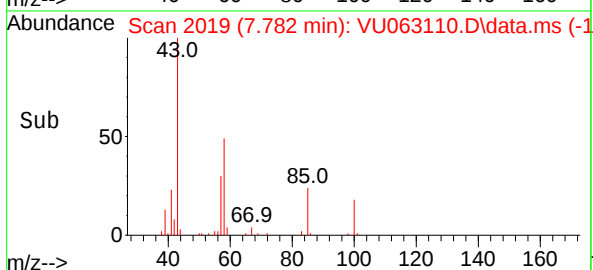
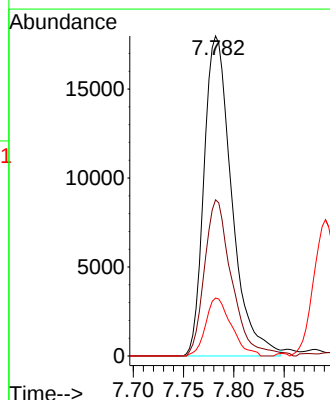
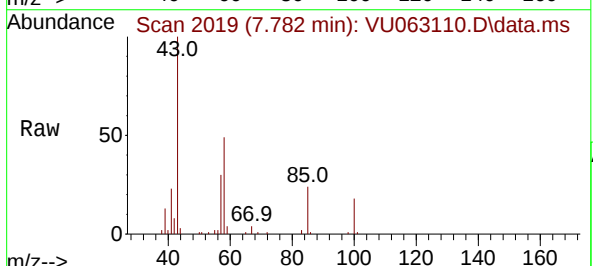
Instrument :
MSVOA_U
ClientSampleId :
VSTD001075

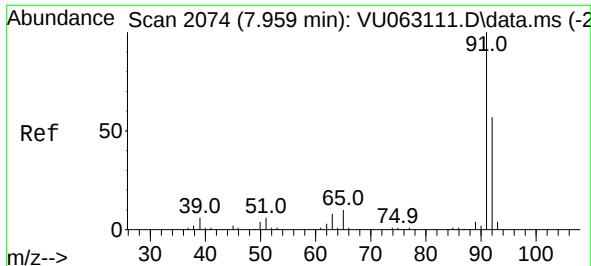
Tgt Ion: 75 Resp: 11129
Ion Ratio Lower Upper
75 100
77 30.5 22.9 42.5



#40
4-Methyl-2-pentanone
Concen: 12.703 ug/L
RT: 7.782 min Scan# 2019
Delta R.T. 0.006 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

Tgt Ion: 43 Resp: 34482
Ion Ratio Lower Upper
43 100
58 48.0 37.7 56.5
100 16.7 13.7 20.5





#42

Toluene

Concen: 1.092 ug/L

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

Instrument :

MSVOA_U

ClientSampleId :

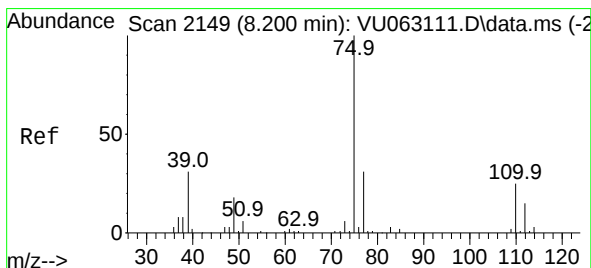
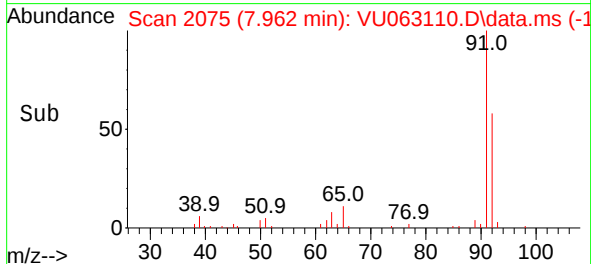
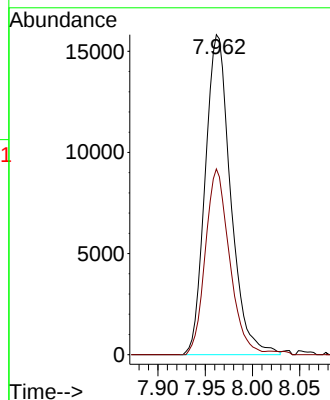
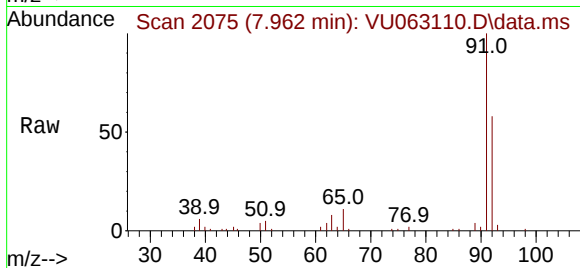
VSTD001075

Tgt Ion: 91 Resp: 29558

Ion Ratio Lower Upper

91 100

92 58.1 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 0.977 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.003 min

Lab File: VU063110.D

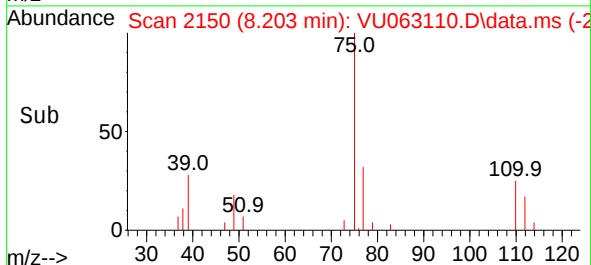
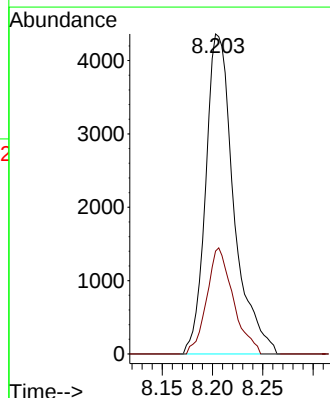
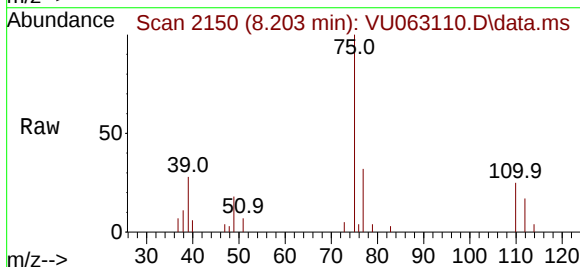
Acq: 03 Feb 2025 10:25

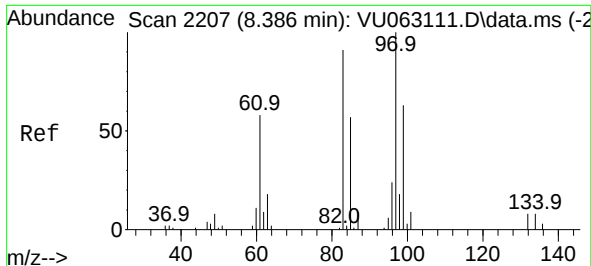
Tgt Ion: 75 Resp: 8480

Ion Ratio Lower Upper

75 100

77 32.2 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 1.125 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.006 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD001075

Tgt Ion: 97 Resp: 5510

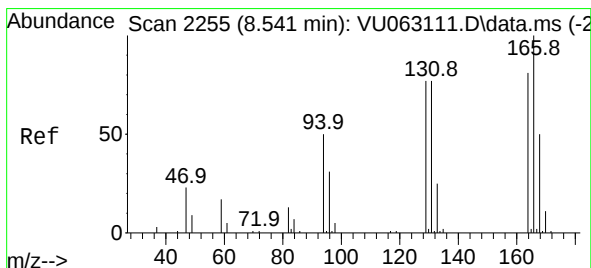
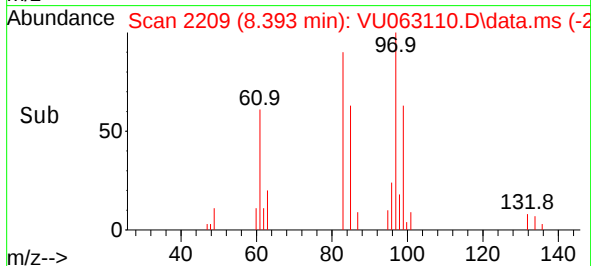
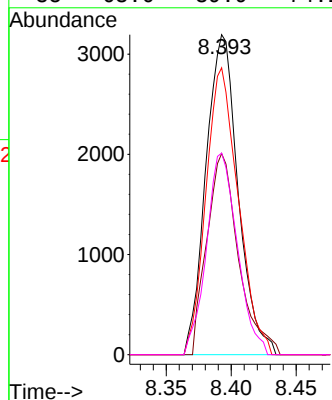
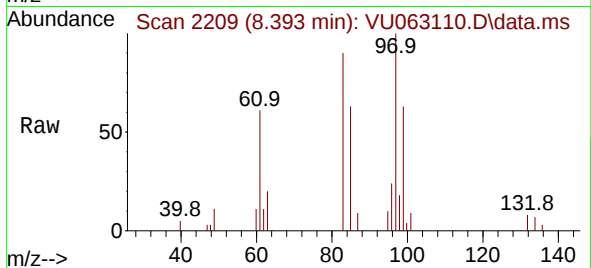
Ion Ratio Lower Upper

97 100

99 62.9 43.9 81.5

83 89.7 63.4 117.8

85 63.0 39.9 74.1



#47

Tetrachloroethene

Concen: 0.803 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.006 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

Tgt Ion:164 Resp: 4928

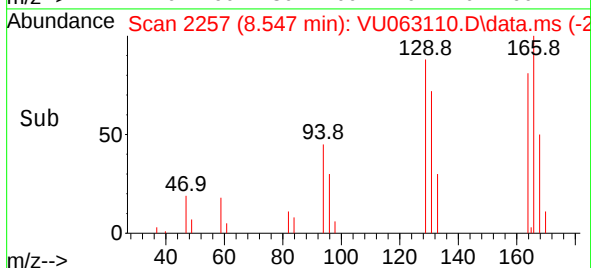
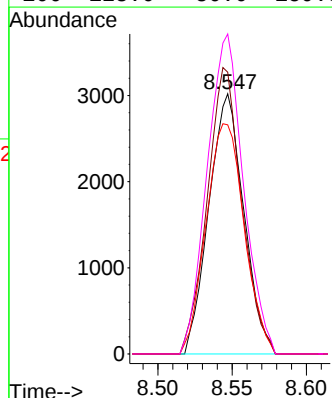
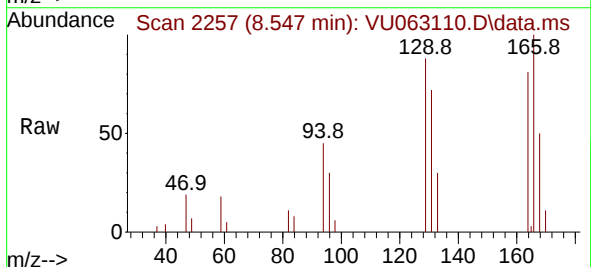
Ion Ratio Lower Upper

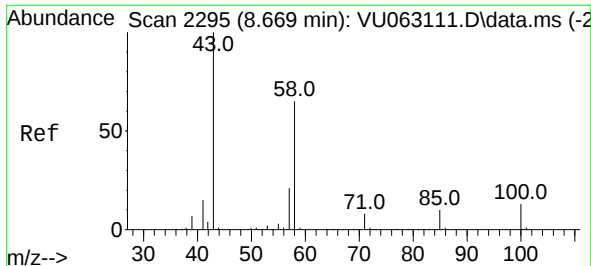
164 100

129 108.3 66.2 123.0

131 88.0 66.4 123.4

166 123.0 86.0 159.8





#48

2-Hexanone

Concen: 12.371 ug/L

RT: 8.679 min Scan# 2295

Delta R.T. 0.010 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD001075

Tgt Ion: 43 Resp: 23448

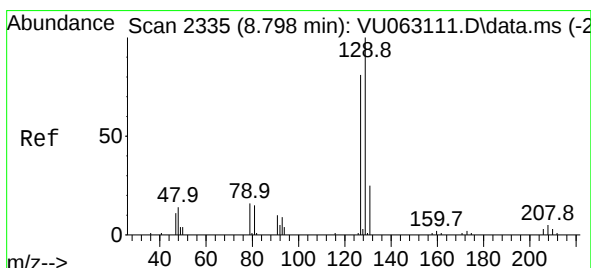
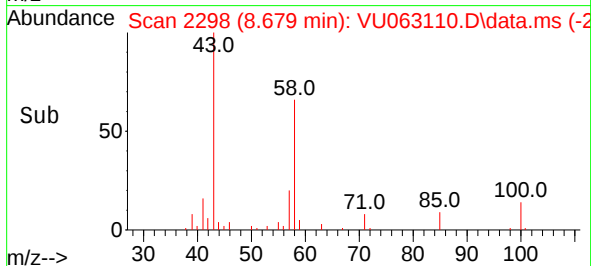
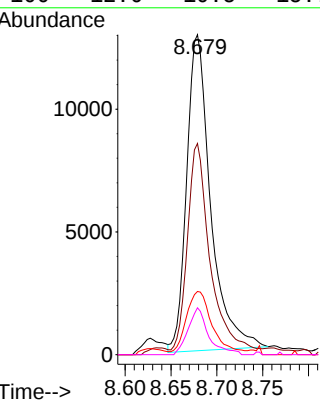
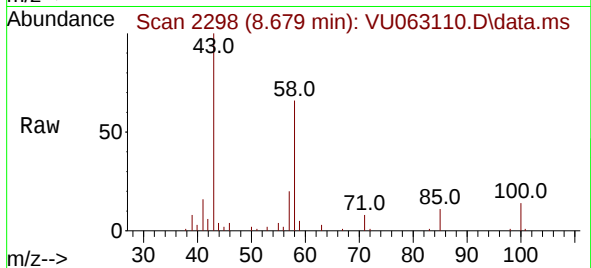
Ion Ratio Lower Upper

43 100

58 61.5 50.0 75.0

57 21.9 16.6 24.8

100 12.6 10.5 15.7



#49

Dibromochloromethane

Concen: 0.864 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. 0.003 min

Lab File: VU063110.D

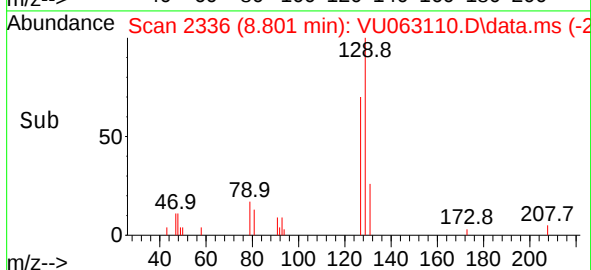
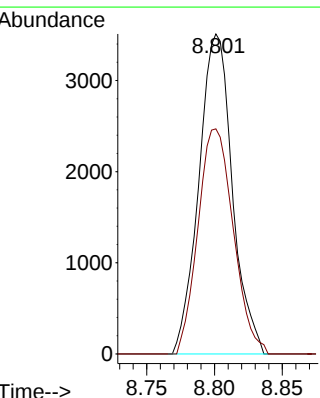
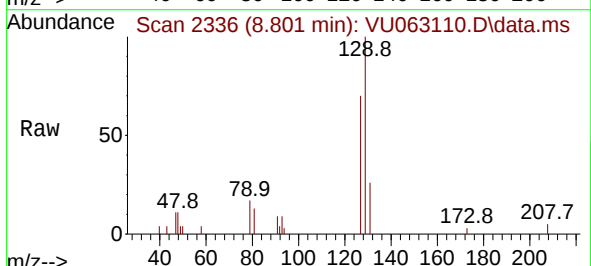
Acq: 03 Feb 2025 10:25

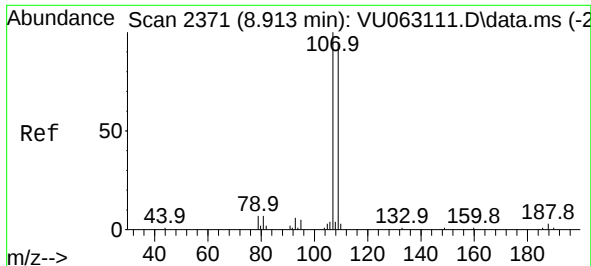
Tgt Ion: 129 Resp: 6037

Ion Ratio Lower Upper

129 100

127 70.3 56.8 105.4





#50

1,2-Dibromoethane

Concen: 1.081 ug/L

RT: 8.917 min Scan# 24

Delta R.T. 0.003 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD001075

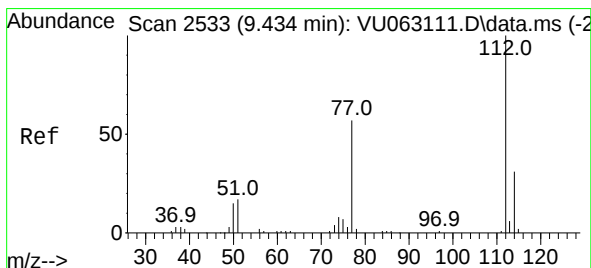
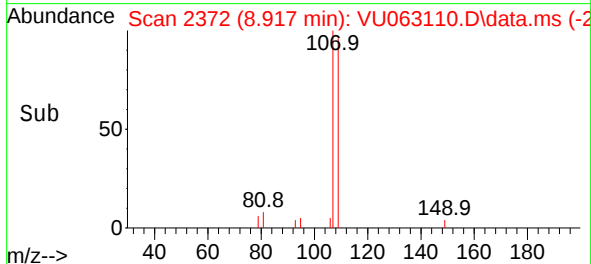
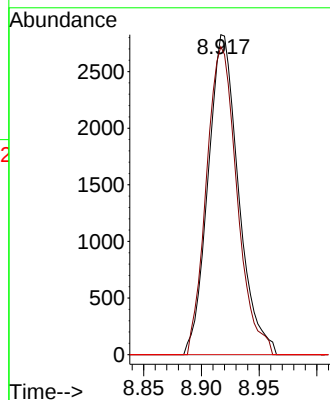
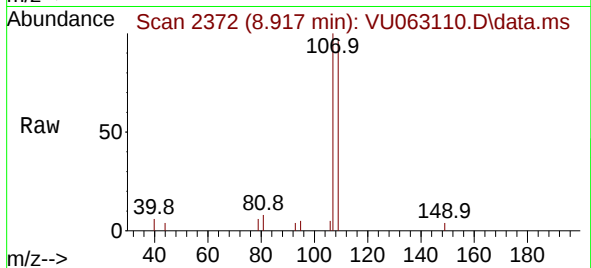
Tgt Ion:107 Resp: 5193

Ion Ratio Lower Upper

107 100

109 96.2 66.3 123.1

188 0.0 2.6 4.0#



#51

Chlorobenzene

Concen: 0.991 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. 0.003 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

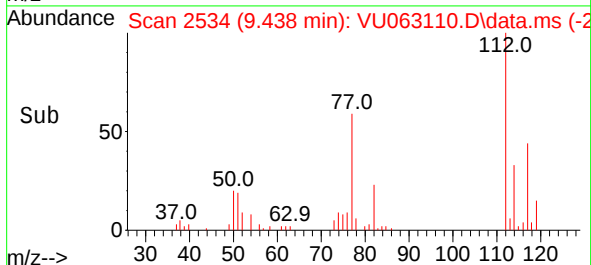
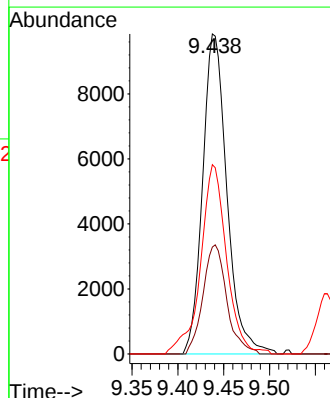
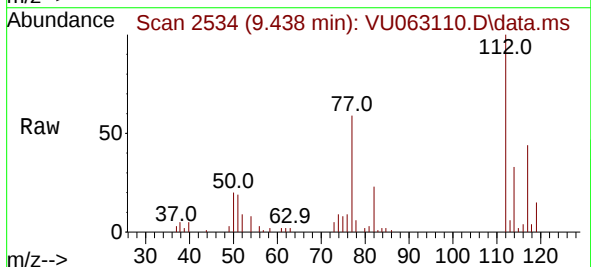
Tgt Ion:112 Resp: 18119

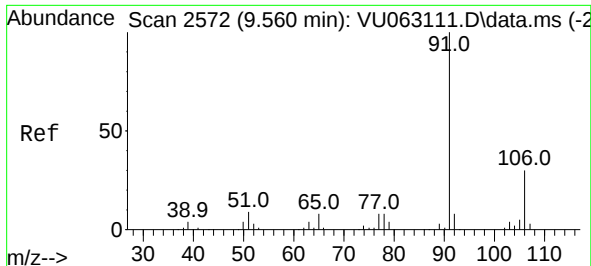
Ion Ratio Lower Upper

112 100

114 33.4 21.6 40.2

77 59.1 45.8 68.8





#52

Ethylbenzene

Concen: 1.000 ug/L

RT: 9.563 min Scan# 2572

Delta R.T. 0.003 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

Instrument :

MSVOA_U

ClientSampleId :

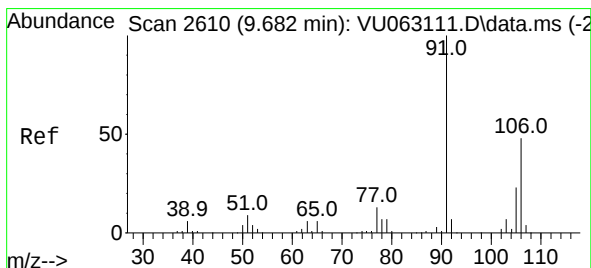
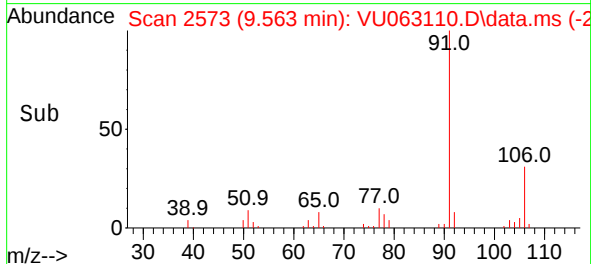
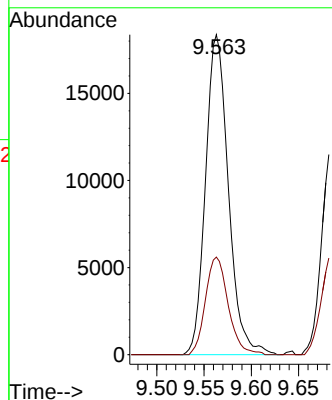
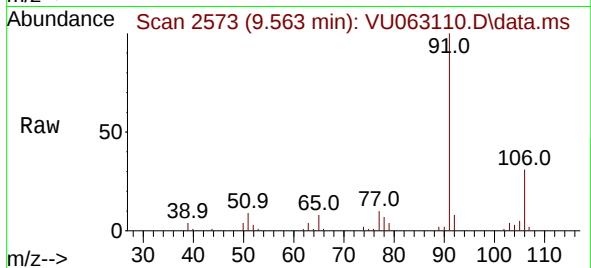
VSTD001075

Tgt Ion: 91 Resp: 30871

Ion Ratio Lower Upper

91 100

106 30.5 21.1 39.3



#53

m,p-Xylene

Concen: 0.949 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. 0.006 min

Lab File: VU063110.D

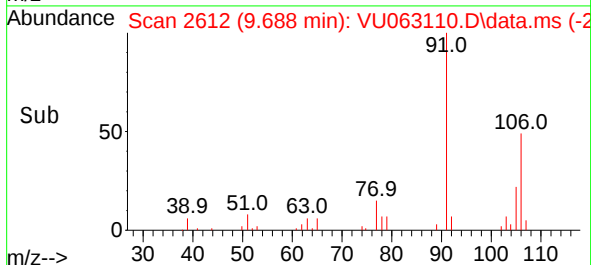
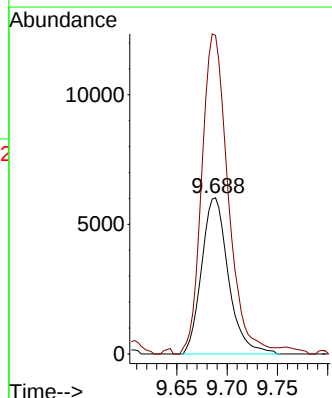
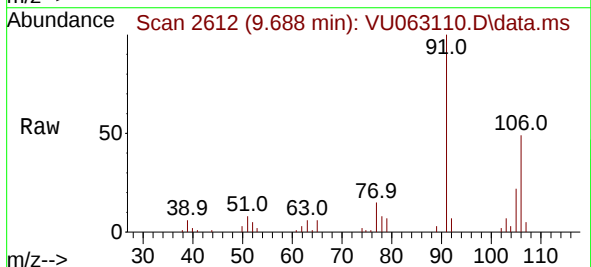
Acq: 03 Feb 2025 10:25

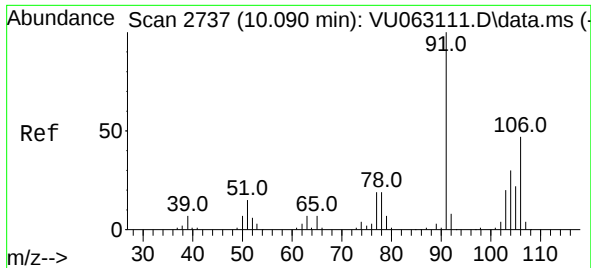
Tgt Ion:106 Resp: 11143

Ion Ratio Lower Upper

106 100

91 203.9 147.7 274.3

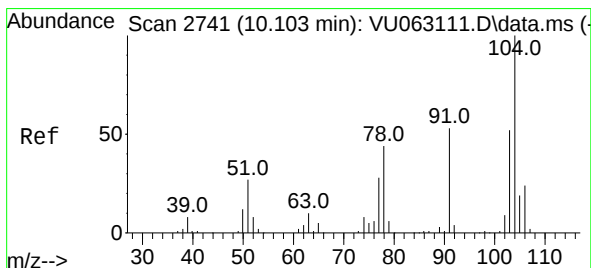
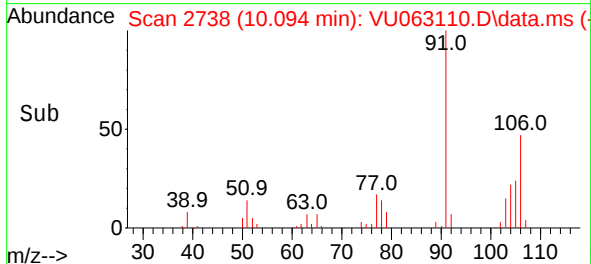
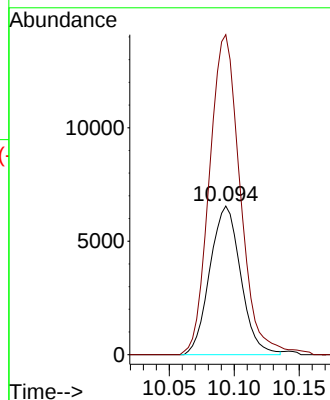
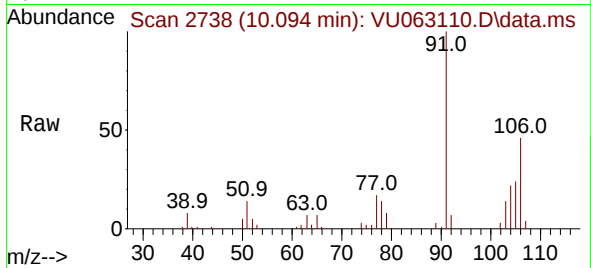




#54
o-Xylene
Concen: 0.992 ug/L
RT: 10.094 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

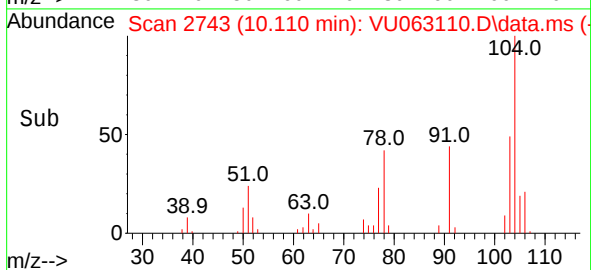
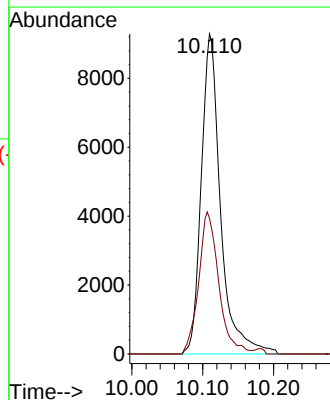
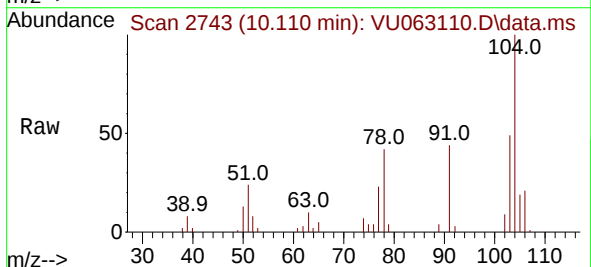
Instrument :
MSVOA_U
ClientSampleId :
VSTD001075

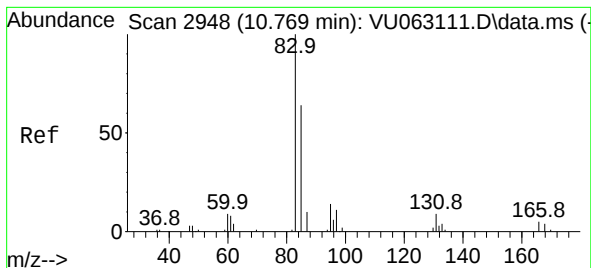
Tgt Ion:106 Resp: 10817
Ion Ratio Lower Upper
106 100
91 215.3 149.9 278.5



#55
Styrene
Concen: 0.953 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.006 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

Tgt Ion:104 Resp: 17544
Ion Ratio Lower Upper
104 100
78 42.4 31.1 57.9





#57

1,1,2,2-Tetrachloroethane

Concen: 1.221 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD001075

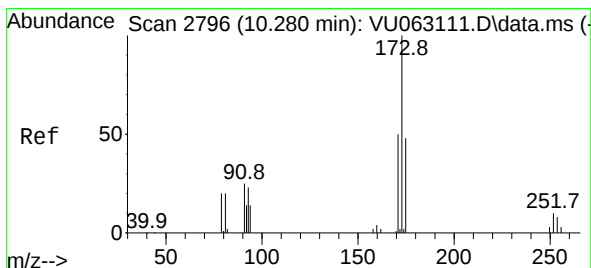
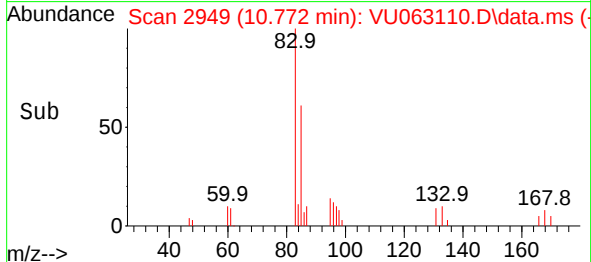
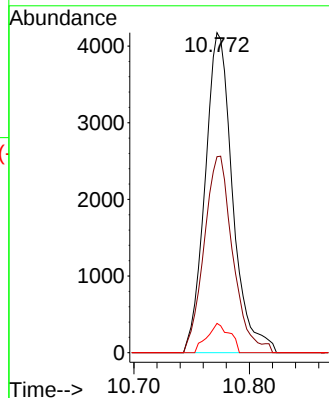
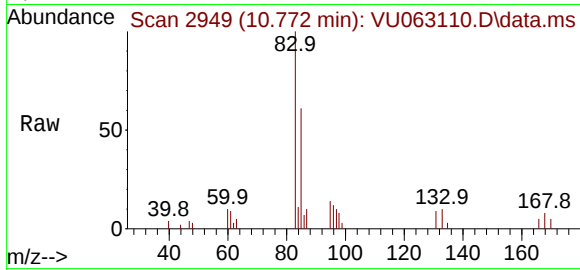
Tgt Ion: 83 Resp: 6907

Ion Ratio Lower Upper

83 100

85 61.2 45.2 84.0

131 9.1 7.4 11.0



#59

Bromoform

Concen: 0.898 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.003 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

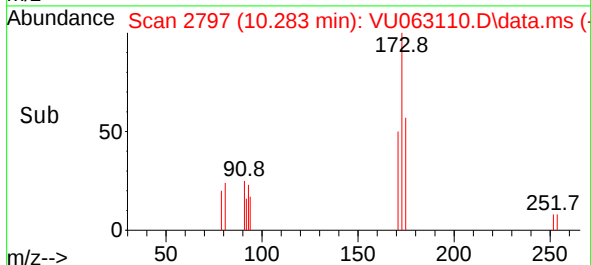
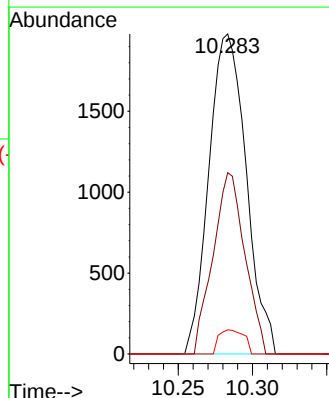
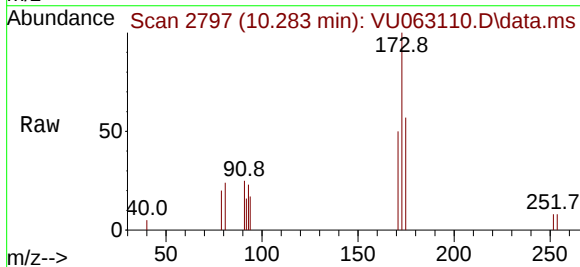
Tgt Ion:173 Resp: 3451

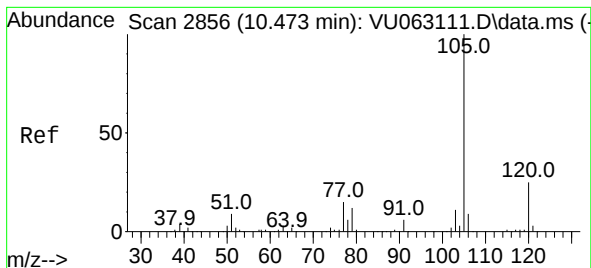
Ion Ratio Lower Upper

173 100

175 48.4 38.6 58.0

254 5.1 6.5 9.7#





#60

Isopropylbenzene

Concen: 1.069 ug/L

RT: 10.476 min Scan# 2856

Delta R.T. 0.003 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD001075

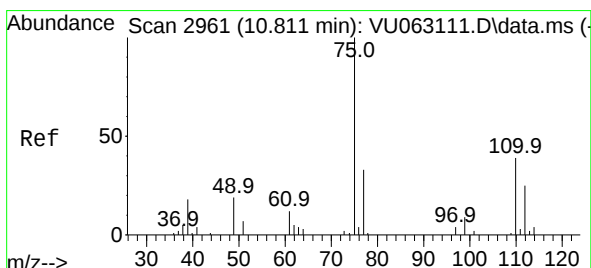
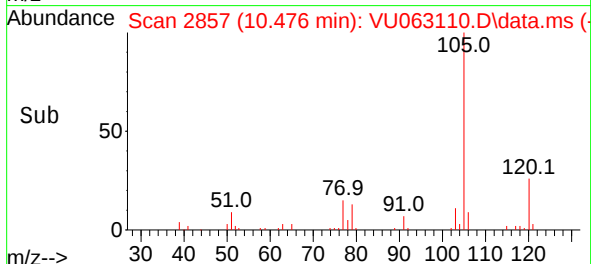
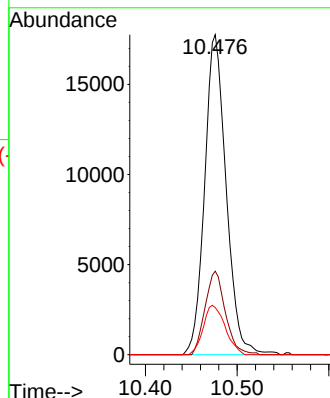
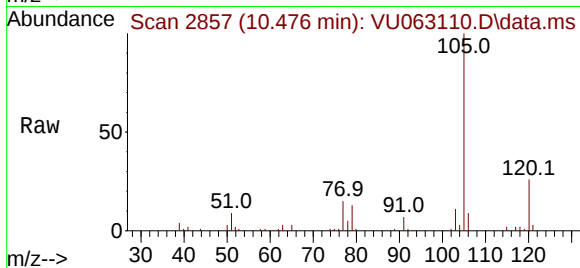
Tgt Ion:105 Resp: 28930

Ion Ratio Lower Upper

105 100

120 24.6 20.5 30.7

77 15.7 12.4 18.6



#61

1,2,3-Trichloropropane

Concen: 1.283 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.003 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

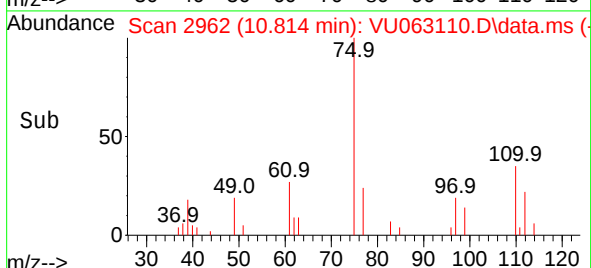
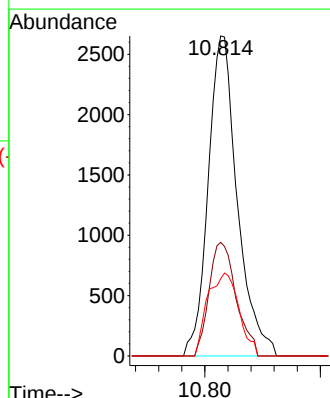
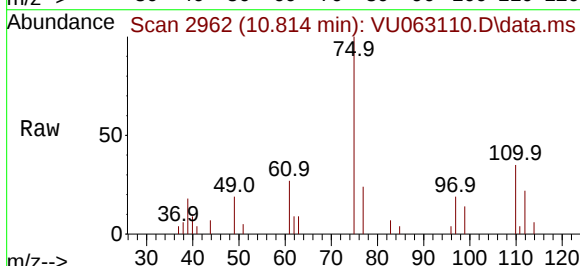
Tgt Ion: 75 Resp: 4635

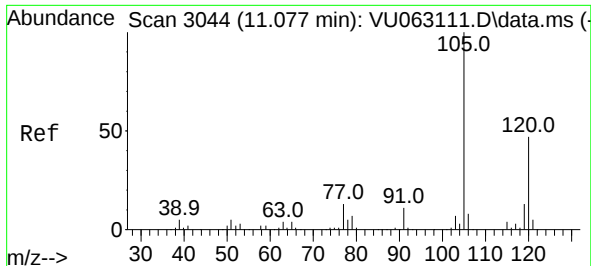
Ion Ratio Lower Upper

75 100

110 33.1 30.0 45.0

77 27.7 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 0.925 ug/L

RT: 11.081 min Scan# 3044

Delta R.T. 0.003 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

Instrument :

MSVOA_U

ClientSampleId :

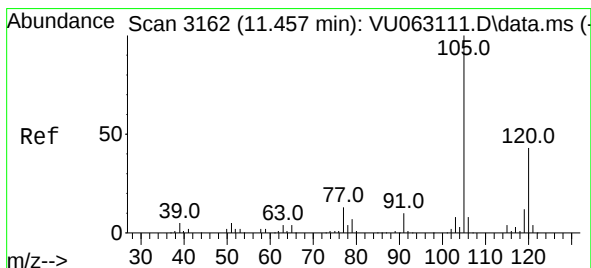
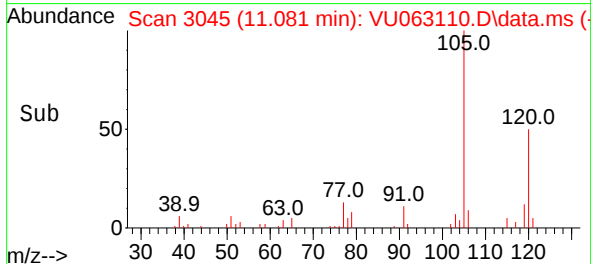
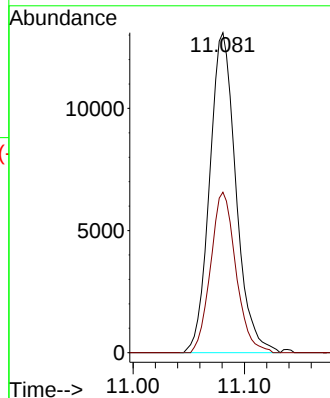
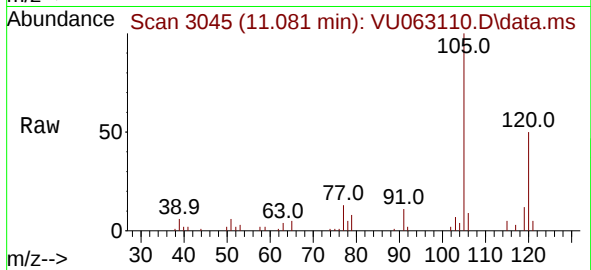
VSTD001075

Tgt Ion:105 Resp: 21491

Ion Ratio Lower Upper

105 100

120 48.2 37.3 55.9



#63

1,2,4-Trimethylbenzene

Concen: 0.868 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VU063110.D

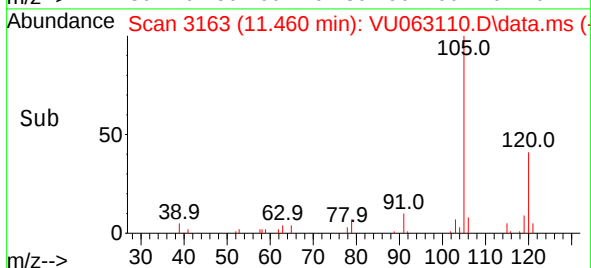
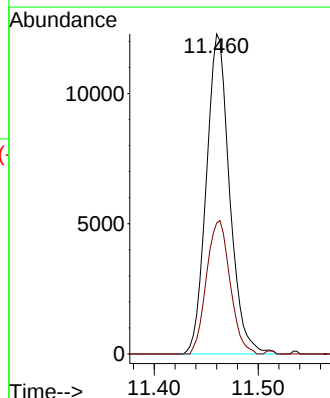
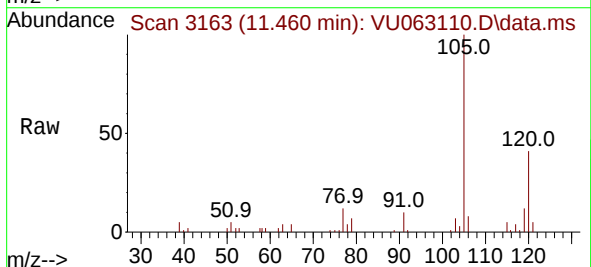
Acq: 03 Feb 2025 10:25

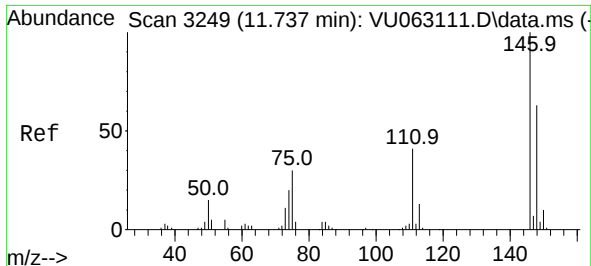
Tgt Ion:105 Resp: 19052

Ion Ratio Lower Upper

105 100

120 42.3 34.8 52.2

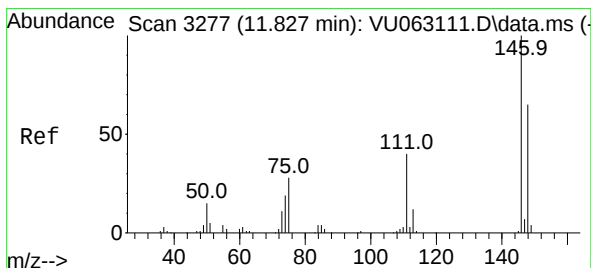
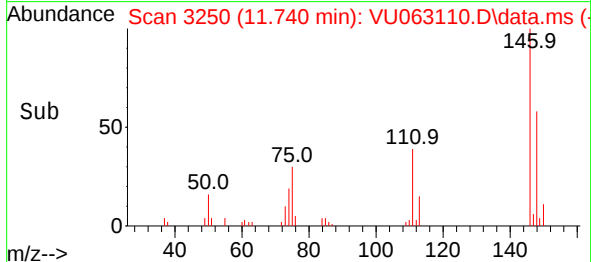
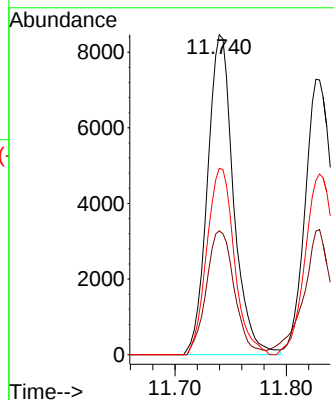
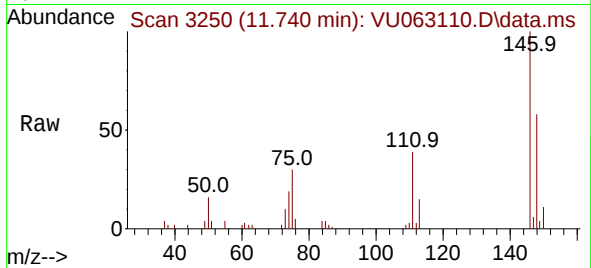




#64
1,3-Dichlorobenzene
Concen: 1.031 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.003 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

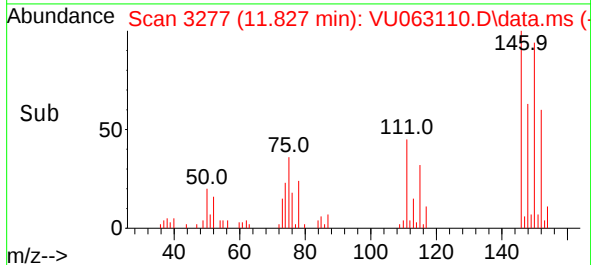
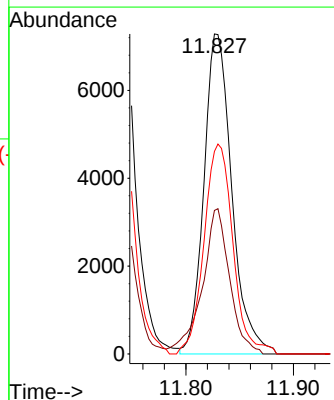
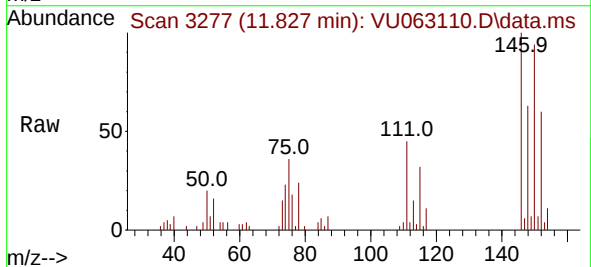
Instrument :
MSVOA_U
ClientSampleId :
VSTD001075

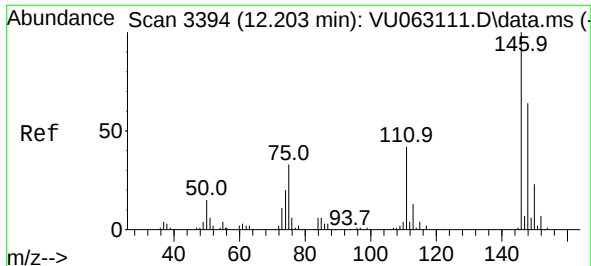
Tgt Ion:146 Resp: 13764
Ion Ratio Lower Upper
146 100
111 38.7 28.6 53.0
148 58.3 44.2 82.0



#65
1,4-Dichlorobenzene
Concen: 0.986 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. 0.000 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

Tgt Ion:146 Resp: 13154
Ion Ratio Lower Upper
146 100
111 44.9 28.1 52.1
148 63.3 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 1.026 ug/L

RT: 12.206 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD001075

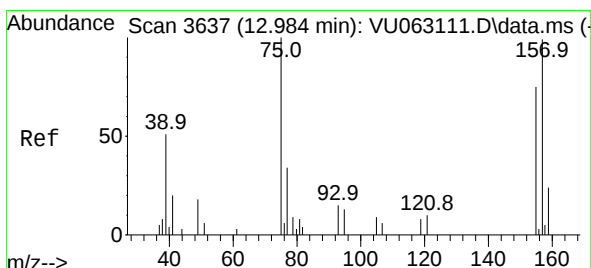
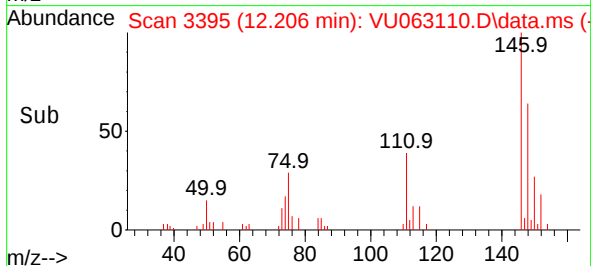
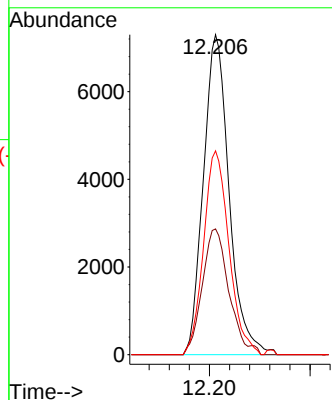
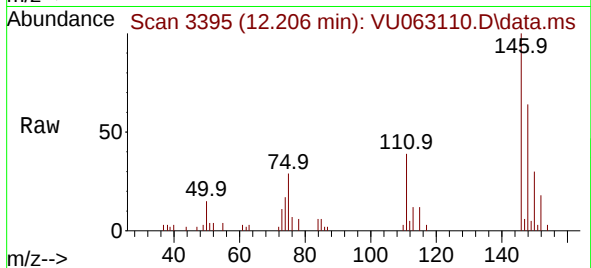
Tgt Ion:146 Resp: 12934

Ion Ratio Lower Upper

146 100

111 39.3 33.8 50.8

148 63.7 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 0.883 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.003 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

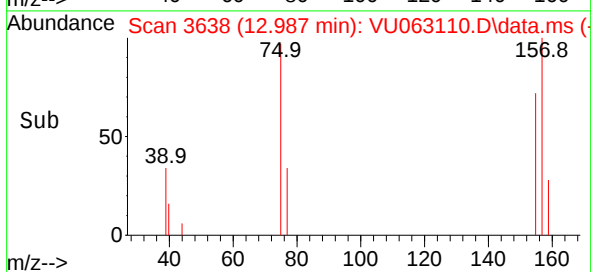
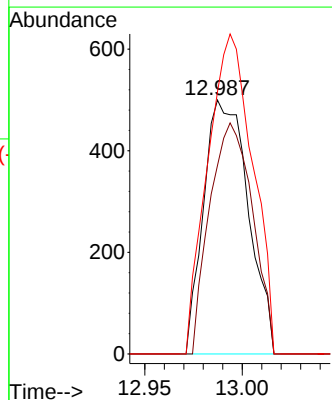
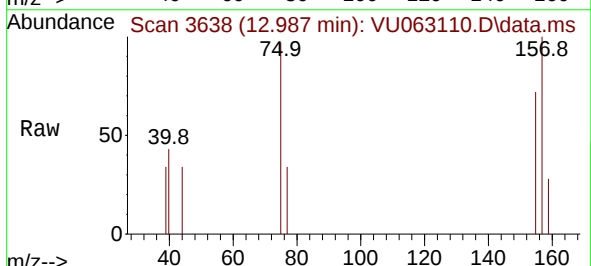
Tgt Ion: 75 Resp: 795

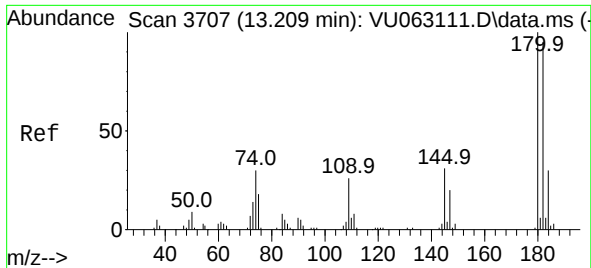
Ion Ratio Lower Upper

75 100

155 74.2 59.9 89.9

157 103.2 79.2 118.8





#69

1,3,5-Trichlorobenzene

Concen: 0.851 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.006 min

Lab File: VU063110.D

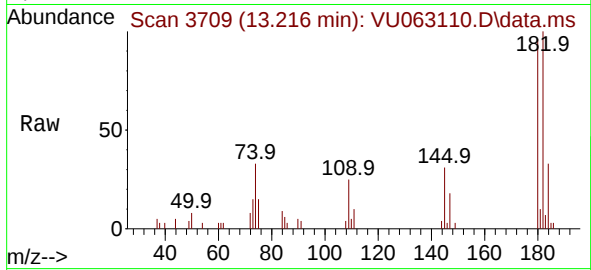
Acq: 03 Feb 2025 10:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD001075



Tgt Ion:180 Resp: 8792

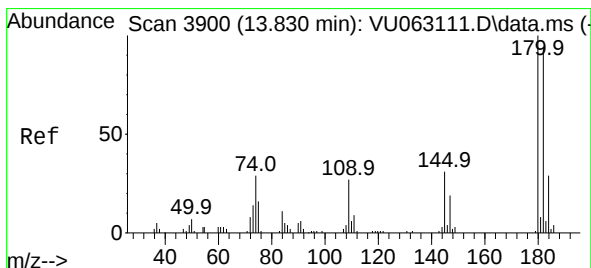
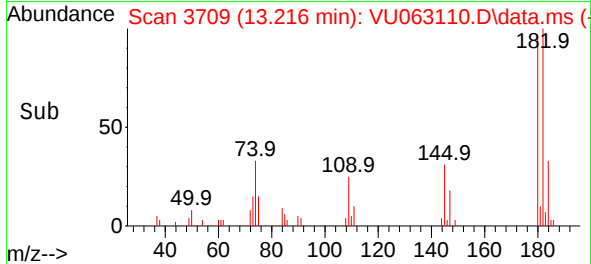
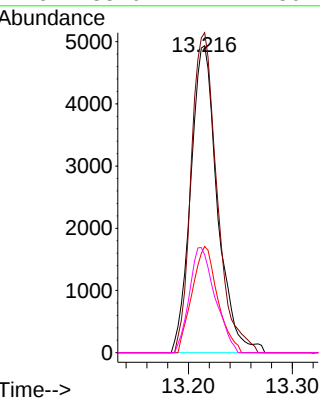
Ion Ratio Lower Upper

180 100

182 100.7 77.8 116.8

184 33.1 24.6 37.0

145 33.0 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 0.780 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.006 min

Lab File: VU063110.D

Acq: 03 Feb 2025 10:25

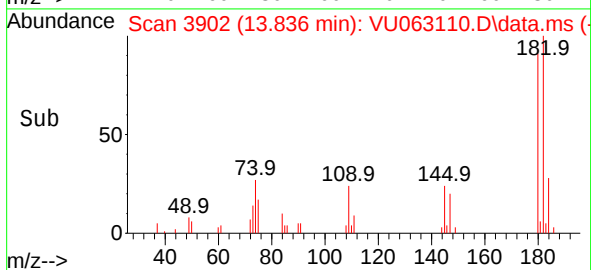
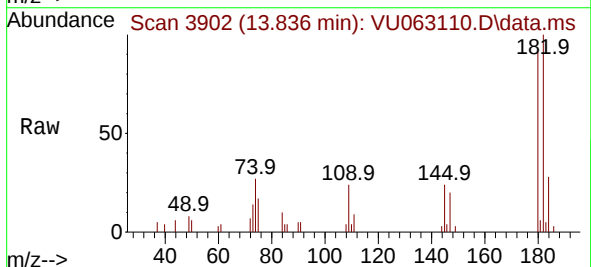
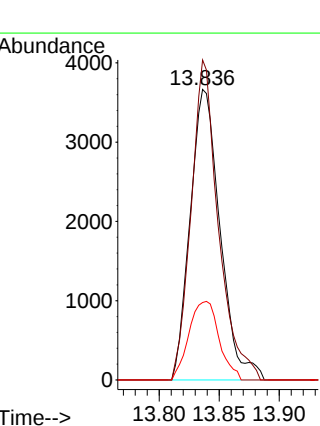
Tgt Ion:180 Resp: 6359

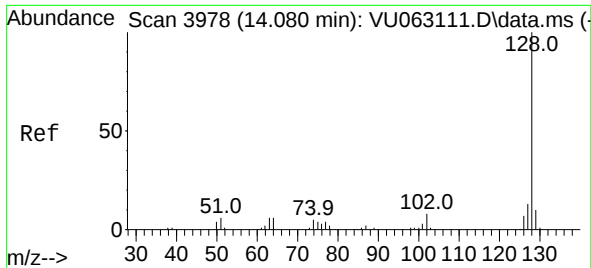
Ion Ratio Lower Upper

180 100

182 100.3 74.4 111.6

145 27.3 25.1 37.7

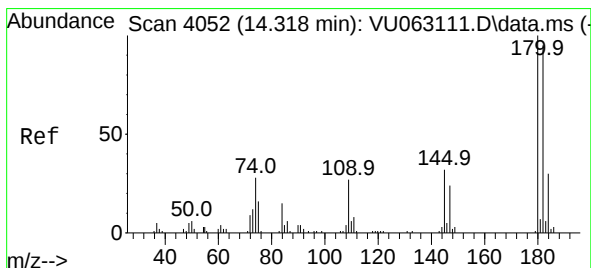
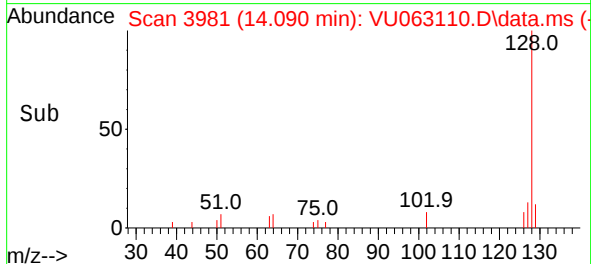
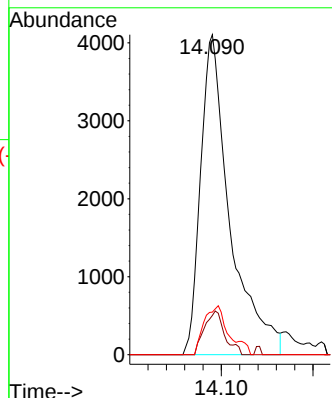
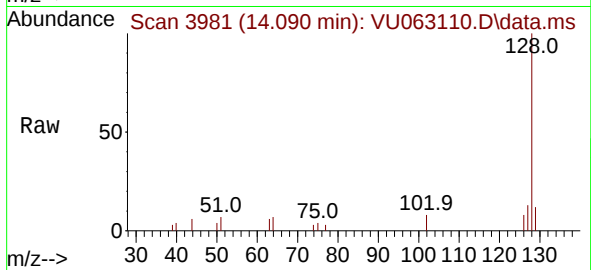




#71
Naphthalene
Concen: 0.835 ug/L
RT: 14.090 min Scan# 3981
Delta R.T. 0.010 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD001075

Tgt Ion:128	Resp:	9108
Ion Ratio	Lower	Upper
128	100	
129	9.4	8.2 12.2
127	12.8	10.5 15.7



#72
1,2,3-Trichlorobenzene
Concen: 0.816 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.006 min
Lab File: VU063110.D
Acq: 03 Feb 2025 10:25

Tgt Ion:180	Resp:	5768
Ion Ratio	Lower	Upper
180	100	
182	90.1	77.0 115.6
145	29.6	25.6 38.4

