

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091725\
 Data File : VU063601.D
 Acq On : 17 Sep 2025 11:08
 Operator : MD/SY
 Sample : VSTD02025
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020025

Quant Time: Sep 18 06:00:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 18 05:57:15 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	148688	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	141799	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	76839	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	164555	21.528	ug/L	0.00
7) Chloroethane-d5	1.888	69	157232	21.398	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.547	65	76025	20.847	ug/L	0.00
20) 2-Butanone-d5	4.605	46	548990	249.578	ug/L	0.00
24) Chloroform-d	5.042	84	397847	21.780	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.685	65	211326	22.473	ug/L	0.00
32) Benzene-d6	5.711	84	746122	21.912	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.676	67	240643	21.836	ug/L	0.00
41) Toluene-d8	7.885	98	691099	22.621	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.168	79	77755	25.771	ug/L	0.00
46) 2-Hexanone-d5	8.621	63	403452	253.837	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.743	84	201659	22.698	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.183	152	259876	21.768	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	251040	21.215	ug/L	100
3) Chloromethane	1.515	50	272518	20.805	ug/L	99
5) Vinyl chloride	1.595	62	300193	21.414	ug/L	98
6) Bromomethane	1.827	94	172180	20.788	ug/L	95
8) Chloroethane	1.911	64	181797	21.014	ug/L	98
9) Trichlorofluoromethane	2.120	101	393717	21.463	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.560	101	222519	21.446	ug/L	99
12) 1,1-Dichloroethene	2.560	96	206016	21.422	ug/L	92
13) Acetone	2.615	43	418360	216.538	ug/L	99
14) Carbon disulfide	2.776	76	598382	23.549	ug/L	100
15) Methyl Acetate	2.939	43	93512	21.369	ug/L	99
16) Methylene chloride	3.026	84	230908	20.516	ug/L	99
17) Methyl tert-butyl Ether	3.351	73	535647	22.592	ug/L	99
18) trans-1,2-Dichloroethene	3.335	96	221357	22.273	ug/L	99
19) 1,1-Dichloroethane	3.849	63	440318	21.752	ug/L	100
21) 2-Butanone	4.685	43	666428	254.563	ug/L	97
22) cis-1,2-Dichloroethene	4.647	96	252908	22.377	ug/L	98
23) Bromochloromethane	4.955	128	112280	22.428	ug/L	97
25) Chloroform	5.068	83	447712	21.577	ug/L	99
27) 1,2-Dichloroethane	5.775	62	298669	21.718	ug/L	99
29) 1,1,1-Trichloroethane	5.296	97	371306	22.851	ug/L	98
30) Cyclohexane	5.370	56	431788	22.526	ug/L	98
31) Carbon tetrachloride	5.505	117	310959	24.442	ug/L	99
33) Benzene	5.756	78	970292	21.896	ug/L	100
34) Trichloroethene	6.528	95	262556	21.604	ug/L	98
35) Methylcyclohexane	6.746	83	409321	22.080	ug/L	99
37) 1,2-Dichloropropane	6.775	63	260951	21.738	ug/L	99
38) Bromodichloromethane	7.090	83	296376	23.084	ug/L	99
39) cis-1,3-Dichloropropene	7.595	75	351941	25.852	ug/L	99
40) 4-Methyl-2-pentanone	7.779	43	1596189	232.315	ug/L	98
42) Toluene	7.955	91	1068120	22.474	ug/L	99
44) trans-1,3-Dichloropropene	8.197	75	259460	25.942	ug/L	97

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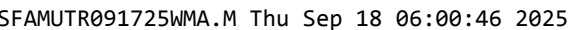
Instrument :
 MSVOA_U
 ClientSampleId :
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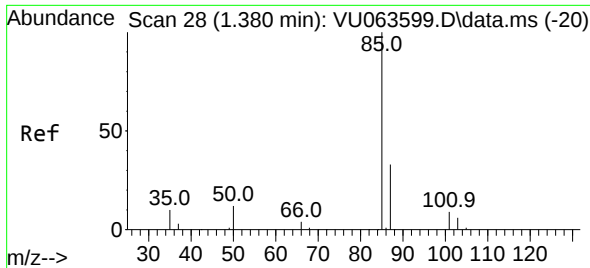
Quant Time: Sep 18 06:00:36 2025
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.386	97	181280	22.058	ug/L	97
47) Tetrachloroethene	8.541	164	199822	21.537	ug/L	99
48) 2-Hexanone	8.672	43	1164771	249.358	ug/L	99
49) Dibromochloromethane	8.798	129	187806	24.996	ug/L	98
50) 1,2-Dibromoethane	8.910	107	167668	22.870	ug/L	98
51) Chlorobenzene	9.434	112	671816	21.827	ug/L	98
52) Ethylbenzene	9.560	91	1181922	22.593	ug/L	98
53) m,p-Xylene	9.682	106	452546	23.059	ug/L	96
54) o-Xylene	10.090	106	439508	23.142	ug/L	95
55) Styrene	10.103	104	739907	23.749	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.772	83	223113	22.726	ug/L	98
59) Bromoform	10.280	173	99273	23.863	ug/L	97
60) Isopropylbenzene	10.473	105	1186618	21.467	ug/L	100
61) 1,2,3-Trichloropropane	10.811	75	161058	21.147	ug/L	98
62) 1,3,5-Trimethylbenzene	11.077	105	1025722	22.820	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	997872	23.249	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	538224	21.728	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	536532	21.453	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	494845	21.400	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.984	75	29654	25.214	ug/L	93
69) 1,3,5-Trichlorobenzene	13.209	180	408651	22.045	ug/L	98
70) 1,2,4-trichlorobenzene	13.830	180	334198	23.359	ug/L	99
71) Naphthalene	14.077	128	542448	25.337	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	291077	23.699	ug/L	98

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

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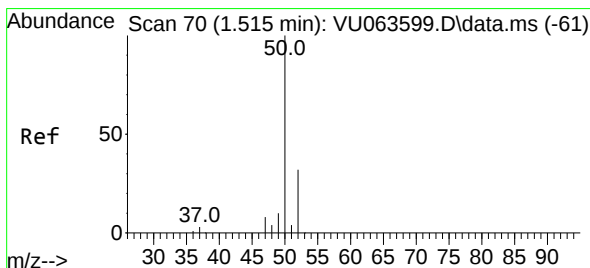
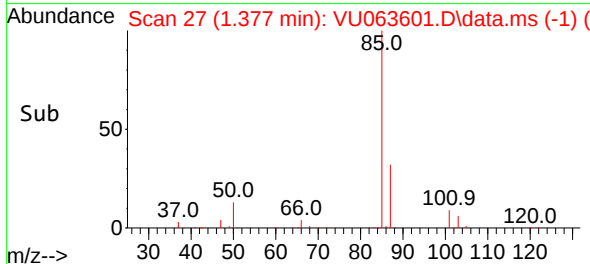
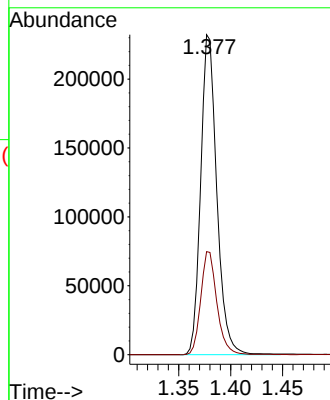
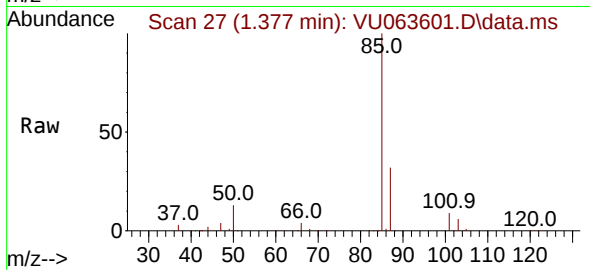




#2
 Dichlorodifluoromethane
 Concen: 21.215 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU063601.D
 Acq: 17 Sep 2025 11:08

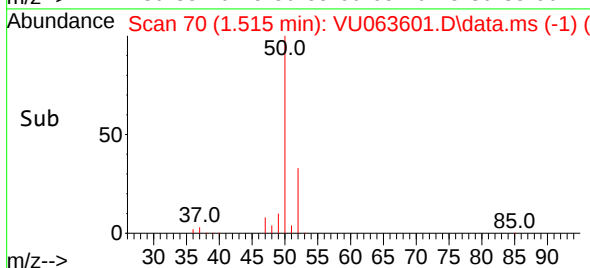
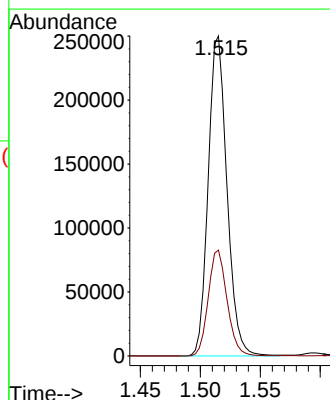
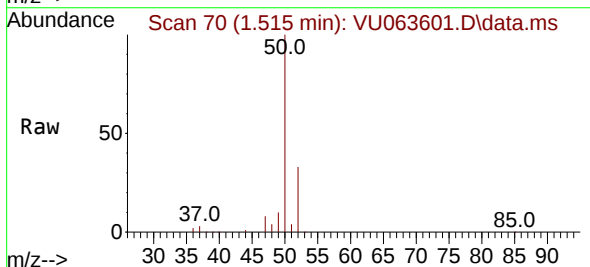
Instrument :
 MSVOA_U
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 VSTD020025

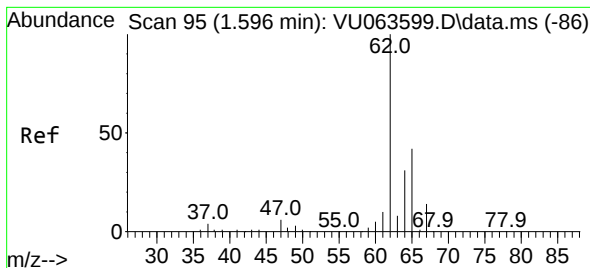
Tgt Ion: 85 Resp: 251040
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.8 38.8



#3
 Chloromethane
 Concen: 20.805 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU063601.D
 Acq: 17 Sep 2025 11:08

Tgt Ion: 50 Resp: 272518
 Ion Ratio Lower Upper
 50 100
 52 33.1 22.6 42.0

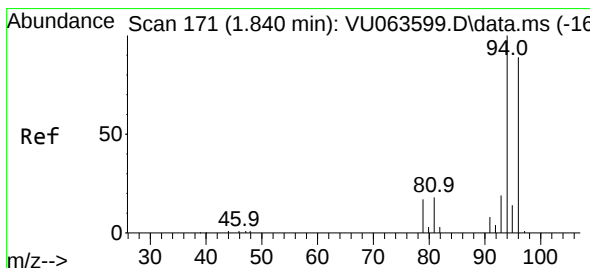
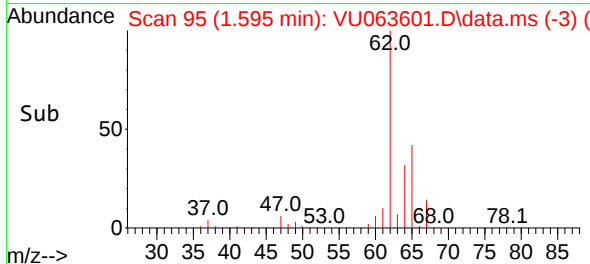
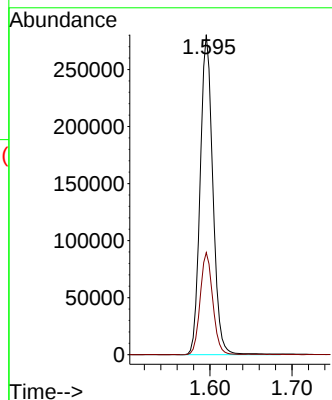
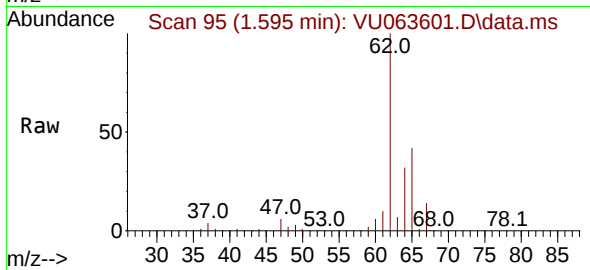




#5
 Vinyl chloride
 Concen: 21.414 ug/L
 RT: 1.595 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU063601.D
 Acq: 17 Sep 2025 11:08

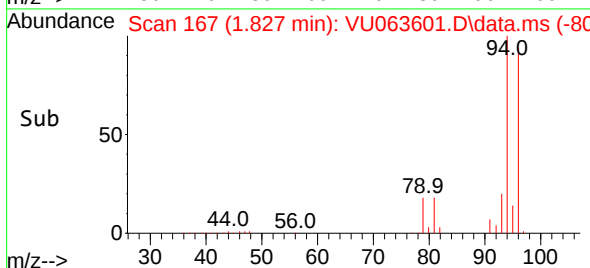
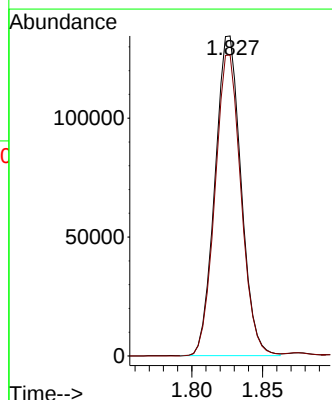
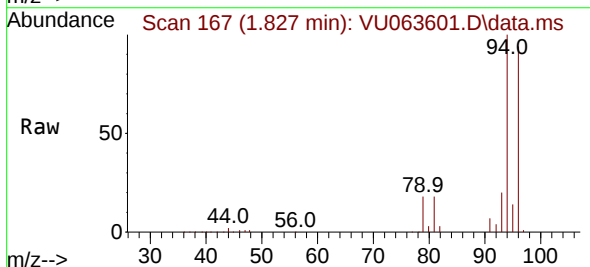
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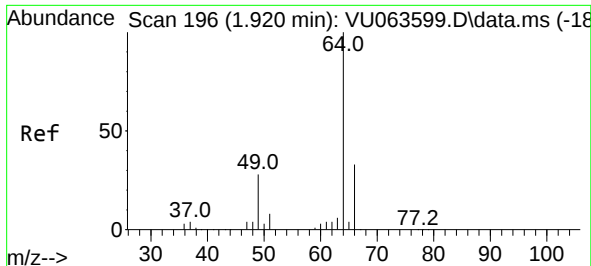
Tgt Ion: 62 Resp: 300193
 Ion Ratio Lower Upper
 62 100
 64 31.9 21.5 39.9



#6
 Bromomethane
 Concen: 20.788 ug/L
 RT: 1.827 min Scan# 167
 Delta R.T. -0.019 min
 Lab File: VU063601.D
 Acq: 17 Sep 2025 11:08

Tgt Ion: 94 Resp: 172180
 Ion Ratio Lower Upper
 94 100
 96 94.1 62.4 116.0

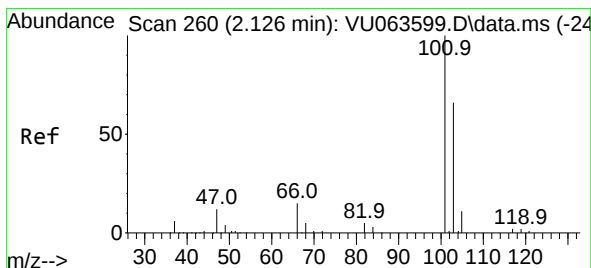
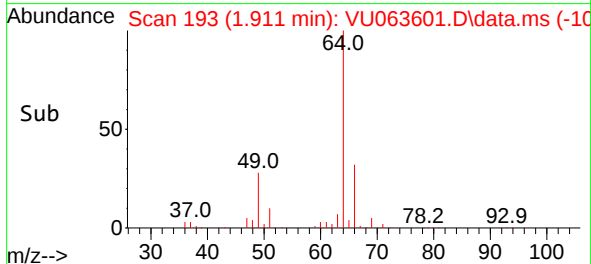
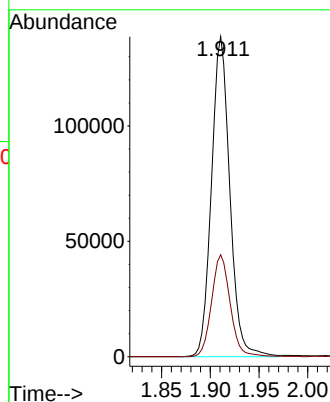
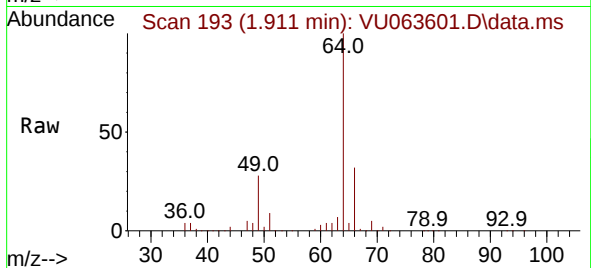




#8
Chloroethane
Concen: 21.014 ug/L
RT: 1.911 min Scan# 19
Delta R.T. -0.012 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

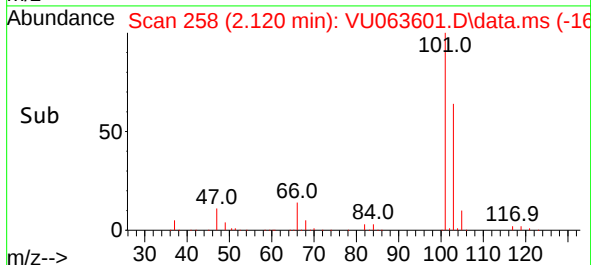
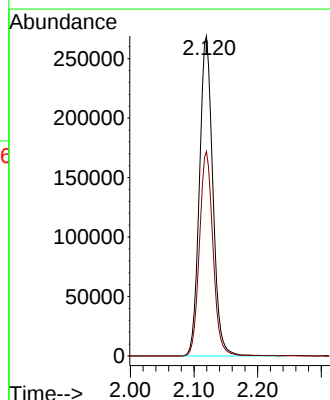
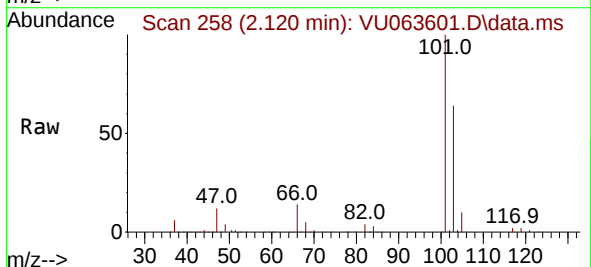
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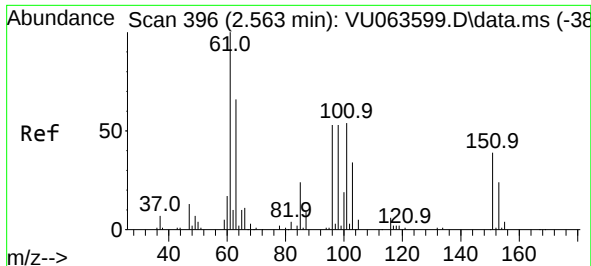
Tgt Ion: 64 Resp: 181797
Ion Ratio Lower Upper
64 100
66 31.8 23.0 42.8



#9
Trichlorofluoromethane
Concen: 21.463 ug/L
RT: 2.120 min Scan# 258
Delta R.T. -0.010 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

Tgt Ion:101 Resp: 393717
Ion Ratio Lower Upper
101 100
103 64.4 52.8 79.2

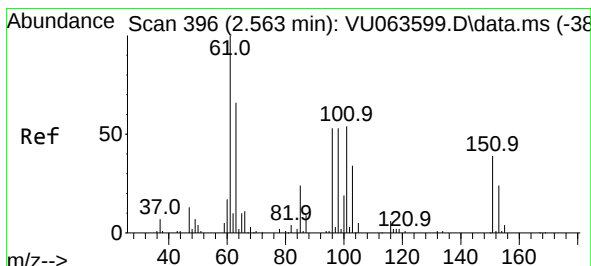
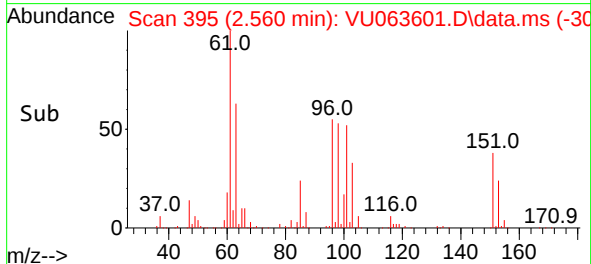
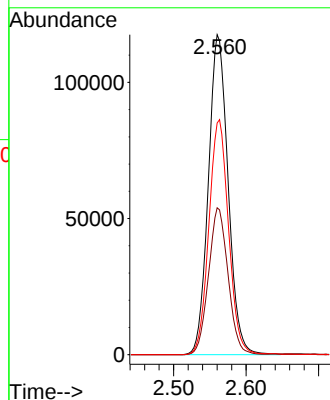
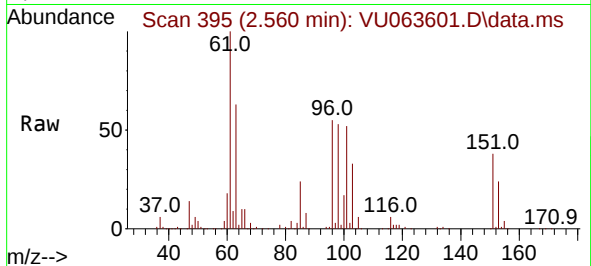




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 21.446 ug/L
 RT: 2.560 min Scan# 395
 Delta R.T. -0.010 min
 Lab File: VU063601.D
 Acq: 17 Sep 2025 11:08

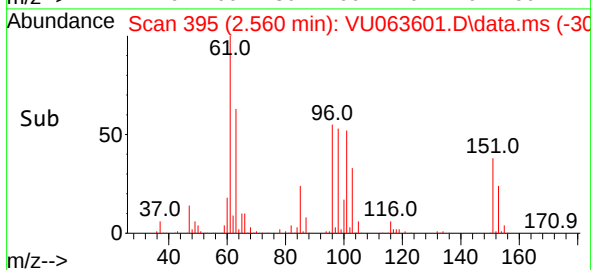
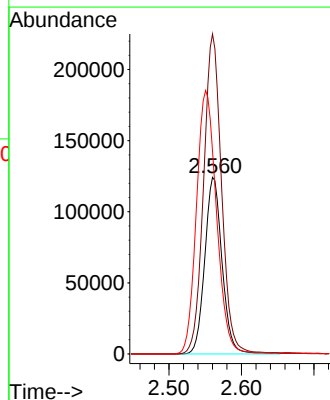
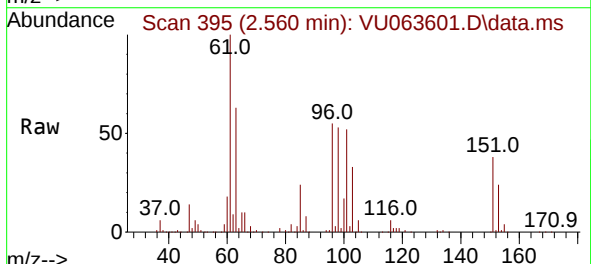
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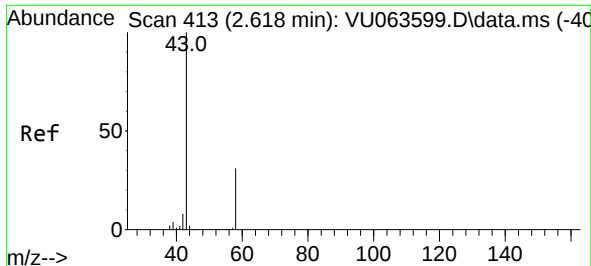
Tgt Ion:101 Resp: 222519
 Ion Ratio Lower Upper
 101 100
 85 45.4 36.4 54.6
 151 73.4 59.2 88.8



#12
 1,1-Dichloroethene
 Concen: 21.422 ug/L
 RT: 2.560 min Scan# 395
 Delta R.T. -0.010 min
 Lab File: VU063601.D
 Acq: 17 Sep 2025 11:08

Tgt Ion: 96 Resp: 206016
 Ion Ratio Lower Upper
 96 100
 61 181.2 132.4 245.8
 63 114.9 89.0 165.4





#13

Acetone

Concen: 216.538 ug/L

RT: 2.615 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

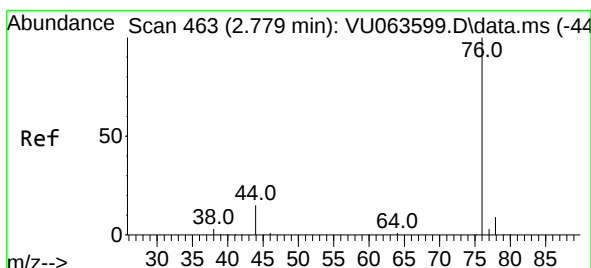
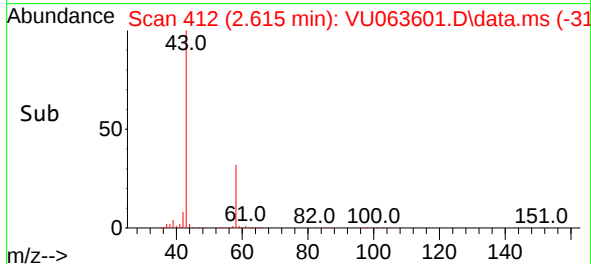
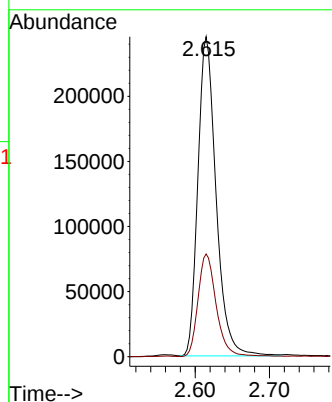
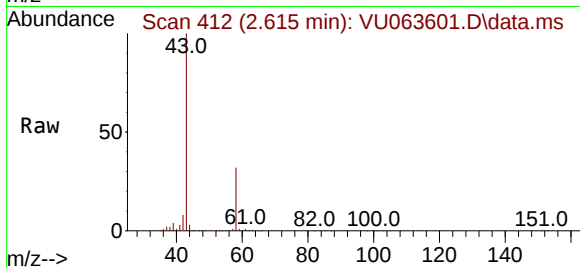
VSTD020025

Tgt Ion: 43 Resp: 418360

Ion Ratio Lower Upper

43 100

58 32.2 0.0 63.6



#14

Carbon disulfide

Concen: 23.549 ug/L

RT: 2.776 min Scan# 462

Delta R.T. -0.006 min

Lab File: VU063601.D

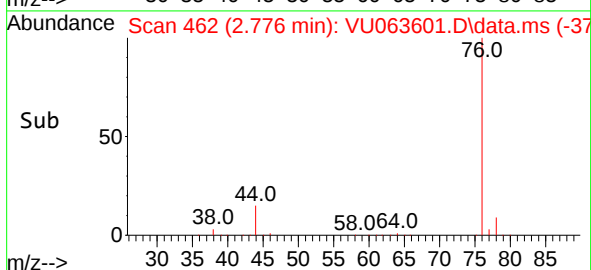
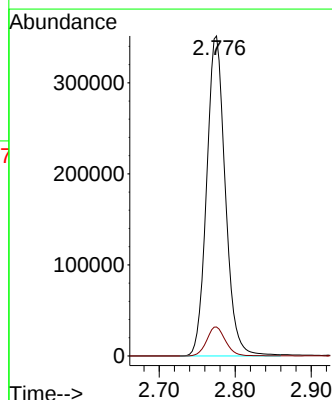
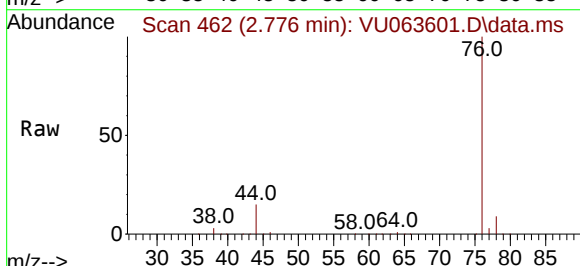
Acq: 17 Sep 2025 11:08

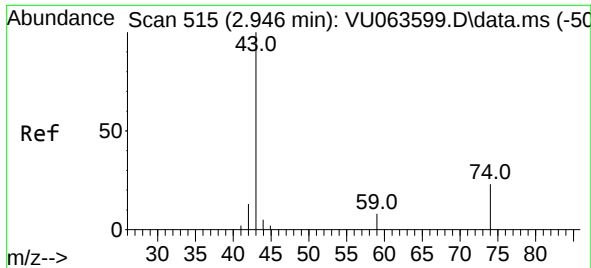
Tgt Ion: 76 Resp: 598382

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

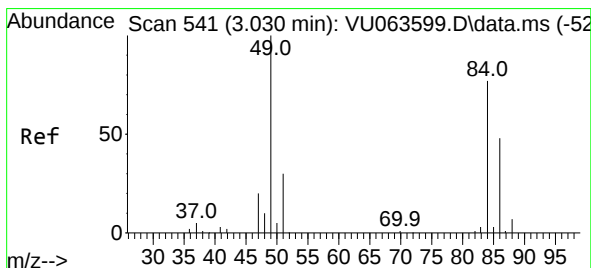
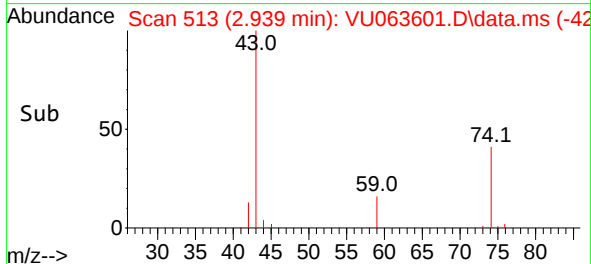
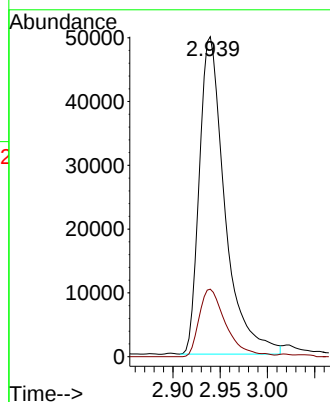
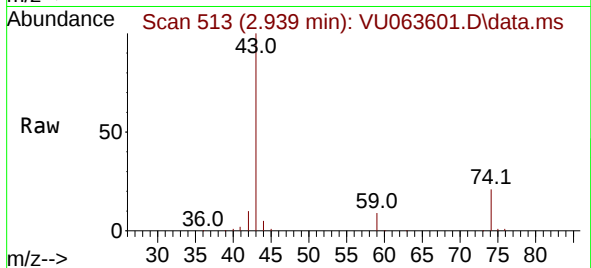




#15
Methyl Acetate
Concen: 21.369 ug/L
RT: 2.939 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

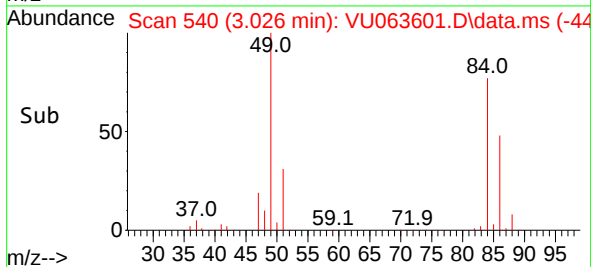
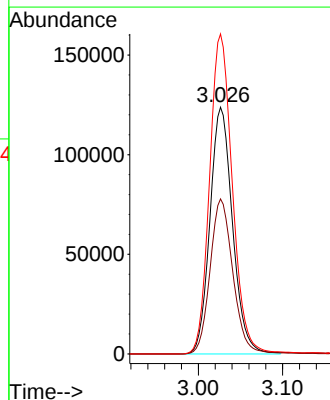
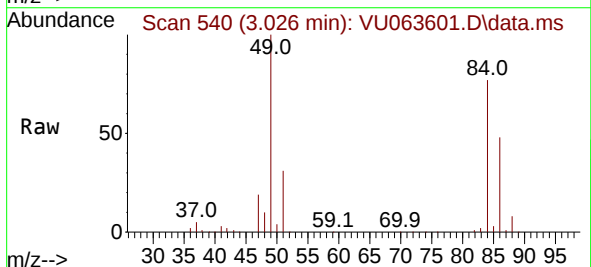
Instrument :
MSVOA_U
ClientSampleId :
VSTD020025

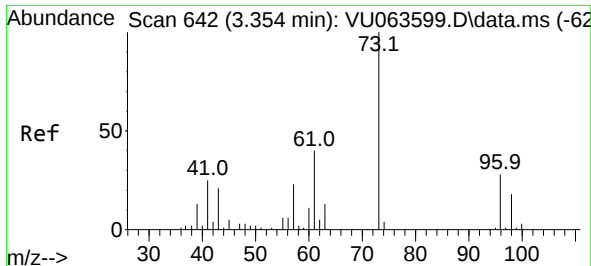
Tgt Ion: 43 Resp: 93512
Ion Ratio Lower Upper
43 100
74 22.3 18.2 27.2



#16
Methylene chloride
Concen: 20.516 ug/L
RT: 3.026 min Scan# 540
Delta R.T. -0.006 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

Tgt Ion: 84 Resp: 230908
Ion Ratio Lower Upper
84 100
86 62.8 43.1 80.1
49 129.7 90.6 168.2





#17

Methyl tert-butyl Ether

Concen: 22.592 ug/L

RT: 3.351 min Scan# 641

Delta R.T. -0.000 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD020025

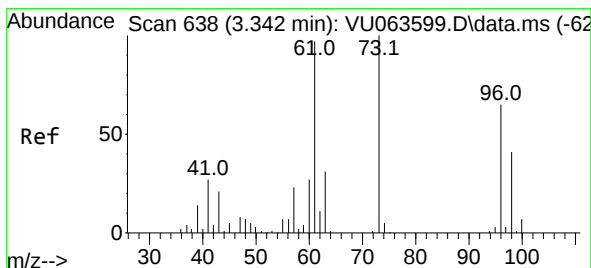
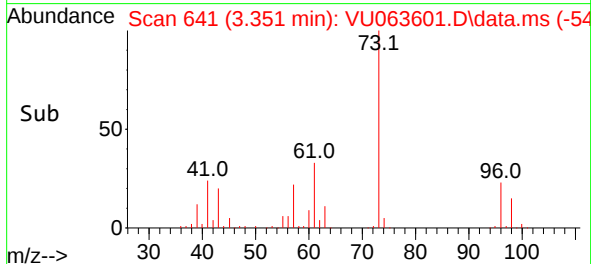
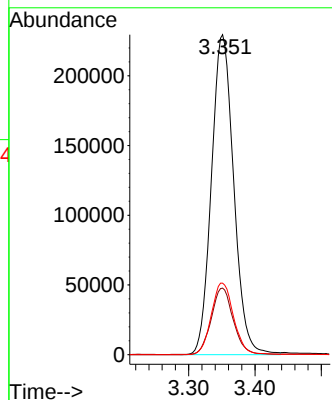
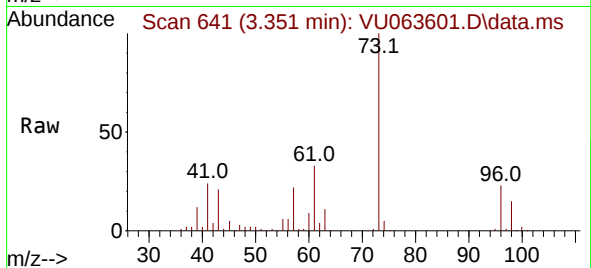
Tgt Ion: 73 Resp: 535647

Ion Ratio Lower Upper

73 100

43 20.4 17.0 25.4

57 22.4 18.2 27.2



#18

trans-1,2-Dichloroethene

Concen: 22.273 ug/L

RT: 3.335 min Scan# 636

Delta R.T. -0.006 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

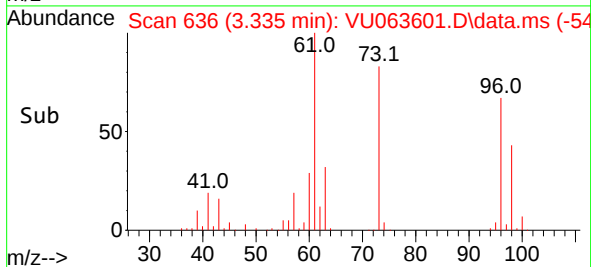
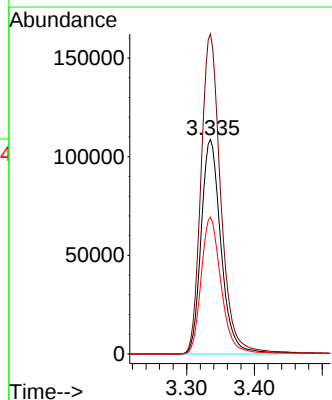
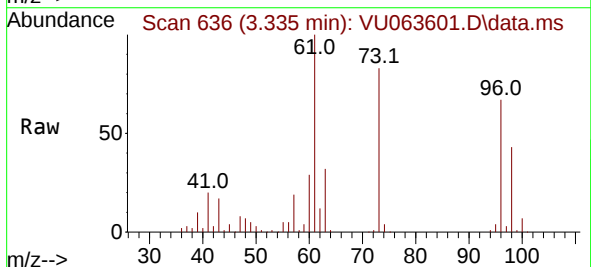
Tgt Ion: 96 Resp: 221357

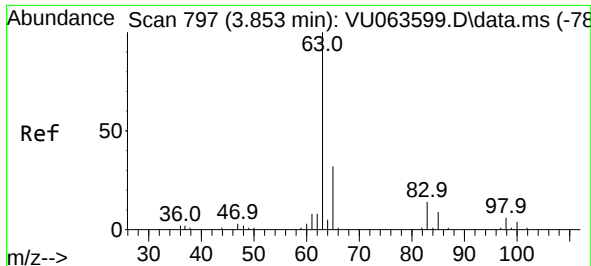
Ion Ratio Lower Upper

96 100

61 149.2 104.9 194.7

98 63.8 44.3 82.3

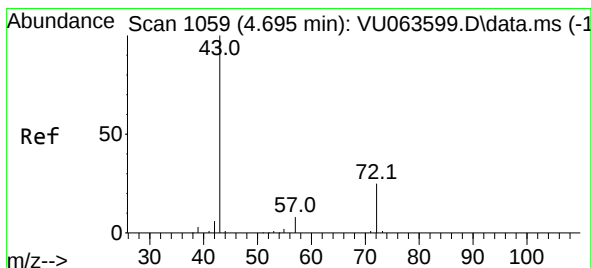
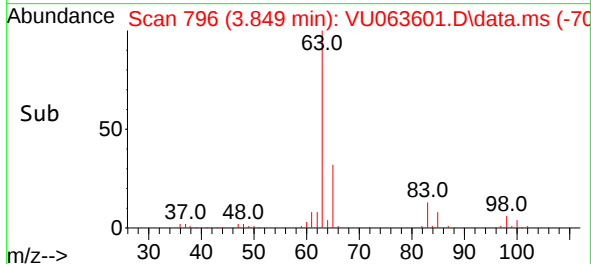
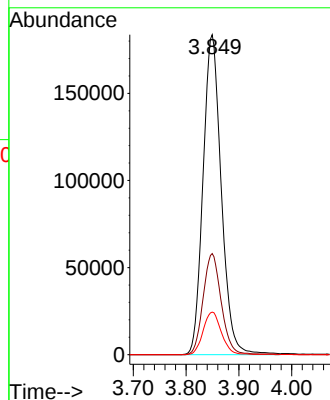
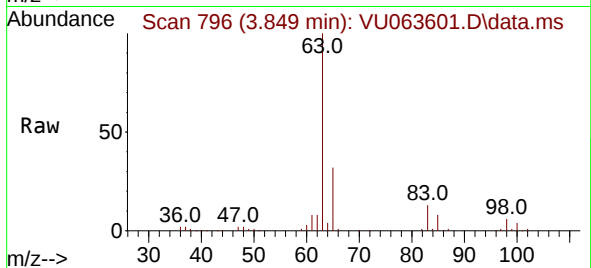




#19
1,1-Dichloroethane
Concen: 21.752 ug/L
RT: 3.849 min Scan# 797
Delta R.T. -0.006 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

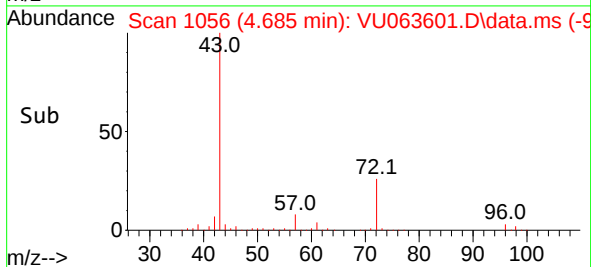
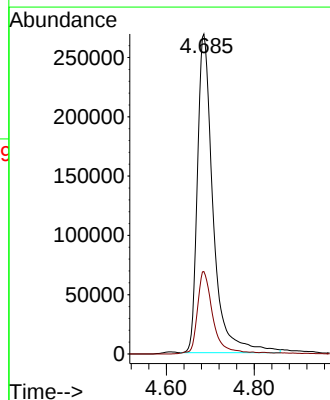
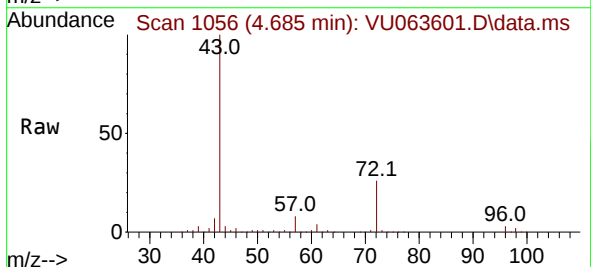
Instrument :
MSVOA_U
ClientSampleId :
VSTD020025

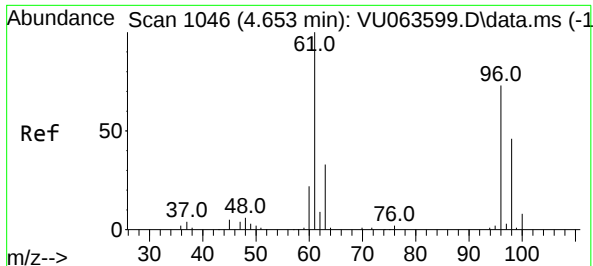
Tgt Ion: 63 Resp: 440318
Ion Ratio Lower Upper
63 100
65 31.6 22.1 41.1
83 13.3 9.7 17.9



#21
2-Butanone
Concen: 254.563 ug/L
RT: 4.685 min Scan# 1056
Delta R.T. -0.003 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

Tgt Ion: 43 Resp: 666428
Ion Ratio Lower Upper
43 100
72 25.5 11.9 35.7

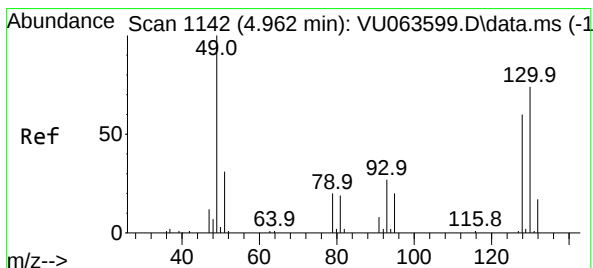
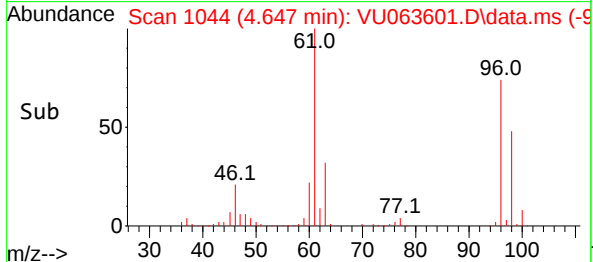
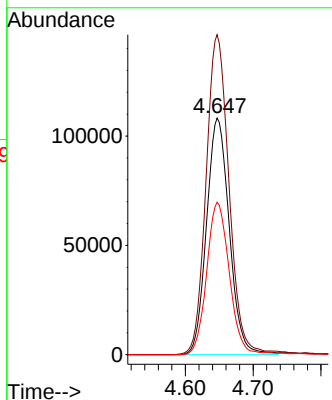
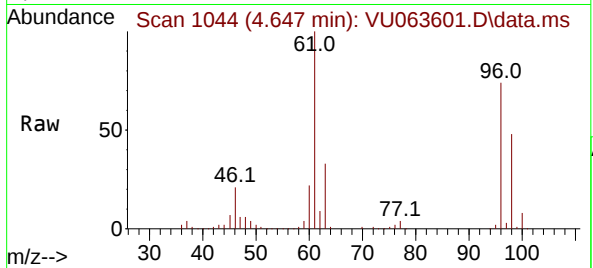




#22
 cis-1,2-Dichloroethene
 Concen: 22.377 ug/L
 RT: 4.647 min Scan# 1044
 Delta R.T. -0.010 min
 Lab File: VU063601.D
 Acq: 17 Sep 2025 11:08

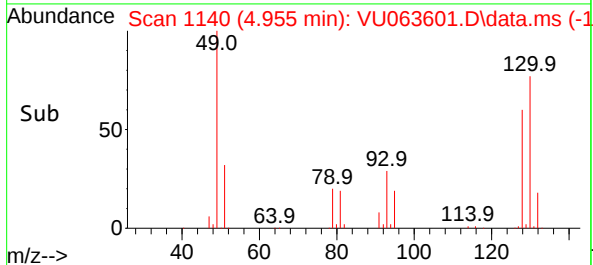
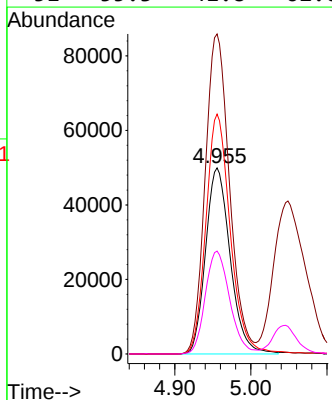
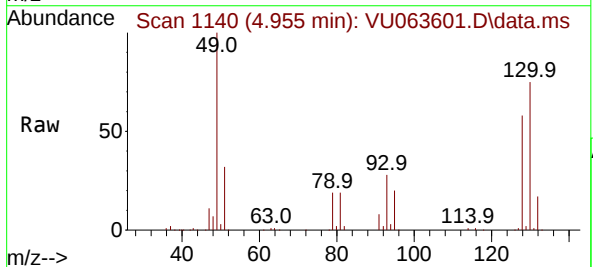
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020025

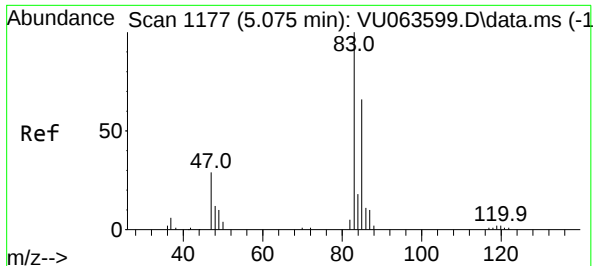
Tgt Ion: 96 Resp: 252908
 Ion Ratio Lower Upper
 96 100
 61 135.2 95.8 177.8
 98 64.4 43.5 80.9



#23
 Bromochloromethane
 Concen: 22.428 ug/L
 RT: 4.955 min Scan# 1140
 Delta R.T. -0.010 min
 Lab File: VU063601.D
 Acq: 17 Sep 2025 11:08

Tgt Ion:128 Resp: 112280
 Ion Ratio Lower Upper
 128 100
 49 172.0 118.4 219.8
 130 128.9 87.6 162.6
 51 55.3 41.8 62.6





#25

Chloroform

Concen: 21.577 ug/L

RT: 5.068 min Scan# 1175

Delta R.T. -0.006 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

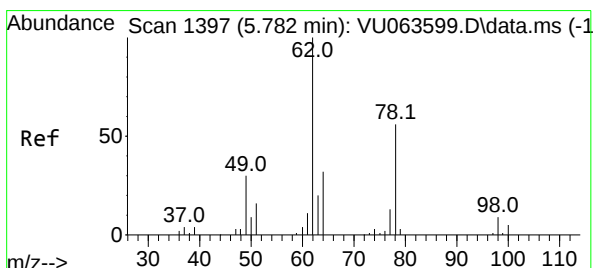
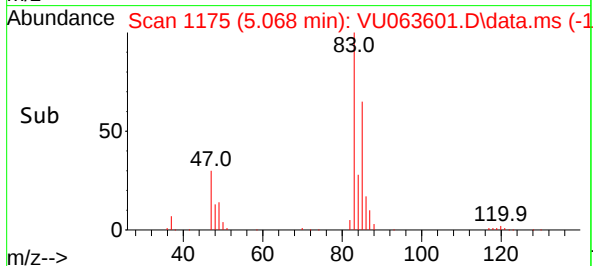
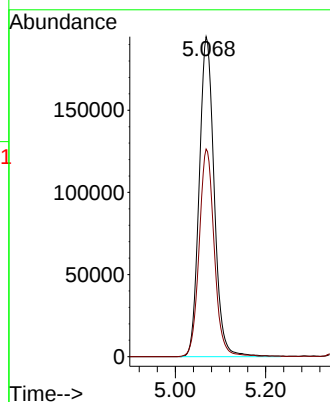
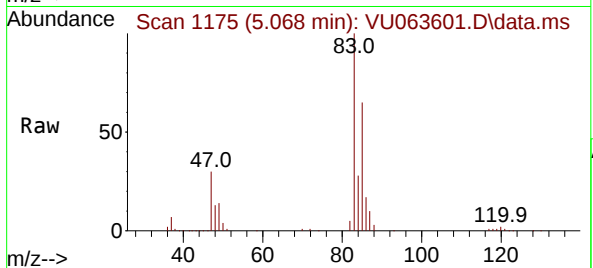
VSTD020025

Tgt Ion: 83 Resp: 447712

Ion Ratio Lower Upper

83 100

85 64.9 46.1 85.5



#27

1,2-Dichloroethane

Concen: 21.718 ug/L

RT: 5.775 min Scan# 1395

Delta R.T. -0.006 min

Lab File: VU063601.D

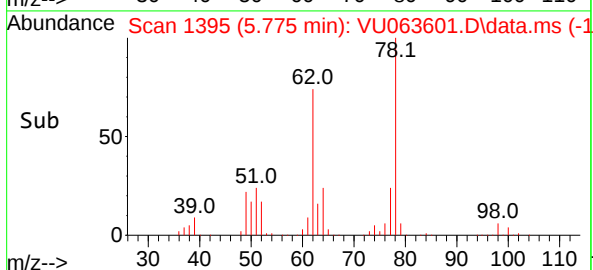
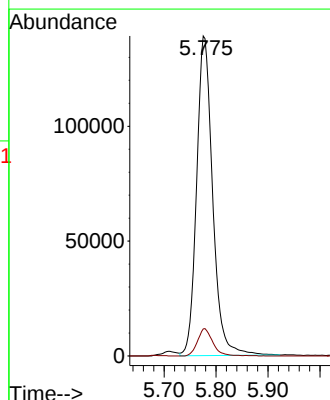
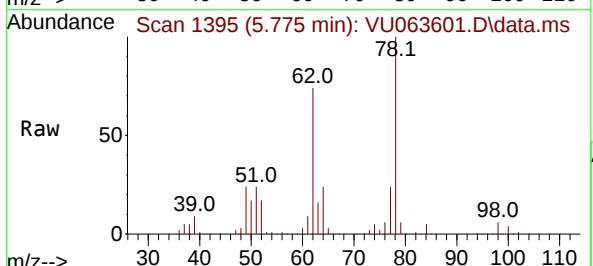
Acq: 17 Sep 2025 11:08

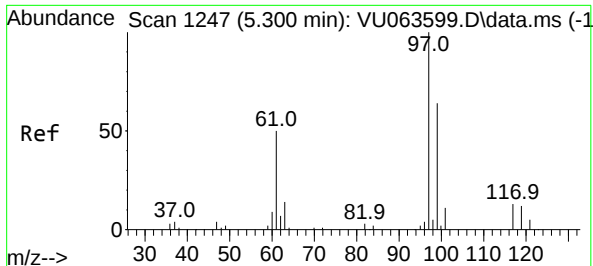
Tgt Ion: 62 Resp: 298669

Ion Ratio Lower Upper

62 100

98 8.5 7.0 10.4

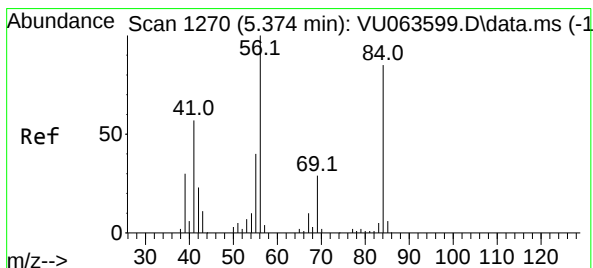
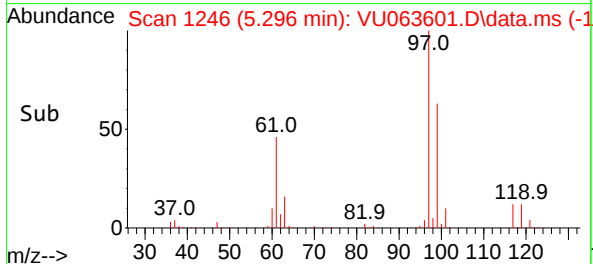
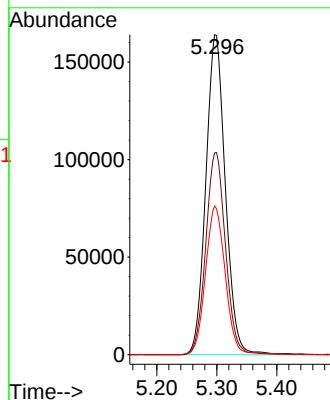
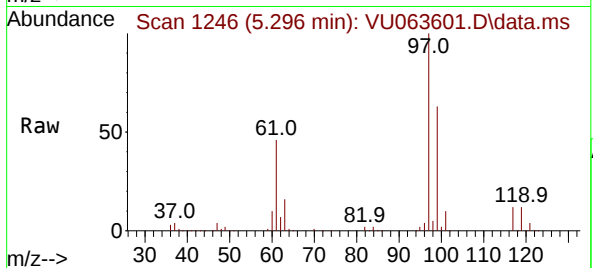




#29
1,1,1-Trichloroethane
Concen: 22.851 ug/L
RT: 5.296 min Scan# 1246
Delta R.T. -0.006 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

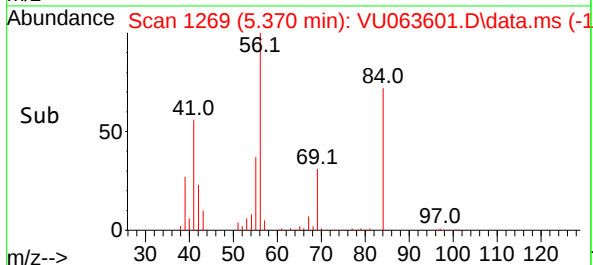
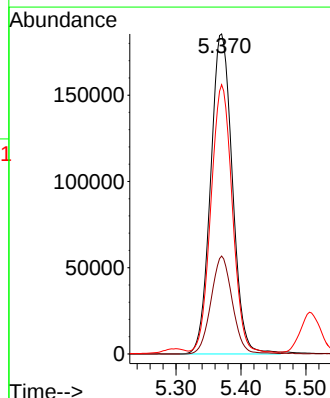
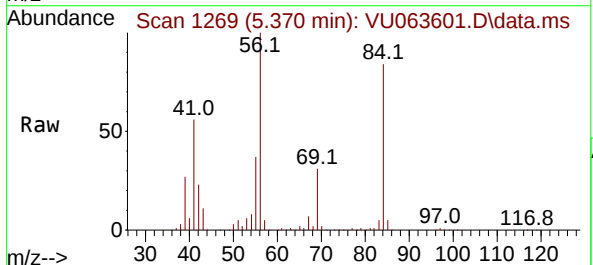
Instrument :
MSVOA_U
ClientSampleId :
VSTD020025

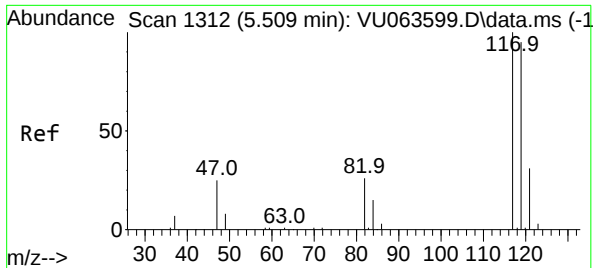
Tgt Ion: 97 Resp: 371306
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.6
61 47.2 39.9 59.9



#30
Cyclohexane
Concen: 22.526 ug/L
RT: 5.370 min Scan# 1269
Delta R.T. -0.006 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

Tgt Ion: 56 Resp: 431788
Ion Ratio Lower Upper
56 100
69 29.9 23.2 34.8
84 82.8 65.0 97.4

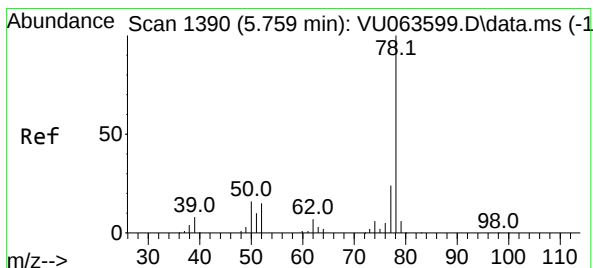
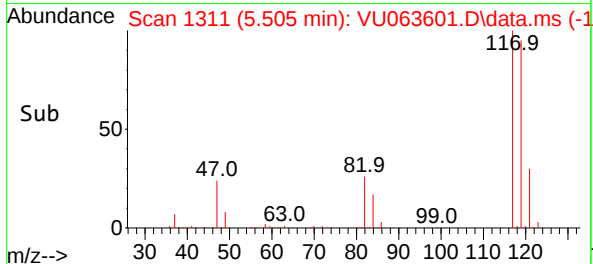
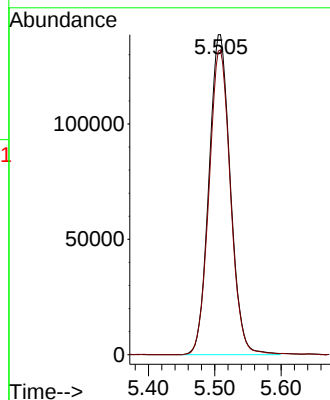
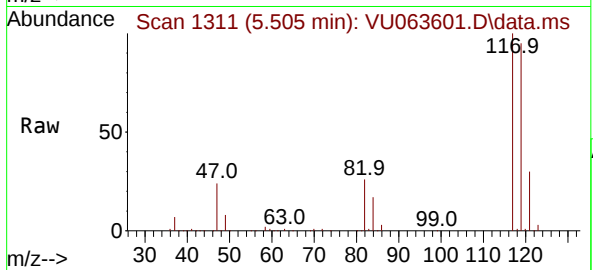




#31
Carbon tetrachloride
Concen: 24.442 ug/L
RT: 5.505 min Scan# 111
Delta R.T. -0.006 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

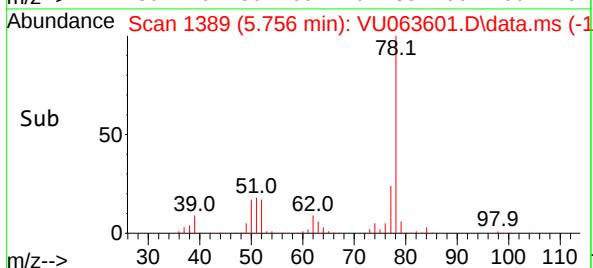
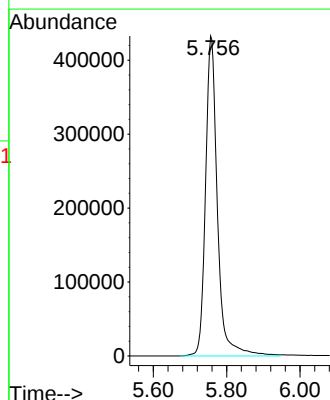
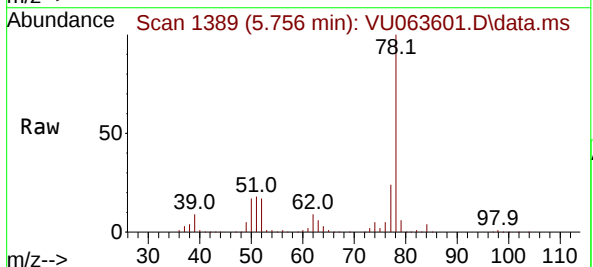
Instrument :
MSVOA_U
ClientSampleId :
VSTD020025

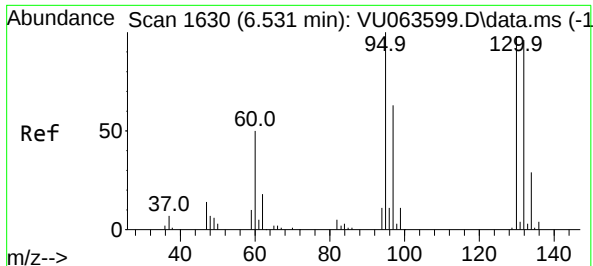
Tgt Ion:117 Resp: 310959
Ion Ratio Lower Upper
117 100
119 95.2 76.8 115.2



#33
Benzene
Concen: 21.896 ug/L
RT: 5.756 min Scan# 1389
Delta R.T. -0.006 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

Tgt Ion: 78 Resp: 970292

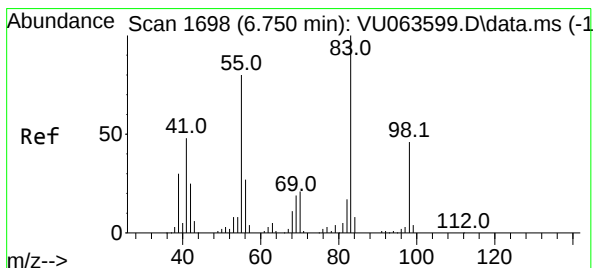
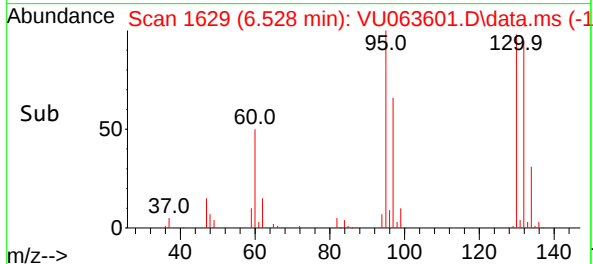
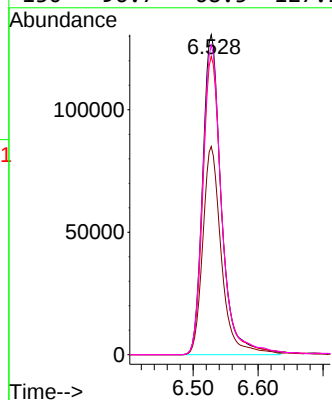
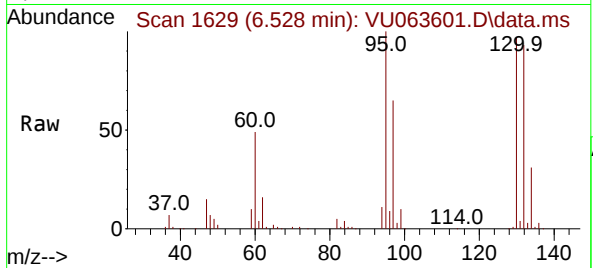




#34
Trichloroethene
Concen: 21.604 ug/L
RT: 6.528 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

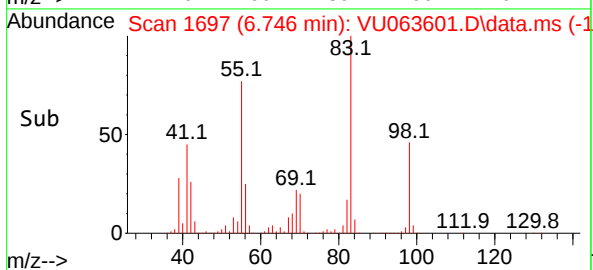
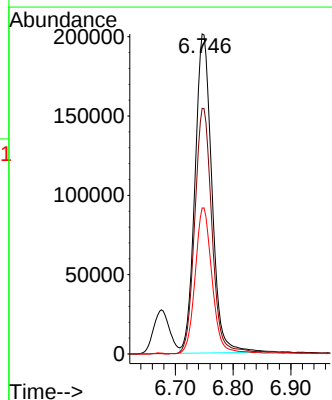
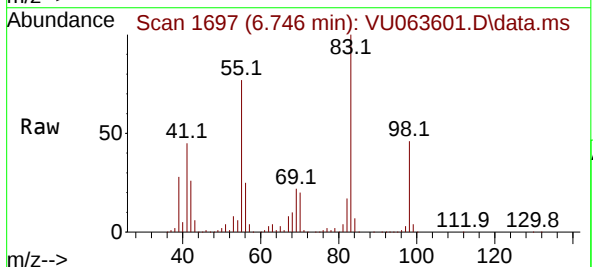
Instrument :
MSVOA_U
ClientSampleId :
VSTD020025

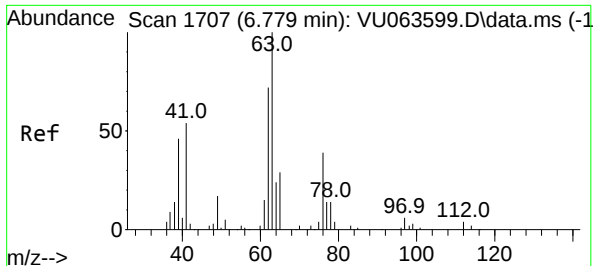
Tgt Ion: 95 Resp: 262556
Ion Ratio Lower Upper
95 100
97 65.0 44.0 81.6
132 93.2 67.1 124.5
130 96.7 68.5 127.1



#35
Methylcyclohexane
Concen: 22.080 ug/L
RT: 6.746 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

Tgt Ion: 83 Resp: 409321
Ion Ratio Lower Upper
83 100
55 78.2 63.9 95.9
98 45.5 36.2 54.2





#37

1,2-Dichloropropane

Concen: 21.738 ug/L

RT: 6.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

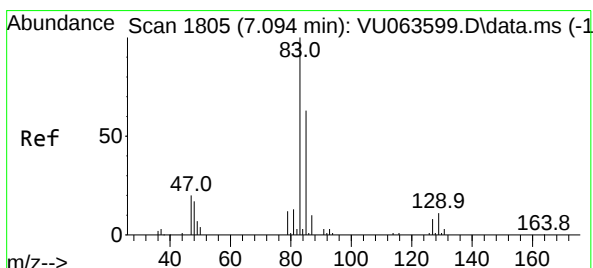
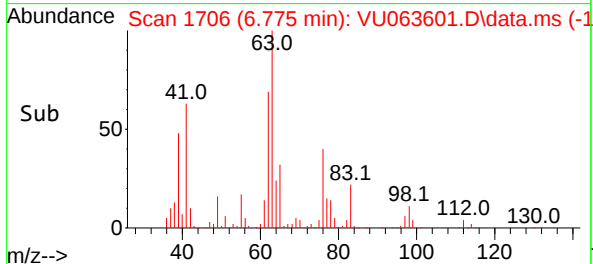
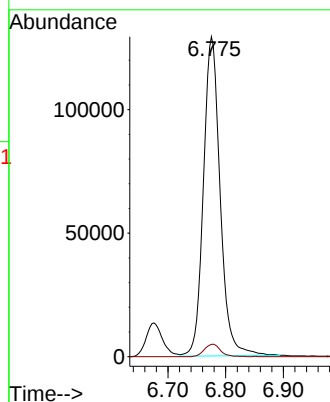
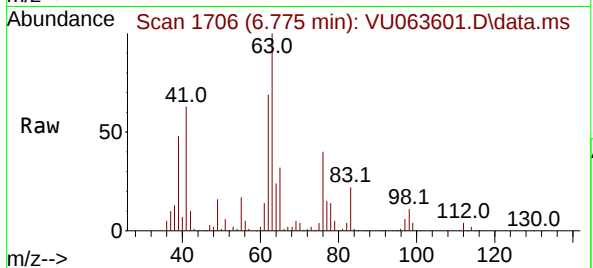
VSTD020025

Tgt Ion: 63 Resp: 260951

Ion Ratio Lower Upper

63 100

112 3.8 2.8 4.2



#38

Bromodichloromethane

Concen: 23.084 ug/L

RT: 7.090 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

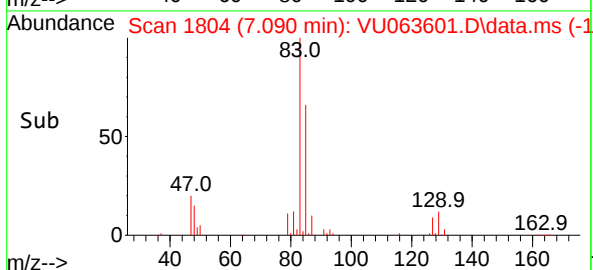
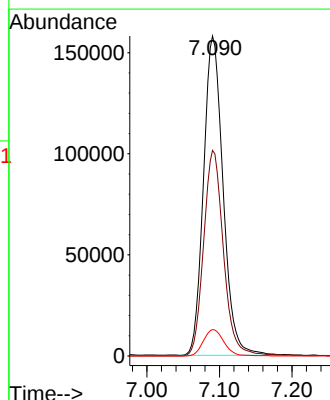
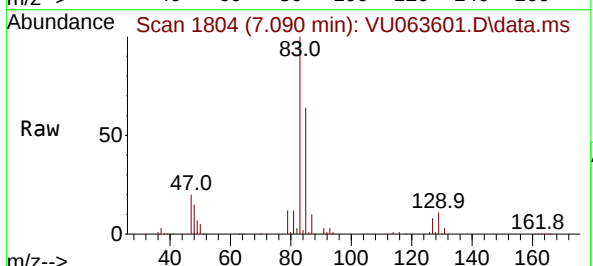
Tgt Ion: 83 Resp: 296376

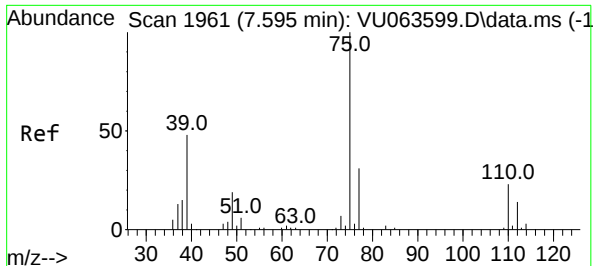
Ion Ratio Lower Upper

83 100

85 64.3 44.4 82.4

127 8.3 6.2 9.2

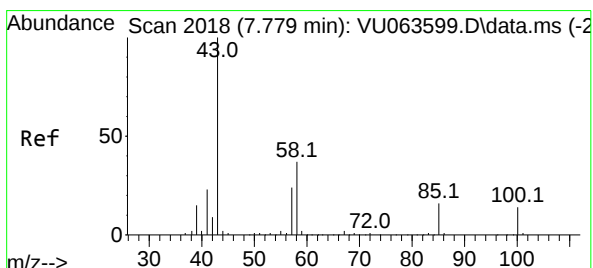
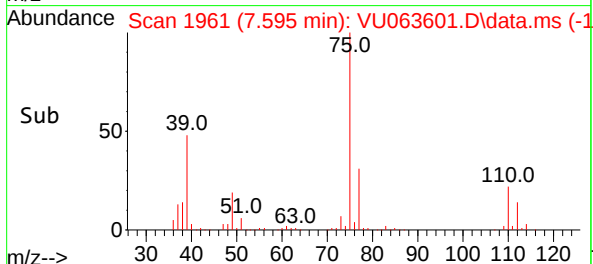
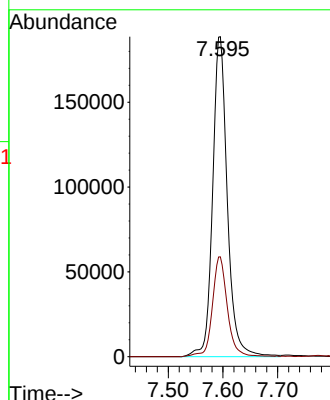
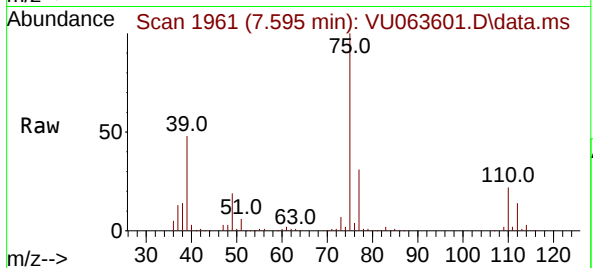




#39
 cis-1,3-Dichloropropene
 Concen: 25.852 ug/L
 RT: 7.595 min Scan# 1961
 Delta R.T. -0.003 min
 Lab File: VU063601.D
 Acq: 17 Sep 2025 11:08

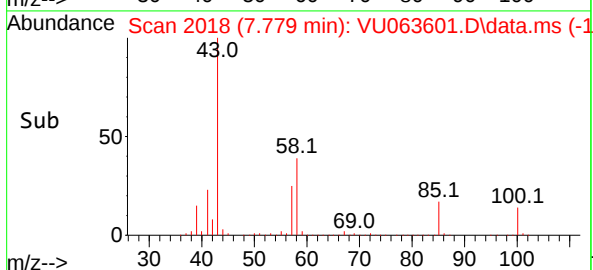
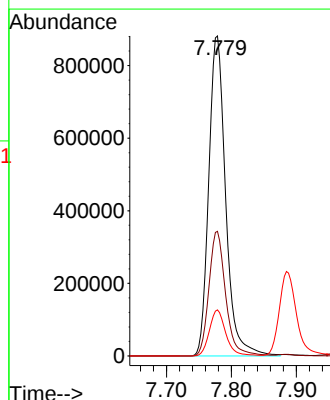
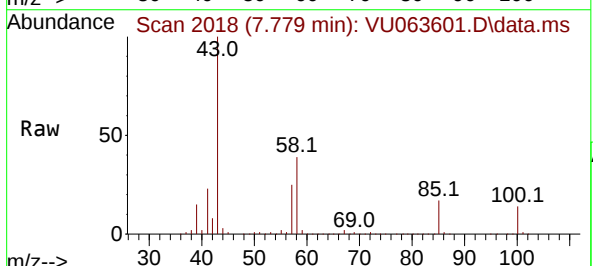
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020025

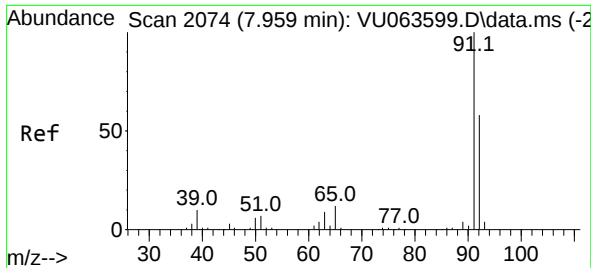
Tgt Ion: 75 Resp: 351941
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 232.315 ug/L
 RT: 7.779 min Scan# 2018
 Delta R.T. -0.000 min
 Lab File: VU063601.D
 Acq: 17 Sep 2025 11:08

Tgt Ion: 43 Resp: 1596189
 Ion Ratio Lower Upper
 43 100
 58 38.6 29.6 44.4
 100 14.0 10.6 16.0





#42

Toluene

Concen: 22.474 ug/L

RT: 7.955 min Scan# 2074

Delta R.T. -0.006 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

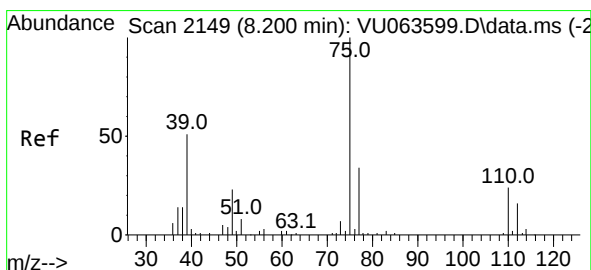
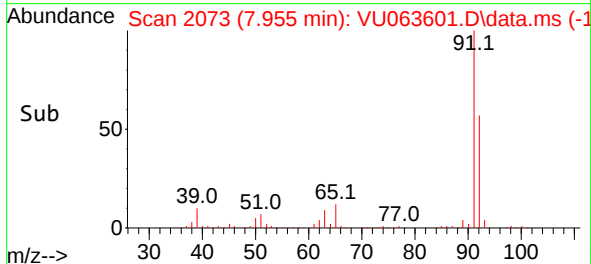
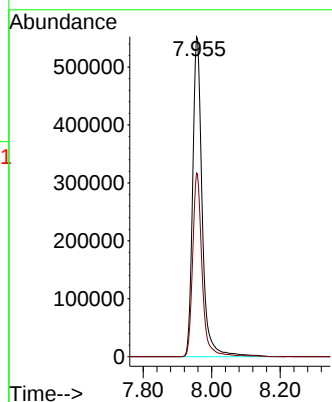
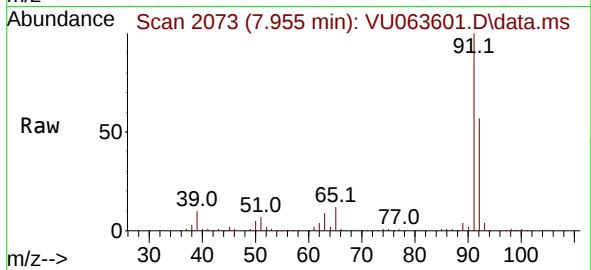
VSTD020025

Tgt Ion: 91 Resp: 1068120

Ion Ratio Lower Upper

91 100

92 57.4 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 25.942 ug/L

RT: 8.197 min Scan# 2148

Delta R.T. -0.006 min

Lab File: VU063601.D

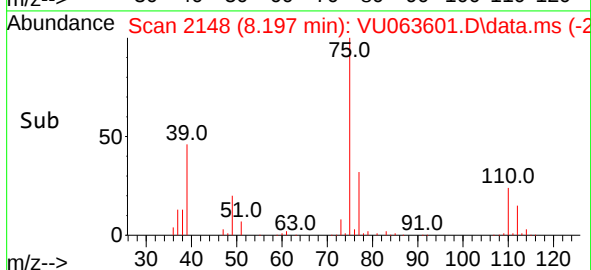
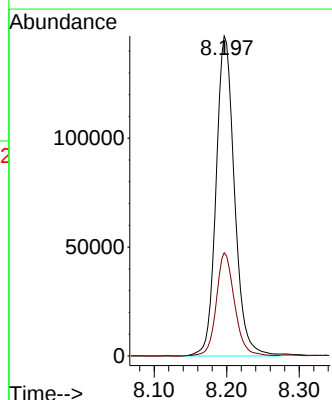
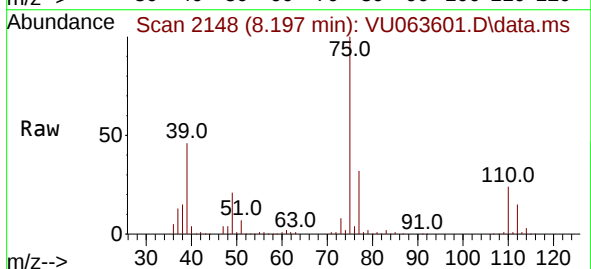
Acq: 17 Sep 2025 11:08

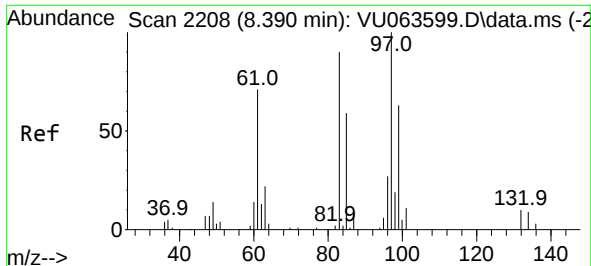
Tgt Ion: 75 Resp: 259460

Ion Ratio Lower Upper

75 100

77 32.2 23.7 44.1





#45

1,1,2-Trichloroethane

Concen: 22.058 ug/L

RT: 8.386 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD020025

Tgt Ion: 97 Resp: 181280

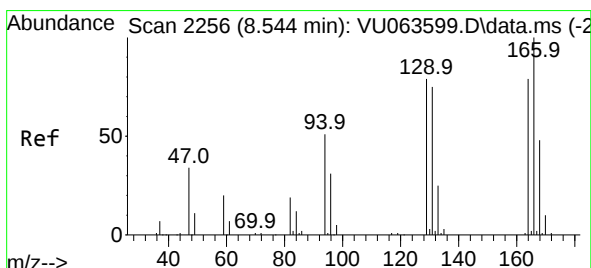
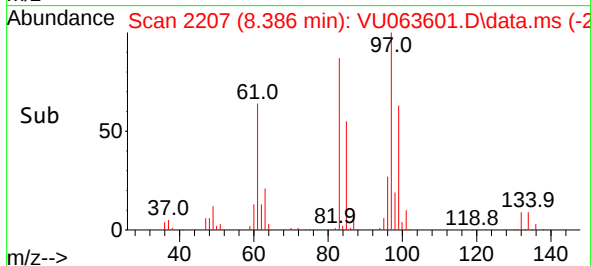
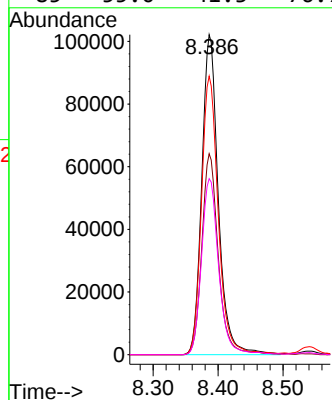
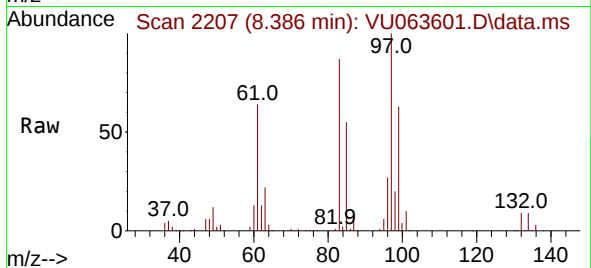
Ion Ratio Lower Upper

97 100

99 62.8 44.0 81.6

83 87.1 63.1 117.3

85 55.0 41.3 76.7



#47

Tetrachloroethene

Concen: 21.537 ug/L

RT: 8.541 min Scan# 2255

Delta R.T. -0.003 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

Tgt Ion:164 Resp: 199822

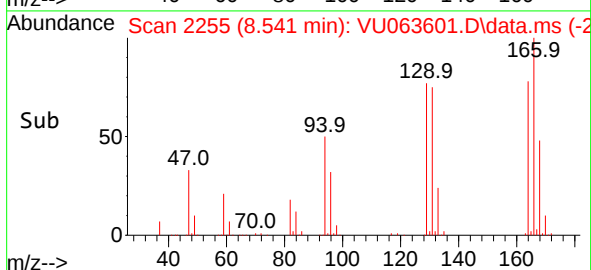
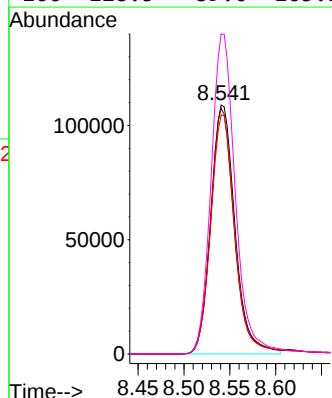
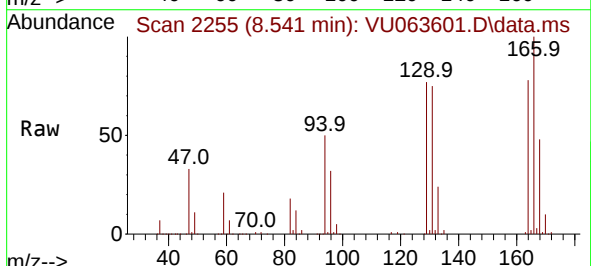
Ion Ratio Lower Upper

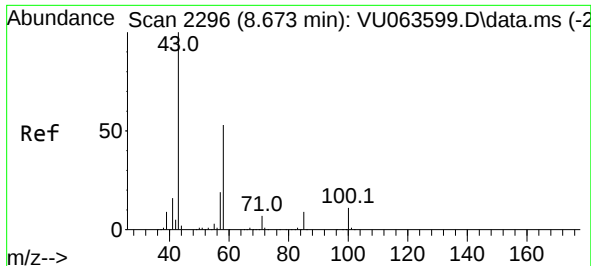
164 100

129 98.7 70.0 130.0

131 96.1 67.1 124.5

166 128.5 89.0 165.2

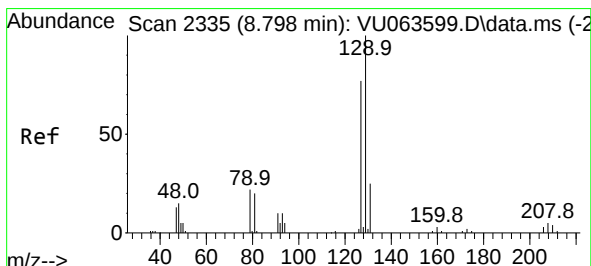
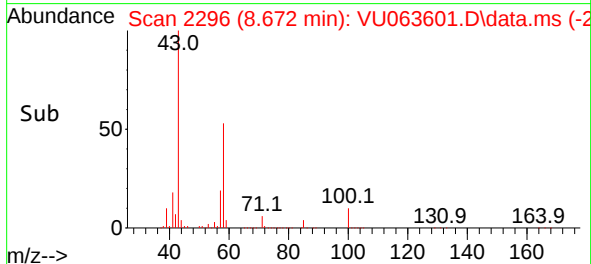
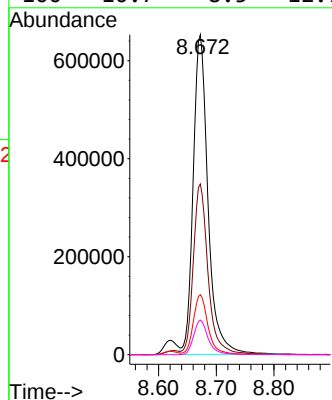
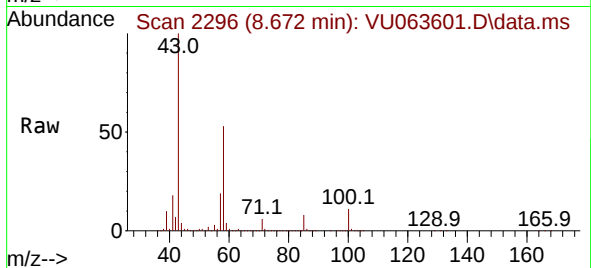




#48
2-Hexanone
Concen: 249.358 ug/L
RT: 8.672 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

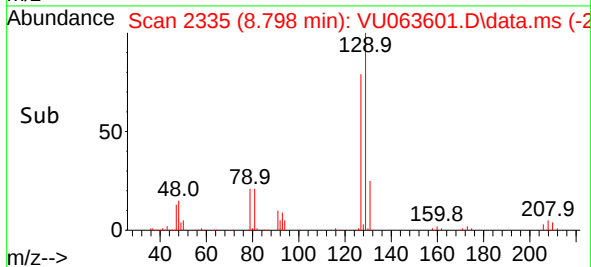
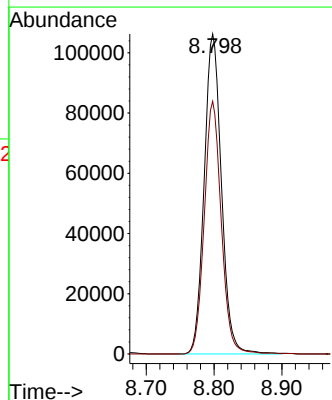
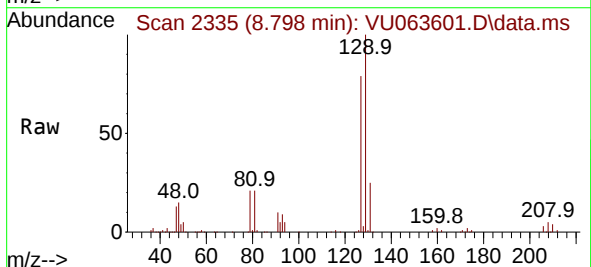
Instrument :
MSVOA_U
ClientSampleId :
VSTD020025

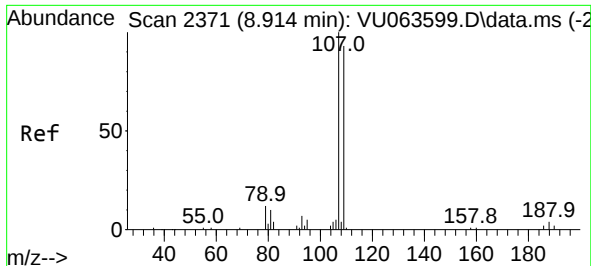
Tgt Ion: 43 Resp: 1164771
Ion Ratio Lower Upper
43 100
58 53.3 42.2 63.2
57 18.7 15.0 22.4
100 10.7 8.5 12.7



#49
Dibromochloromethane
Concen: 24.996 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

Tgt Ion: 129 Resp: 187806
Ion Ratio Lower Upper
129 100
127 79.0 54.3 100.8





#50

1,2-Dibromoethane

Concen: 22.870 ug/L

RT: 8.910 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD020025

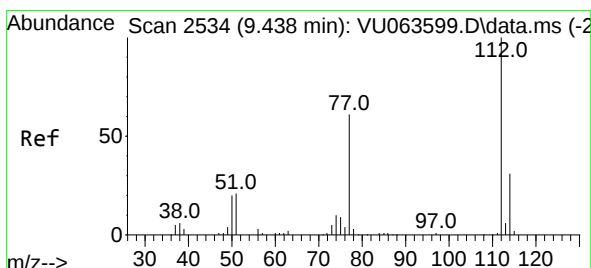
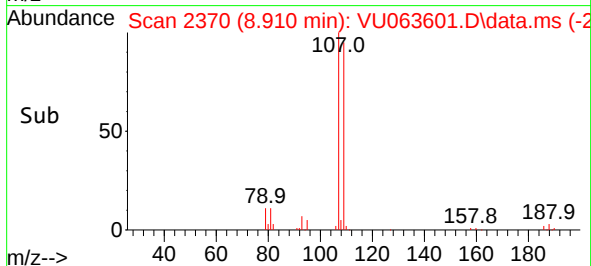
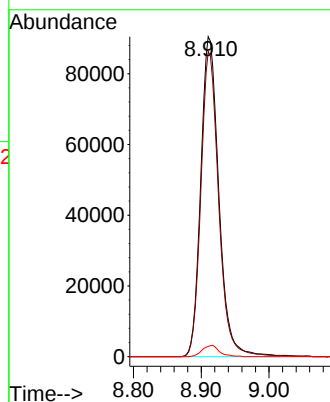
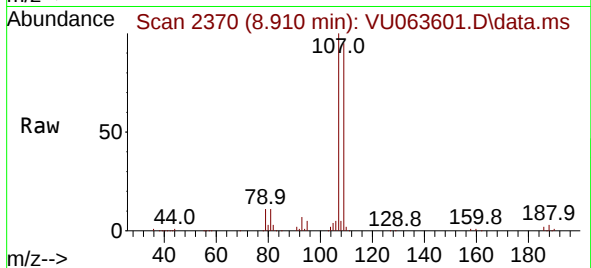
Tgt Ion:107 Resp: 167668

Ion Ratio Lower Upper

107 100

109 95.3 65.4 121.4

188 3.2 2.8 4.2



#51

Chlorobenzene

Concen: 21.827 ug/L

RT: 9.434 min Scan# 2533

Delta R.T. -0.003 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

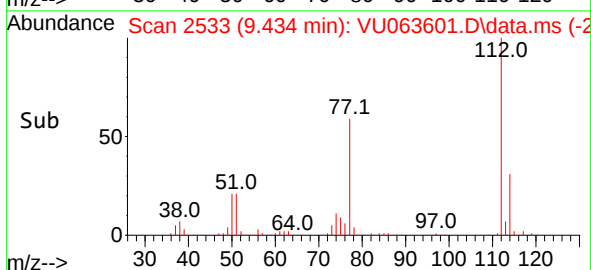
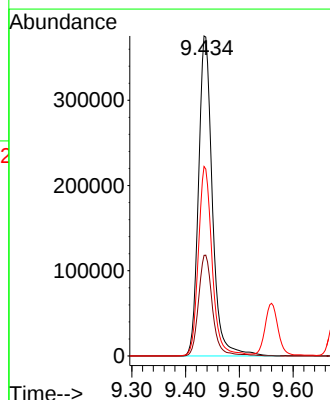
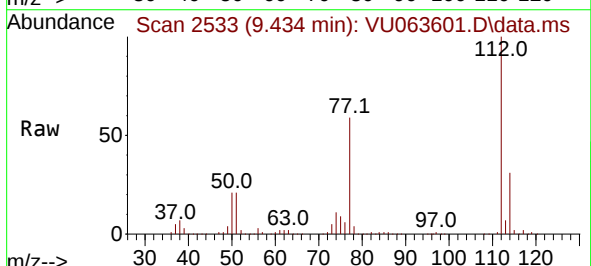
Tgt Ion:112 Resp: 671816

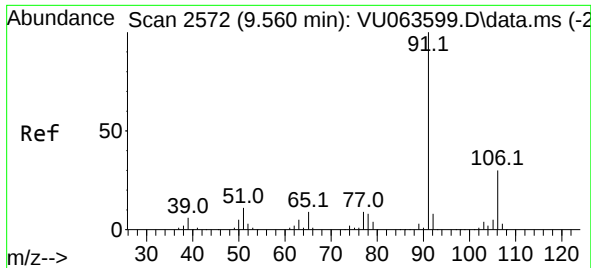
Ion Ratio Lower Upper

112 100

114 31.4 22.0 41.0

77 59.2 48.9 73.3

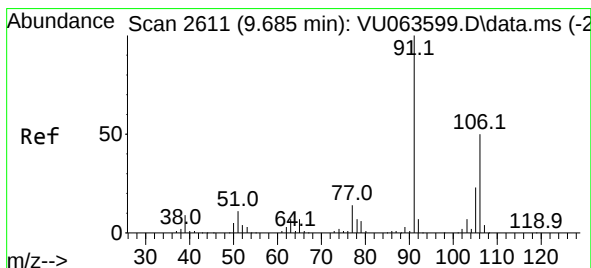
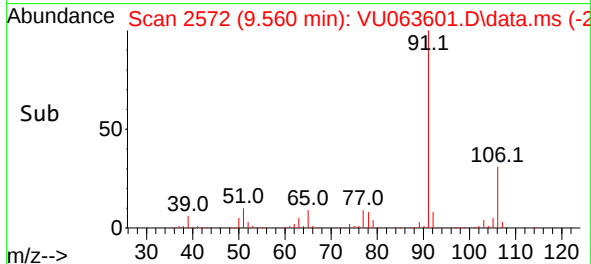
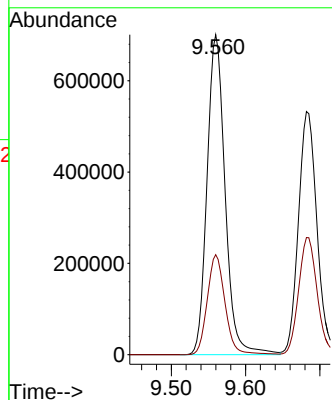
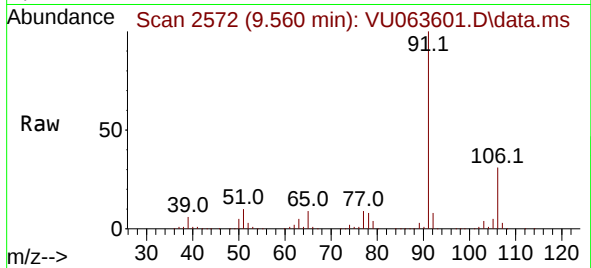




#52
Ethylbenzene
Concen: 22.593 ug/L
RT: 9.560 min Scan# 211
Delta R.T. -0.003 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

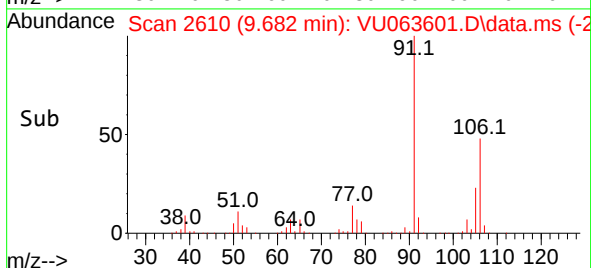
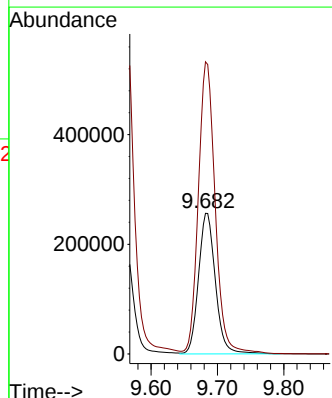
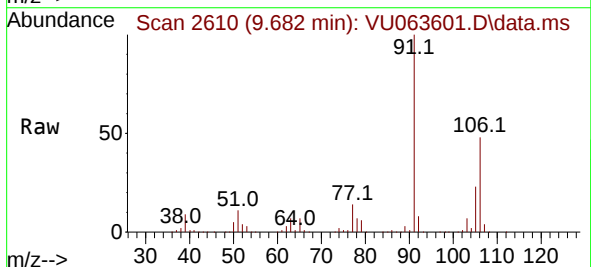
Instrument :
MSVOA_U
ClientSampleId :
VSTD020025

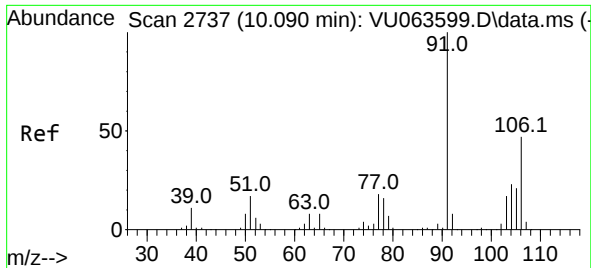
Tgt Ion: 91 Resp: 1181922
Ion Ratio Lower Upper
91 100
106 31.3 21.2 39.4



#53
m,p-Xylene
Concen: 23.059 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.003 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

Tgt Ion:106 Resp: 452546
Ion Ratio Lower Upper
106 100
91 207.7 141.5 262.7

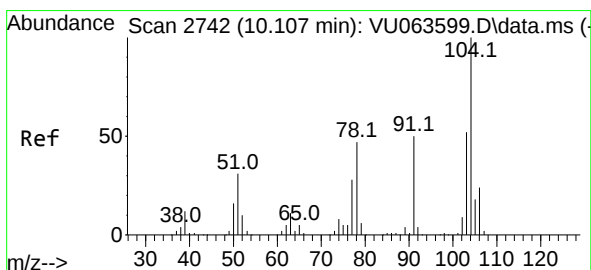
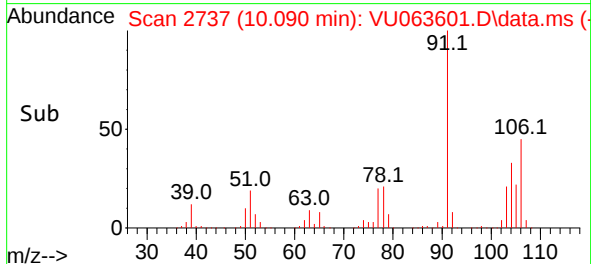
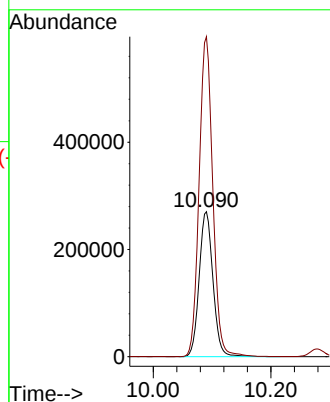
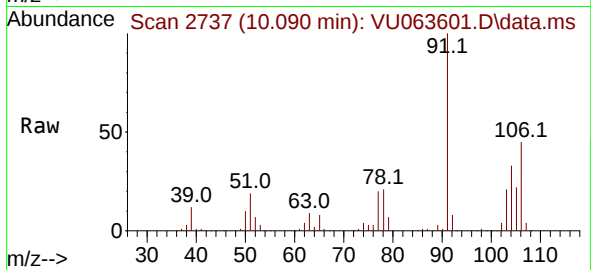




#54
o-Xylene
Concen: 23.142 ug/L
RT: 10.090 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

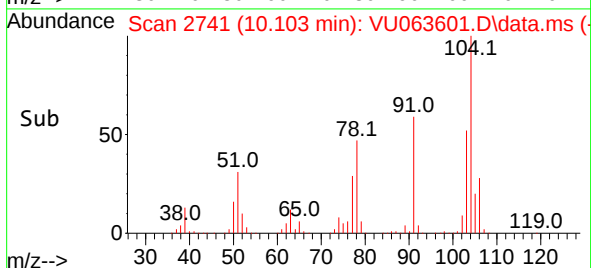
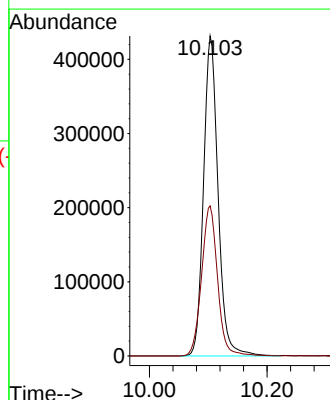
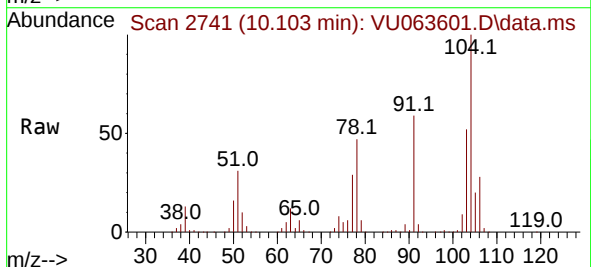
Instrument :
MSVOA_U
ClientSampleId :
VSTD020025

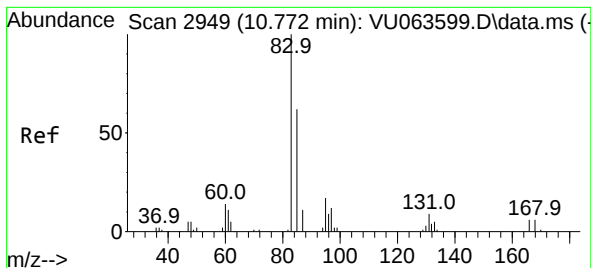
Tgt Ion:106 Resp: 439508
Ion Ratio Lower Upper
106 100
91 220.8 149.4 277.4



#55
Styrene
Concen: 23.749 ug/L
RT: 10.103 min Scan# 2741
Delta R.T. -0.003 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

Tgt Ion:104 Resp: 739907
Ion Ratio Lower Upper
104 100
78 46.9 32.8 61.0

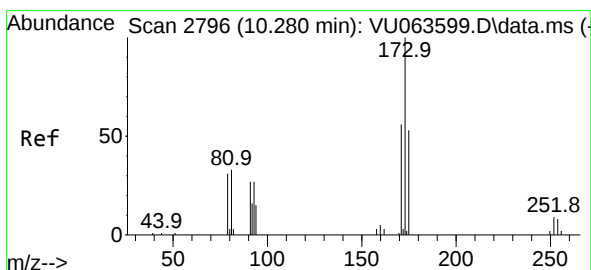
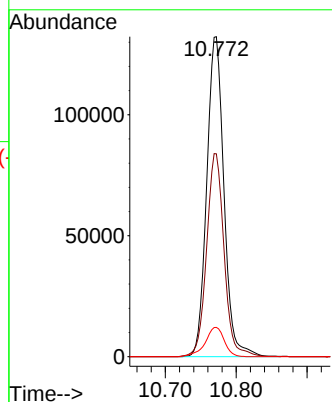
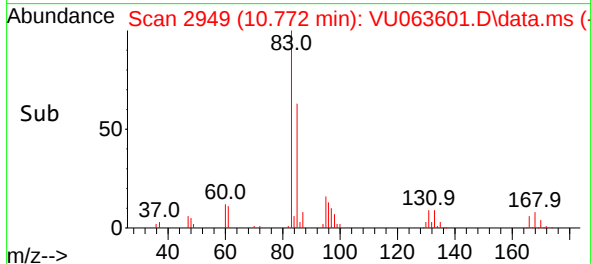
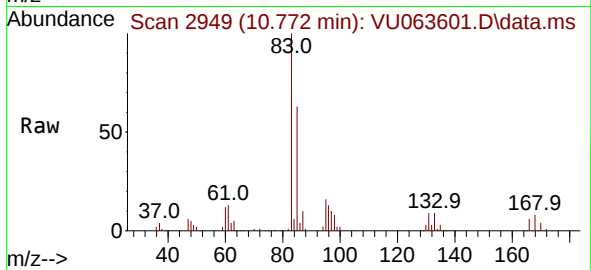




#57
1,1,2,2-Tetrachloroethane
Concen: 22.726 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

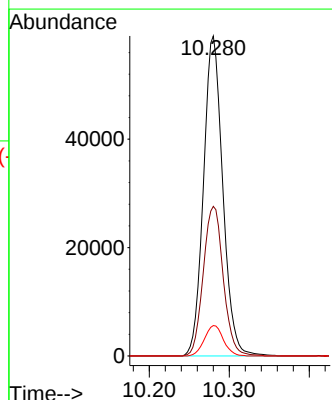
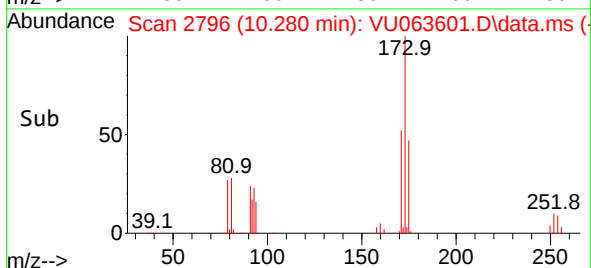
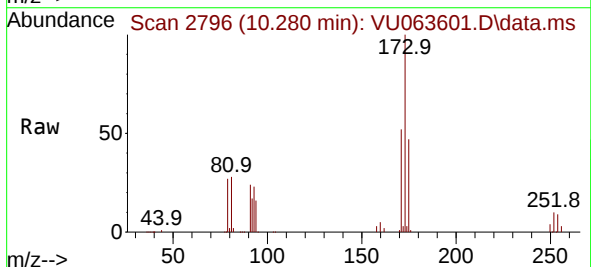
Instrument :
MSVOA_U
ClientSampleId :
VSTD020025

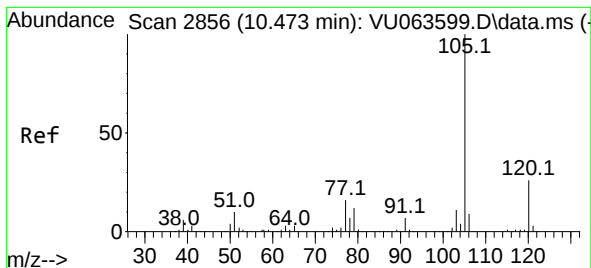
Tgt Ion: 83 Resp: 223113
Ion Ratio Lower Upper
83 100
85 63.4 43.5 80.7
131 9.2 7.3 10.9



#59
Bromoform
Concen: 23.863 ug/L
RT: 10.280 min Scan# 2796
Delta R.T. -0.003 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

Tgt Ion:173 Resp: 99273
Ion Ratio Lower Upper
173 100
175 48.4 40.3 60.5
254 9.4 6.4 9.6





#60

Isopropylbenzene

Concen: 21.467 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. -0.003 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD020025

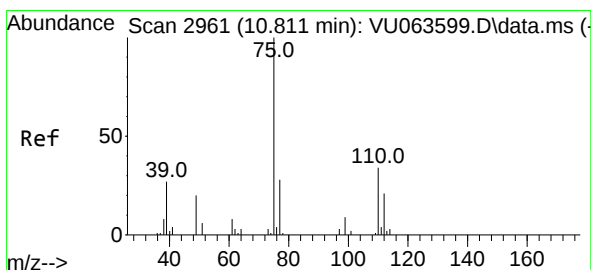
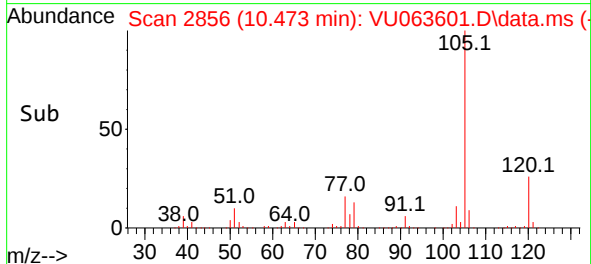
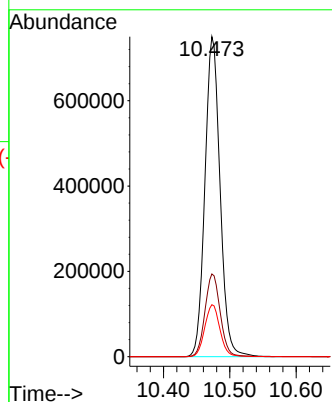
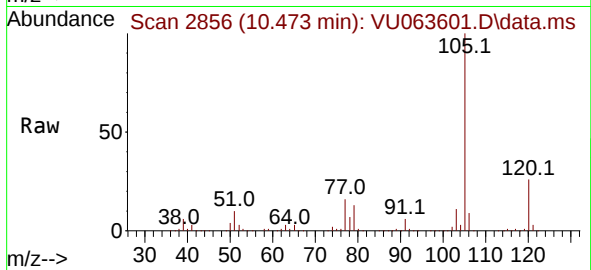
Tgt Ion:105 Resp: 1186618

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

77 16.4 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 21.147 ug/L

RT: 10.811 min Scan# 2961

Delta R.T. -0.003 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

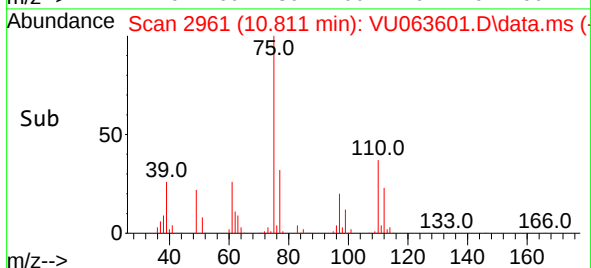
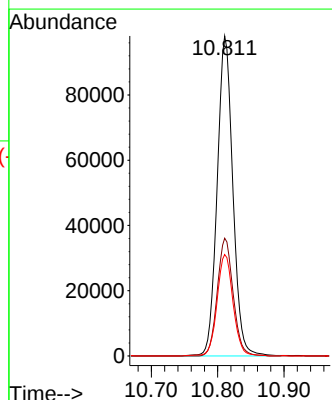
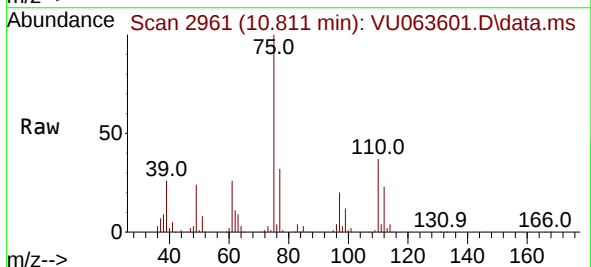
Tgt Ion: 75 Resp: 161058

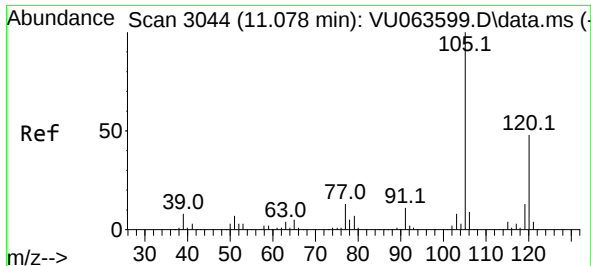
Ion Ratio Lower Upper

75 100

110 37.2 28.3 42.5

77 32.5 25.2 37.8





#62

1,3,5-Trimethylbenzene

Concen: 22.820 ug/L

RT: 11.077 min Scan# 3044

Delta R.T. -0.003 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

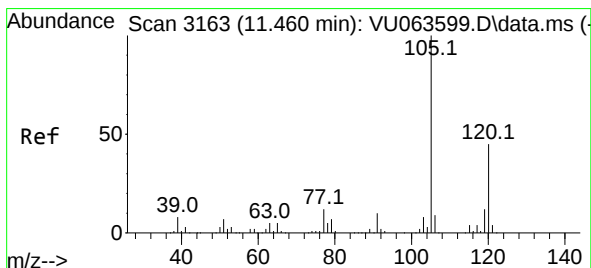
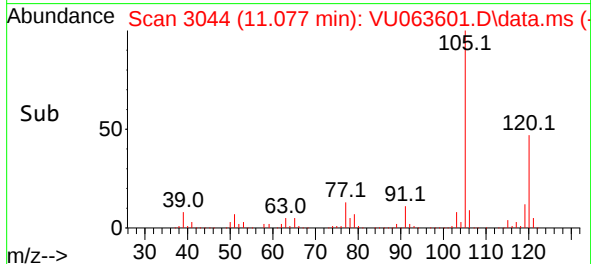
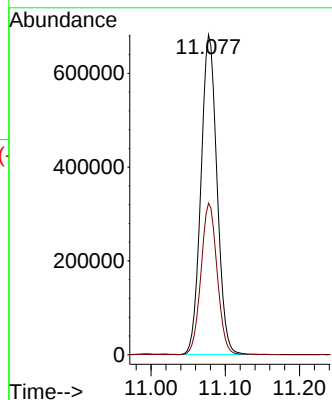
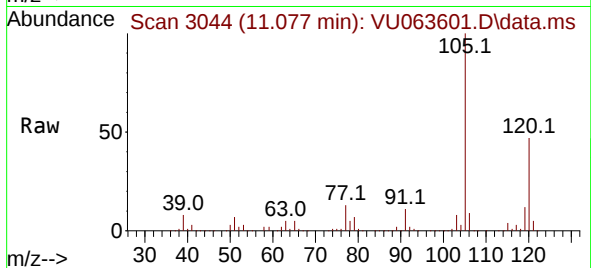
VSTD020025

Tgt Ion:105 Resp: 1025722

Ion Ratio Lower Upper

105 100

120 47.6 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 23.249 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. -0.003 min

Lab File: VU063601.D

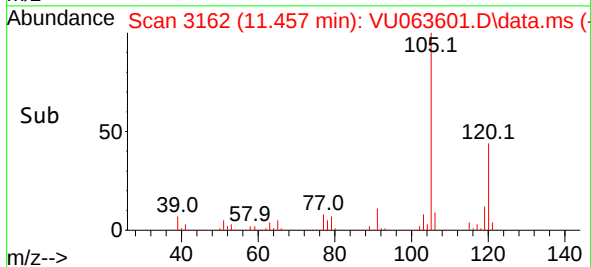
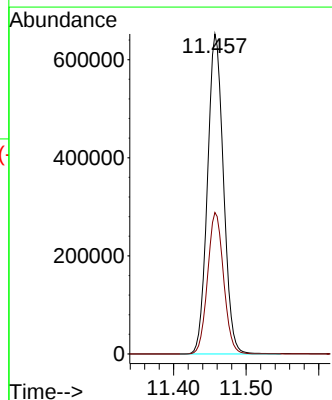
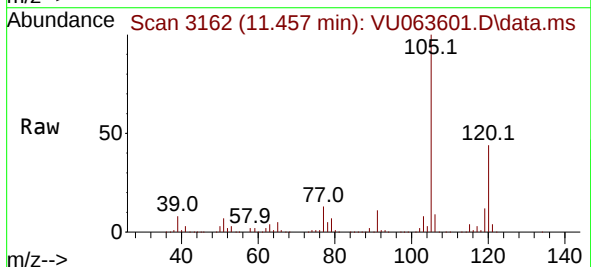
Acq: 17 Sep 2025 11:08

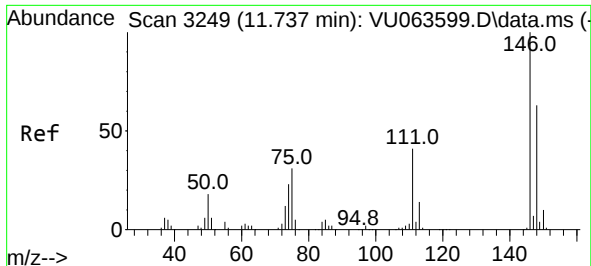
Tgt Ion:105 Resp: 997872

Ion Ratio Lower Upper

105 100

120 44.3 35.3 52.9

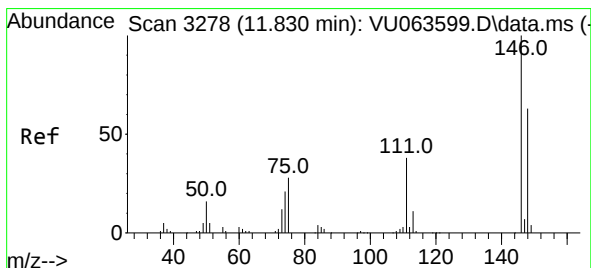
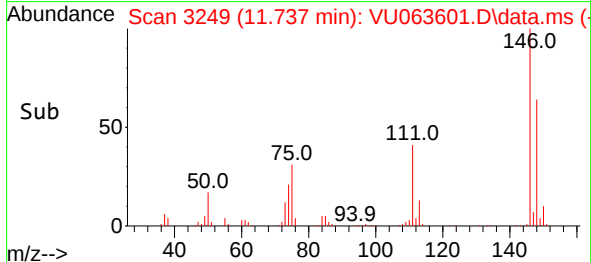
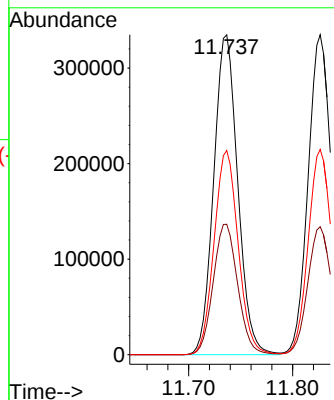
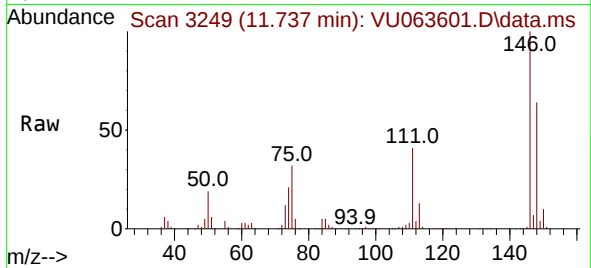




#64
1,3-Dichlorobenzene
Concen: 21.728 ug/L
RT: 11.737 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

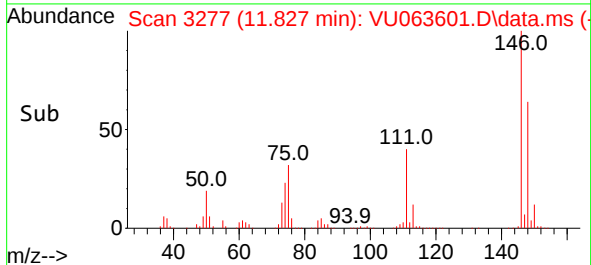
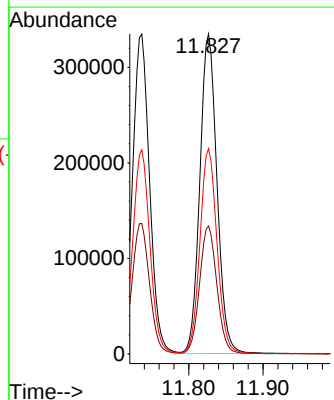
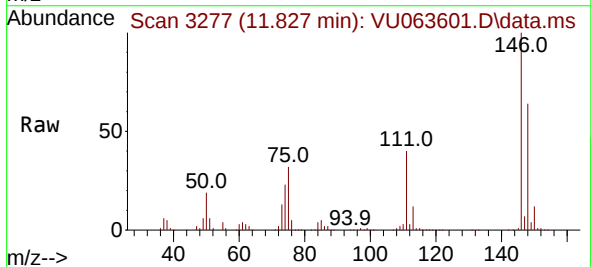
Instrument :
MSVOA_U
ClientSampleId :
VSTD020025

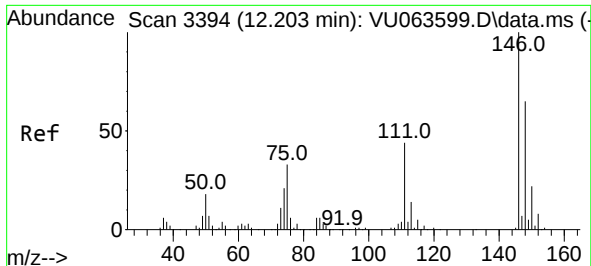
Tgt Ion:146 Resp: 538224
Ion Ratio Lower Upper
146 100
111 40.8 29.0 53.8
148 63.8 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 21.453 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. -0.003 min
Lab File: VU063601.D
Acq: 17 Sep 2025 11:08

Tgt Ion:146 Resp: 536532
Ion Ratio Lower Upper
146 100
111 40.0 27.2 50.4
148 64.2 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 21.400 ug/L

RT: 12.203 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD020025

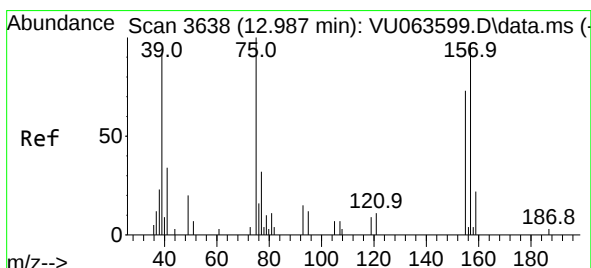
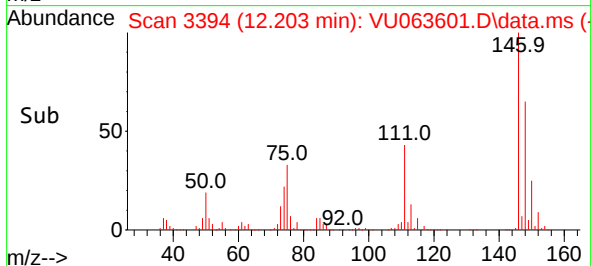
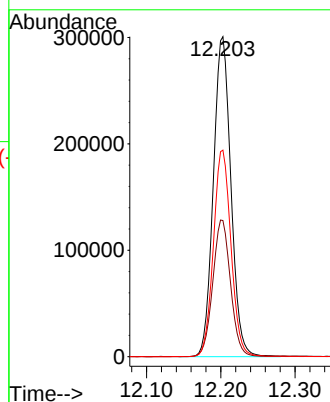
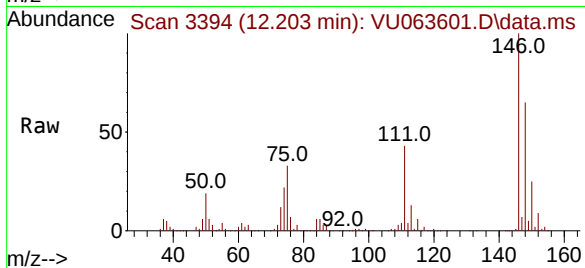
Tgt Ion:146 Resp: 494845

Ion Ratio Lower Upper

146 100

111 42.5 35.5 53.3

148 64.5 52.1 78.1



#68

1,2-Dibromo-3-chloropropane

Concen: 25.214 ug/L

RT: 12.984 min Scan# 3637

Delta R.T. -0.006 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

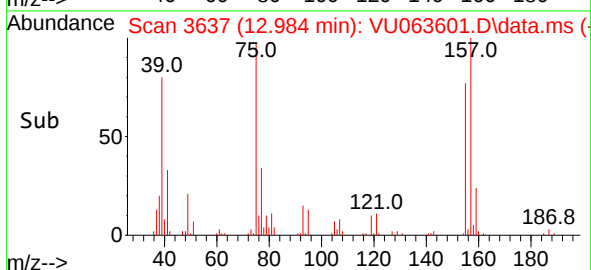
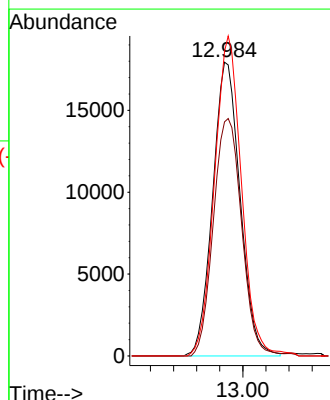
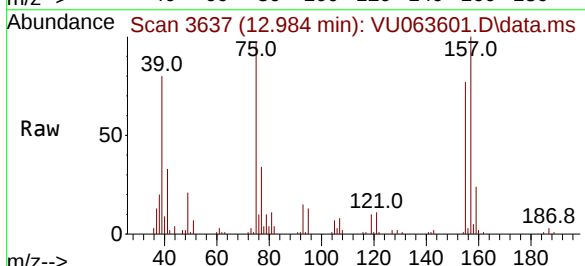
Tgt Ion: 75 Resp: 29654

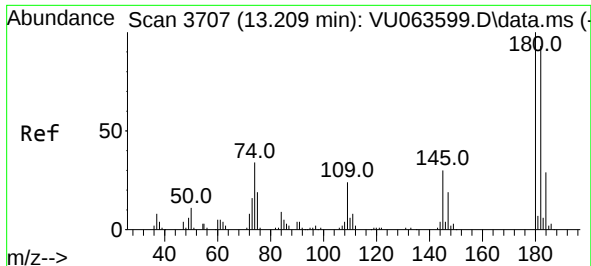
Ion Ratio Lower Upper

75 100

155 79.7 58.4 87.6

157 103.6 77.8 116.8





#69

1,3,5-Trichlorobenzene

Concen: 22.045 ug/L

RT: 13.209 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD020025

Tgt Ion:180 Resp: 408651

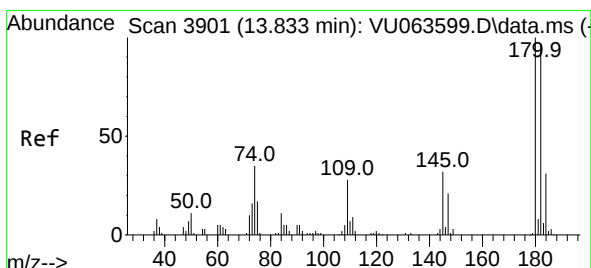
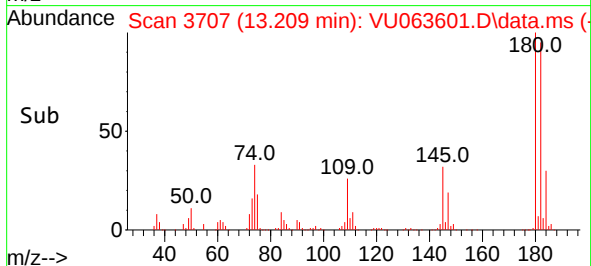
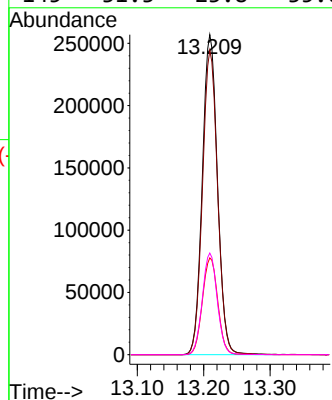
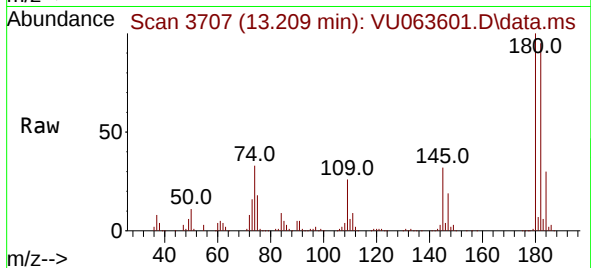
Ion Ratio Lower Upper

180 100

182 94.7 74.6 111.8

184 30.6 23.4 35.2

145 31.3 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 23.359 ug/L

RT: 13.830 min Scan# 3900

Delta R.T. -0.003 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

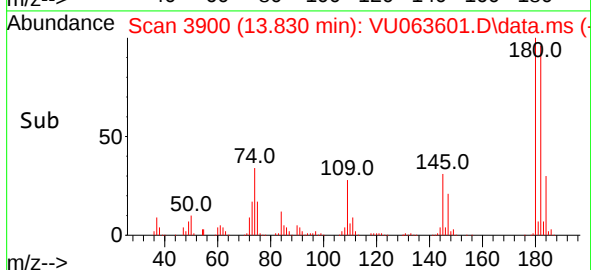
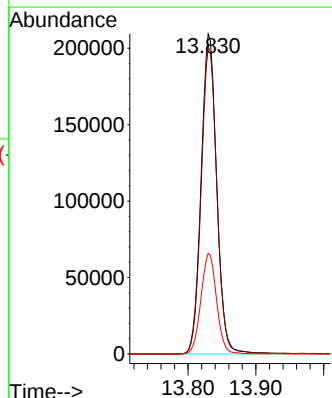
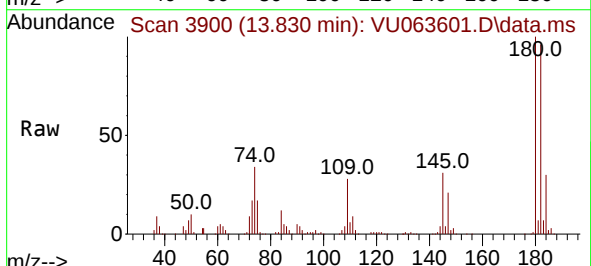
Tgt Ion:180 Resp: 334198

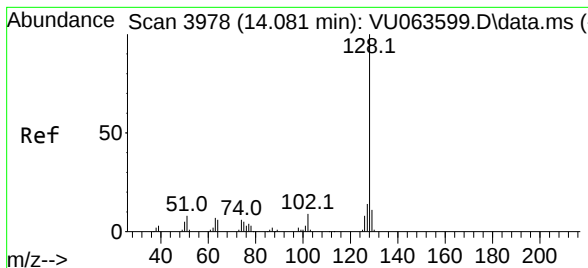
Ion Ratio Lower Upper

180 100

182 96.8 76.6 114.8

145 31.5 25.0 37.4





#71

Naphthalene

Concen: 25.337 ug/L

RT: 14.077 min Scan# 3978

Delta R.T. -0.006 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD020025

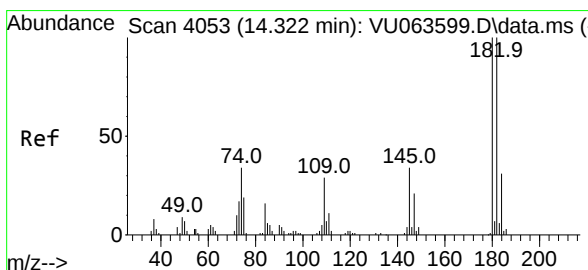
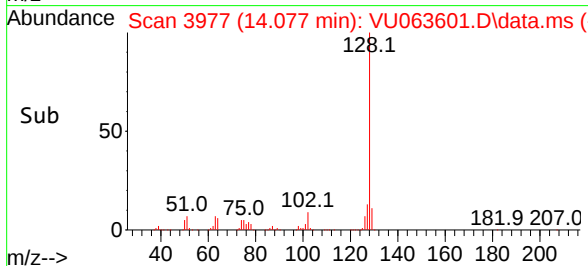
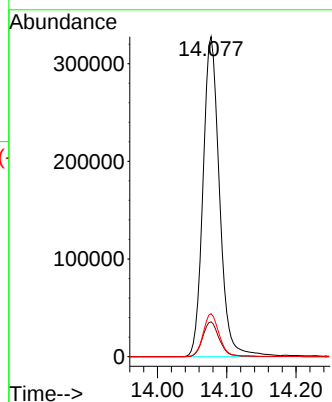
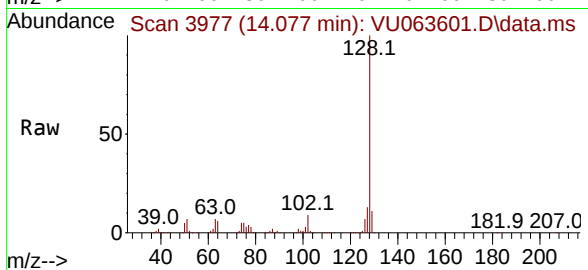
Tgt Ion:128 Resp: 542448

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 13.1 11.0 16.4



#72

1,2,3-Trichlorobenzene

Concen: 23.699 ug/L

RT: 14.318 min Scan# 4052

Delta R.T. -0.003 min

Lab File: VU063601.D

Acq: 17 Sep 2025 11:08

Tgt Ion:180 Resp: 291077

Ion Ratio Lower Upper

180 100

182 95.5 78.2 117.2

145 32.8 26.0 39.0

