

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020425\
 Data File : VU063118.D
 Acq On : 04 Feb 2025 13:44
 Operator : MD/SY
 Sample : VSTD005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005002

Quant Time: Feb 05 07:29:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020425WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 05 07:27:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	93268	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	87199	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	42950	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	25773	4.166	ug/L	0.00
7) Chloroethane-d5	1.898	69	24122	4.626	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	65	11612	4.289	ug/L	0.00
20) 2-Butanone-d5	4.605	46	88889	58.961	ug/L	0.00
24) Chloroform-d	5.049	84	59624	4.705	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.689	65	30126	5.048	ug/L	0.00
32) Benzene-d6	5.714	84	113402	4.616	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	37264	4.587	ug/L	0.00
41) Toluene-d8	7.888	98	102005	4.627	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	14446	4.769	ug/L	0.00
46) 2-Hexanone-d5	8.621	63	73045	54.740	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	33476	4.988	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.184	152	33723	4.469	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	37662	6.033	ug/L	100
3) Chloromethane	1.515	50	42443	5.649	ug/L	100
5) Vinyl chloride	1.599	62	42591	5.439	ug/L	100
6) Bromomethane	1.840	94	22017	5.222	ug/L	100
8) Chloroethane	1.920	64	25797	5.544	ug/L	100
9) Trichlorofluoromethane	2.126	101	48270	4.761	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	28910	4.486	ug/L	100
12) 1,1-Dichloroethene	2.567	96	28643	4.804	ug/L	100
13) Acetone	2.612	43	53599	58.981	ug/L	100
14) Carbon disulfide	2.779	76	99476	5.513	ug/L	100
15) Methyl Acetate	2.940	43	15483	6.451	ug/L	100
16) Methylene chloride	3.030	84	34645	5.016	ug/L	100
17) Methyl tert-butyl Ether	3.348	73	82777	5.228	ug/L	100
18) trans-1,2-Dichloroethene	3.342	96	31188	5.140	ug/L	100
19) 1,1-Dichloroethane	3.853	63	62330	5.091	ug/L	100
21) 2-Butanone	4.686	43	94897	63.559	ug/L	100
22) cis-1,2-Dichloroethene	4.653	96	35872	4.916	ug/L	100
23) Bromochloromethane	4.959	128	16158	5.238	ug/L	100
25) Chloroform	5.075	83	62459	4.947	ug/L	100
27) 1,2-Dichloroethane	5.782	62	41562	5.493	ug/L	100
29) 1,1,1-Trichloroethane	5.303	97	49807	4.886	ug/L	100
30) Cyclohexane	5.374	56	51807	5.365	ug/L	100
31) Carbon tetrachloride	5.512	117	42011	4.826	ug/L	100
33) Benzene	5.763	78	139777	5.076	ug/L	100
34) Trichloroethene	6.531	95	34778	4.805	ug/L	100
35) Methylcyclohexane	6.753	83	51626	4.985	ug/L	100
37) 1,2-Dichloropropane	6.779	63	38261	5.214	ug/L	100
38) Bromodichloromethane	7.094	83	45453	5.031	ug/L	100
39) cis-1,3-Dichloropropene	7.599	75	53601	5.026	ug/L	100
40) 4-Methyl-2-pentanone	7.779	43	230347	60.238	ug/L	100
42) Toluene	7.959	91	146673	5.050	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	45670	5.179	ug/L	100

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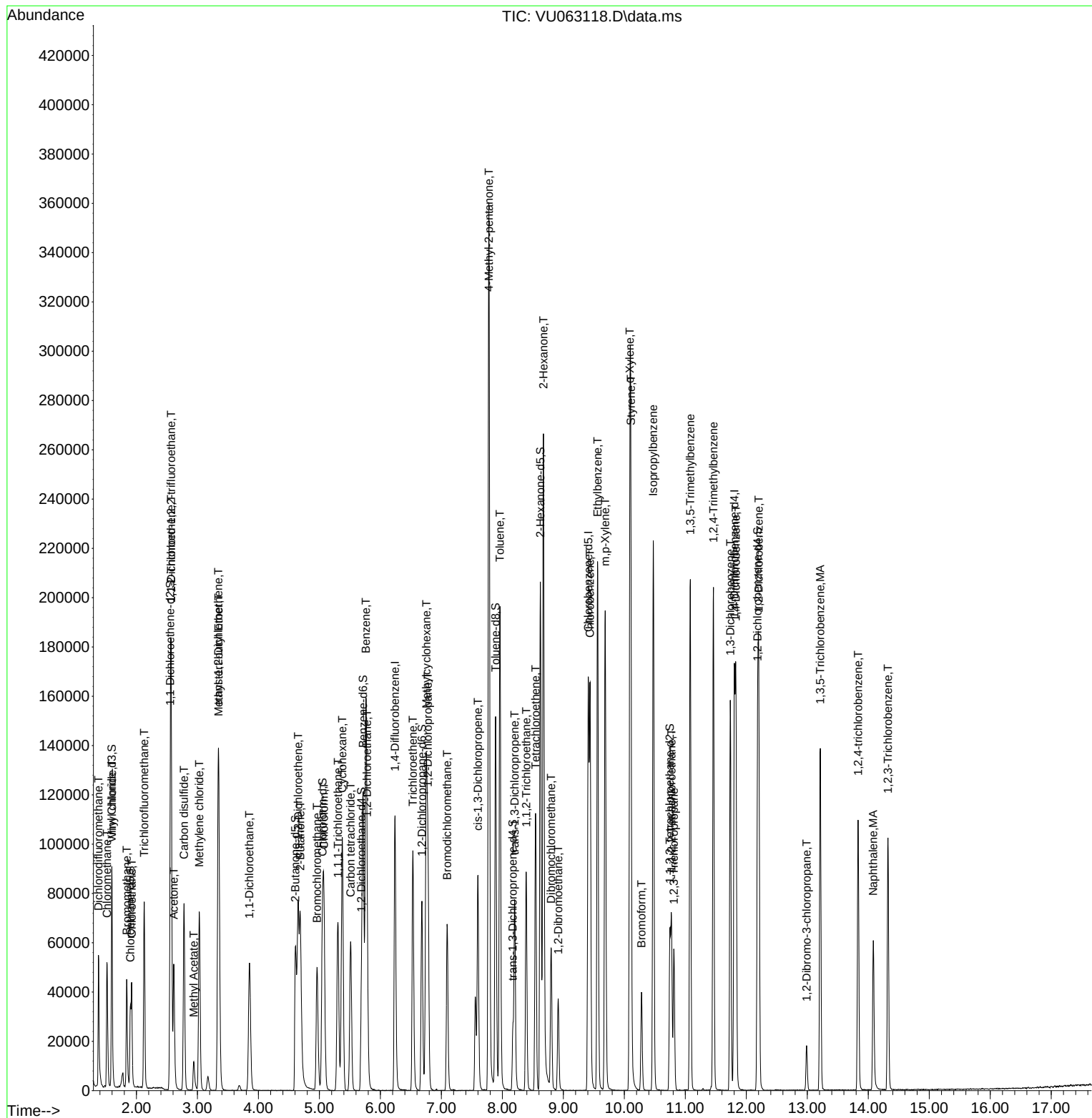
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.390	97	28562	5.196	ug/L	100
47) Tetrachloroethene	8.544	164	24679	4.961	ug/L	100
48) 2-Hexanone	8.673	43	166295	62.271	ug/L	100
49) Dibromochloromethane	8.798	129	29775	5.017	ug/L	100
50) 1,2-Dibromoethane	8.914	107	25918	5.148	ug/L	100
51) Chlorobenzene	9.438	112	86116	4.882	ug/L	100
52) Ethylbenzene	9.560	91	151365	4.927	ug/L	100
53) m,p-Xylene	9.685	106	55467	4.896	ug/L	100
54) o-Xylene	10.090	106	55092	4.981	ug/L	100
55) Styrene	10.107	104	93260	5.027	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.772	83	36426	5.233	ug/L	100
59) Bromoform	10.280	173	18072	4.971	ug/L	100
60) Isopropylbenzene	10.473	105	143844	4.720	ug/L	100
61) 1,2,3-Trichloropropane	10.811	75	24552	5.208	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	114621	4.785	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	113221	5.001	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	64611	4.695	ug/L	100
65) 1,4-Dichlorobenzene	11.827	146	64633	4.637	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	60677	4.619	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.987	75	5009	6.460	ug/L	100
69) 1,3,5-Trichlorobenzene	13.213	180	43870	4.802	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	34375	5.360	ug/L	100
71) Naphthalene	14.081	128	54450	5.690	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	31149	5.426	ug/L	100

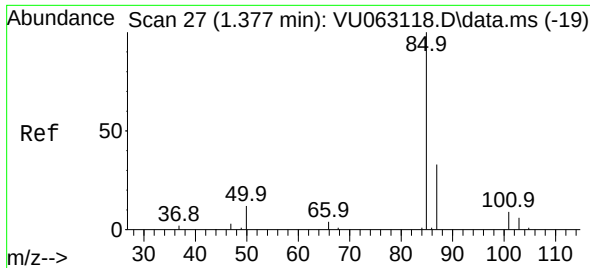
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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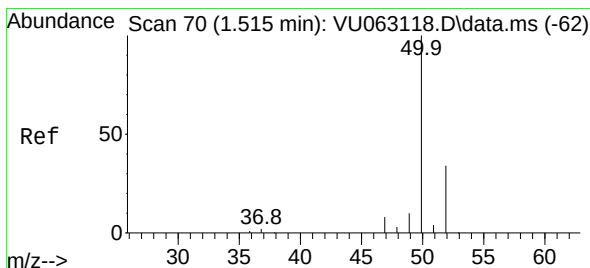
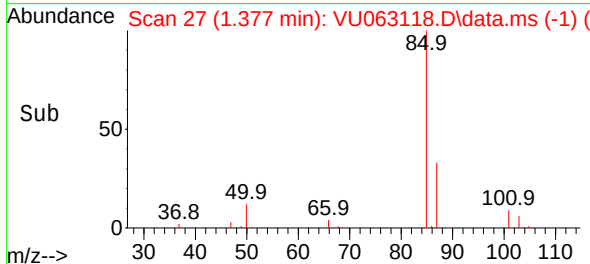
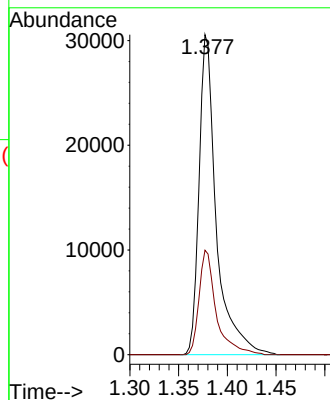
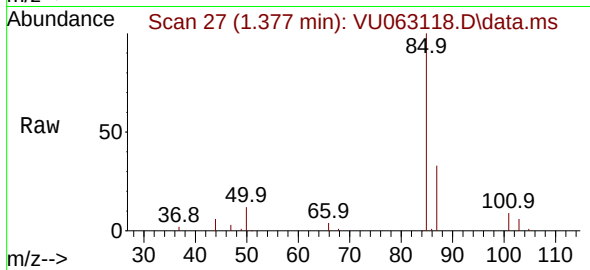




#2
 Dichlorodifluoromethane
 Concen: 6.033 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU063118.D
 Acq: 04 Feb 2025 13:44

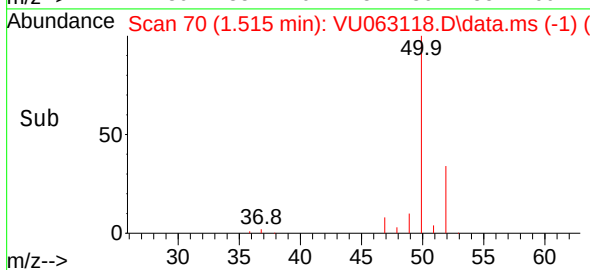
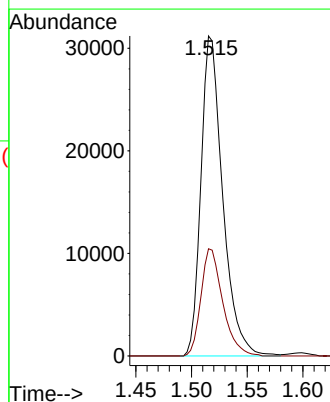
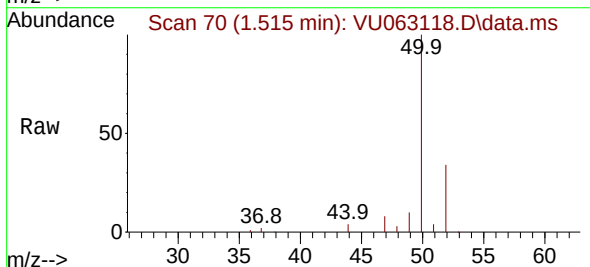
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005002

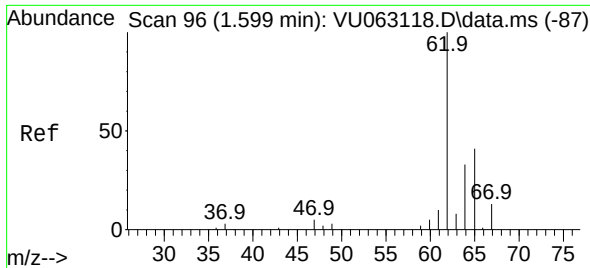
Tgt Ion: 85 Resp: 37662
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.9 38.9



#3
 Chloromethane
 Concen: 5.649 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU063118.D
 Acq: 04 Feb 2025 13:44

Tgt Ion: 50 Resp: 42443
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.4 43.6

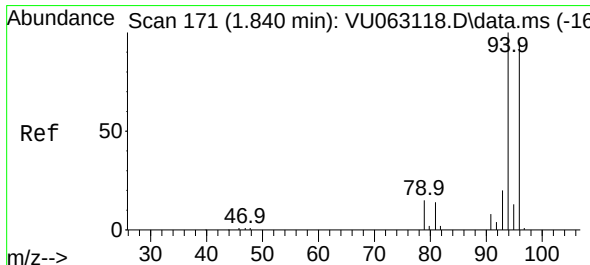
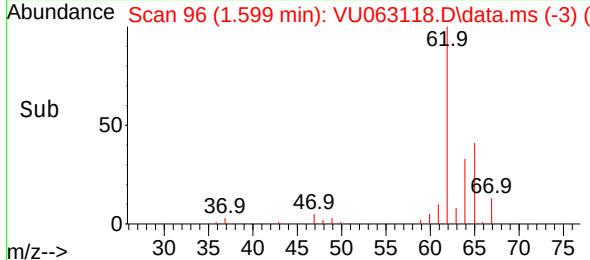
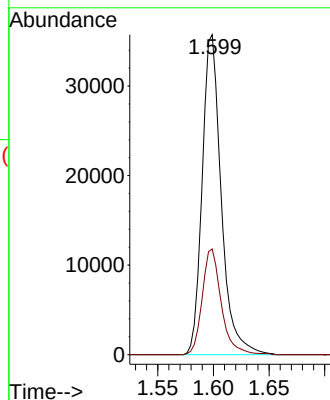
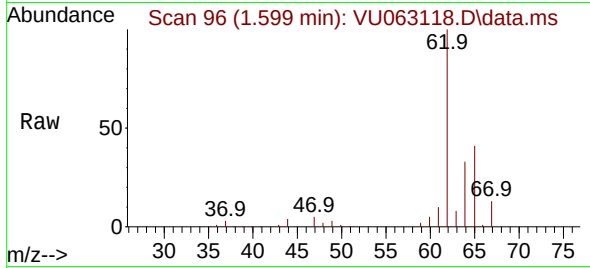




#5
 Vinyl chloride
 Concen: 5.439 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU063118.D
 Acq: 04 Feb 2025 13:44

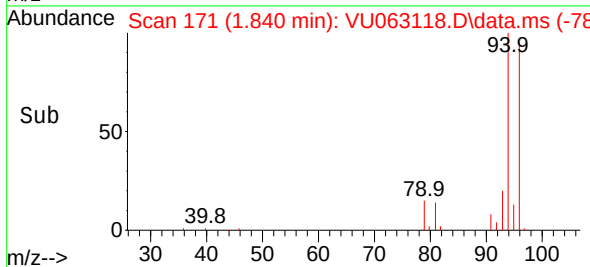
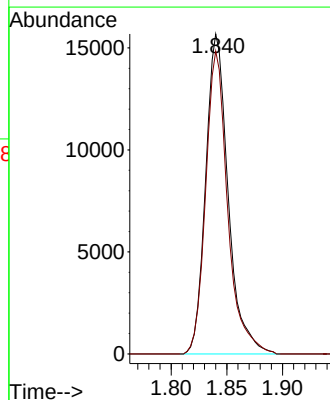
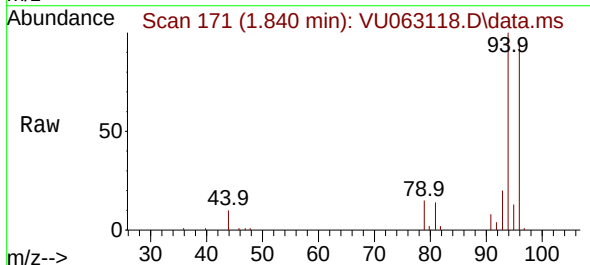
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 ClientSampleId :
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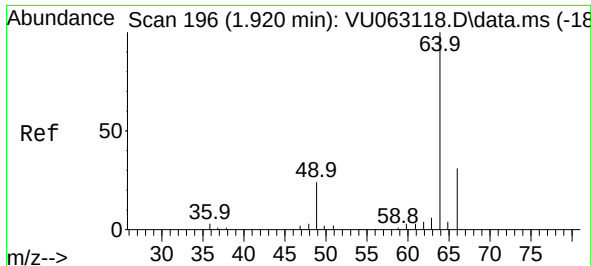
Tgt Ion: 62 Resp: 42591
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.2 43.0



#6
 Bromomethane
 Concen: 5.222 ug/L
 RT: 1.840 min Scan# 171
 Delta R.T. 0.000 min
 Lab File: VU063118.D
 Acq: 04 Feb 2025 13:44

Tgt Ion: 94 Resp: 22017
 Ion Ratio Lower Upper
 94 100
 96 94.7 66.3 123.1

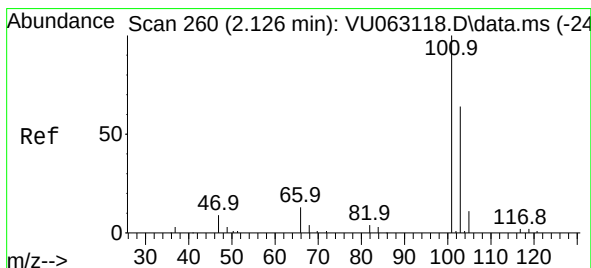
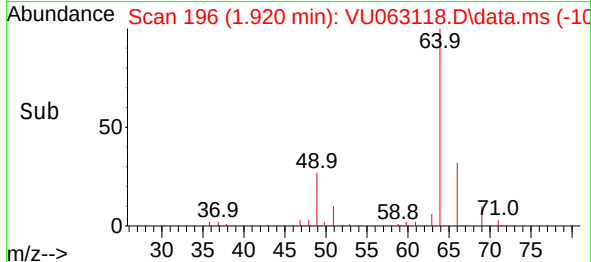
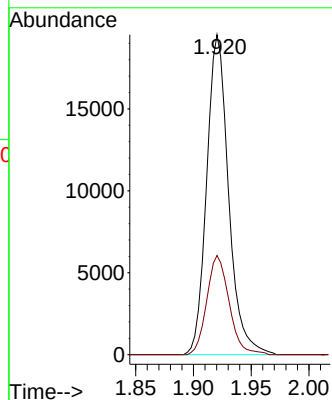
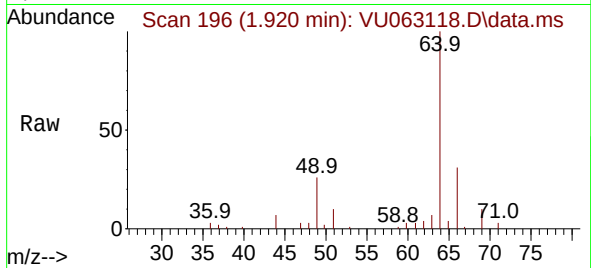




#8
Chloroethane
Concen: 5.544 ug/L
RT: 1.920 min Scan# 196
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

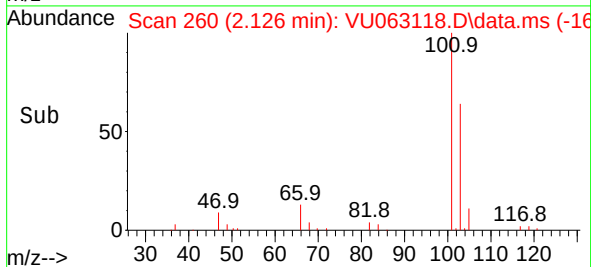
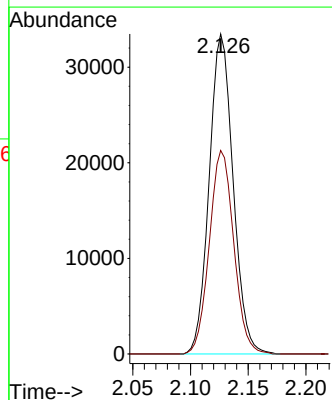
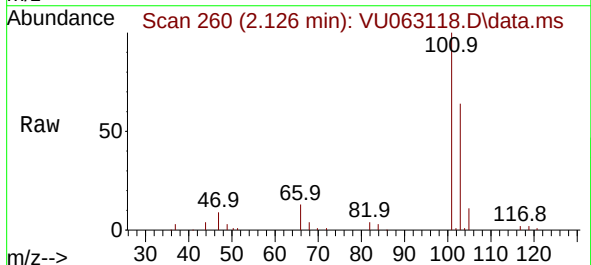
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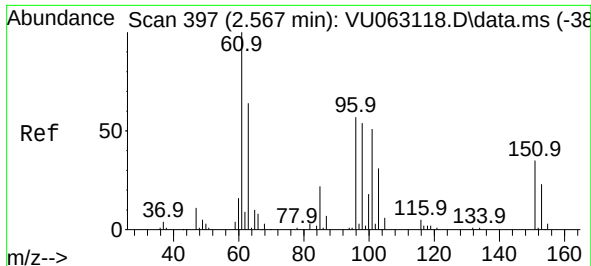
Tgt Ion: 64 Resp: 25797
Ion Ratio Lower Upper
64 100
66 31.0 21.7 40.3



#9
Trichlorofluoromethane
Concen: 4.761 ug/L
RT: 2.126 min Scan# 260
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

Tgt Ion:101 Resp: 48270
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8

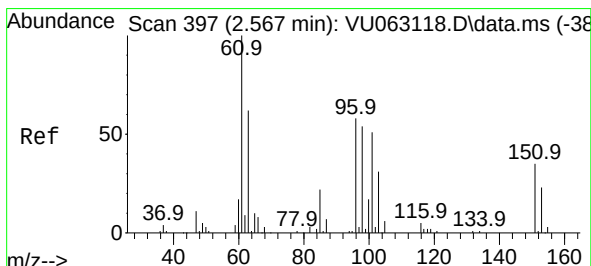
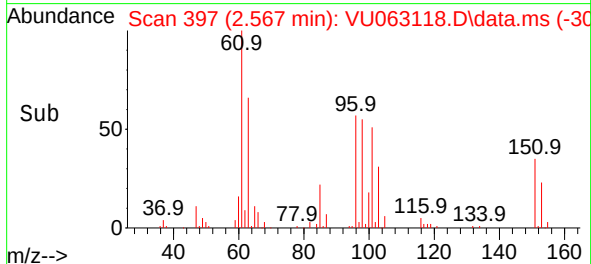
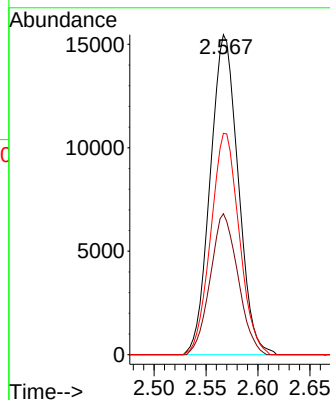
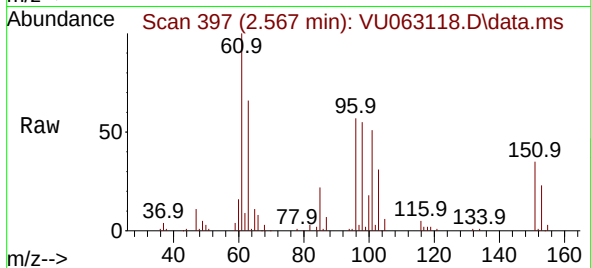




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.486 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: VU063118.D
 Acq: 04 Feb 2025 13:44

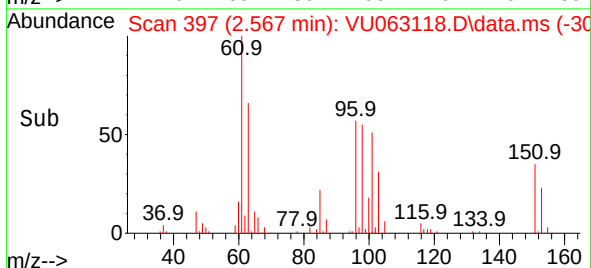
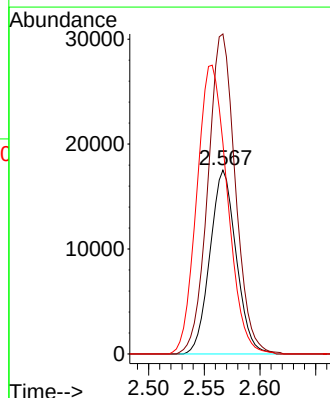
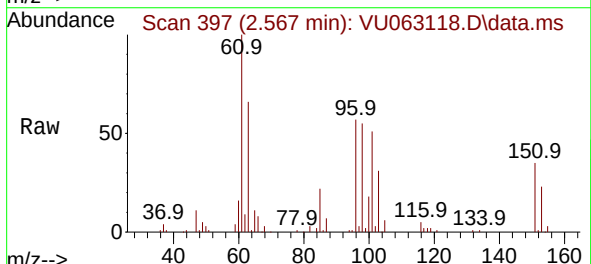
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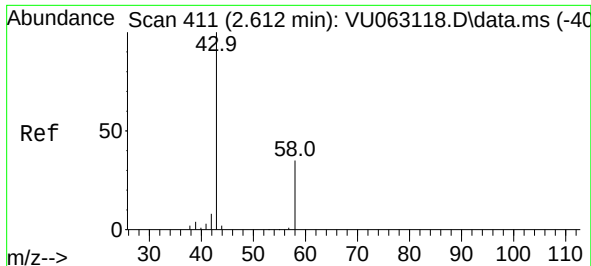
Tgt Ion: 101 Resp: 28910
 Ion Ratio Lower Upper
 101 100
 85 43.7 35.0 52.4
 151 70.4 56.3 84.5



#12
 1,1-Dichloroethene
 Concen: 4.804 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: VU063118.D
 Acq: 04 Feb 2025 13:44

Tgt Ion: 96 Resp: 28643
 Ion Ratio Lower Upper
 96 100
 61 174.1 121.9 226.3
 63 114.7 80.3 149.1





#13

Acetone

Concen: 58.981 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU063118.D

Acq: 04 Feb 2025 13:44

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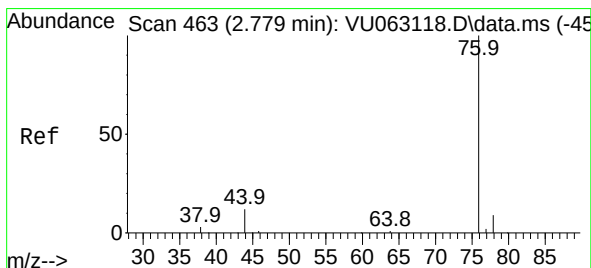
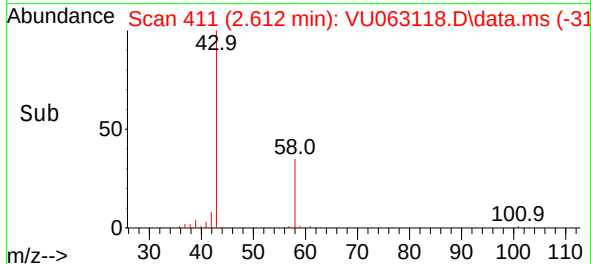
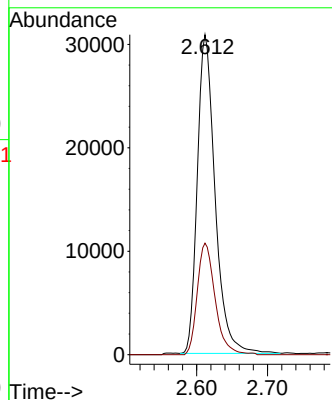
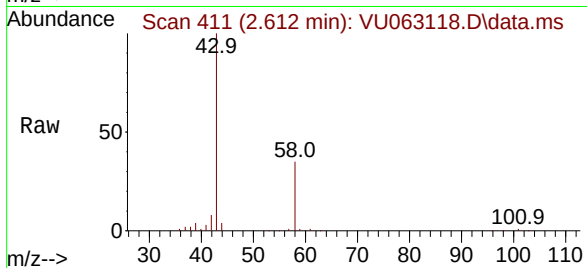
VSTD005002

Tgt Ion: 43 Resp: 53599

Ion Ratio Lower Upper

43 100

58 35.1 0.0 70.2



#14

Carbon disulfide

Concen: 5.513 ug/L

RT: 2.779 min Scan# 463

Delta R.T. 0.000 min

Lab File: VU063118.D

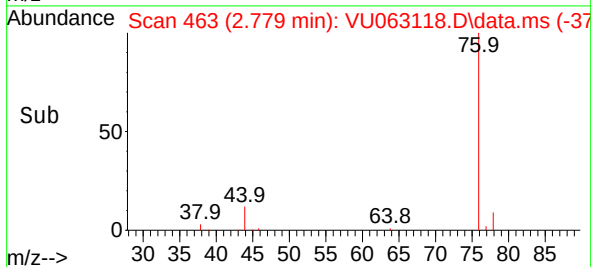
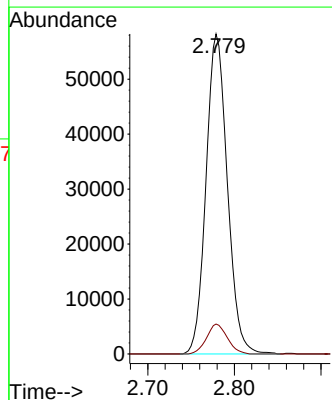
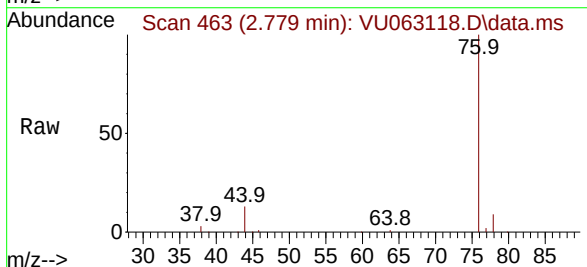
Acq: 04 Feb 2025 13:44

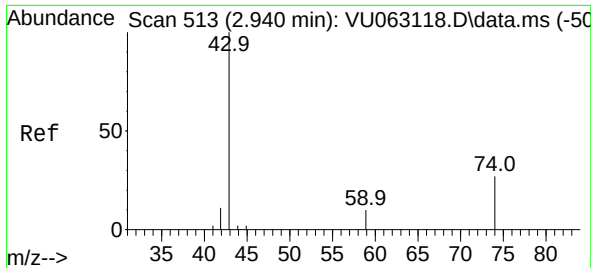
Tgt Ion: 76 Resp: 99476

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

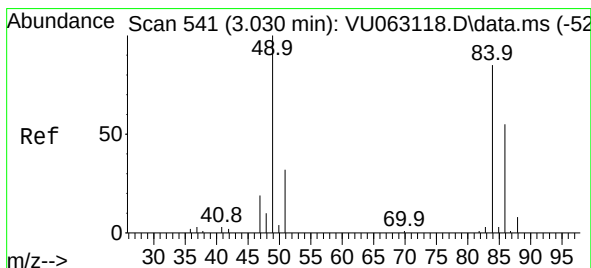
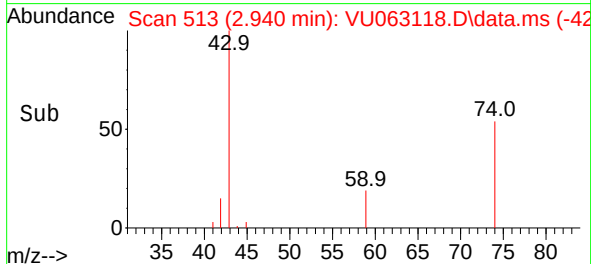
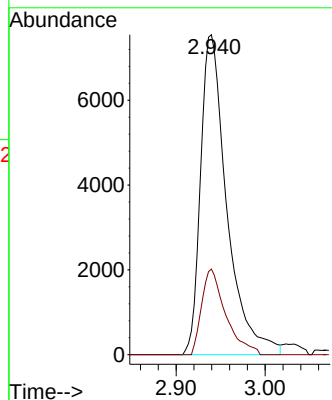
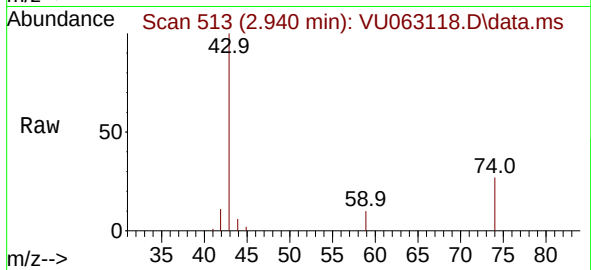




#15
Methyl Acetate
Concen: 6.451 ug/L
RT: 2.940 min Scan# 513
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

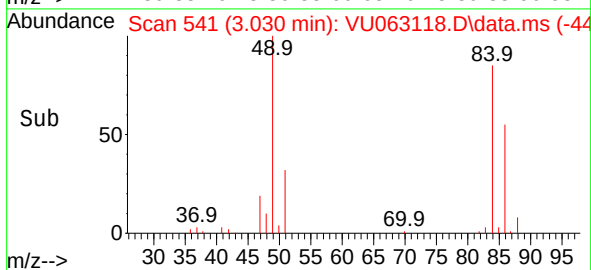
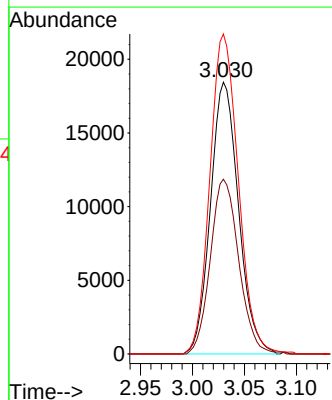
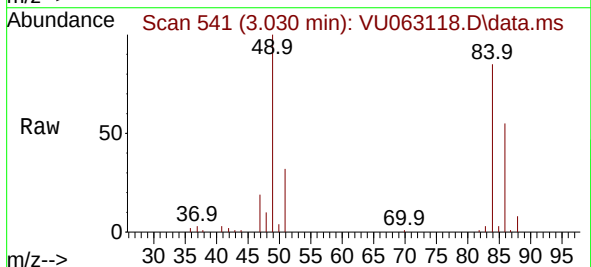
Instrument :
MSVOA_U
ClientSampleId :
VSTD005002

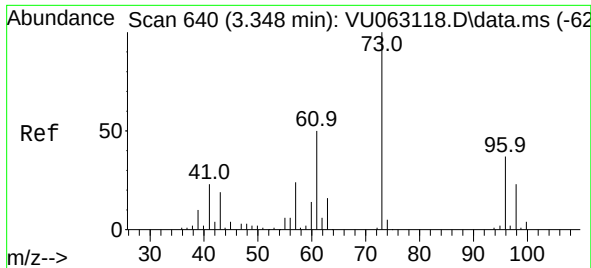
Tgt Ion: 43 Resp: 15483
Ion Ratio Lower Upper
43 100
74 24.4 19.5 29.3



#16
Methylene chloride
Concen: 5.016 ug/L
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

Tgt Ion: 84 Resp: 34645
Ion Ratio Lower Upper
84 100
86 64.3 45.0 83.6
49 117.7 82.4 153.0

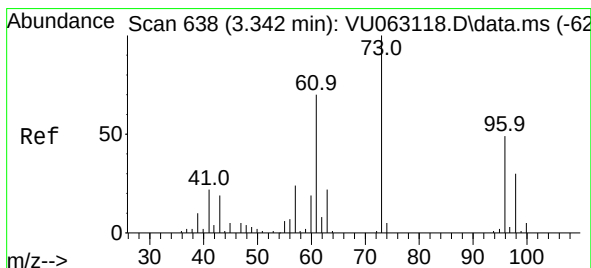
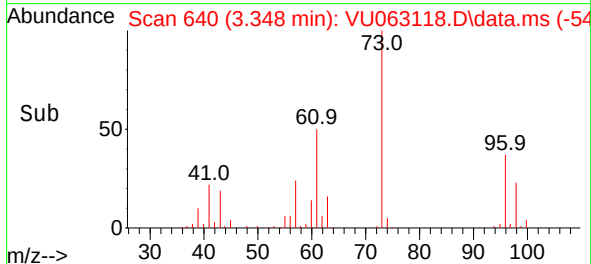
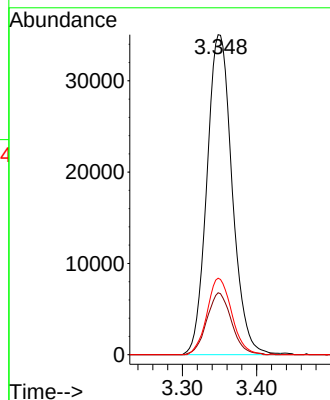
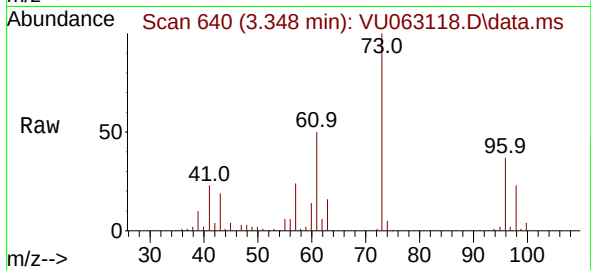




#17
Methyl tert-butyl Ether
Concen: 5.228 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

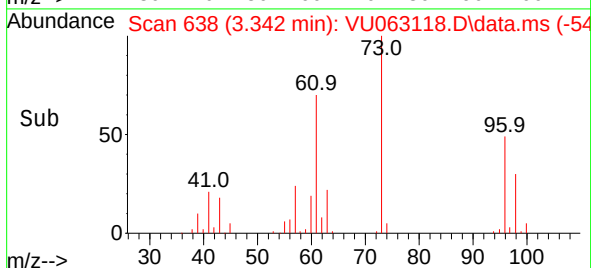
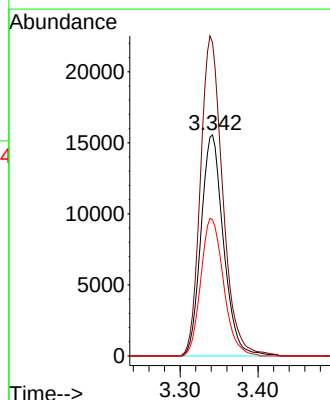
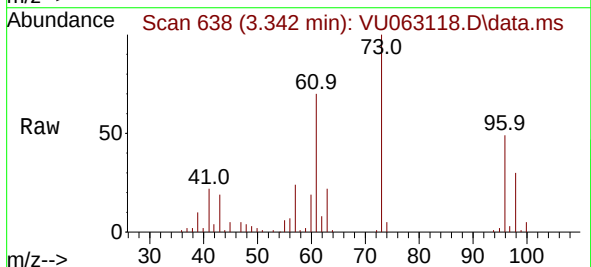
Instrument :
MSVOA_U
ClientSampleId :
VSTD005002

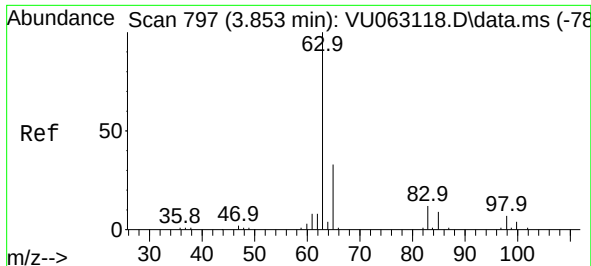
Tgt Ion: 73	Resp: 82777
Ion Ratio	Lower Upper
73 100	
43 18.9	15.1 22.7
57 23.4	18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 5.140 ug/L
RT: 3.342 min Scan# 638
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

Tgt Ion: 96	Resp: 31188
Ion Ratio	Lower Upper
96 100	
61 141.7	99.2 184.2
98 61.7	43.2 80.2

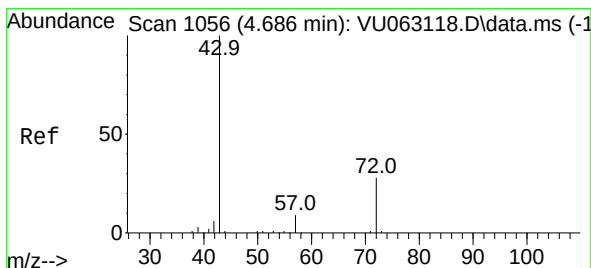
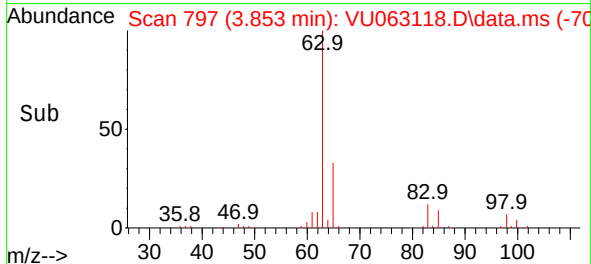
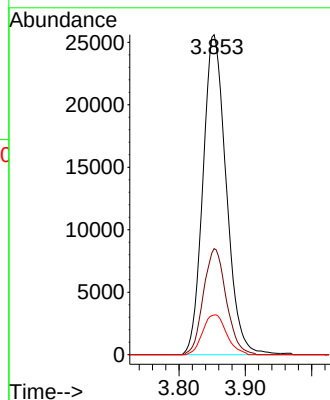
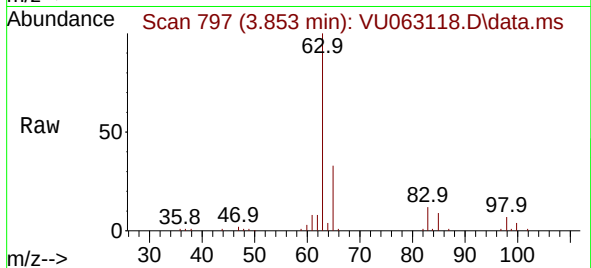




#19
1,1-Dichloroethane
Concen: 5.091 ug/L
RT: 3.853 min Scan# 797
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

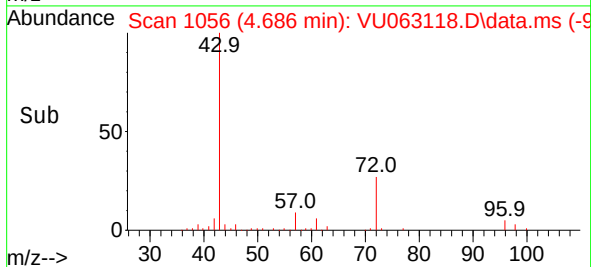
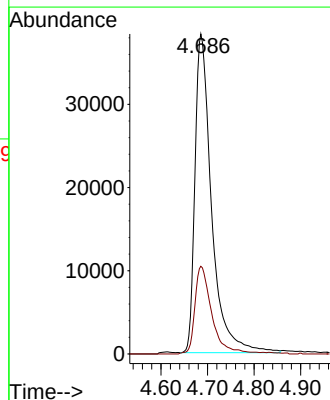
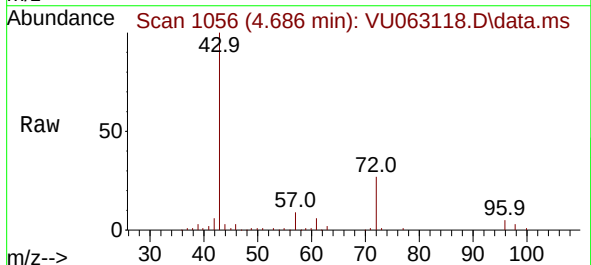
Instrument :
MSVOA_U
ClientSampleId :
VSTD005002

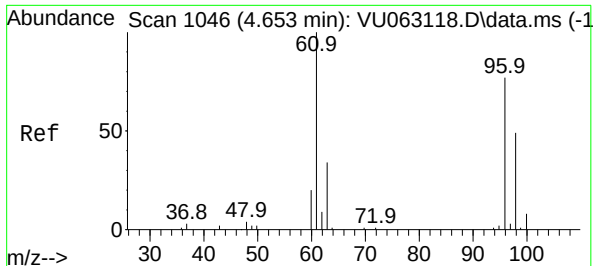
Tgt Ion: 63 Resp: 62330
Ion Ratio Lower Upper
63 100
65 33.1 23.2 43.0
83 12.4 8.7 16.1



#21
2-Butanone
Concen: 63.559 ug/L
RT: 4.686 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

Tgt Ion: 43 Resp: 94897
Ion Ratio Lower Upper
43 100
72 27.8 13.9 41.7





#22

cis-1,2-Dichloroethene

Concen: 4.916 ug/L

RT: 4.653 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU063118.D

Acq: 04 Feb 2025 13:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005002

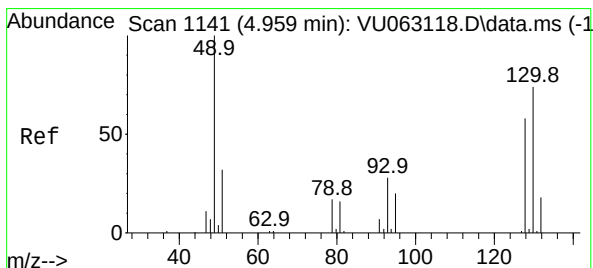
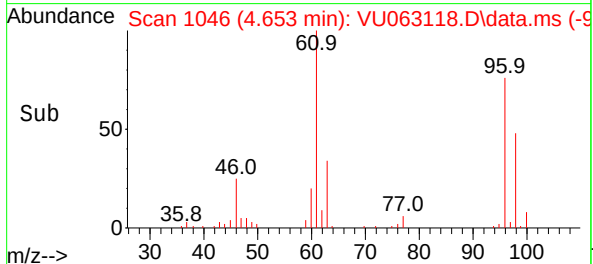
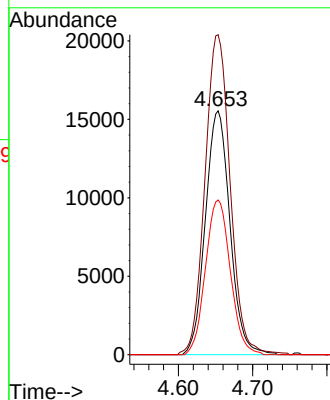
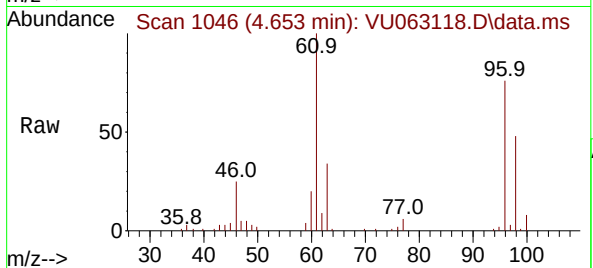
Tgt Ion: 96 Resp: 35872

Ion Ratio Lower Upper

96 100

61 131.2 91.8 170.6

98 63.4 44.4 82.4



#23

Bromochloromethane

Concen: 5.238 ug/L

RT: 4.959 min Scan# 1141

Delta R.T. 0.000 min

Lab File: VU063118.D

Acq: 04 Feb 2025 13:44

Tgt Ion:128 Resp: 16158

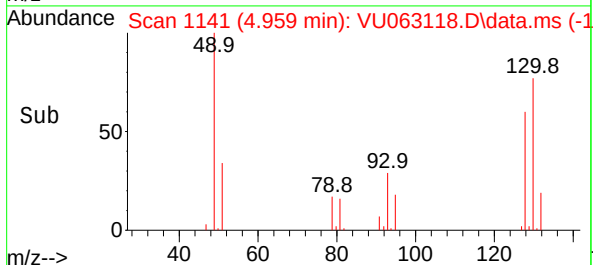
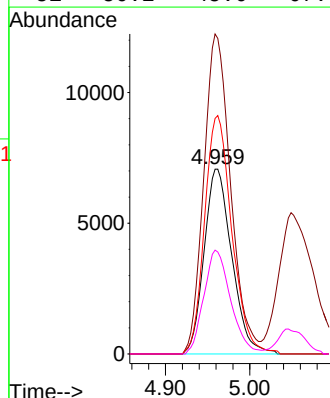
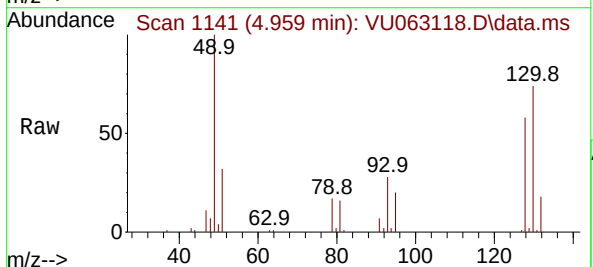
Ion Ratio Lower Upper

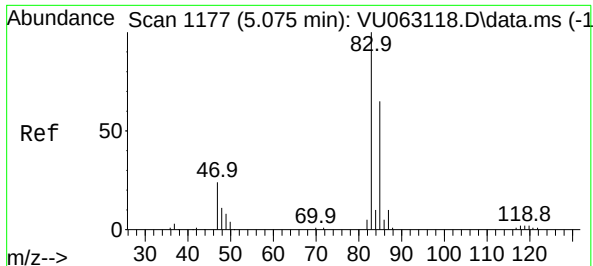
128 100

49 173.2 121.2 225.2

130 127.4 89.2 165.6

51 56.2 45.0 67.4





#25

Chloroform

Concen: 4.947 ug/L

RT: 5.075 min Scan# 1177

Delta R.T. 0.000 min

Lab File: VU063118.D

Acq: 04 Feb 2025 13:44

Instrument :

MSVOA_U

ClientSampleId :

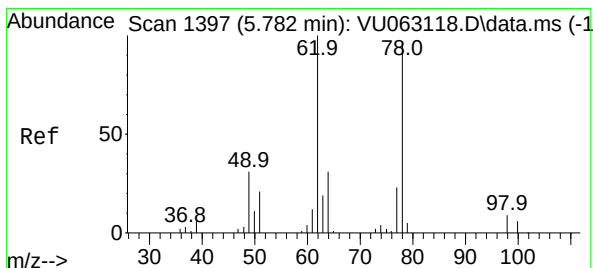
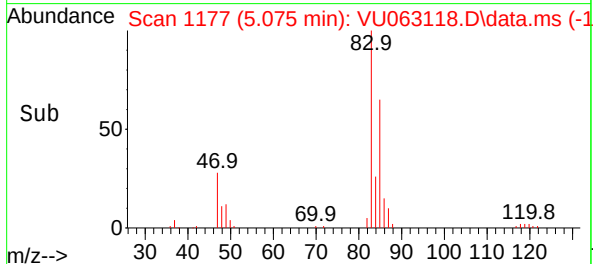
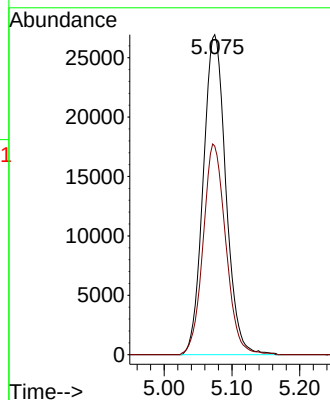
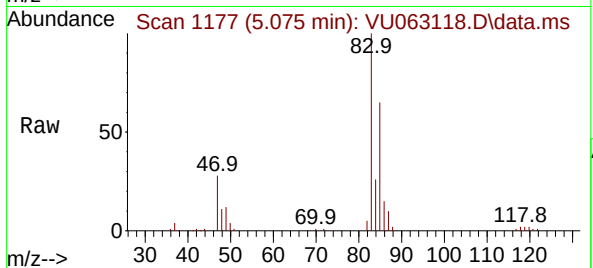
VSTD005002

Tgt Ion: 83 Resp: 62459

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.8



#27

1,2-Dichloroethane

Concen: 5.493 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VU063118.D

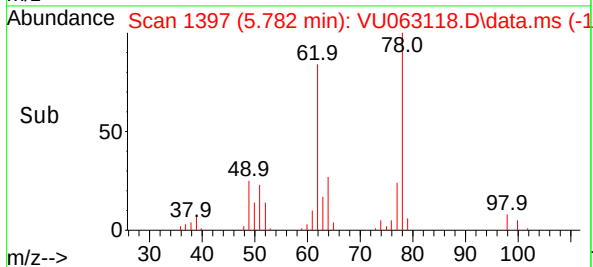
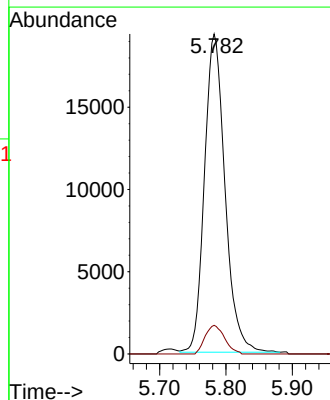
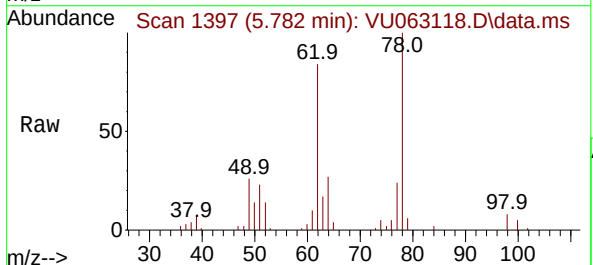
Acq: 04 Feb 2025 13:44

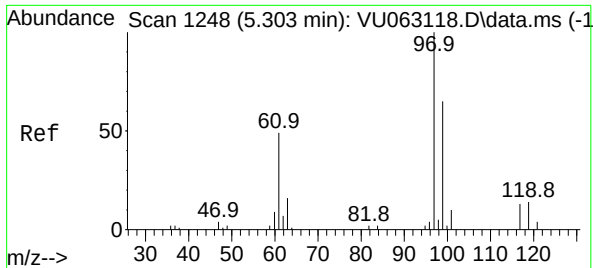
Tgt Ion: 62 Resp: 41562

Ion Ratio Lower Upper

62 100

98 9.0 7.2 10.8

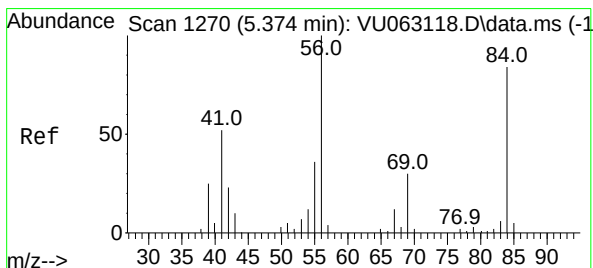
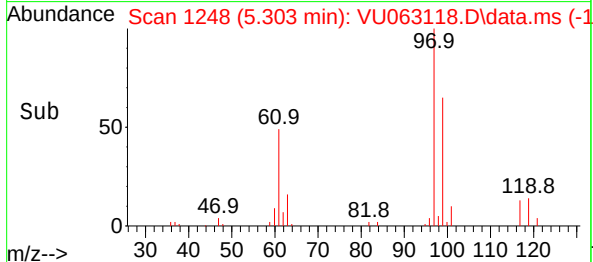
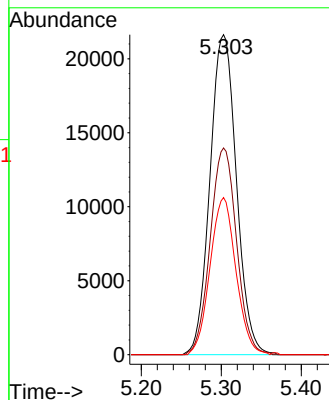
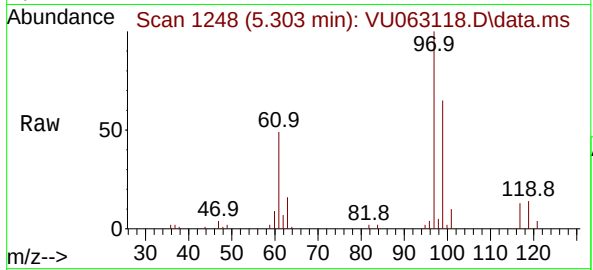




#29
1,1,1-Trichloroethane
Concen: 4.886 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

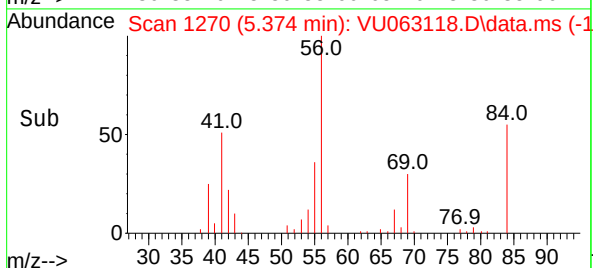
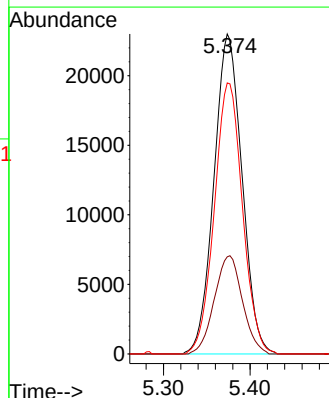
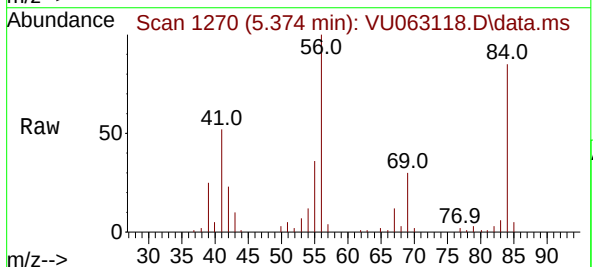
Instrument :
MSVOA_U
ClientSampleId :
VSTD005002

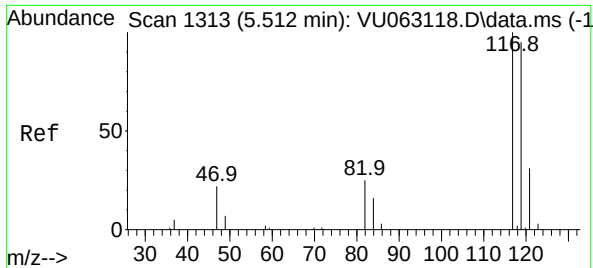
Tgt Ion:	97	Resp:	49807
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	48.1	38.5	57.7



#30
Cyclohexane
Concen: 5.365 ug/L
RT: 5.374 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

Tgt Ion:	56	Resp:	51807
Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.6	37.0
84	84.9	67.9	101.9

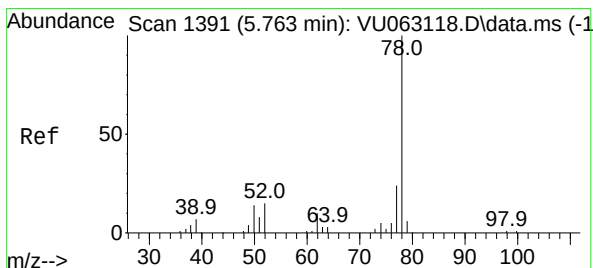
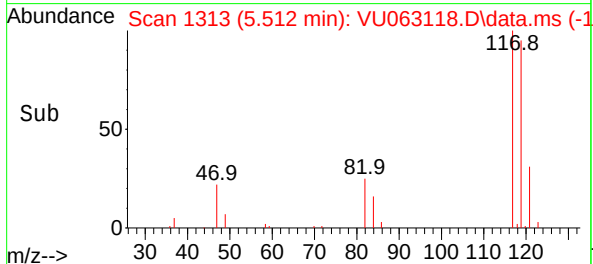
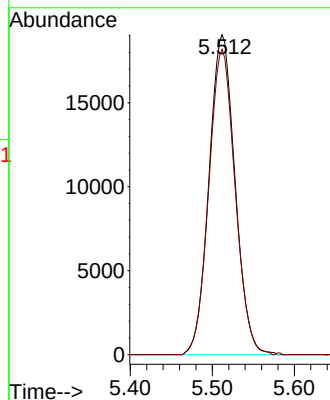
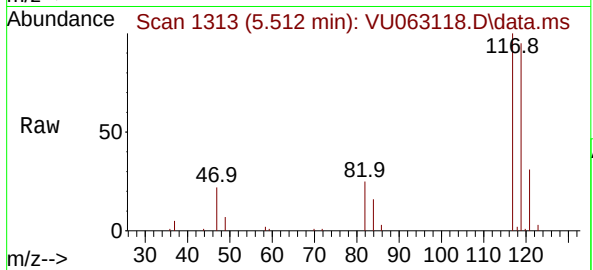




#31
Carbon tetrachloride
Concen: 4.826 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

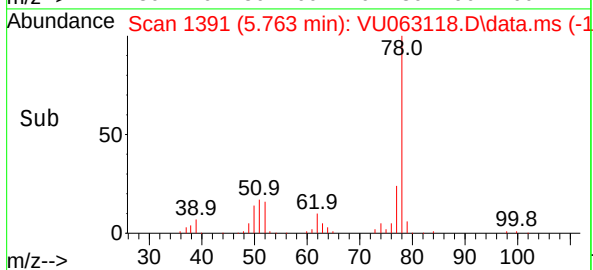
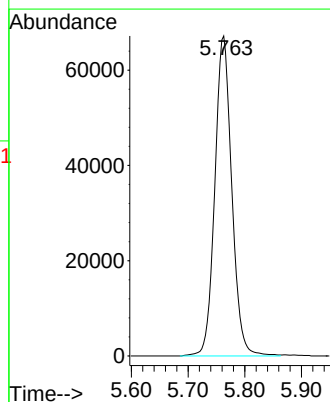
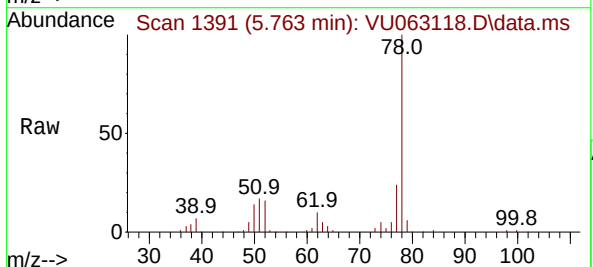
Instrument :
MSVOA_U
ClientSampleId :
VSTD005002

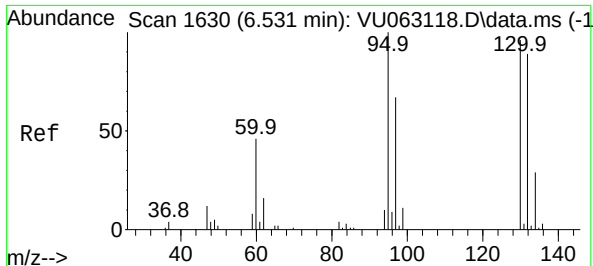
Tgt Ion:117 Resp: 42011
Ion Ratio Lower Upper
117 100
119 96.2 77.0 115.4



#33
Benzene
Concen: 5.076 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

Tgt Ion: 78 Resp: 139777

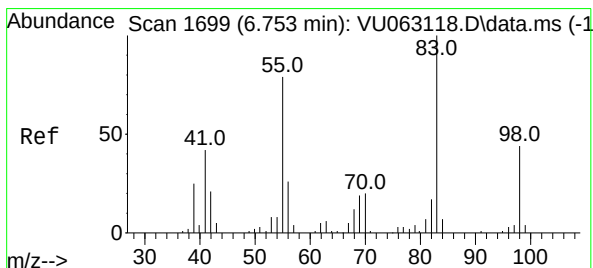
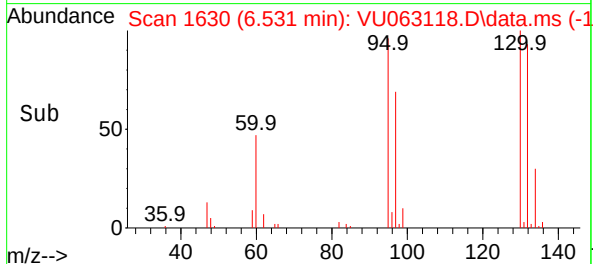
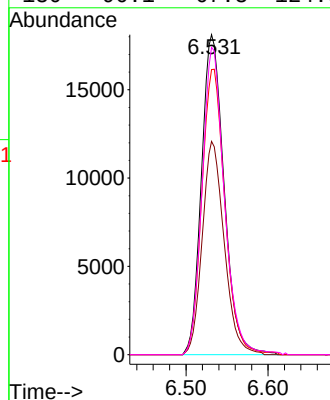
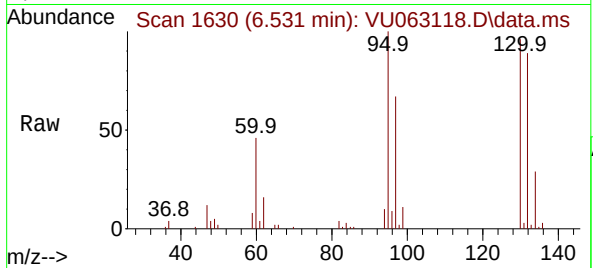




#34
Trichloroethene
Concen: 4.805 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

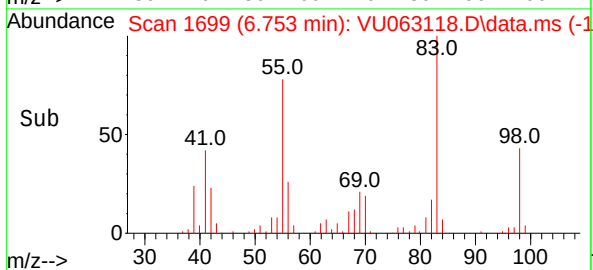
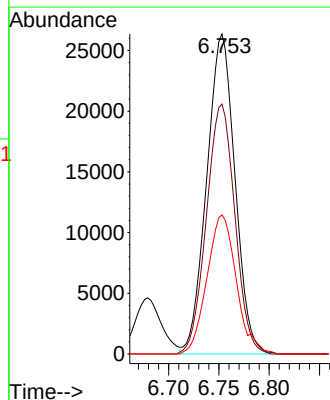
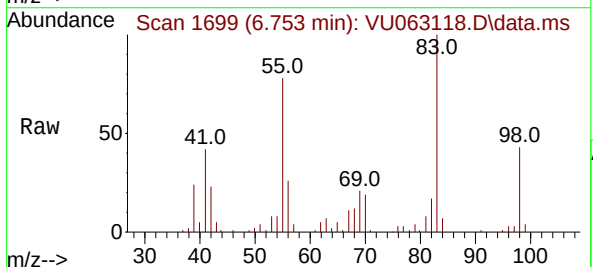
Instrument :
MSVOA_U
ClientSampleId :
VSTD005002

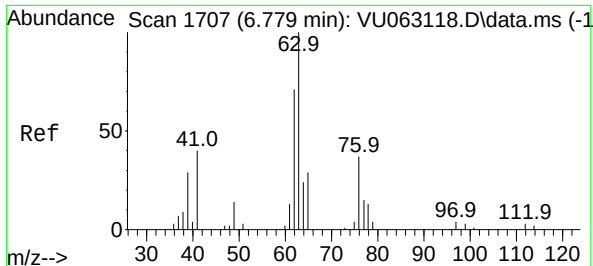
Tgt Ion: 95 Resp: 34778
Ion Ratio Lower Upper
95 100
97 66.7 46.7 86.7
132 89.1 62.4 115.8
130 96.1 67.3 124.9



#35
Methylcyclohexane
Concen: 4.985 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

Tgt Ion: 83 Resp: 51626
Ion Ratio Lower Upper
83 100
55 78.5 62.8 94.2
98 45.0 36.0 54.0

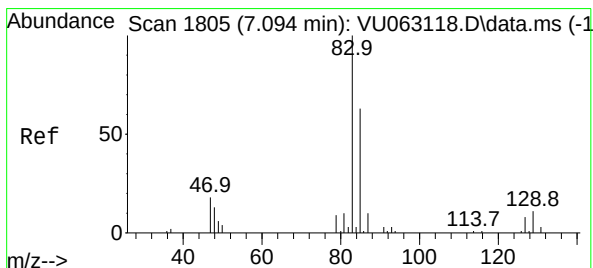
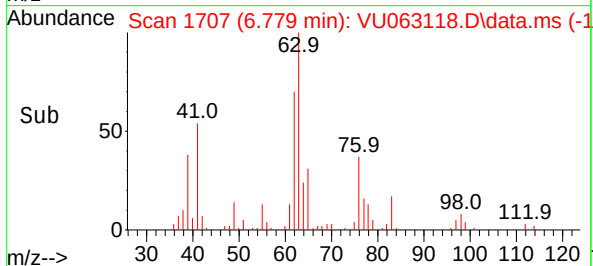
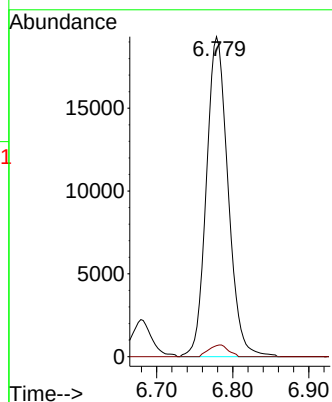
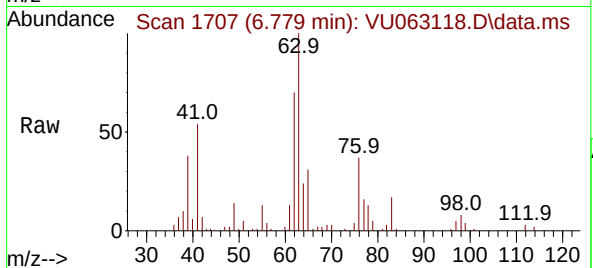




#37
1,2-Dichloropropane
Concen: 5.214 ug/L
RT: 6.779 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

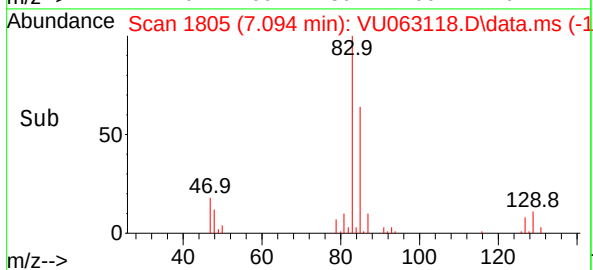
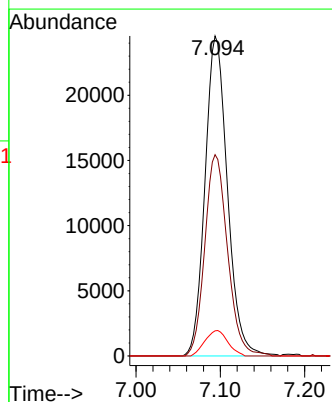
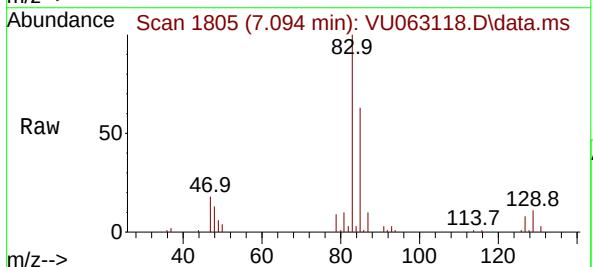
Instrument :
MSVOA_U
ClientSampleId :
VSTD005002

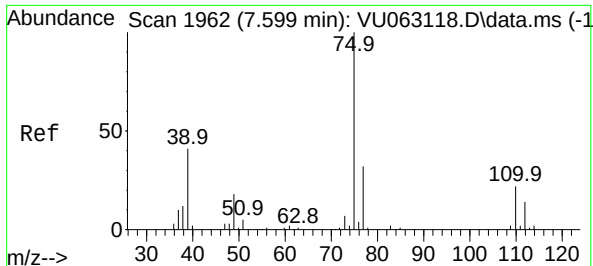
Tgt Ion: 63 Resp: 38261
Ion Ratio Lower Upper
63 100
112 3.3 2.6 4.0



#38
Bromodichloromethane
Concen: 5.031 ug/L
RT: 7.094 min Scan# 1805
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

Tgt Ion: 83 Resp: 45453
Ion Ratio Lower Upper
83 100
85 62.9 44.0 81.8
127 7.9 6.3 9.5

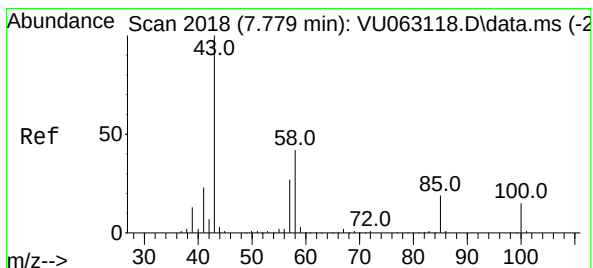
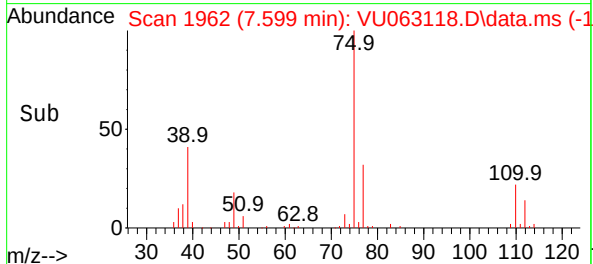
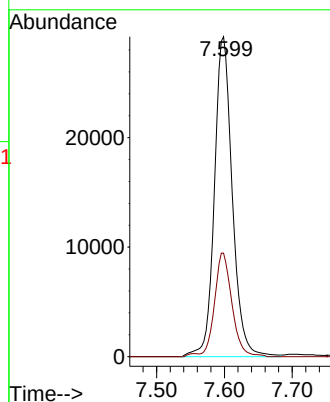
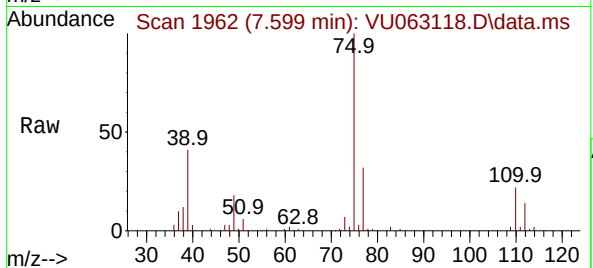




#39
 cis-1,3-Dichloropropene
 Concen: 5.026 ug/L
 RT: 7.599 min Scan# 1962
 Delta R.T. 0.000 min
 Lab File: VU063118.D
 Acq: 04 Feb 2025 13:44

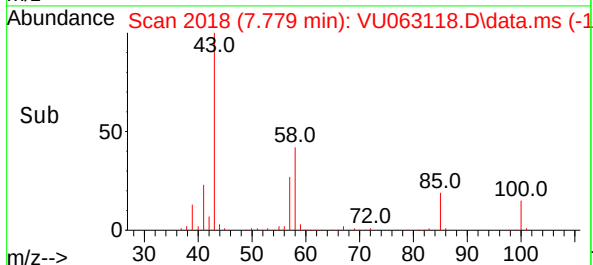
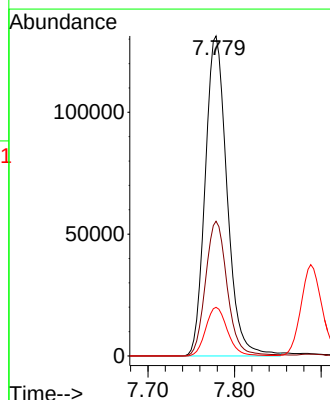
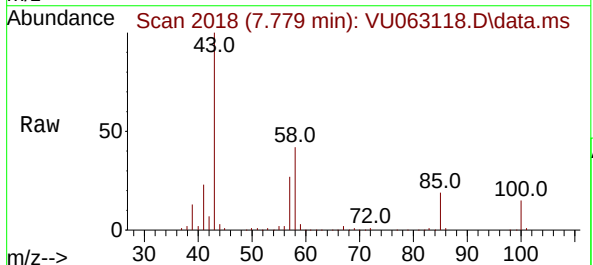
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005002

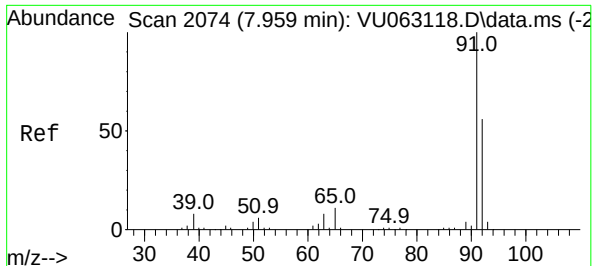
Tgt Ion: 75 Resp: 53601
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 60.238 ug/L
 RT: 7.779 min Scan# 2018
 Delta R.T. 0.000 min
 Lab File: VU063118.D
 Acq: 04 Feb 2025 13:44

Tgt Ion: 43 Resp: 230347
 Ion Ratio Lower Upper
 43 100
 58 42.1 33.7 50.5
 100 15.1 12.1 18.1





#42

Toluene

Concen: 5.050 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063118.D

Acq: 04 Feb 2025 13:44

Instrument :

MSVOA_U

ClientSampleId :

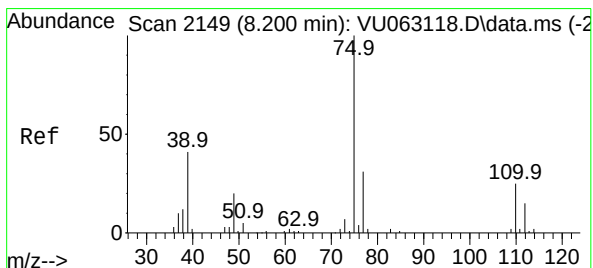
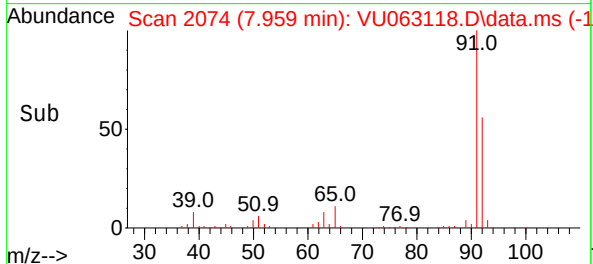
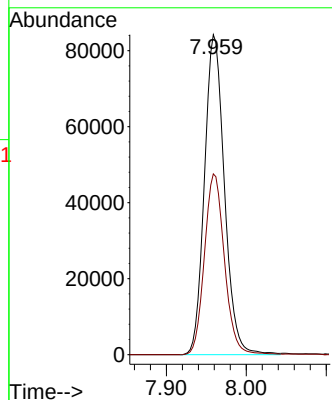
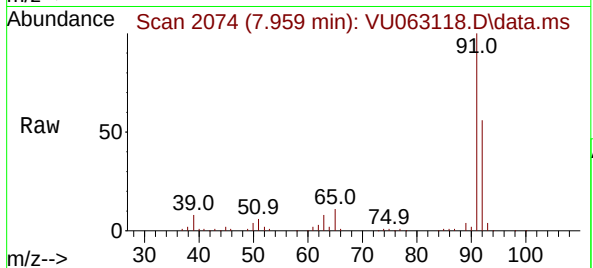
VSTD005002

Tgt Ion: 91 Resp: 146673

Ion Ratio Lower Upper

91 100

92 56.5 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.179 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.000 min

Lab File: VU063118.D

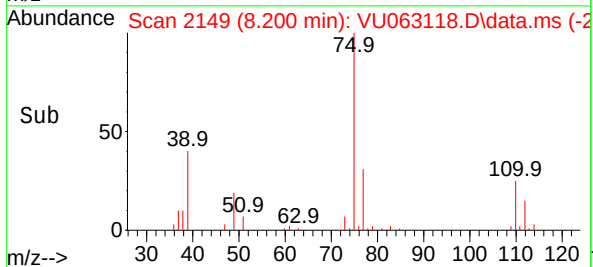
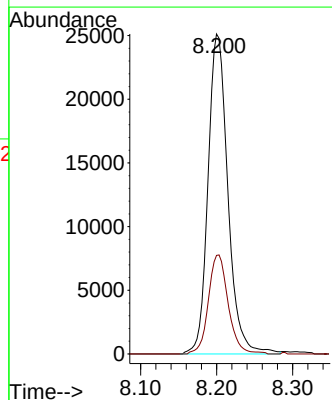
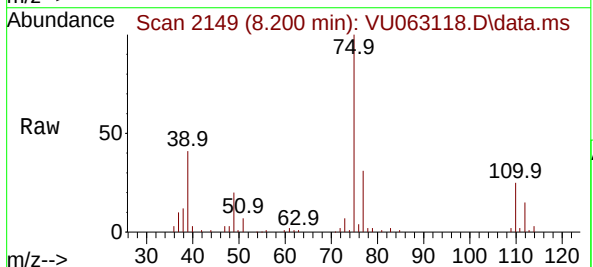
Acq: 04 Feb 2025 13:44

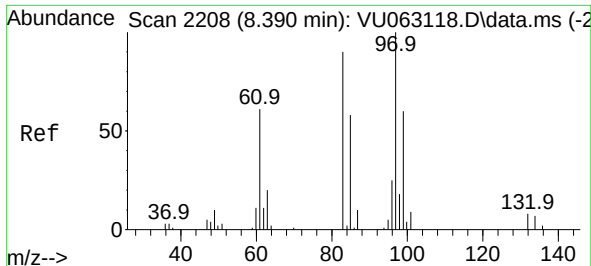
Tgt Ion: 75 Resp: 45670

Ion Ratio Lower Upper

75 100

77 30.8 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 5.196 ug/L

RT: 8.390 min Scan# 2208

Delta R.T. 0.000 min

Lab File: VU063118.D

Acq: 04 Feb 2025 13:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005002

Tgt Ion: 97 Resp: 28562

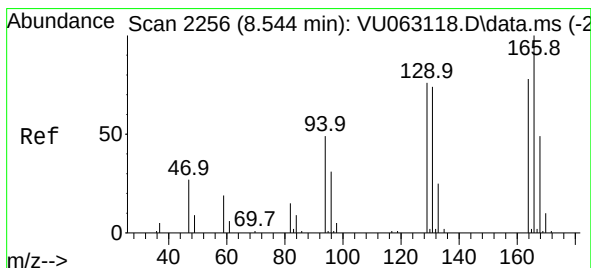
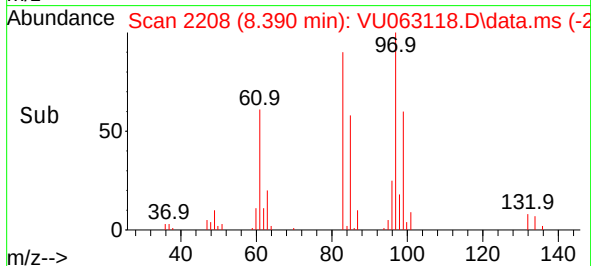
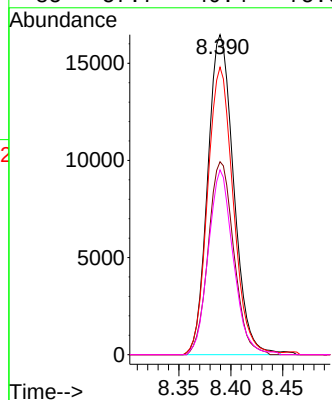
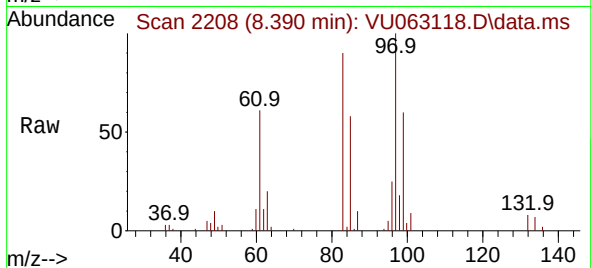
Ion Ratio Lower Upper

97 100

99 60.3 42.2 78.4

83 89.9 62.9 116.9

85 57.7 40.4 75.0



#47

Tetrachloroethene

Concen: 4.961 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.000 min

Lab File: VU063118.D

Acq: 04 Feb 2025 13:44

Tgt Ion:164 Resp: 24679

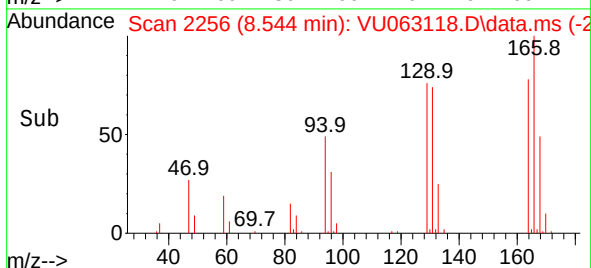
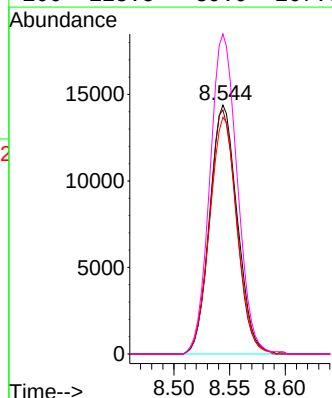
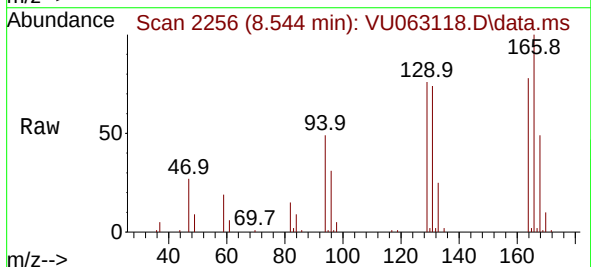
Ion Ratio Lower Upper

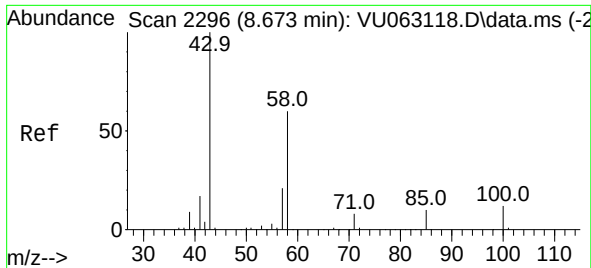
164 100

129 98.0 68.6 127.4

131 95.0 66.5 123.5

166 128.5 89.9 167.0



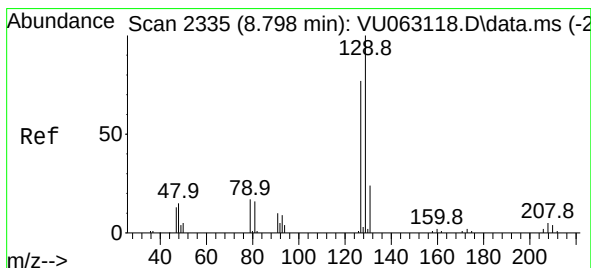
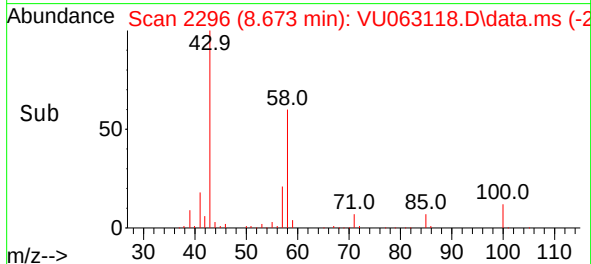
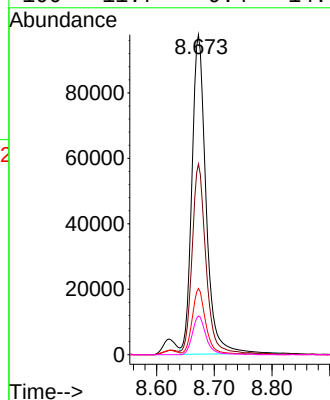
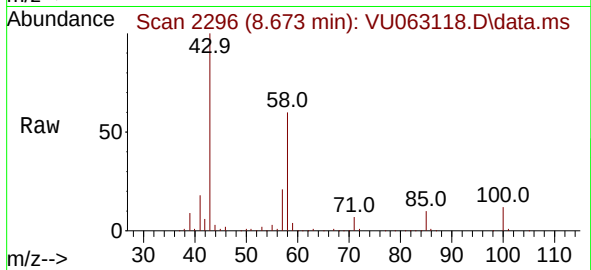


#48
2-Hexanone
Concen: 62.271 ug/L
RT: 8.673 min Scan# 2296
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD005002

Tgt Ion: 43 Resp: 166295

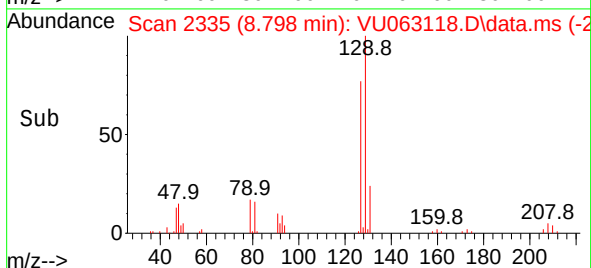
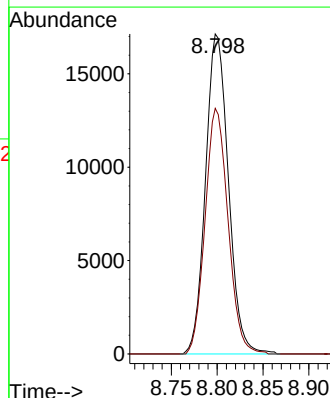
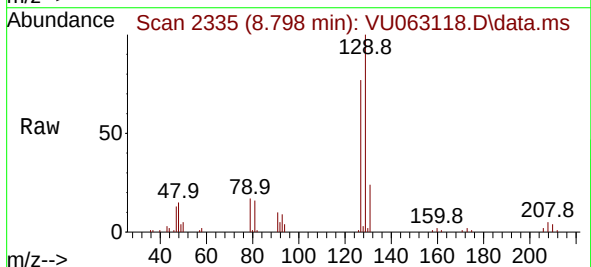
Ion	Ratio	Lower	Upper
43	100		
58	57.3	45.8	68.8
57	19.6	15.7	23.5
100	11.7	9.4	14.0

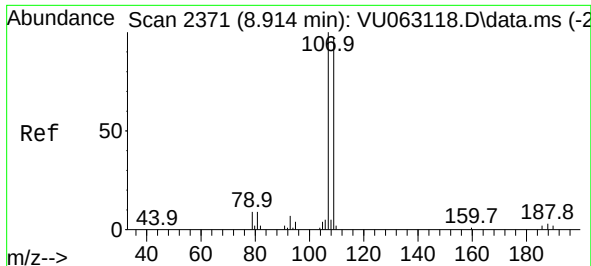


#49
Dibromochloromethane
Concen: 5.017 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

Tgt Ion: 129 Resp: 29775

Ion	Ratio	Lower	Upper
129	100		
127	76.8	53.8	99.8





#50

1,2-Dibromoethane

Concen: 5.148 ug/L

RT: 8.914 min Scan# 2371

Delta R.T. 0.000 min

Lab File: VU063118.D

Acq: 04 Feb 2025 13:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005002

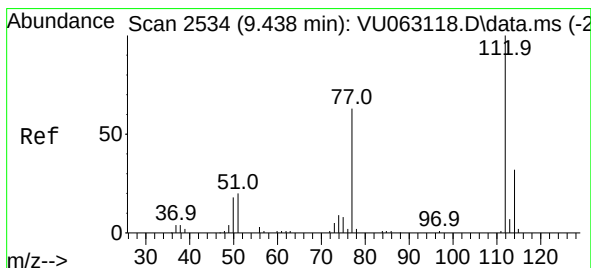
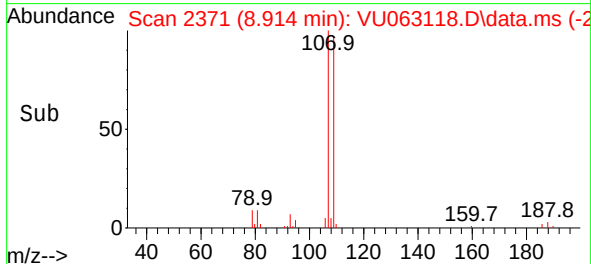
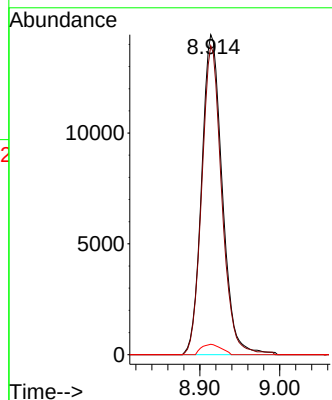
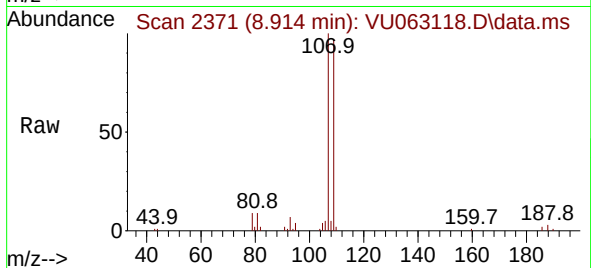
Tgt Ion:107 Resp: 25918

Ion Ratio Lower Upper

107 100

109 96.6 67.6 125.6

188 3.2 2.6 3.8



#51

Chlorobenzene

Concen: 4.882 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. 0.000 min

Lab File: VU063118.D

Acq: 04 Feb 2025 13:44

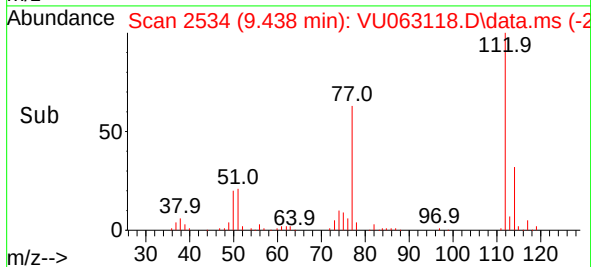
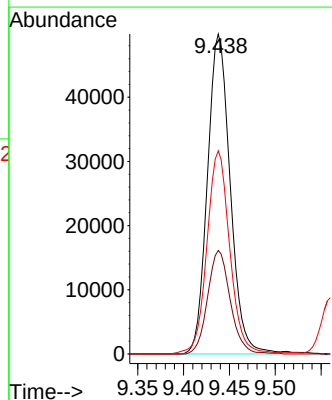
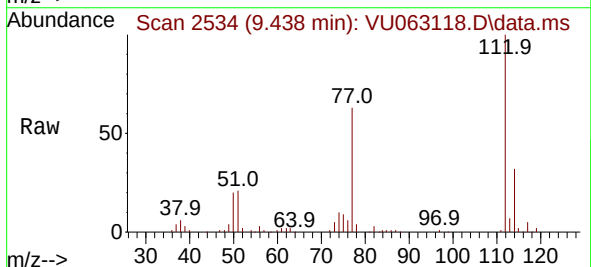
Tgt Ion:112 Resp: 86116

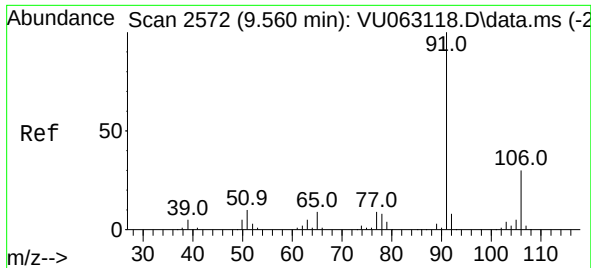
Ion Ratio Lower Upper

112 100

114 32.3 22.6 42.0

77 63.5 50.8 76.2

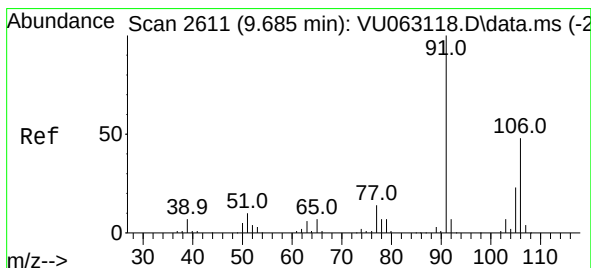
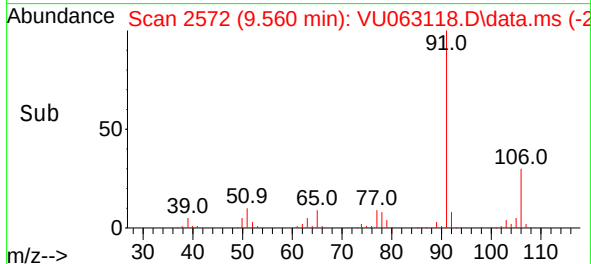
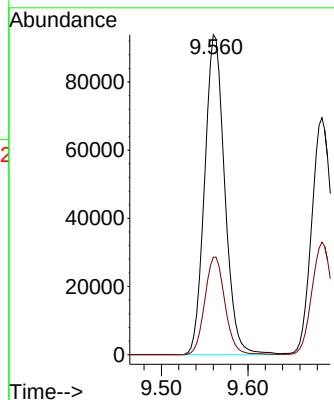
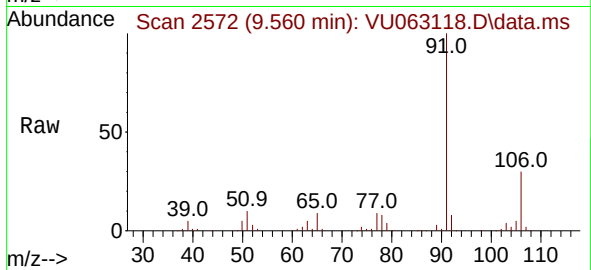




#52
Ethylbenzene
Concen: 4.927 ug/L
RT: 9.560 min Scan# 2572
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

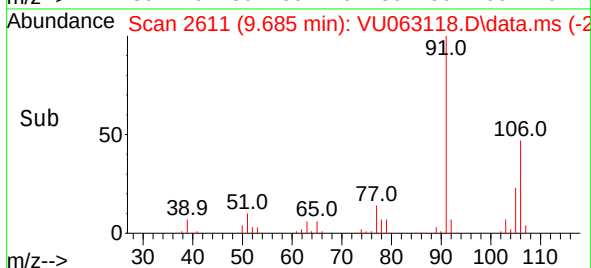
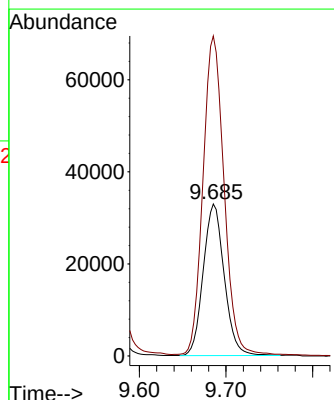
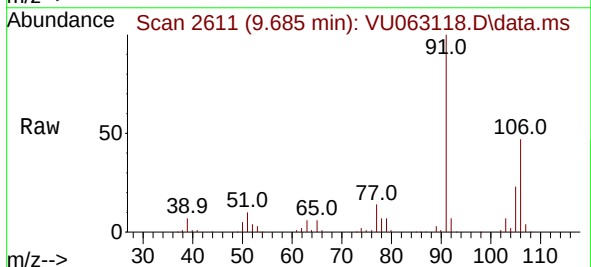
Instrument :
MSVOA_U
ClientSampleId :
VSTD005002

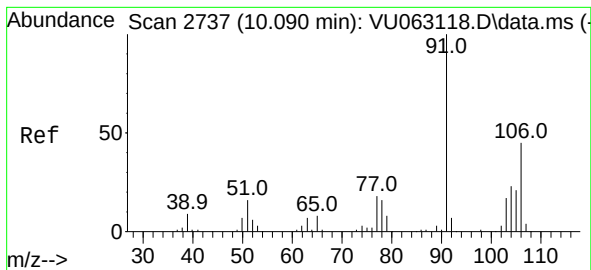
Tgt Ion: 91 Resp: 151365
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.6



#53
m,p-Xylene
Concen: 4.896 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

Tgt Ion:106 Resp: 55467
Ion Ratio Lower Upper
106 100
91 210.5 147.3 273.6





#54

o-Xylene

Concen: 4.981 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VU063118.D

Acq: 04 Feb 2025 13:44

Instrument :

MSVOA_U

ClientSampleId :

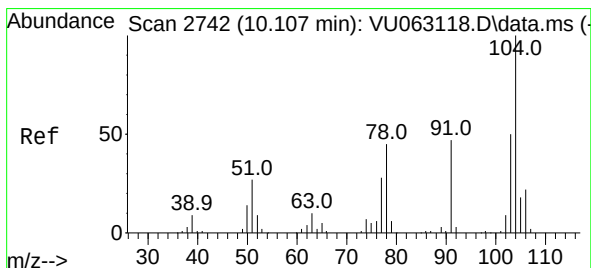
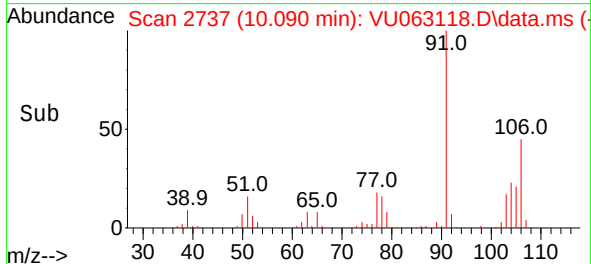
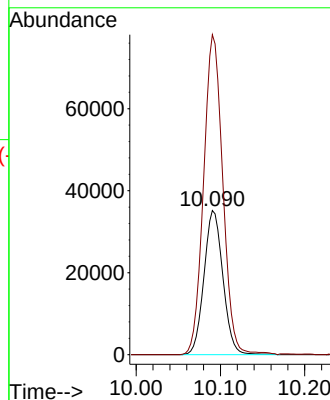
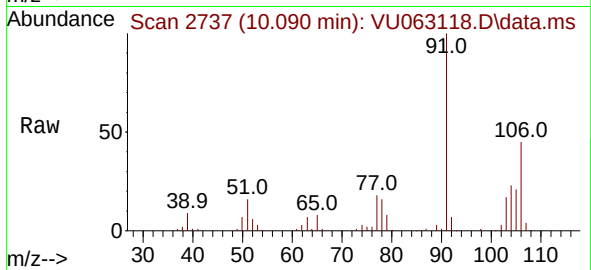
VSTD005002

Tgt Ion:106 Resp: 55092

Ion Ratio Lower Upper

106 100

91 222.0 155.4 288.6



#55

Styrene

Concen: 5.027 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU063118.D

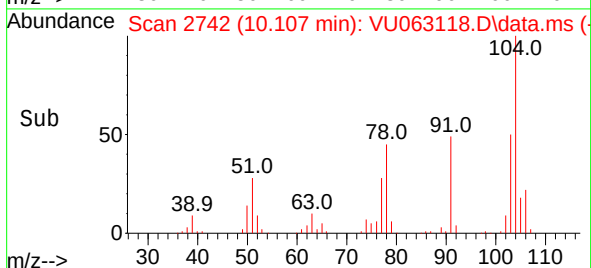
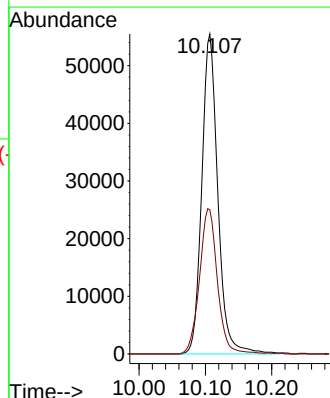
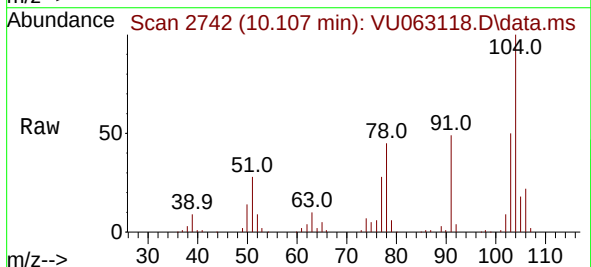
Acq: 04 Feb 2025 13:44

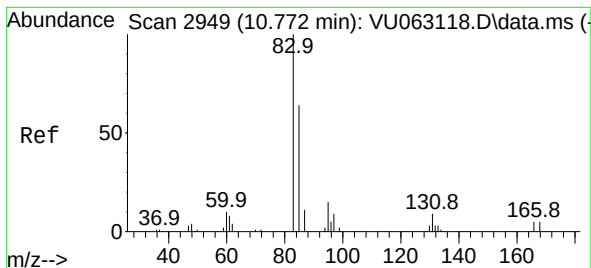
Tgt Ion:104 Resp: 93260

Ion Ratio Lower Upper

104 100

78 45.1 31.6 58.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.233 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU063118.D

Acq: 04 Feb 2025 13:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005002

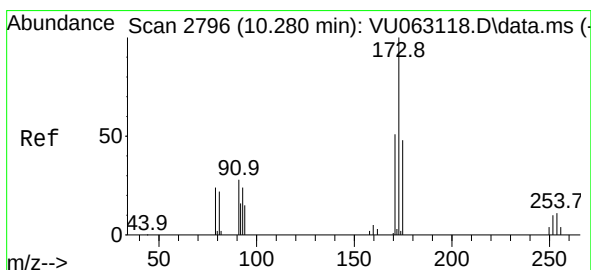
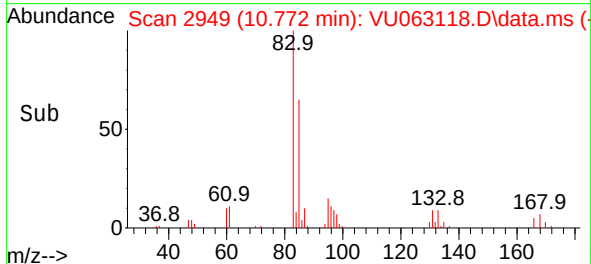
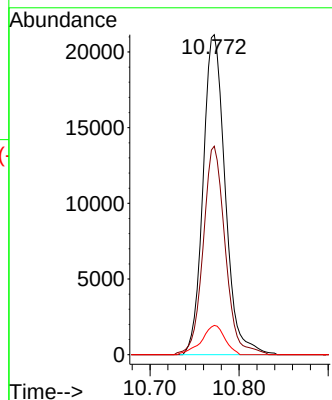
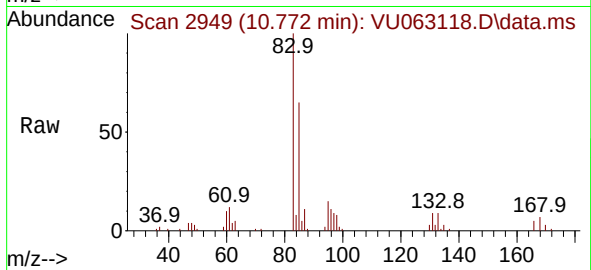
Tgt Ion: 83 Resp: 36426

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.8

131 9.2 7.4 11.0



#59

Bromoform

Concen: 4.971 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. 0.000 min

Lab File: VU063118.D

Acq: 04 Feb 2025 13:44

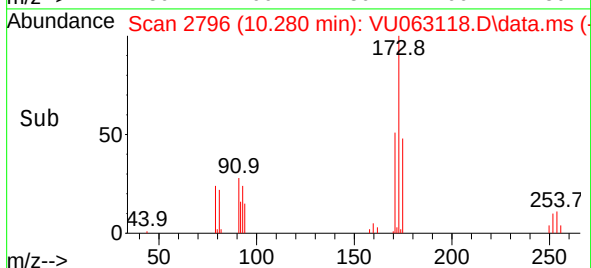
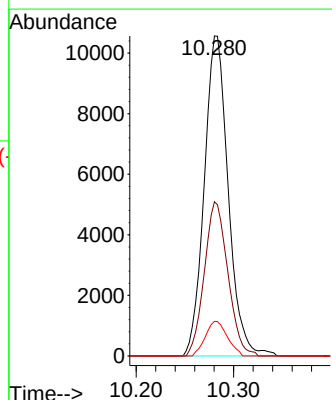
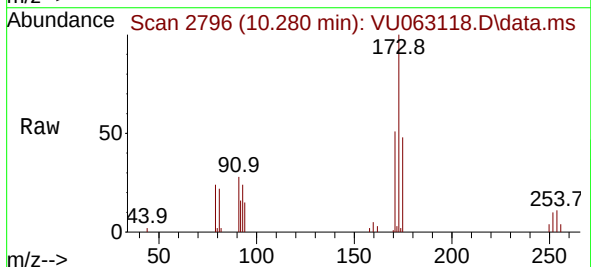
Tgt Ion:173 Resp: 18072

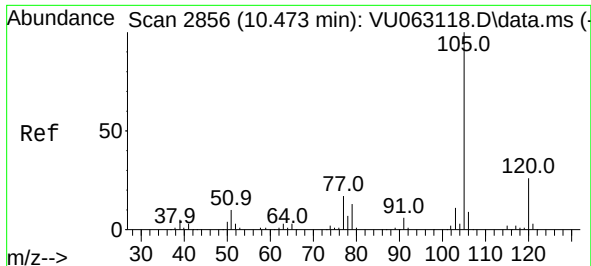
Ion Ratio Lower Upper

173 100

175 47.1 37.7 56.5

254 9.9 7.9 11.9

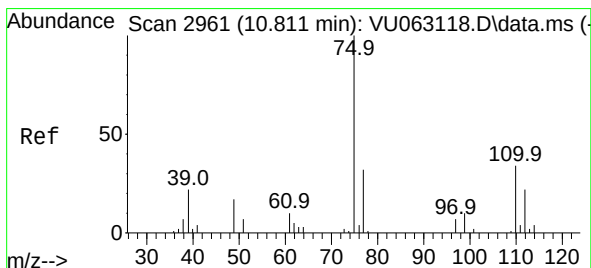
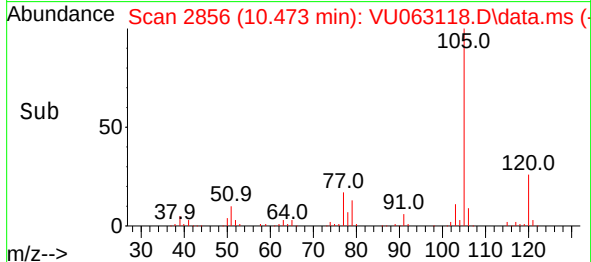
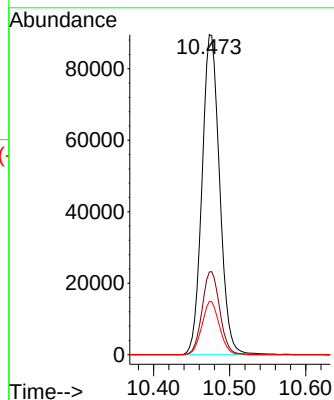
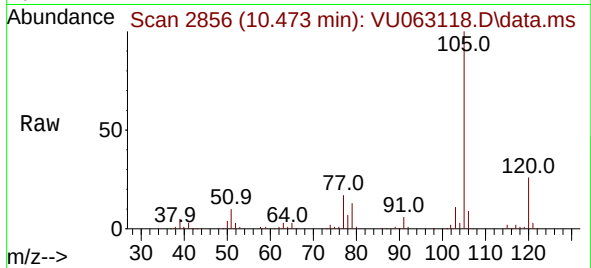




#60
Isopropylbenzene
Concen: 4.720 ug/L
RT: 10.473 min Scan# 2856
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

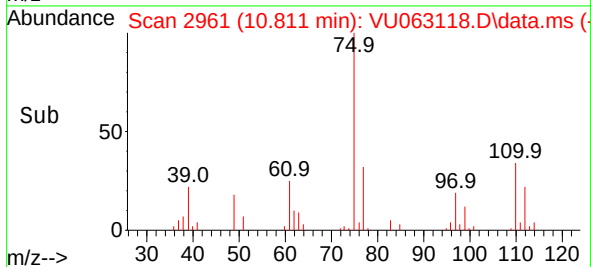
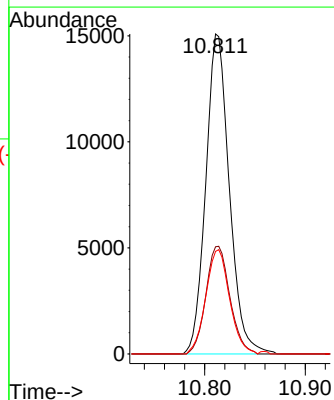
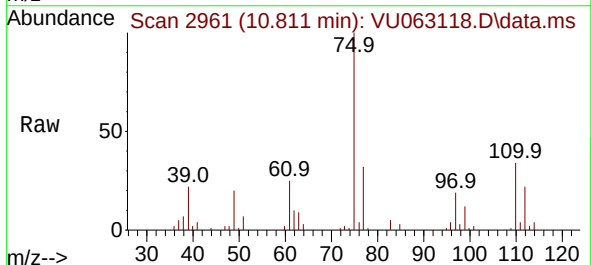
Instrument :
MSVOA_U
ClientSampleId :
VSTD005002

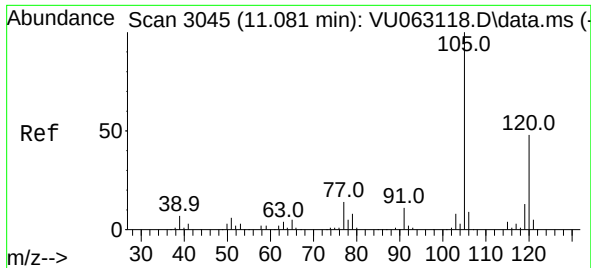
Tgt Ion:105 Resp: 143844
Ion Ratio Lower Upper
105 100
120 26.0 20.8 31.2
77 16.6 13.3 19.9



#61
1,2,3-Trichloropropane
Concen: 5.208 ug/L
RT: 10.811 min Scan# 2961
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

Tgt Ion: 75 Resp: 24552
Ion Ratio Lower Upper
75 100
110 34.2 27.4 41.0
77 32.9 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 4.785 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU063118.D

Acq: 04 Feb 2025 13:44

Instrument :

MSVOA_U

ClientSampleId :

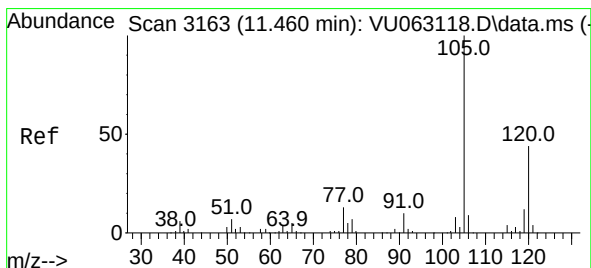
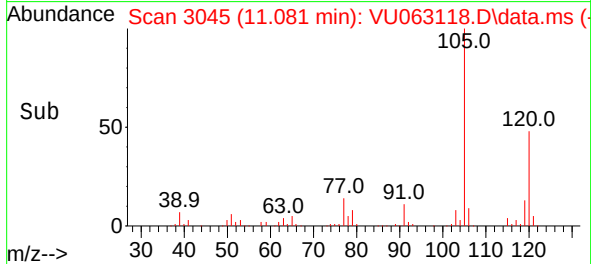
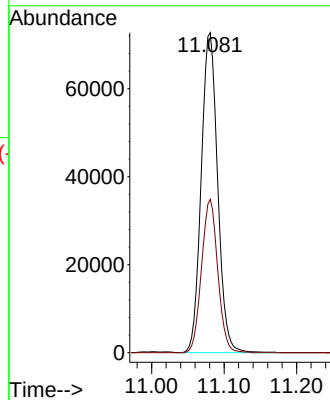
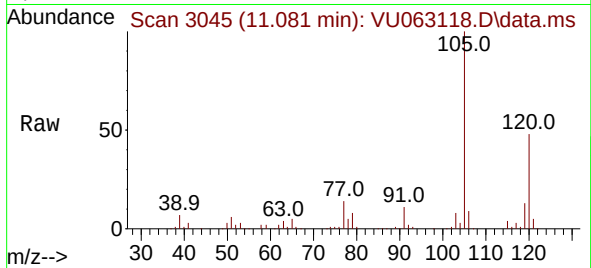
VSTD005002

Tgt Ion:105 Resp: 114621

Ion Ratio Lower Upper

105 100

120 47.3 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 5.001 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU063118.D

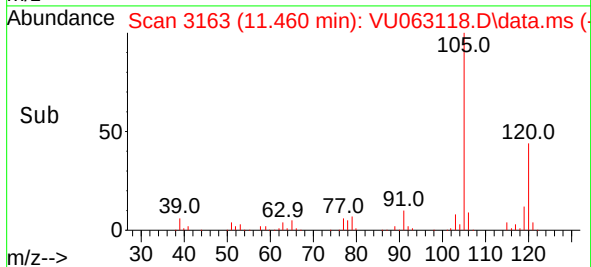
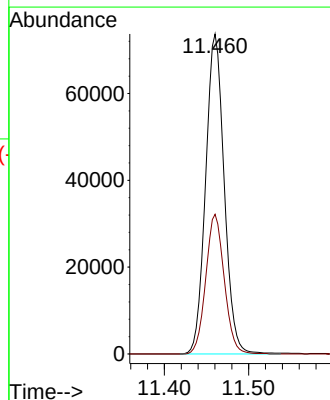
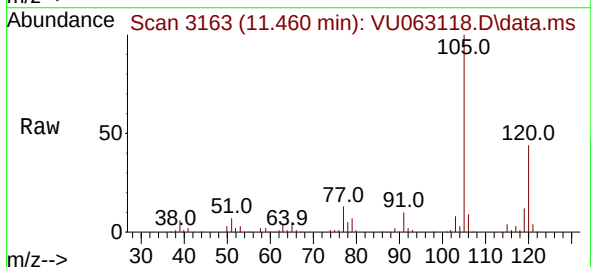
Acq: 04 Feb 2025 13:44

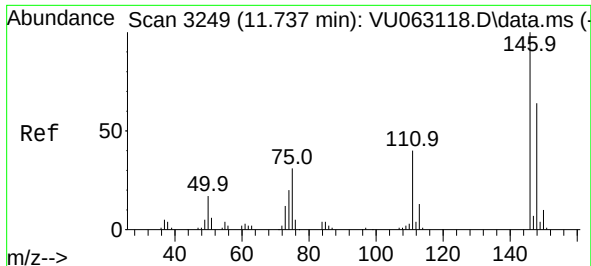
Tgt Ion:105 Resp: 113221

Ion Ratio Lower Upper

105 100

120 43.4 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 4.695 ug/L

RT: 11.737 min Scan# 3249

Delta R.T. 0.000 min

Lab File: VU063118.D

Acq: 04 Feb 2025 13:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005002

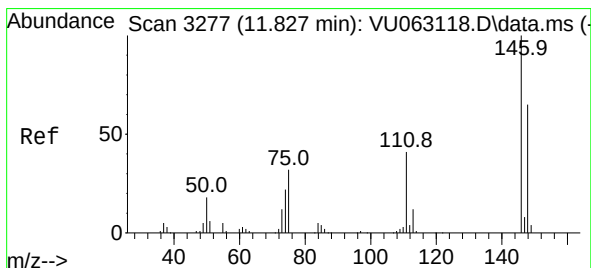
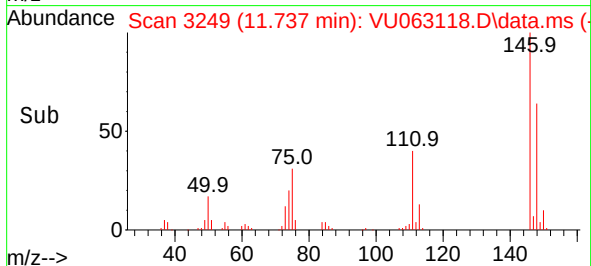
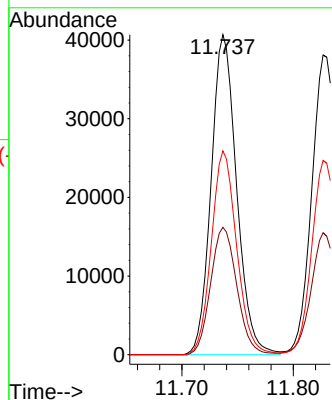
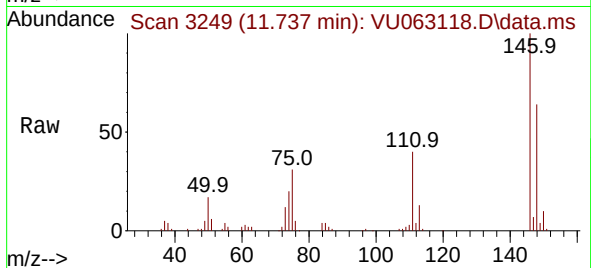
Tgt Ion:146 Resp: 64611

Ion Ratio Lower Upper

146 100

111 39.8 27.9 51.7

148 63.7 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 4.637 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VU063118.D

Acq: 04 Feb 2025 13:44

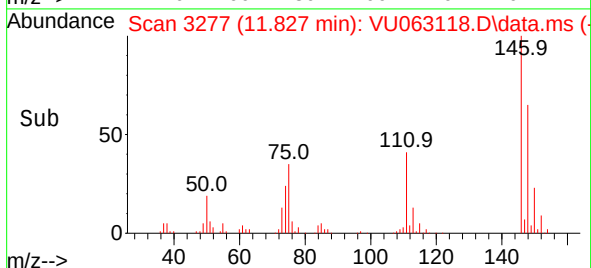
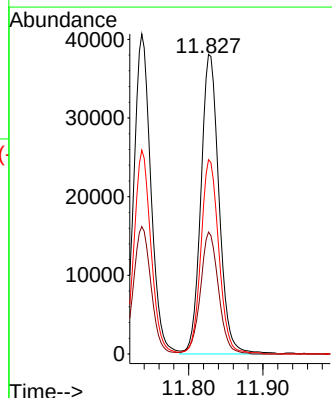
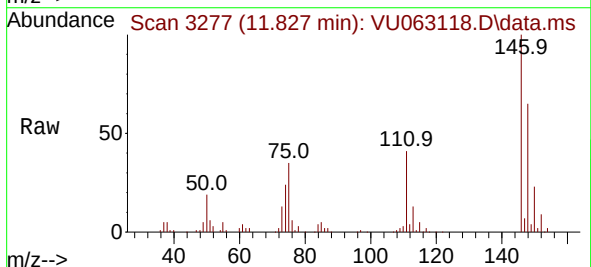
Tgt Ion:146 Resp: 64633

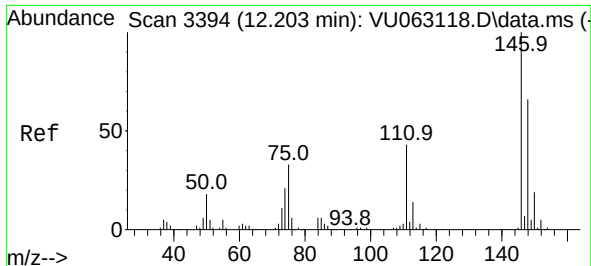
Ion Ratio Lower Upper

146 100

111 40.7 28.5 52.9

148 64.8 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 4.619 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU063118.D

Acq: 04 Feb 2025 13:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005002

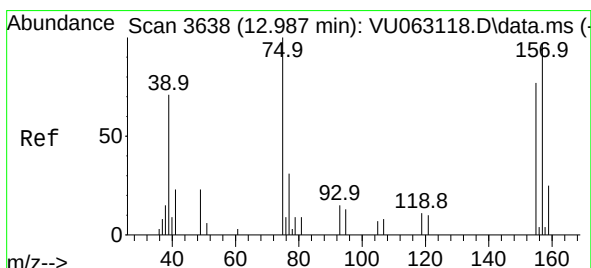
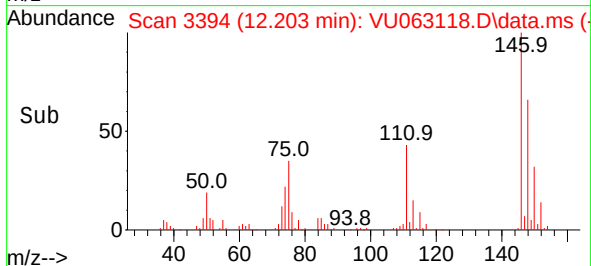
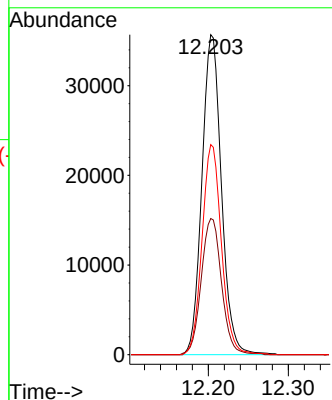
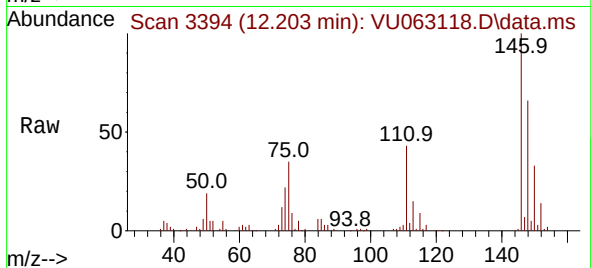
Tgt Ion:146 Resp: 60677

Ion Ratio Lower Upper

146 100

111 42.6 34.1 51.1

148 65.6 52.5 78.7



#68

1,2-Dibromo-3-chloropropane

Concen: 6.460 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU063118.D

Acq: 04 Feb 2025 13:44

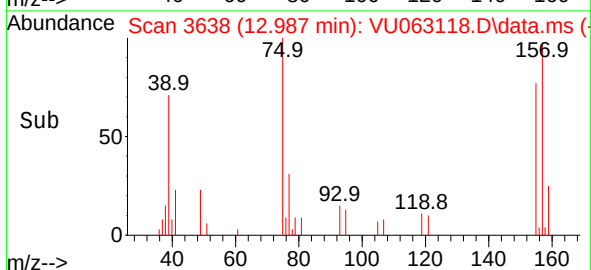
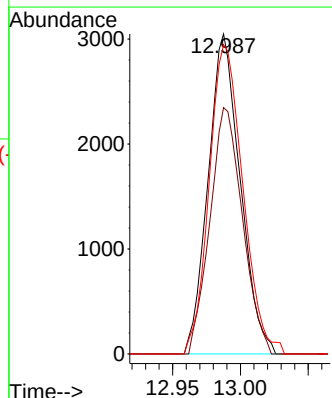
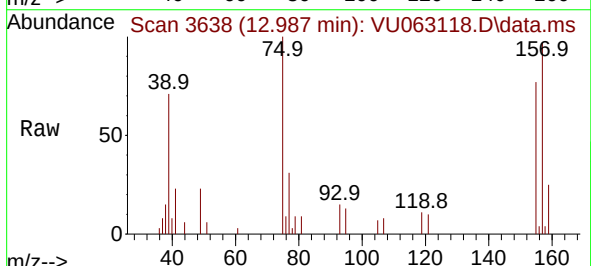
Tgt Ion: 75 Resp: 5009

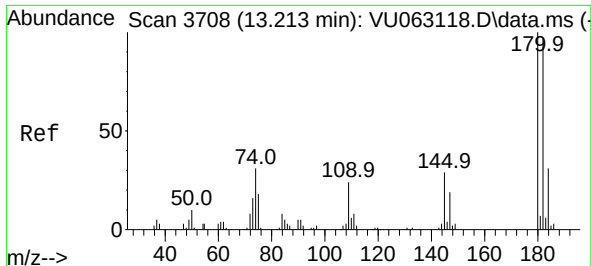
Ion Ratio Lower Upper

75 100

155 77.0 61.6 92.4

157 96.7 77.4 116.0





#69

1,3,5-Trichlorobenzene

Concen: 4.802 ug/L

RT: 13.213 min Scan# 3708

Delta R.T. 0.000 min

Lab File: VU063118.D

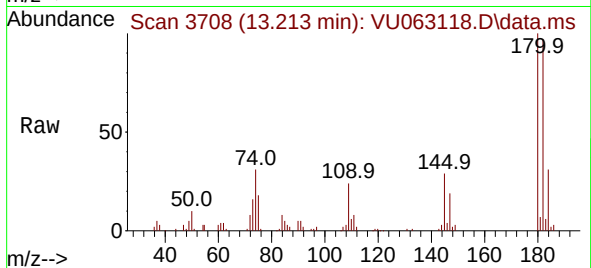
Acq: 04 Feb 2025 13:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD005002



Tgt Ion:180 Resp: 43870

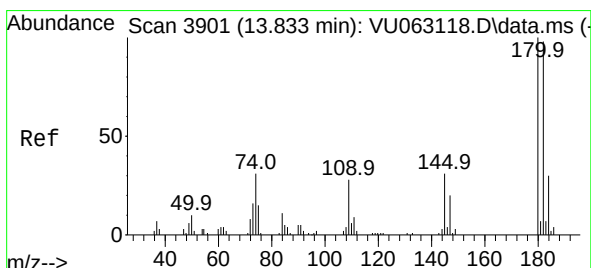
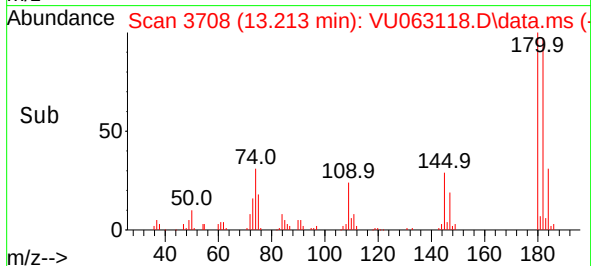
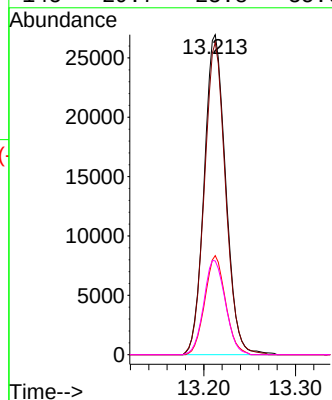
Ion Ratio Lower Upper

180 100

182 95.9 76.7 115.1

184 29.8 23.8 35.8

145 29.7 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 5.360 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU063118.D

Acq: 04 Feb 2025 13:44

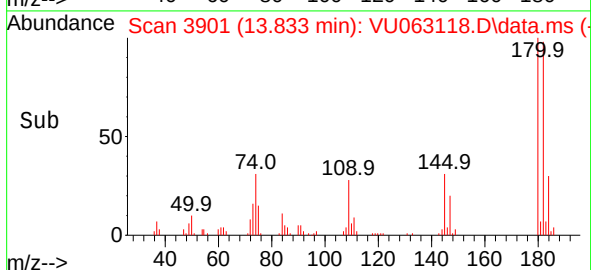
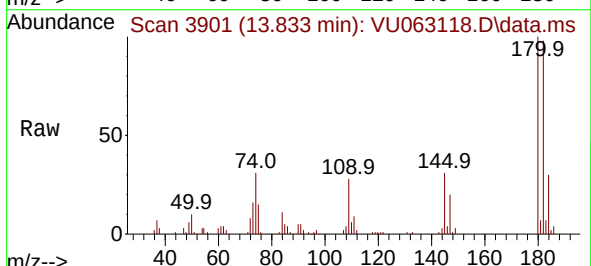
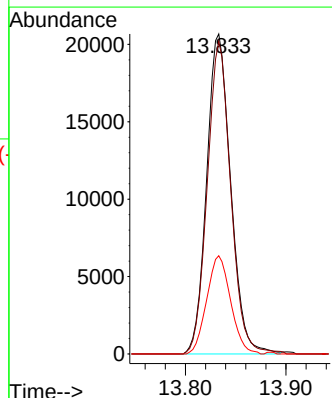
Tgt Ion:180 Resp: 34375

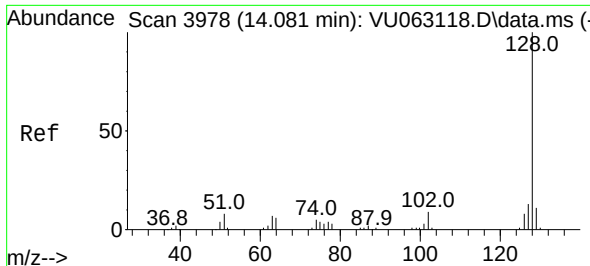
Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 30.4 24.3 36.5

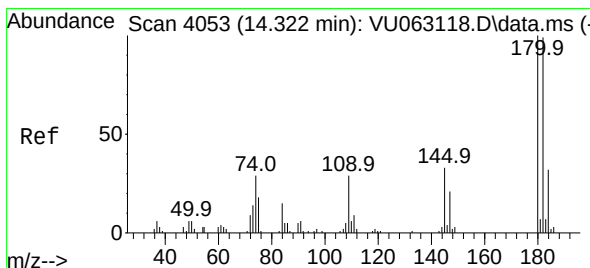
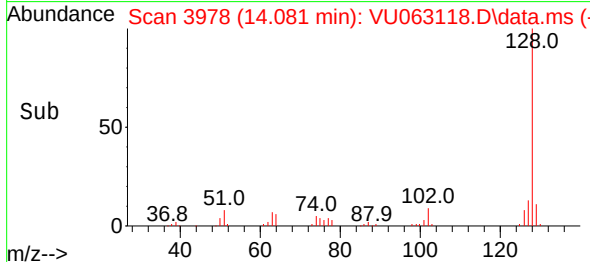
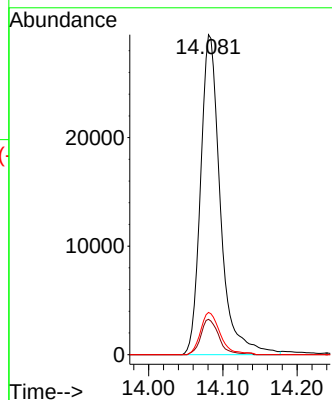
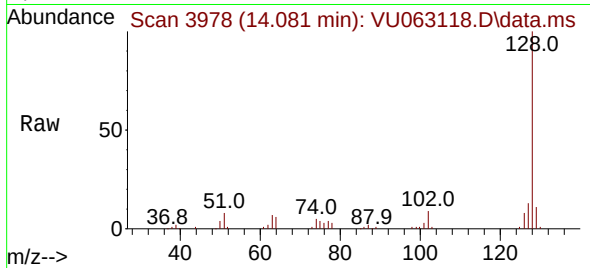




#71
Naphthalene
Concen: 5.690 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD005002

Tgt Ion:128 Resp: 54450
Ion Ratio Lower Upper
128 100
129 10.0 8.0 12.0
127 13.2 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 5.426 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU063118.D
Acq: 04 Feb 2025 13:44

Tgt Ion:180 Resp: 31149
Ion Ratio Lower Upper
180 100
182 98.1 78.5 117.7
145 32.6 26.1 39.1

