

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091725\
 Data File : VU063599.D
 Acq On : 17 Sep 2025 10:20
 Operator : MD/SY
 Sample : VSTD00523
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005023

Quant Time: Sep 18 05:59:09 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	6.239	114	154463	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	145816	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	74036	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	39202	4.937	ug/L	0.00
7) Chloroethane-d5	1.898	69	38214	5.006	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.551	65	18404	4.858	ug/L	0.00
20) 2-Butanone-d5	4.615	46	114476	50.097	ug/L	0.00
24) Chloroform-d	5.049	84	93871	4.947	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.689	65	48969	5.013	ug/L	0.00
32) Benzene-d6	5.714	84	176616	5.044	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	55197	4.871	ug/L	0.00
41) Toluene-d8	7.888	98	158715	5.052	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	15593	5.026	ug/L	0.00
46) 2-Hexanone-d5	8.621	63	81644	49.952	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	46029	5.038	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.184	152	56389	4.902	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	61701	5.019	ug/L	100
3) Chloromethane	1.515	50	67120	4.933	ug/L	100
5) Vinyl chloride	1.596	62	74072	5.086	ug/L	100
6) Bromomethane	1.840	94	42682	4.960	ug/L	100
8) Chloroethane	1.920	64	45172	5.026	ug/L	100
9) Trichlorofluoromethane	2.126	101	95763	5.025	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	54087	5.018	ug/L	100
12) 1,1-Dichloroethene	2.563	96	48577	4.862	ug/L	100
13) Acetone	2.618	43	99991	49.819	ug/L	100
14) Carbon disulfide	2.779	76	129746	4.915	ug/L	100
15) Methyl Acetate	2.946	43	22814	5.019	ug/L	100
16) Methylene chloride	3.030	84	56868	4.864	ug/L	100
17) Methyl tert-butyl Ether	3.354	73	122203	4.961	ug/L	100
18) trans-1,2-Dichloroethene	3.342	96	52172	5.053	ug/L	100
19) 1,1-Dichloroethane	3.853	63	105934	5.038	ug/L	100
21) 2-Butanone	4.695	43	136010	50.011	ug/L	100
22) cis-1,2-Dichloroethene	4.653	96	59770	5.091	ug/L	100
23) Bromochloromethane	4.962	128	27229	5.236	ug/L	100
25) Chloroform	5.075	83	109280	5.070	ug/L	100
27) 1,2-Dichloroethane	5.782	62	70394	4.927	ug/L	100
29) 1,1,1-Trichloroethane	5.300	97	83220	4.980	ug/L	100
30) Cyclohexane	5.374	56	99107	5.028	ug/L	100
31) Carbon tetrachloride	5.509	117	66163	5.057	ug/L	100
33) Benzene	5.759	78	233689	5.128	ug/L	100
34) Trichloroethene	6.531	95	62724	5.019	ug/L	100
35) Methylcyclohexane	6.750	83	94361	4.950	ug/L	100
37) 1,2-Dichloropropane	6.779	63	60605	4.910	ug/L	100
38) Bromodichloromethane	7.094	83	66682	5.051	ug/L	100
39) cis-1,3-Dichloropropene	7.595	75	69761	4.983	ug/L	100
40) 4-Methyl-2-pentanone	7.779	43	359494	50.881	ug/L	100
42) Toluene	7.959	91	242676	4.965	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	50262	4.887	ug/L	100

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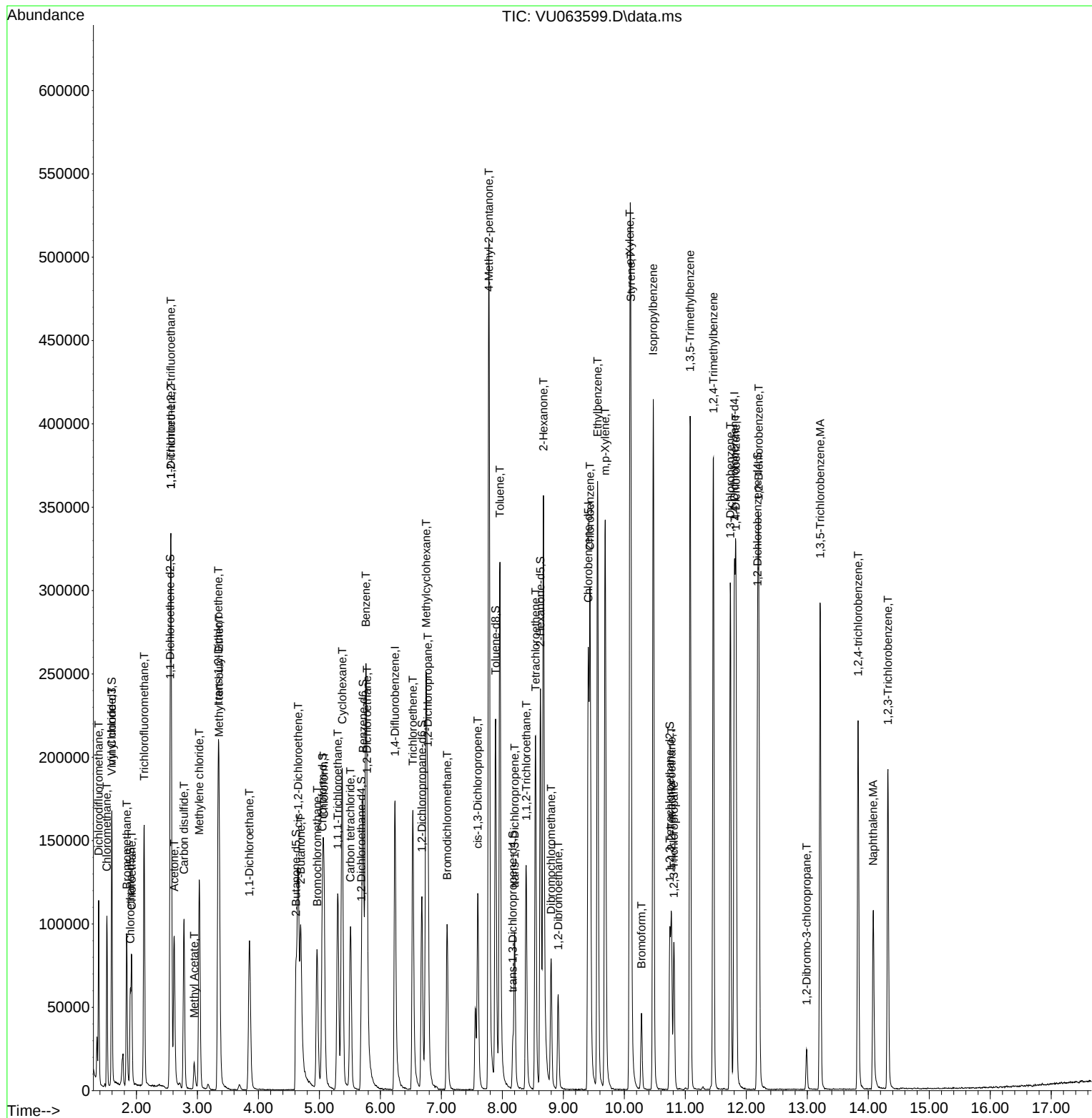
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.390	97	43057	5.095	ug/L	100
47) Tetrachloroethene	8.544	164	46675	4.892	ug/L	100
48) 2-Hexanone	8.673	43	246679	51.355	ug/L	100
49) Dibromochloromethane	8.798	129	37934	4.910	ug/L	100
50) 1,2-Dibromoethane	8.914	107	39012	5.175	ug/L	100
51) Chlorobenzene	9.438	112	158240	5.000	ug/L	100
52) Ethylbenzene	9.560	91	271087	5.039	ug/L	100
53) m,p-Xylene	9.685	106	106009	5.253	ug/L	100
54) o-Xylene	10.090	106	101178	5.181	ug/L	100
55) Styrene	10.107	104	166308	5.191	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.772	83	50182	4.971	ug/L	100
59) Bromoform	10.280	173	19591	4.888	ug/L	100
60) Isopropylbenzene	10.473	105	271839	5.104	ug/L	100
61) 1,2,3-Trichloropropane	10.811	75	37448	5.103	ug/L	100
62) 1,3,5-Trimethylbenzene	11.078	105	222351	5.134	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	212913	5.148	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	121890	5.107	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	120820	5.014	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	112358	5.043	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.987	75	6041	5.331	ug/L	100
69) 1,3,5-Trichlorobenzene	13.209	180	89219	4.995	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	65841	4.776	ug/L	100
71) Naphthalene	14.081	128	93440	4.530	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	57258	4.838	ug/L	100

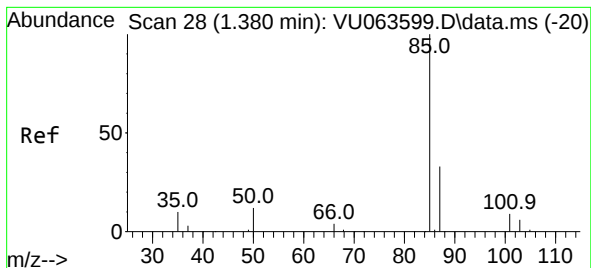
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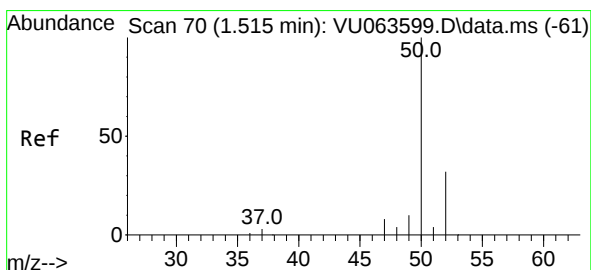
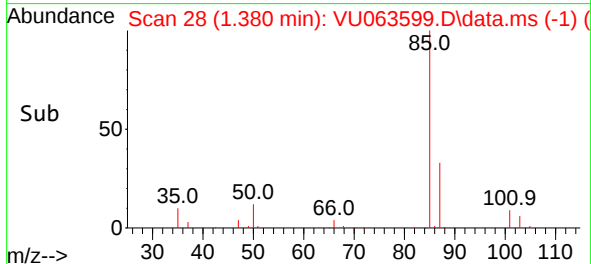
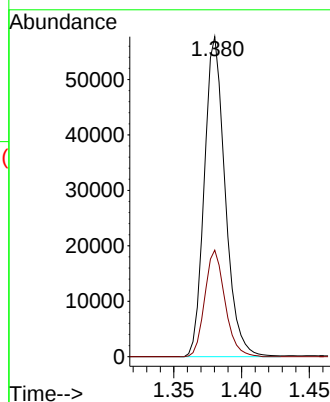
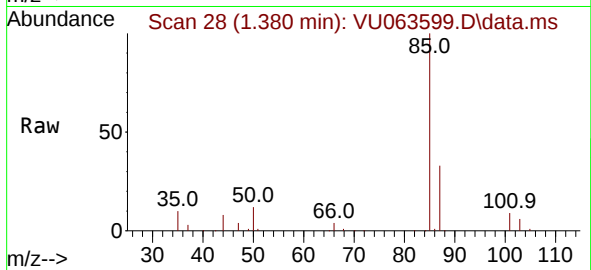




#2
Dichlorodifluoromethane
Concen: 5.019 ug/L
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

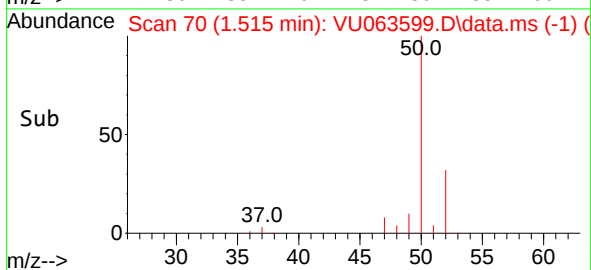
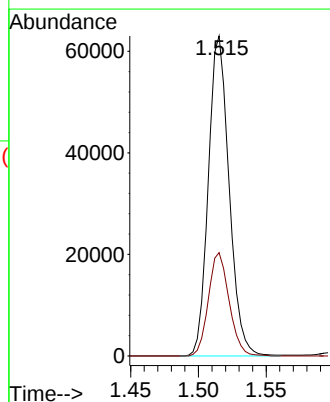
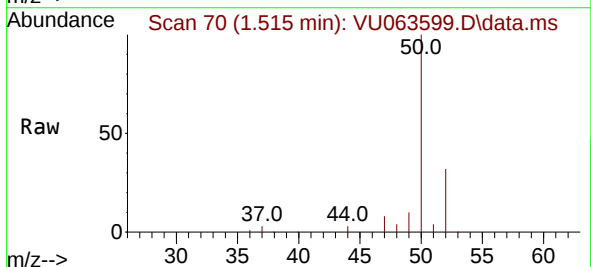
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

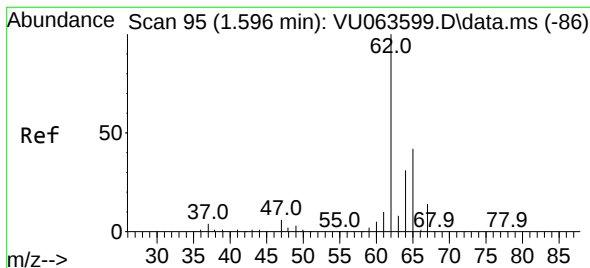
Tgt Ion: 85 Resp: 61701
Ion Ratio Lower Upper
85 100
87 32.3 25.8 38.8



#3
Chloromethane
Concen: 4.933 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

Tgt Ion: 50 Resp: 67120
Ion Ratio Lower Upper
50 100
52 32.3 22.6 42.0

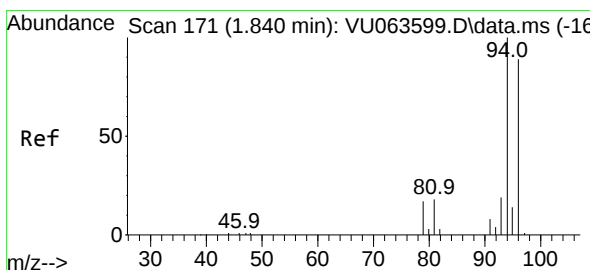
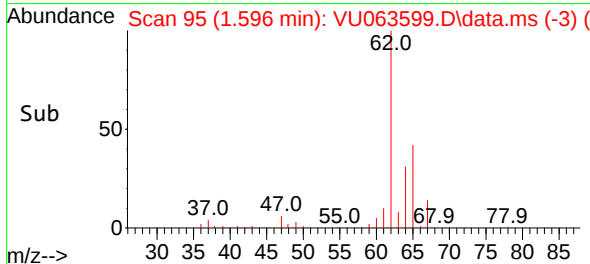
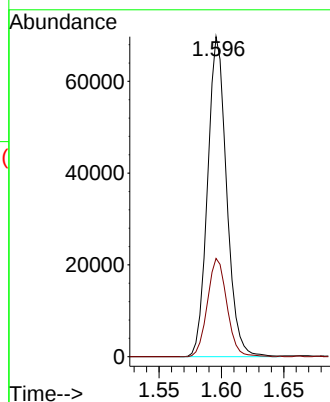
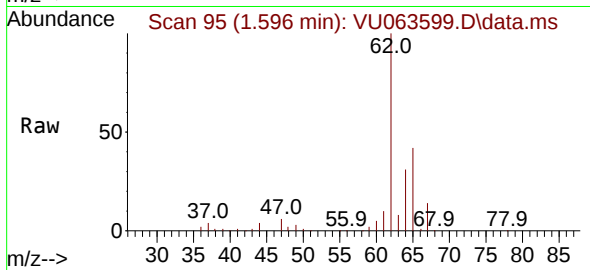




#5
 Vinyl chloride
 Concen: 5.086 ug/L
 RT: 1.596 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU063599.D
 Acq: 17 Sep 2025 10:20

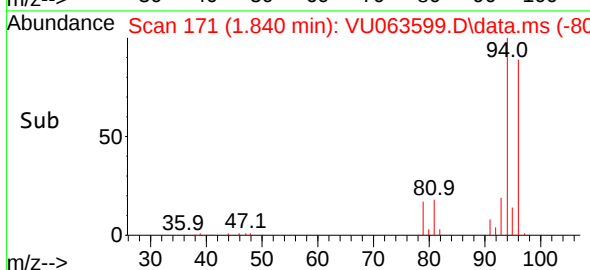
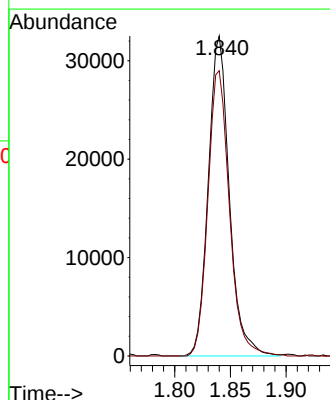
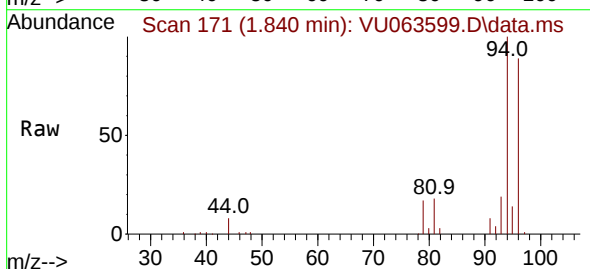
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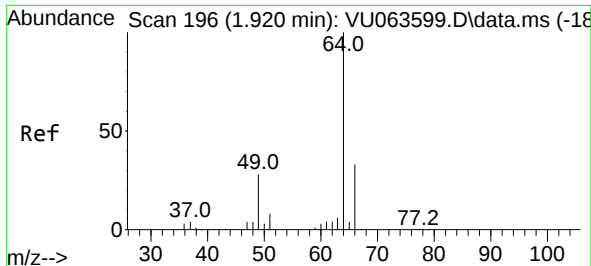
Tgt Ion: 62 Resp: 74072
 Ion Ratio Lower Upper
 62 100
 64 30.7 21.5 39.9



#6
 Bromomethane
 Concen: 4.960 ug/L
 RT: 1.840 min Scan# 171
 Delta R.T. -0.006 min
 Lab File: VU063599.D
 Acq: 17 Sep 2025 10:20

Tgt Ion: 94 Resp: 42682
 Ion Ratio Lower Upper
 94 100
 96 89.2 62.4 116.0

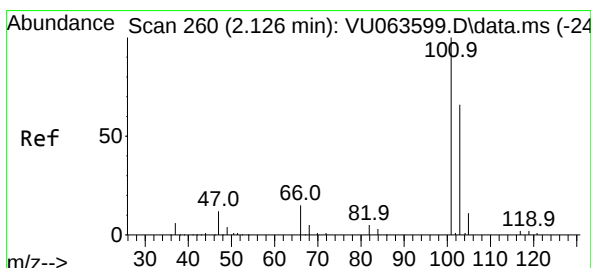
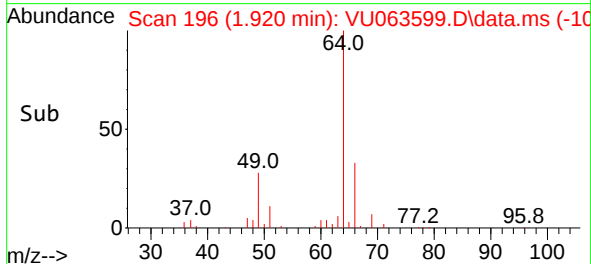
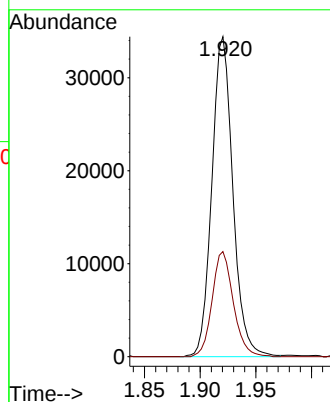
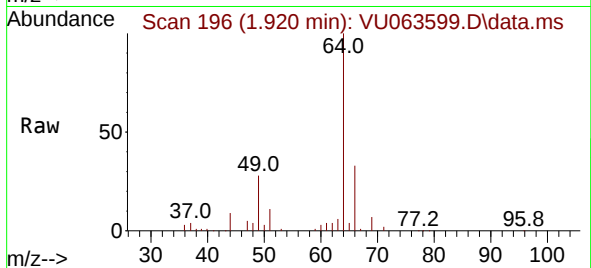




#8
Chloroethane
Concen: 5.026 ug/L
RT: 1.920 min Scan# 196
Delta R.T. -0.003 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

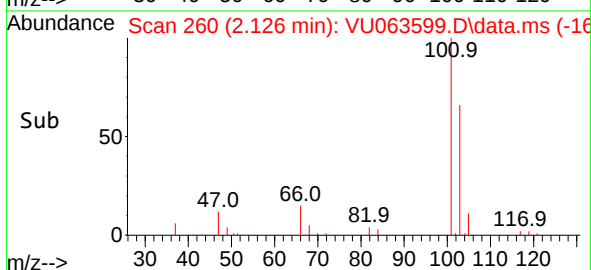
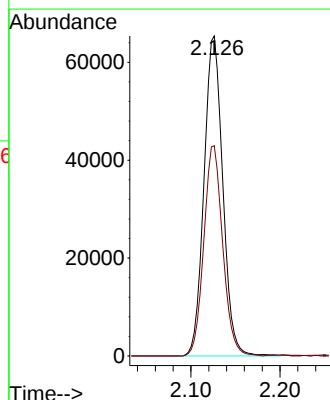
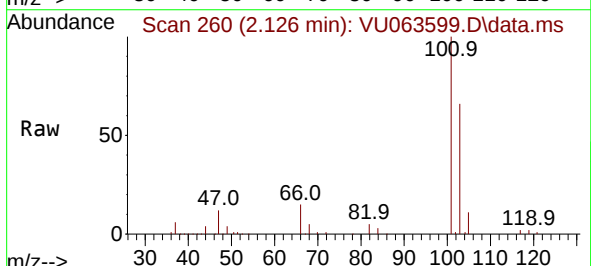
Instrument :
MSVOA_U
ClientSampleId :
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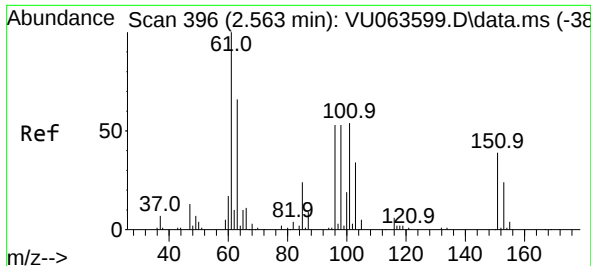
Tgt Ion: 64 Resp: 45172
Ion Ratio Lower Upper
64 100
66 32.9 23.0 42.8



#9
Trichlorofluoromethane
Concen: 5.025 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.003 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

Tgt Ion:101 Resp: 95763
Ion Ratio Lower Upper
101 100
103 66.0 52.8 79.2

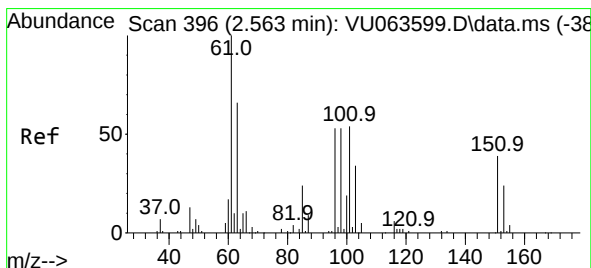
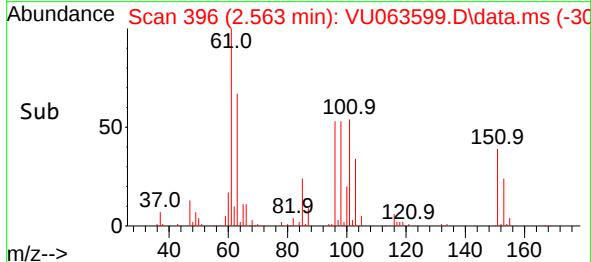
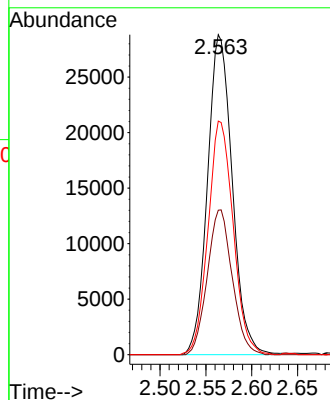
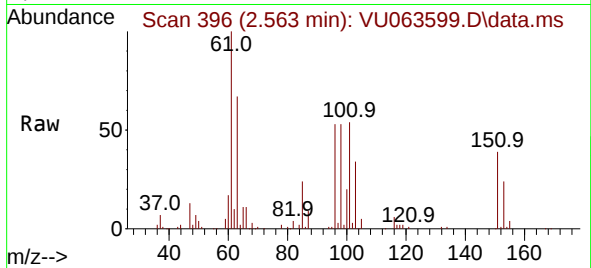




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.018 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.006 min
 Lab File: VU063599.D
 Acq: 17 Sep 2025 10:20

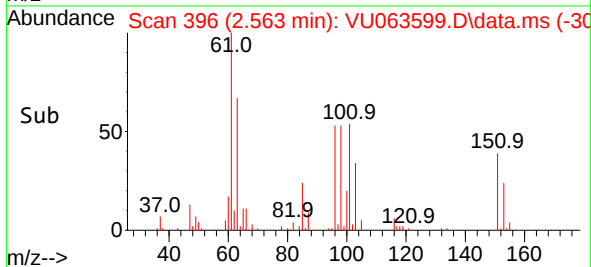
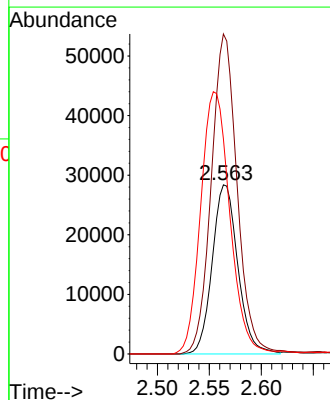
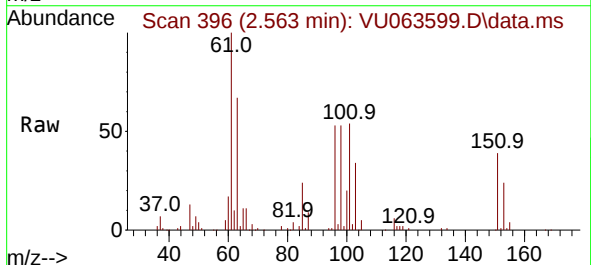
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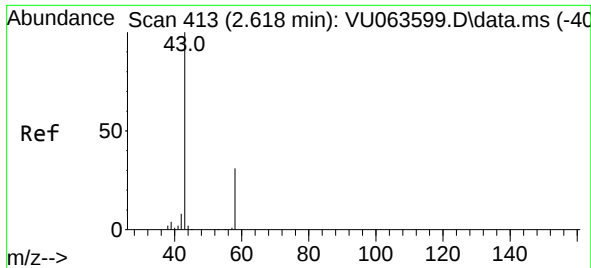
Tgt Ion:101 Resp: 54087
 Ion Ratio Lower Upper
 101 100
 85 45.5 36.4 54.6
 151 74.0 59.2 88.8



#12
 1,1-Dichloroethene
 Concen: 4.862 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.006 min
 Lab File: VU063599.D
 Acq: 17 Sep 2025 10:20

Tgt Ion: 96 Resp: 48577
 Ion Ratio Lower Upper
 96 100
 61 189.1 132.4 245.8
 63 127.2 89.0 165.4





#13

Acetone

Concen: 49.819 ug/L

RT: 2.618 min Scan# 413

Delta R.T. 0.003 min

Lab File: VU063599.D

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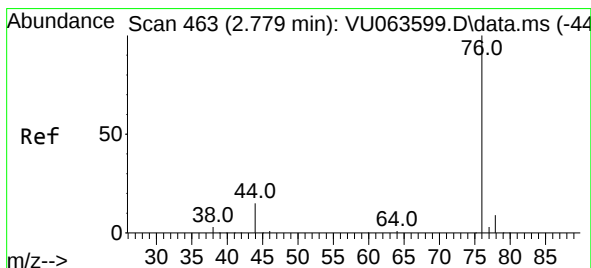
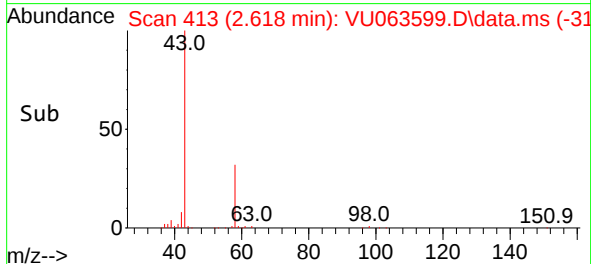
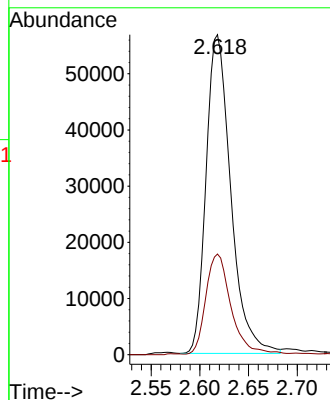
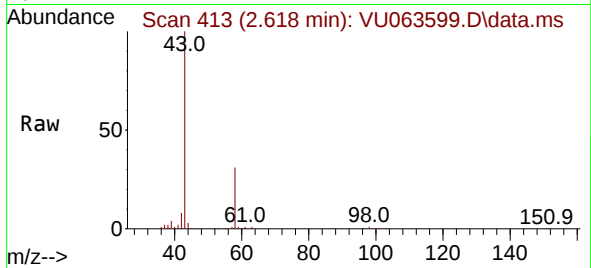
VSTD005023

Tgt Ion: 43 Resp: 99991

Ion Ratio Lower Upper

43 100

58 31.8 0.0 63.6



#14

Carbon disulfide

Concen: 4.915 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.003 min

Lab File: VU063599.D

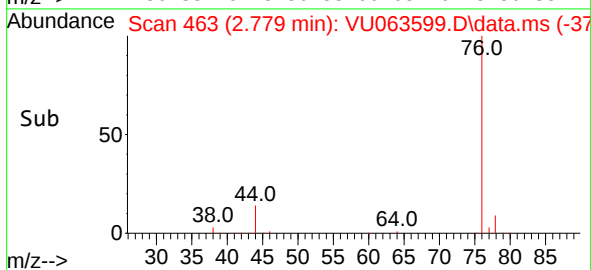
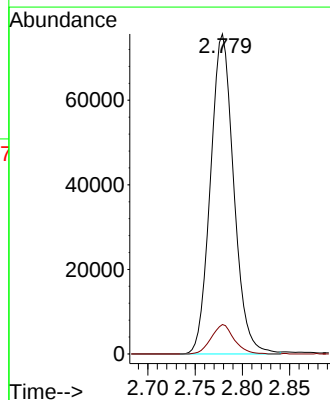
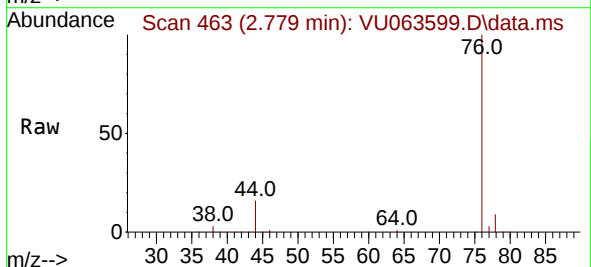
Acq: 17 Sep 2025 10:20

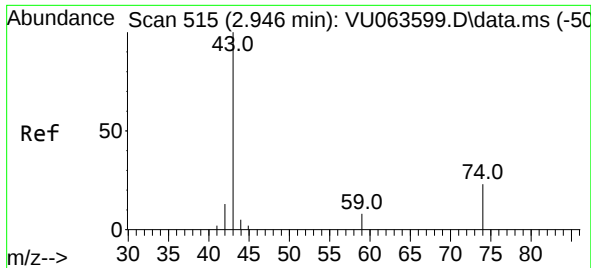
Tgt Ion: 76 Resp: 129746

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

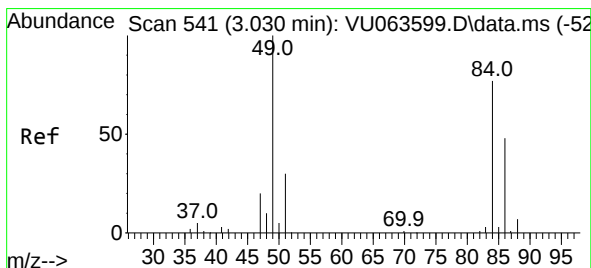
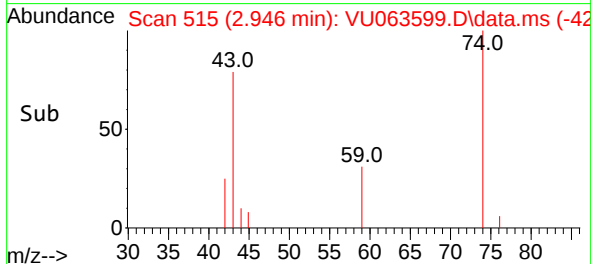
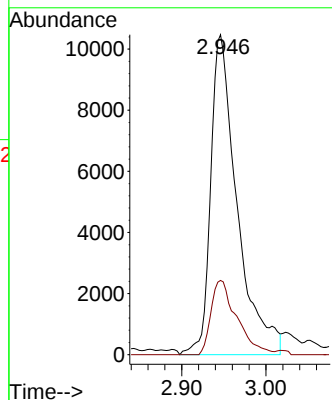
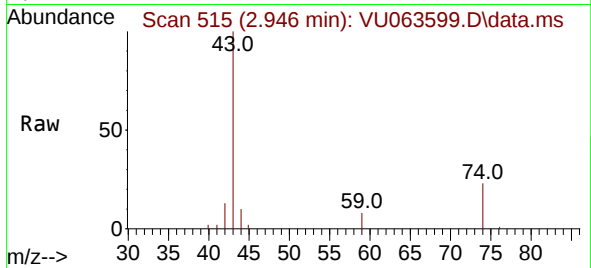




#15
Methyl Acetate
Concen: 5.019 ug/L
RT: 2.946 min Scan# 515
Delta R.T. 0.003 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

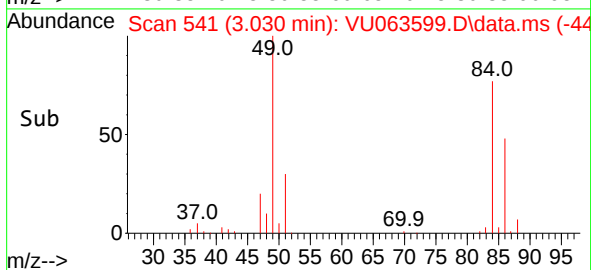
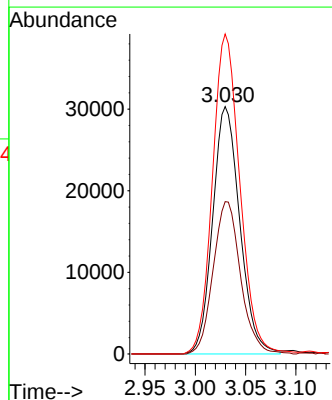
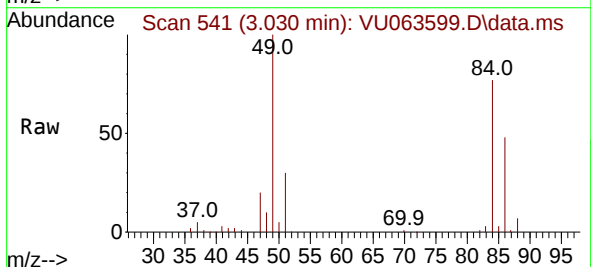
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

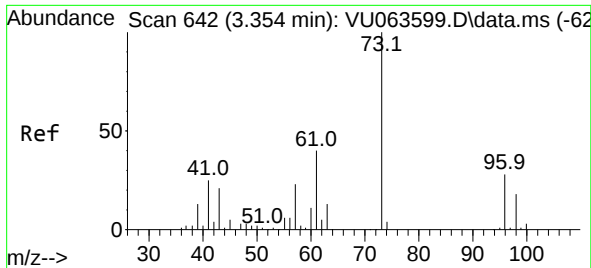
Tgt Ion: 43 Resp: 22814
Ion Ratio Lower Upper
43 100
74 22.7 18.2 27.2



#16
Methylene chloride
Concen: 4.864 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.003 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

Tgt Ion: 84 Resp: 56868
Ion Ratio Lower Upper
84 100
86 61.6 43.1 80.1
49 129.4 90.6 168.2

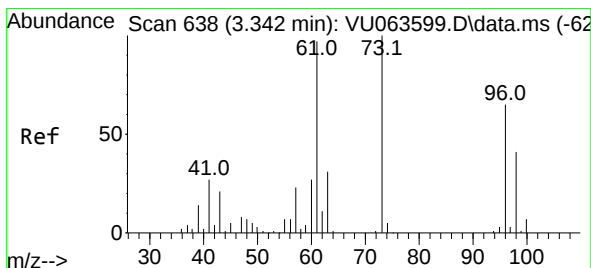
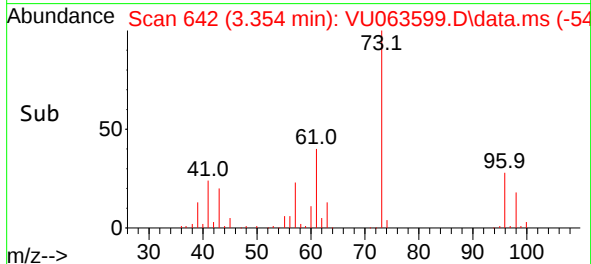
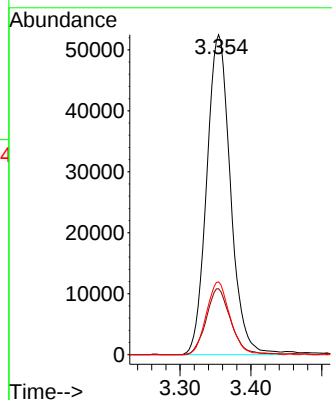
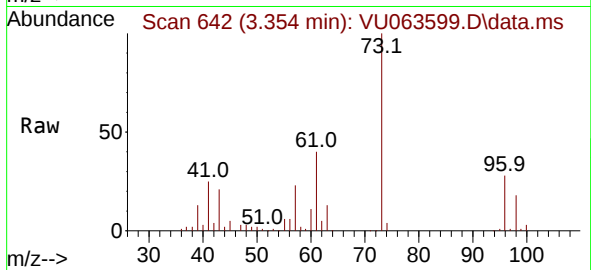




#17
Methyl tert-butyl Ether
Concen: 4.961 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

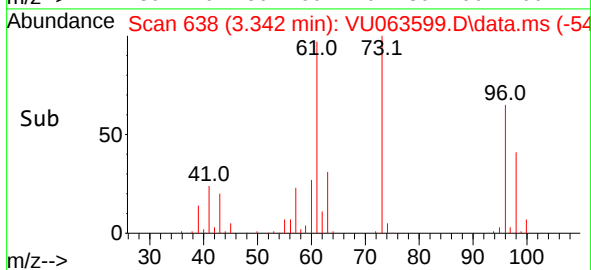
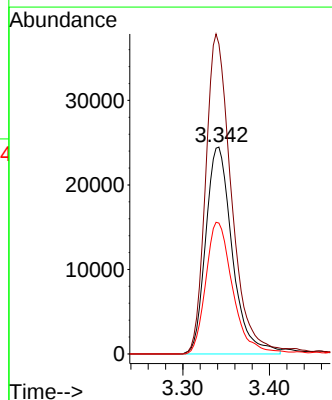
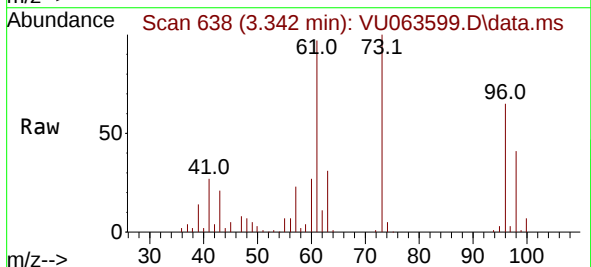
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

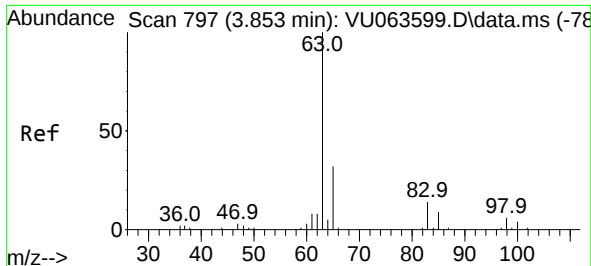
Tgt Ion: 73 Resp: 122203
Ion Ratio Lower Upper
73 100
43 21.2 17.0 25.4
57 22.7 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 5.053 ug/L
RT: 3.342 min Scan# 638
Delta R.T. 0.000 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

Tgt Ion: 96 Resp: 52172
Ion Ratio Lower Upper
96 100
61 149.8 104.9 194.7
98 63.3 44.3 82.3

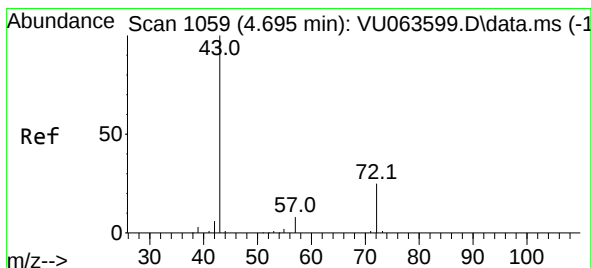
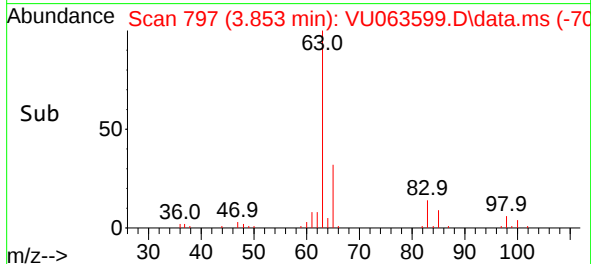
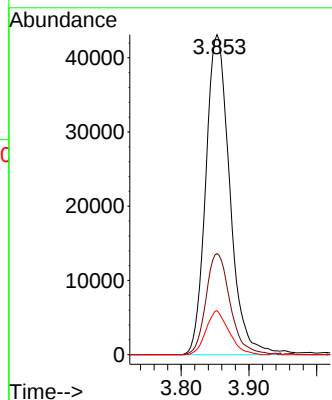
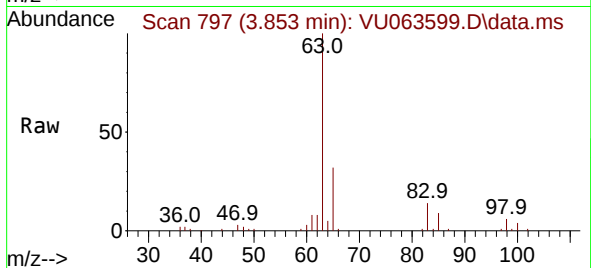




#19
1,1-Dichloroethane
Concen: 5.038 ug/L
RT: 3.853 min Scan# 797
Delta R.T. -0.003 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

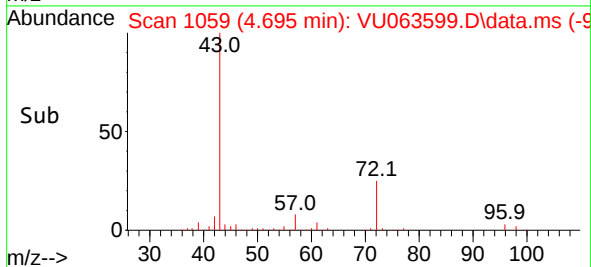
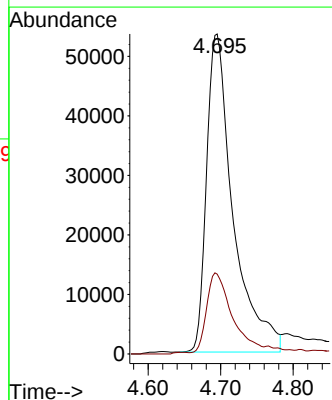
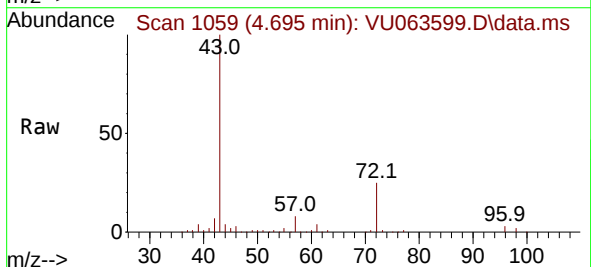
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

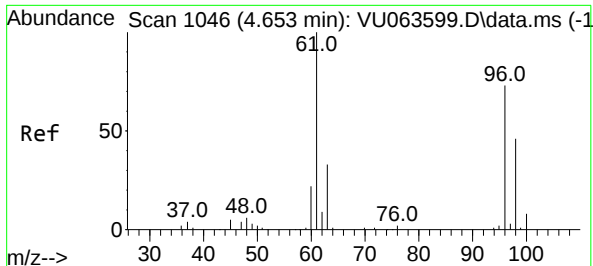
Tgt Ion: 63 Resp: 105934
Ion Ratio Lower Upper
63 100
65 31.6 22.1 41.1
83 13.8 9.7 17.9



#21
2-Butanone
Concen: 50.011 ug/L
RT: 4.695 min Scan# 1059
Delta R.T. 0.007 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

Tgt Ion: 43 Resp: 136010
Ion Ratio Lower Upper
43 100
72 23.8 11.9 35.7

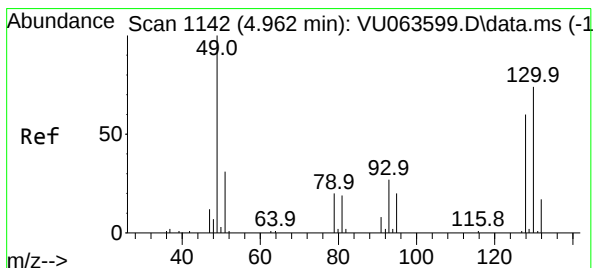
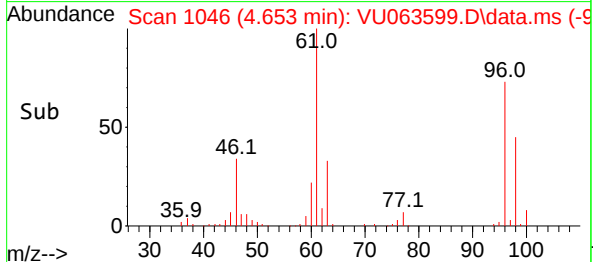
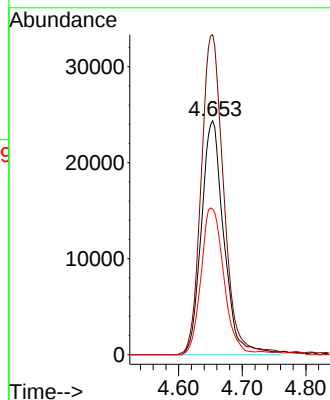
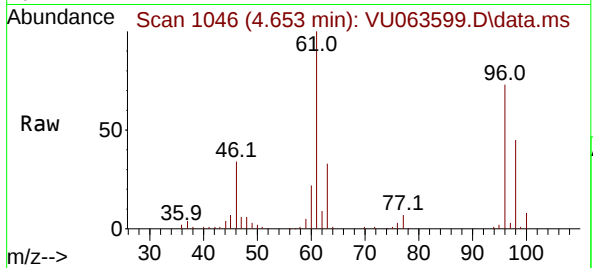




#22
 cis-1,2-Dichloroethene
 Concen: 5.091 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. -0.003 min
 Lab File: VU063599.D
 Acq: 17 Sep 2025 10:20

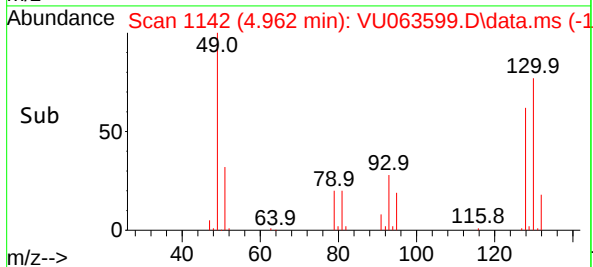
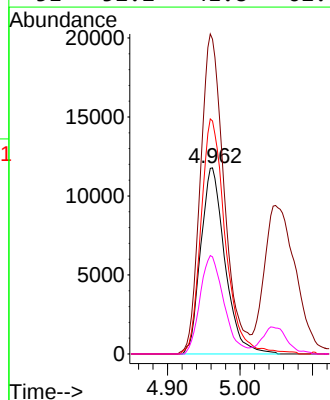
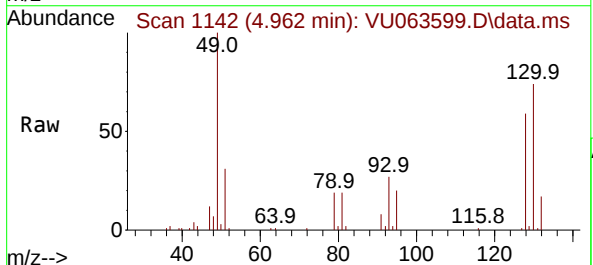
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005023

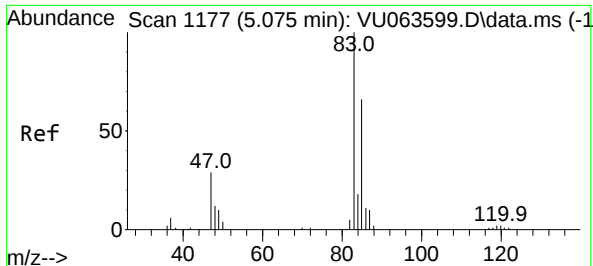
Tgt Ion:	96	Resp:	59770
Ion	Ratio	Lower	Upper
96	100		
61	136.8	95.8	177.8
98	62.2	43.5	80.9



#23
 Bromochloromethane
 Concen: 5.236 ug/L
 RT: 4.962 min Scan# 1142
 Delta R.T. -0.003 min
 Lab File: VU063599.D
 Acq: 17 Sep 2025 10:20

Tgt Ion:	128	Resp:	27229
Ion	Ratio	Lower	Upper
128	100		
49	169.1	118.4	219.8
130	125.1	87.6	162.6
51	52.2	41.8	62.6





#25

Chloroform

Concen: 5.070 ug/L

RT: 5.075 min Scan# 1177

Delta R.T. 0.000 min

Lab File: VU063599.D

Acq: 17 Sep 2025 10:20

Instrument :

MSVOA_U

ClientSampleId :

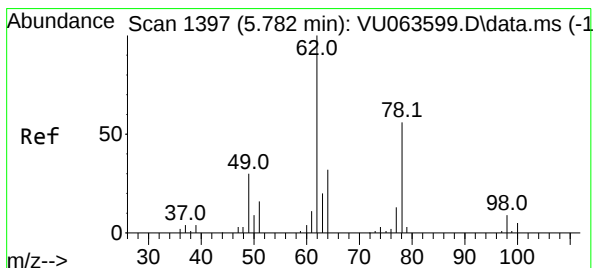
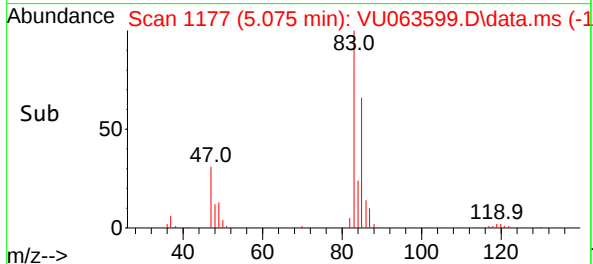
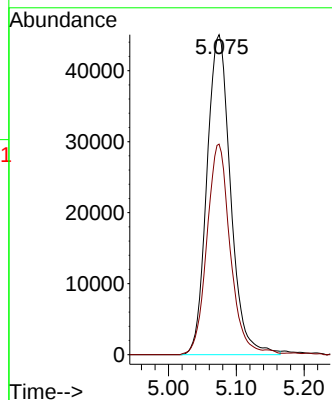
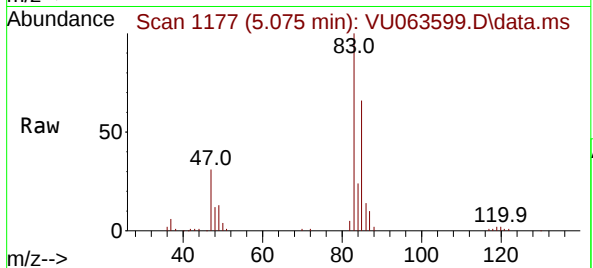
VSTD005023

Tgt Ion: 83 Resp: 109280

Ion Ratio Lower Upper

83 100

85 65.8 46.1 85.5



#27

1,2-Dichloroethane

Concen: 4.927 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VU063599.D

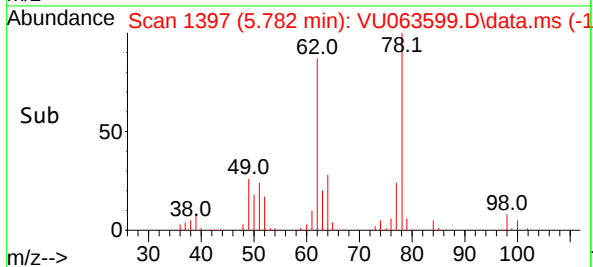
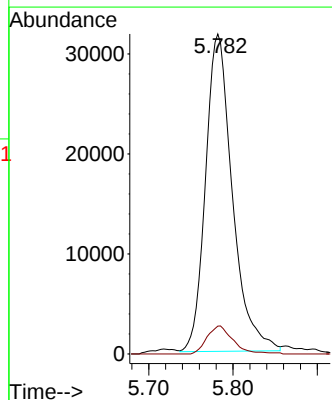
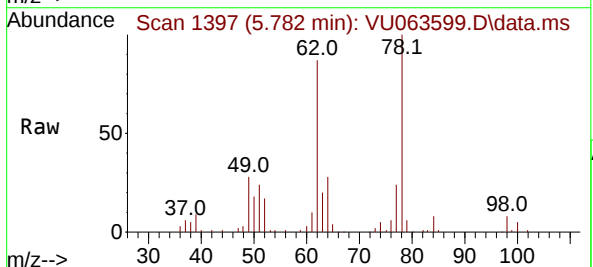
Acq: 17 Sep 2025 10:20

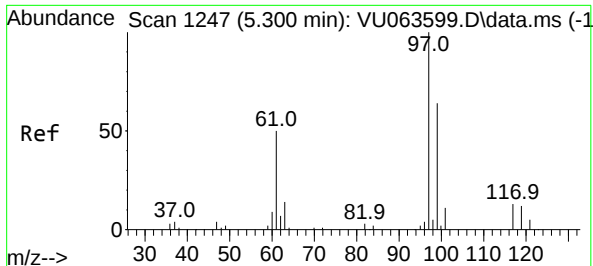
Tgt Ion: 62 Resp: 70394

Ion Ratio Lower Upper

62 100

98 8.7 7.0 10.4

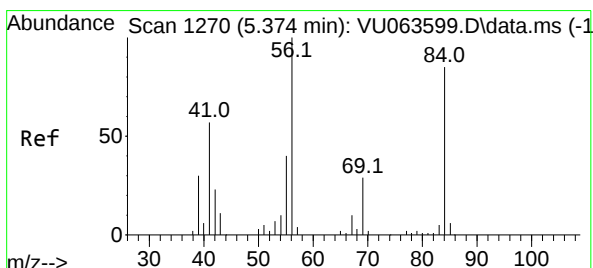
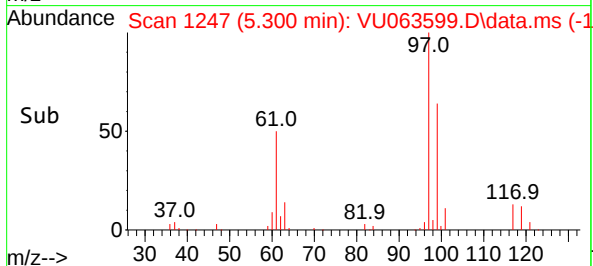
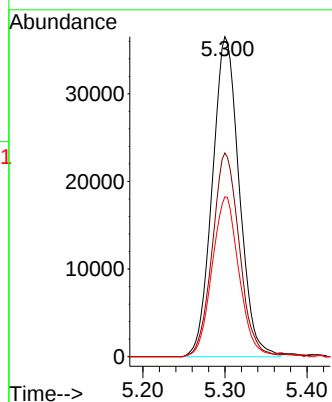
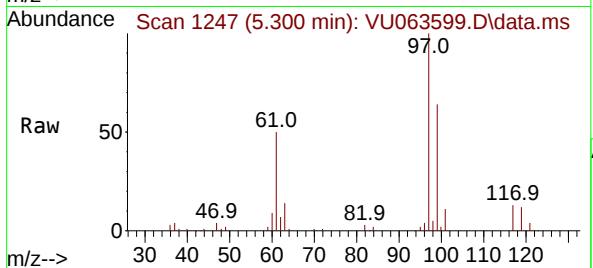




#29
1,1,1-Trichloroethane
Concen: 4.980 ug/L
RT: 5.300 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

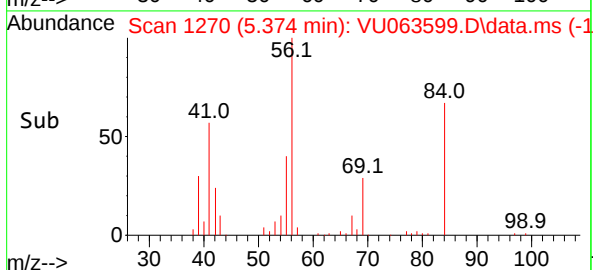
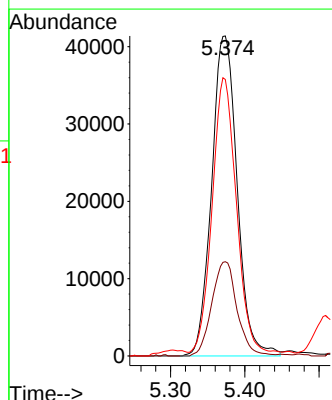
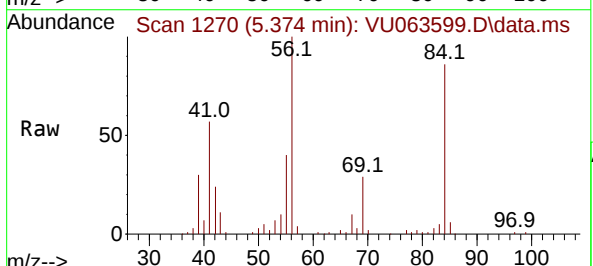
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

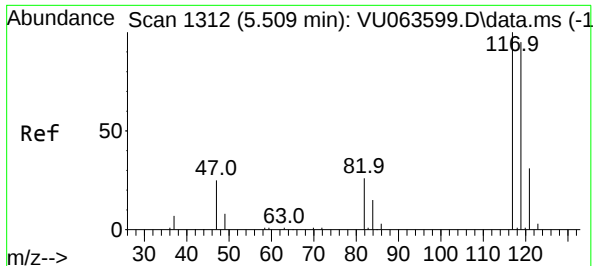
Tgt Ion: 97	Resp: 83220
Ion Ratio	Lower Upper
97 100	
99 63.8	51.0 76.6
61 49.9	39.9 59.9



#30
Cyclohexane
Concen: 5.028 ug/L
RT: 5.374 min Scan# 1270
Delta R.T. -0.003 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

Tgt Ion: 56	Resp: 99107
Ion Ratio	Lower Upper
56 100	
69 29.0	23.2 34.8
84 81.2	65.0 97.4

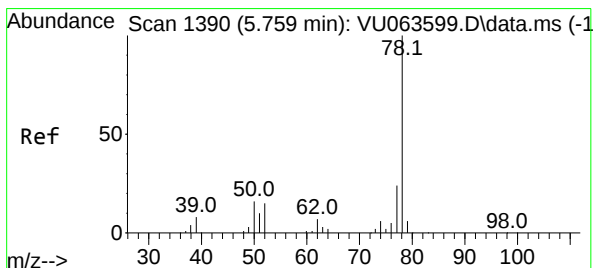
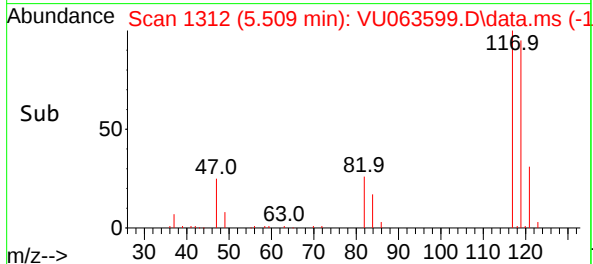
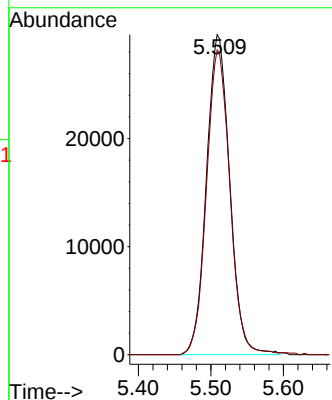
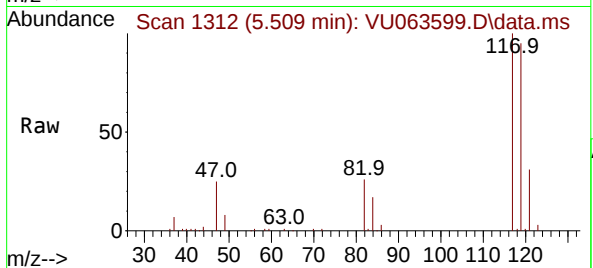




#31
Carbon tetrachloride
Concen: 5.057 ug/L
RT: 5.509 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

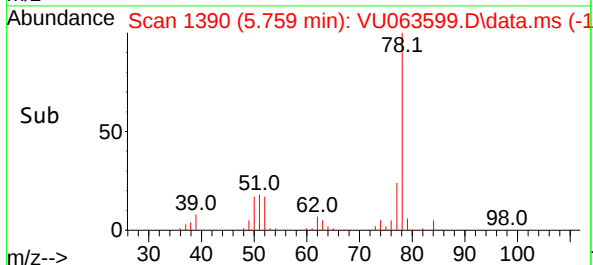
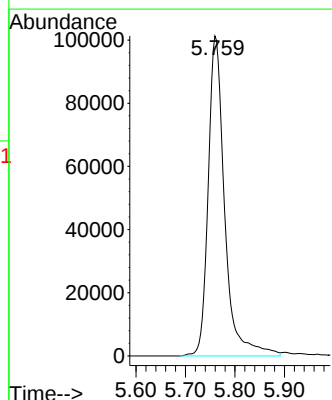
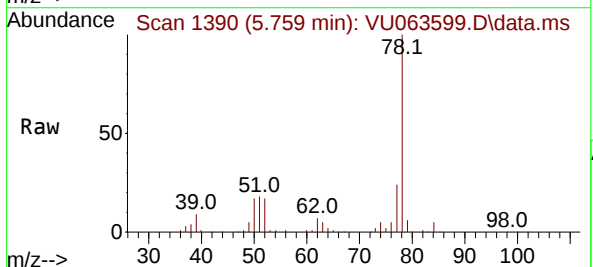
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

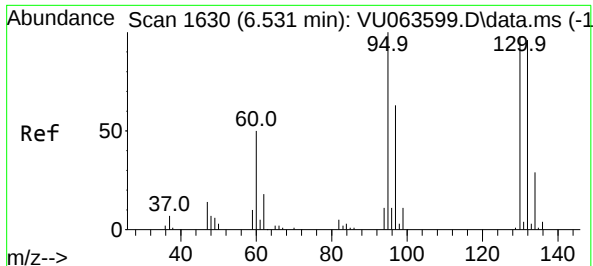
Tgt Ion:117 Resp: 66163
Ion Ratio Lower Upper
117 100
119 96.0 76.8 115.2



#33
Benzene
Concen: 5.128 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

Tgt Ion: 78 Resp: 233689

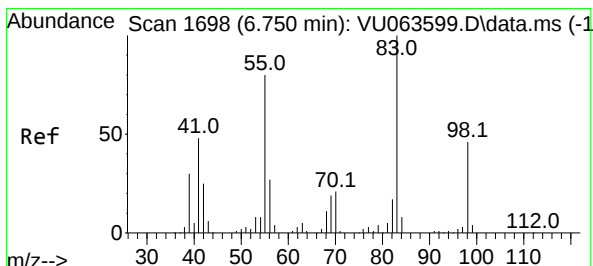
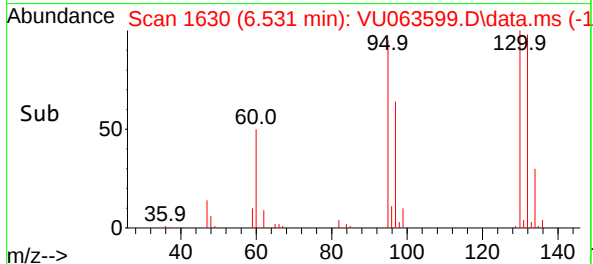
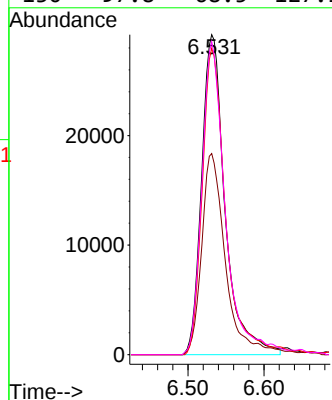
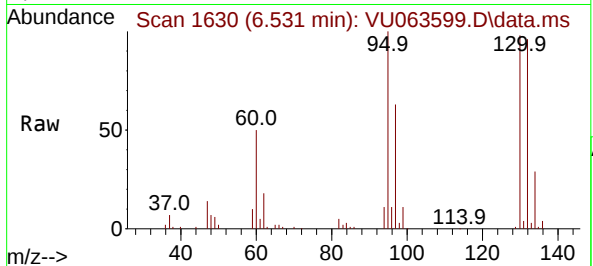




#34
Trichloroethene
Concen: 5.019 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.003 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

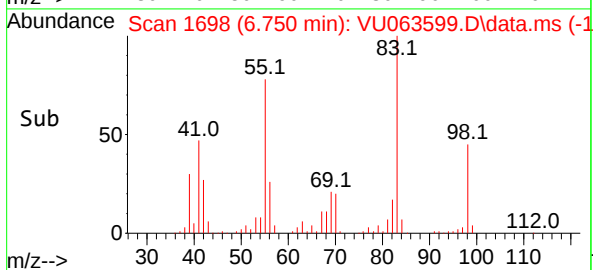
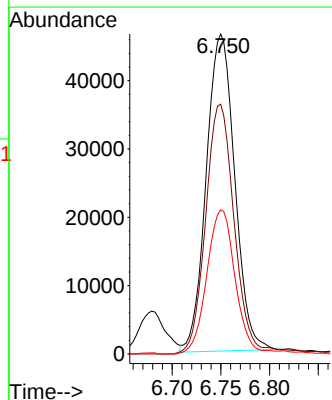
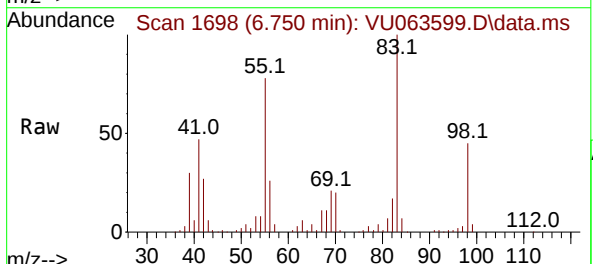
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

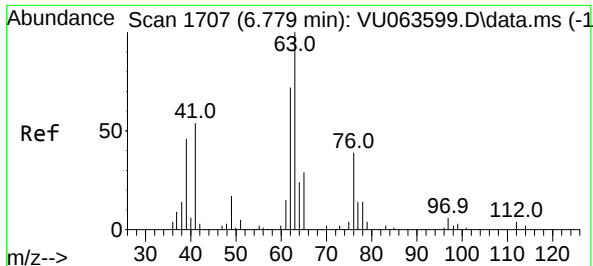
Tgt Ion: 95 Resp: 62724
Ion Ratio Lower Upper
95 100
97 62.8 44.0 81.6
132 95.8 67.1 124.5
130 97.8 68.5 127.1



#35
Methylcyclohexane
Concen: 4.950 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. -0.003 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

Tgt Ion: 83 Resp: 94361
Ion Ratio Lower Upper
83 100
55 79.9 63.9 95.9
98 45.2 36.2 54.2





#37

1,2-Dichloropropane

Concen: 4.910 ug/L

RT: 6.779 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU063599.D

Acq: 17 Sep 2025 10:20

Instrument :

MSVOA_U

ClientSampleId :

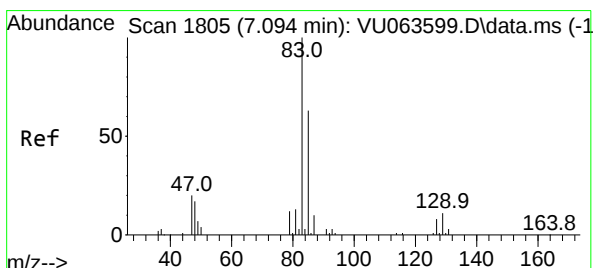
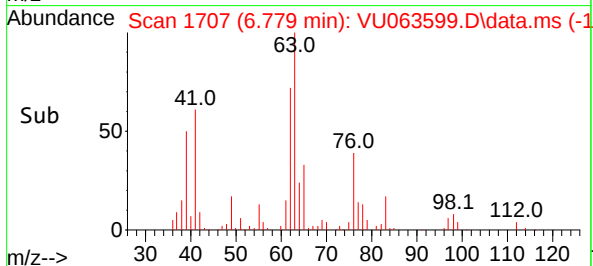
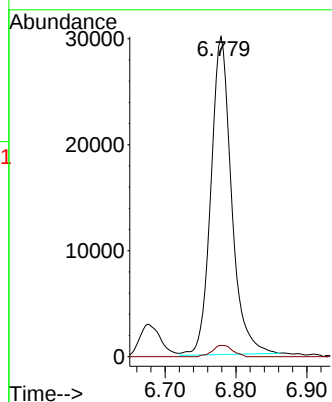
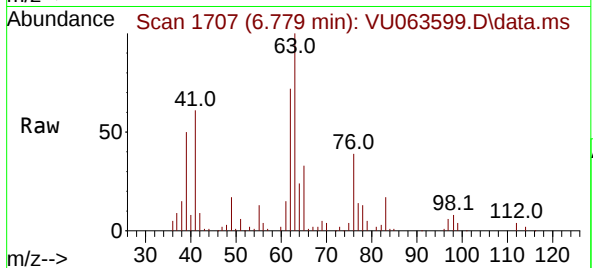
VSTD005023

Tgt Ion: 63 Resp: 60605

Ion Ratio Lower Upper

63 100

112 3.5 2.8 4.2



#38

Bromodichloromethane

Concen: 5.051 ug/L

RT: 7.094 min Scan# 1805

Delta R.T. -0.003 min

Lab File: VU063599.D

Acq: 17 Sep 2025 10:20

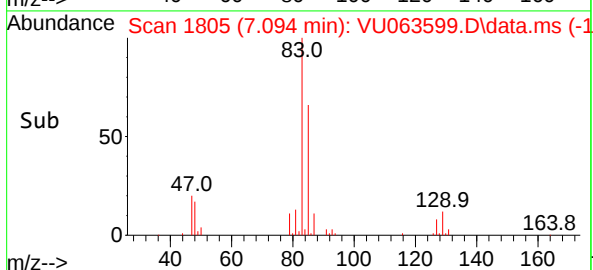
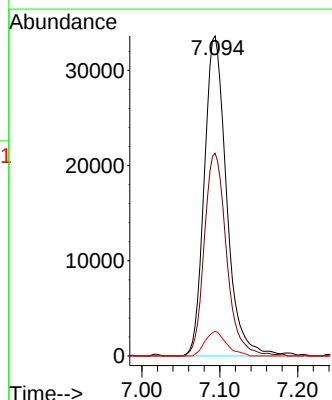
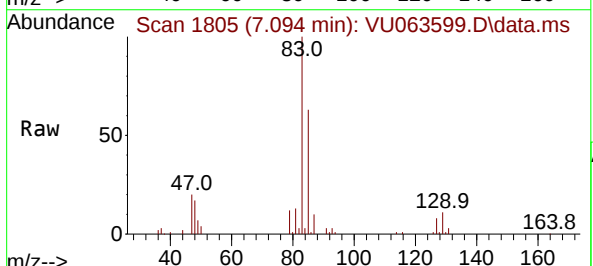
Tgt Ion: 83 Resp: 66682

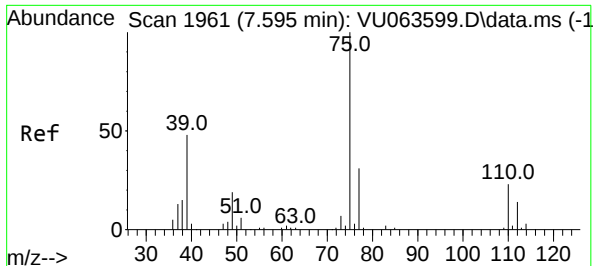
Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4

127 7.7 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 4.983 ug/L

RT: 7.595 min Scan# 1961

Delta R.T. -0.003 min

Lab File: VU063599.D

Acq: 17 Sep 2025 10:20

Instrument :

MSVOA_U

ClientSampleId :

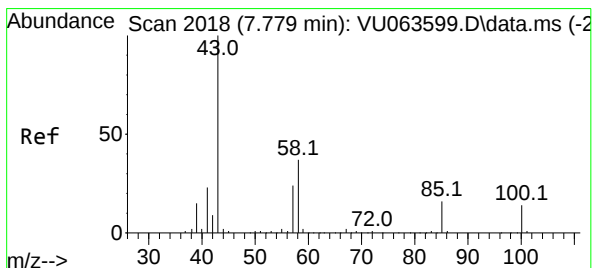
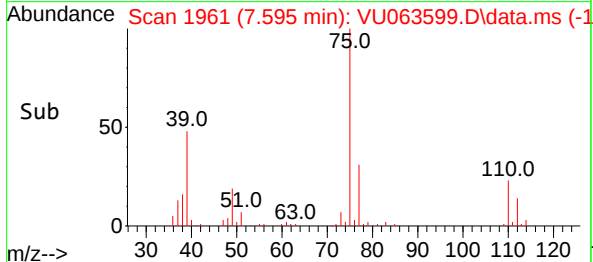
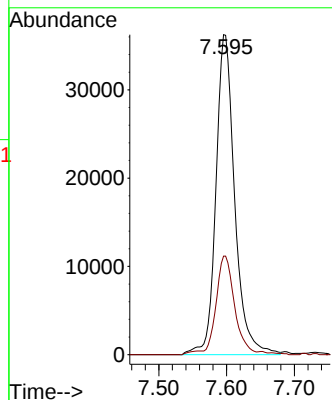
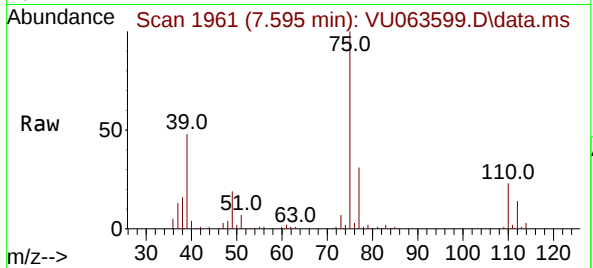
VSTD005023

Tgt Ion: 75 Resp: 69761

Ion Ratio Lower Upper

75 100

77 30.8 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 50.881 ug/L

RT: 7.779 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VU063599.D

Acq: 17 Sep 2025 10:20

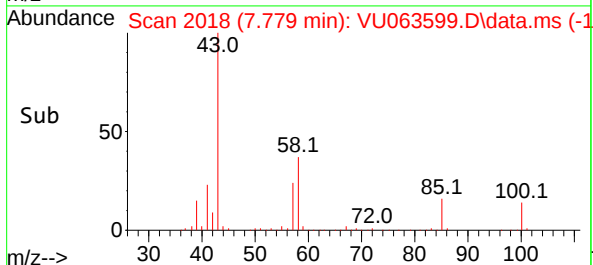
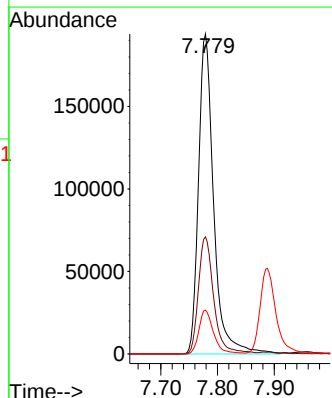
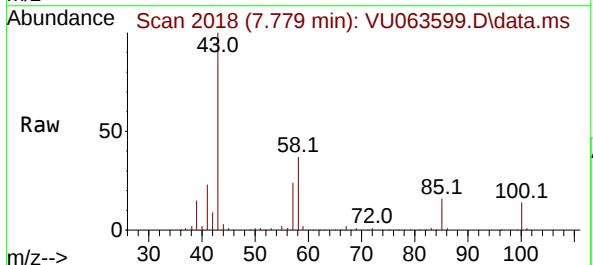
Tgt Ion: 43 Resp: 359494

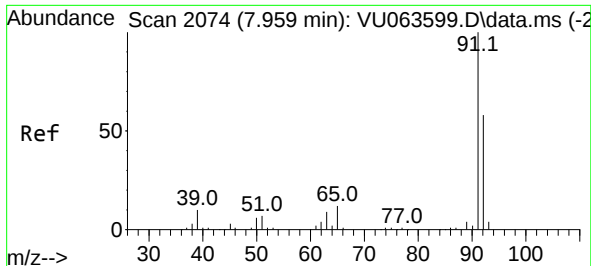
Ion Ratio Lower Upper

43 100

58 37.0 29.6 44.4

100 13.3 10.6 16.0





#42

Toluene

Concen: 4.965 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. -0.003 min

Lab File: VU063599.D

Acq: 17 Sep 2025 10:20

Instrument :

MSVOA_U

ClientSampleId :

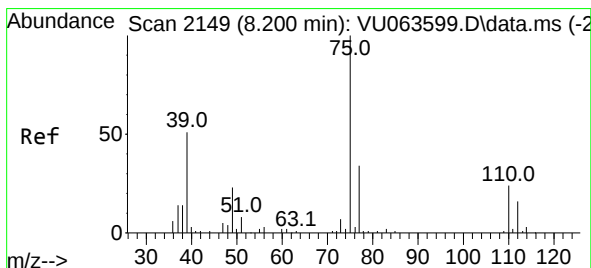
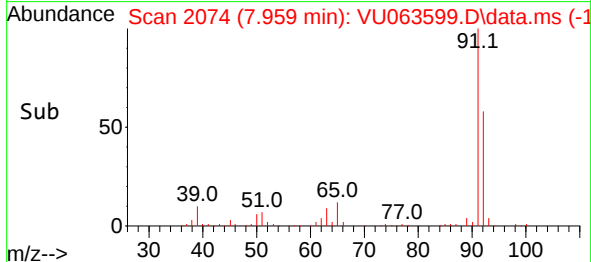
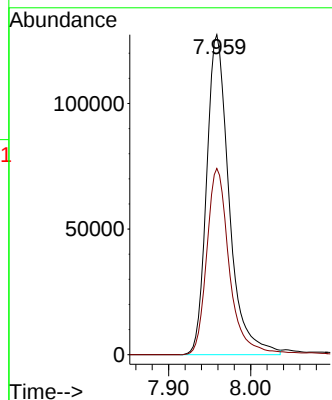
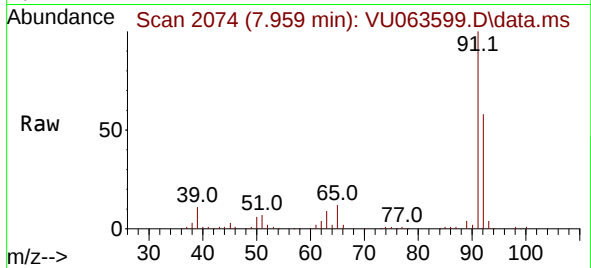
VSTD005023

Tgt Ion: 91 Resp: 242676

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 4.887 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. -0.003 min

Lab File: VU063599.D

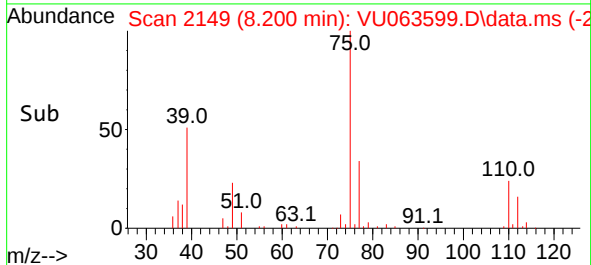
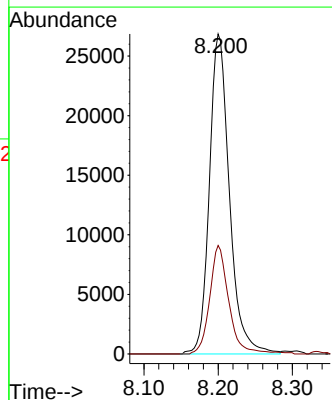
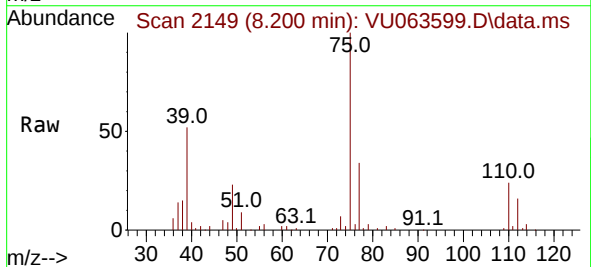
Acq: 17 Sep 2025 10:20

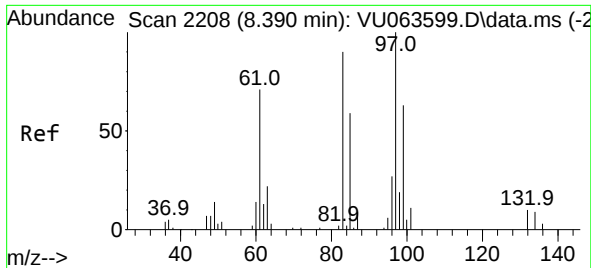
Tgt Ion: 75 Resp: 50262

Ion Ratio Lower Upper

75 100

77 33.9 23.7 44.1

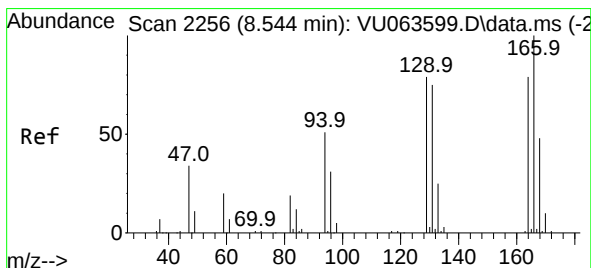
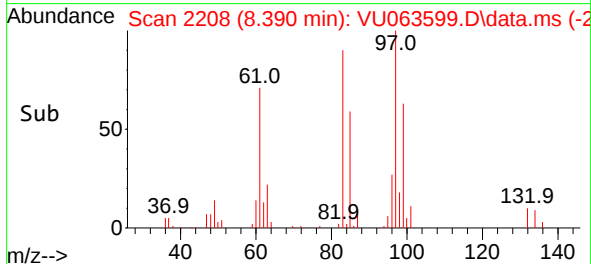
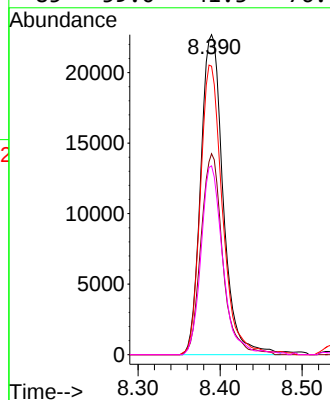
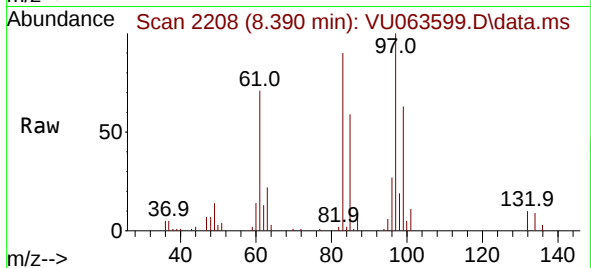




#45
1,1,2-Trichloroethane
Concen: 5.095 ug/L
RT: 8.390 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

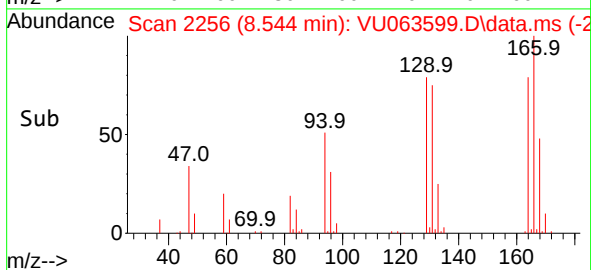
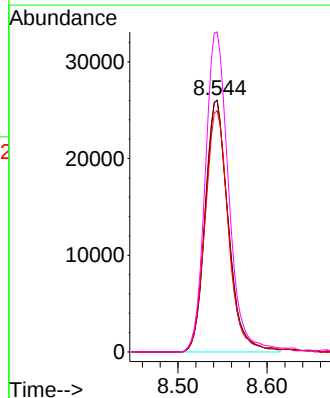
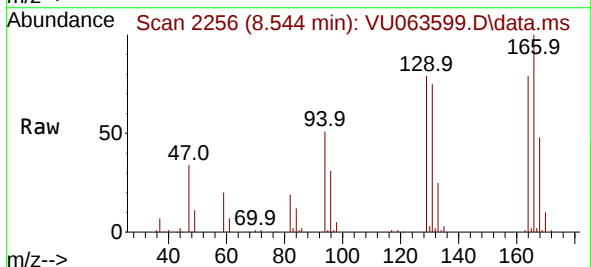
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

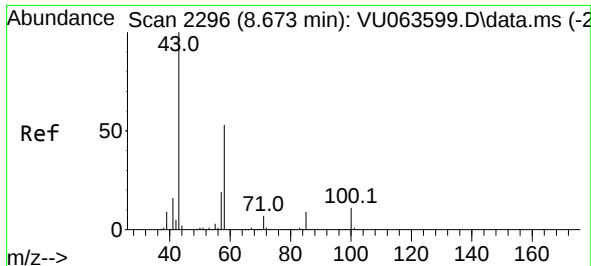
Tgt Ion:	97	Resp:	43057
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.0	81.6
83	90.2	63.1	117.3
85	59.0	41.3	76.7



#47
Tetrachloroethene
Concen: 4.892 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

Tgt Ion:	164	Resp:	46675
Ion	Ratio	Lower	Upper
164	100		
129	100.0	70.0	130.0
131	95.8	67.1	124.5
166	127.1	89.0	165.2



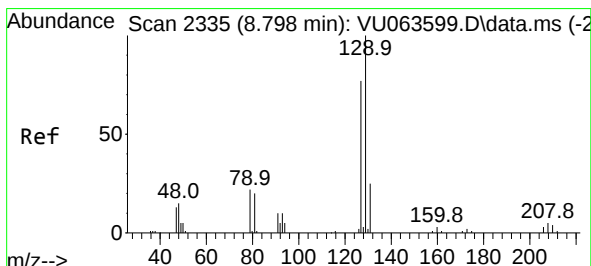
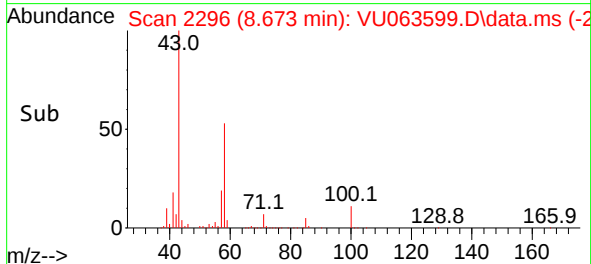
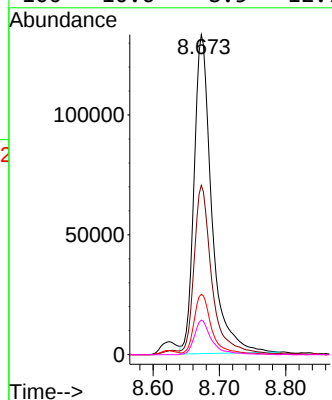
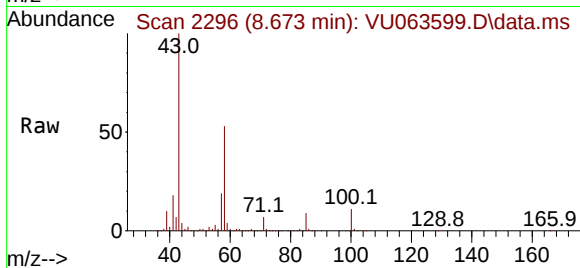


#48
2-Hexanone
Concen: 51.355 ug/L
RT: 8.673 min Scan# 2296
Delta R.T. 0.000 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

Tgt Ion: 43 Resp: 246679

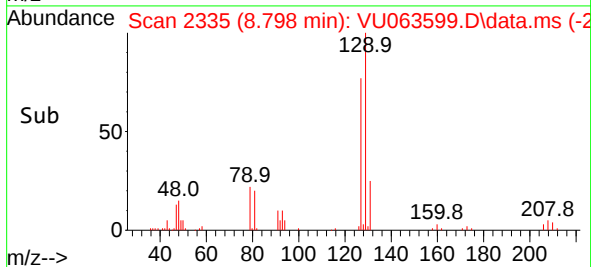
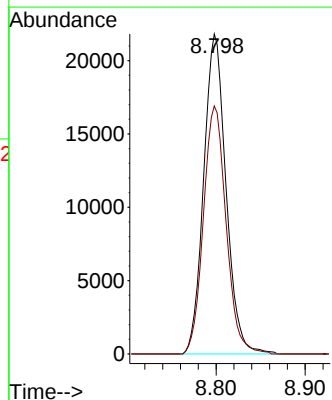
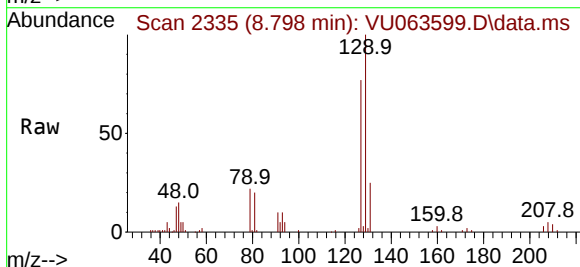
Ion	Ratio	Lower	Upper
43	100		
58	52.7	42.2	63.2
57	18.7	15.0	22.4
100	10.6	8.5	12.7

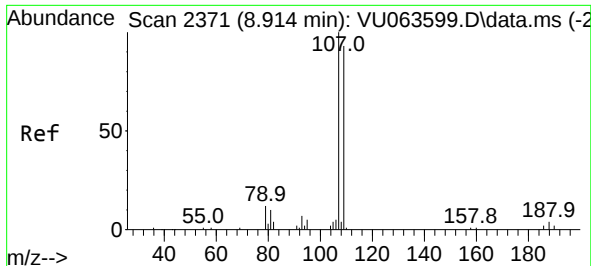


#49
Dibromochloromethane
Concen: 4.910 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

Tgt Ion: 129 Resp: 37934

Ion	Ratio	Lower	Upper
129	100		
127	77.5	54.3	100.8





#50

1,2-Dibromoethane

Concen: 5.175 ug/L

RT: 8.914 min Scan# 2371

Delta R.T. 0.000 min

Lab File: VU063599.D

Acq: 17 Sep 2025 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005023

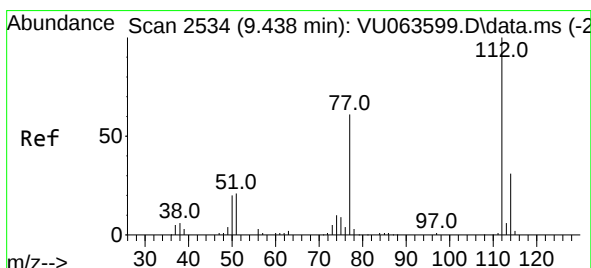
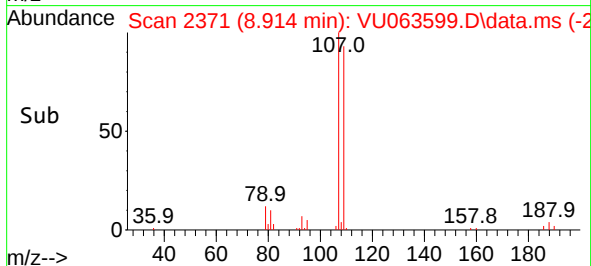
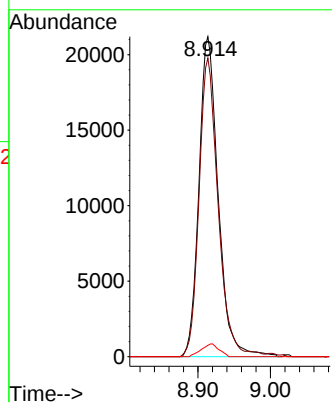
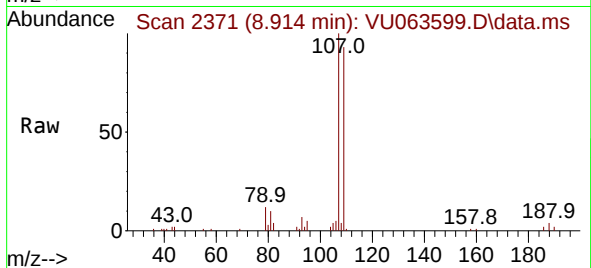
Tgt Ion:107 Resp: 39012

Ion Ratio Lower Upper

107 100

109 93.4 65.4 121.4

188 3.5 2.8 4.2



#51

Chlorobenzene

Concen: 5.000 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. 0.000 min

Lab File: VU063599.D

Acq: 17 Sep 2025 10:20

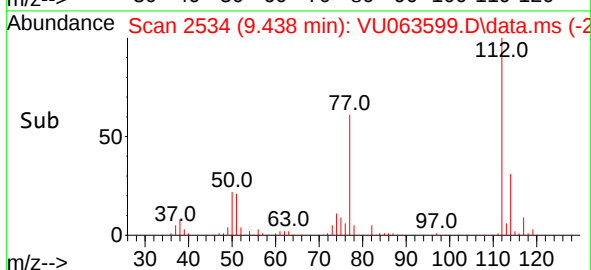
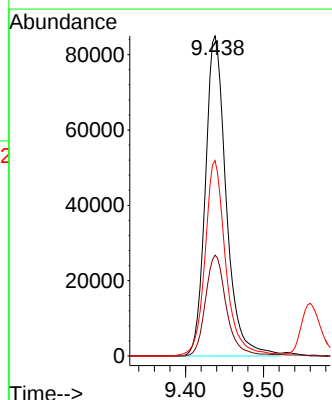
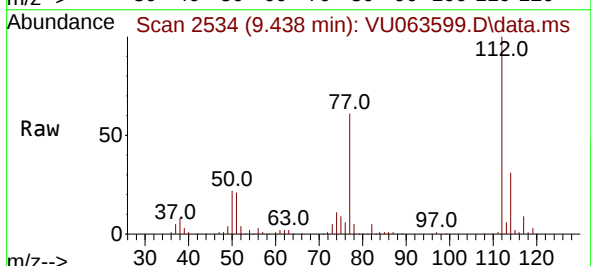
Tgt Ion:112 Resp: 158240

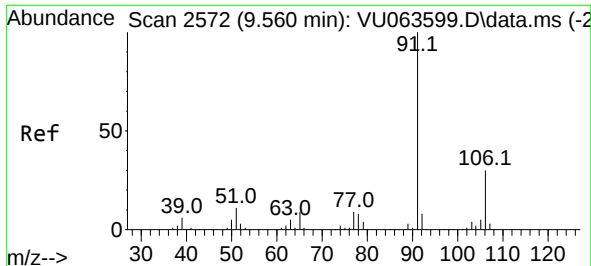
Ion Ratio Lower Upper

112 100

114 31.5 22.0 41.0

77 61.1 48.9 73.3

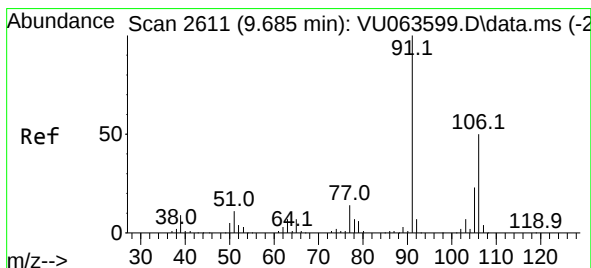
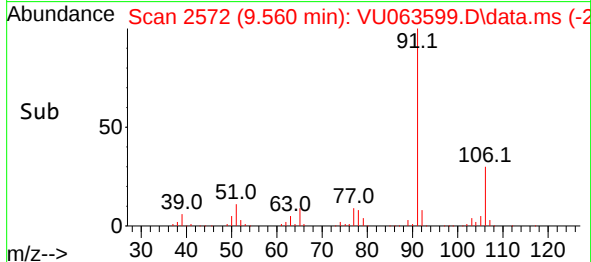
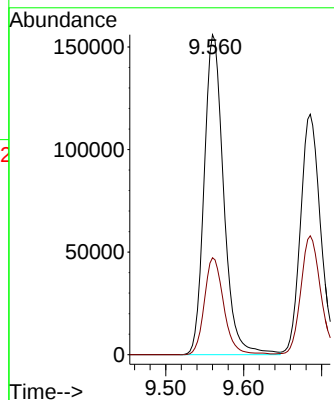
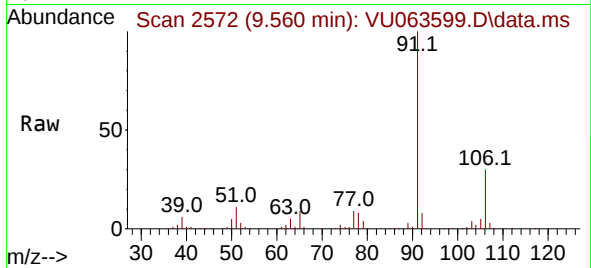




#52
Ethylbenzene
Concen: 5.039 ug/L
RT: 9.560 min Scan# 21087
Delta R.T. -0.003 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

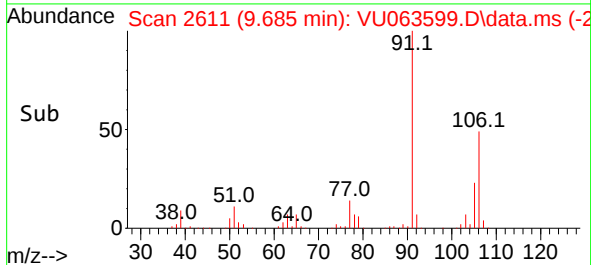
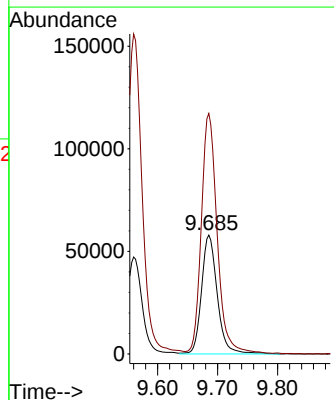
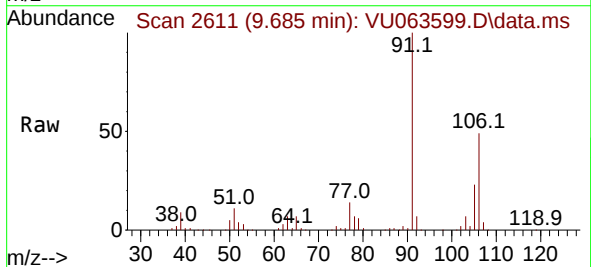
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

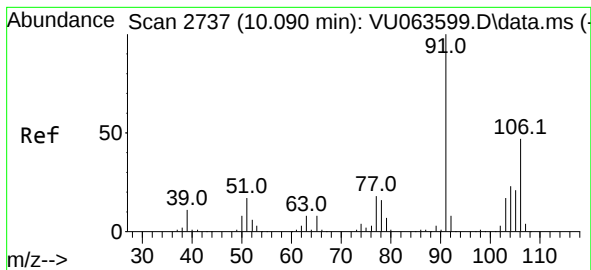
Tgt Ion: 91 Resp: 271087
Ion Ratio Lower Upper
91 100
106 30.3 21.2 39.4



#53
m,p-Xylene
Concen: 5.253 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

Tgt Ion:106 Resp: 106009
Ion Ratio Lower Upper
106 100
91 202.1 141.5 262.7





#54

o-Xylene

Concen: 5.181 ug/L

RT: 10.090 min Scan# 2737

Delta R.T. -0.003 min

Lab File: VU063599.D

Acq: 17 Sep 2025 10:20

Instrument :

MSVOA_U

ClientSampleId :

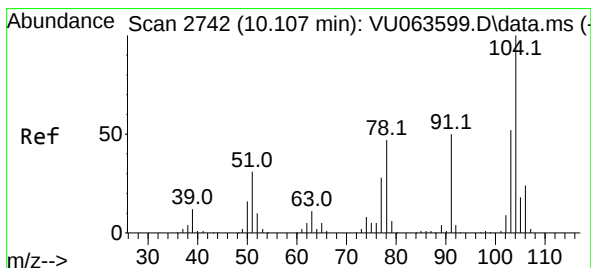
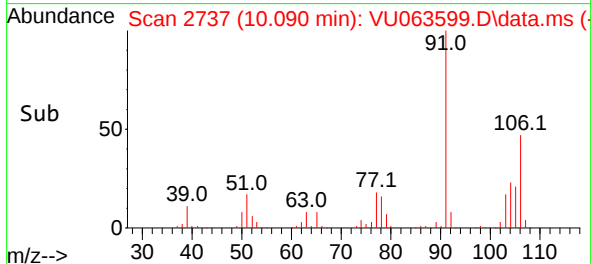
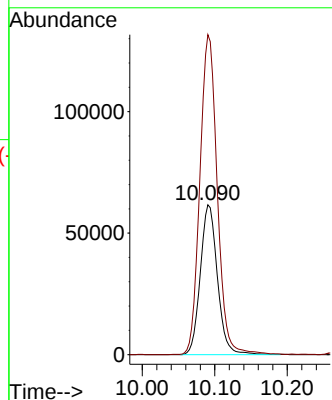
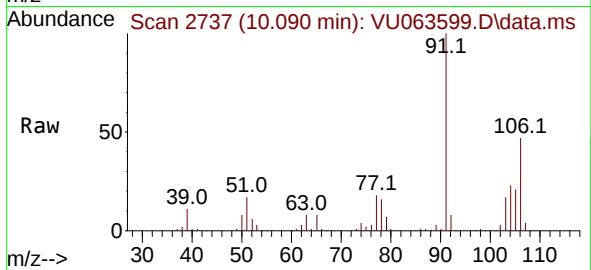
VSTD005023

Tgt Ion:106 Resp: 101178

Ion Ratio Lower Upper

106 100

91 213.4 149.4 277.4



#55

Styrene

Concen: 5.191 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU063599.D

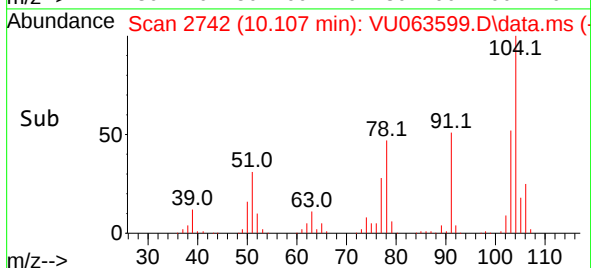
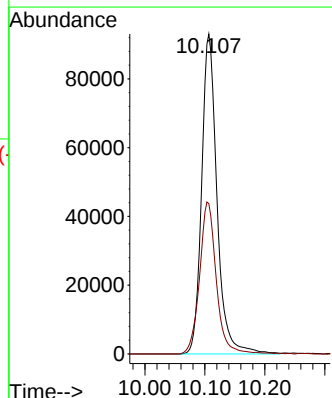
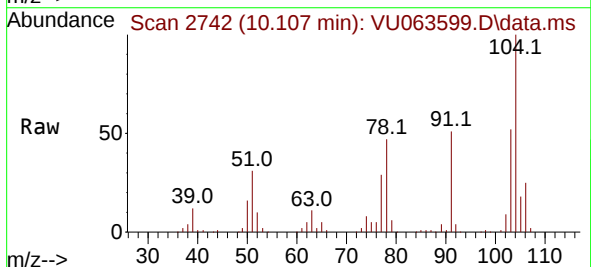
Acq: 17 Sep 2025 10:20

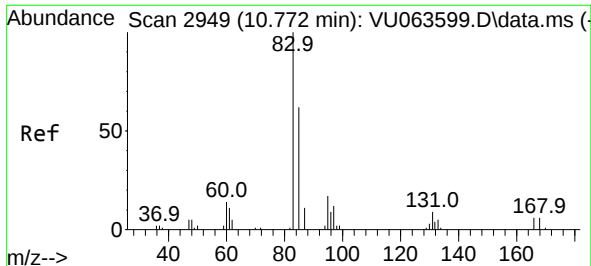
Tgt Ion:104 Resp: 166308

Ion Ratio Lower Upper

104 100

78 46.9 32.8 61.0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.971 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU063599.D

Acq: 17 Sep 2025 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005023

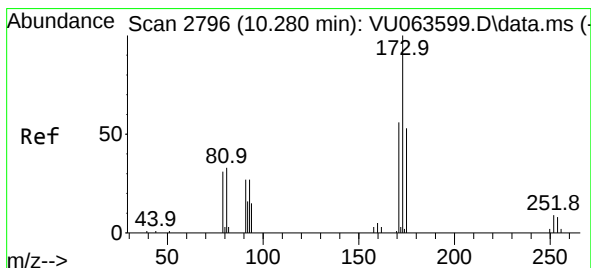
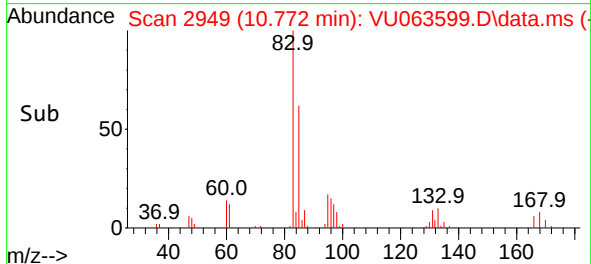
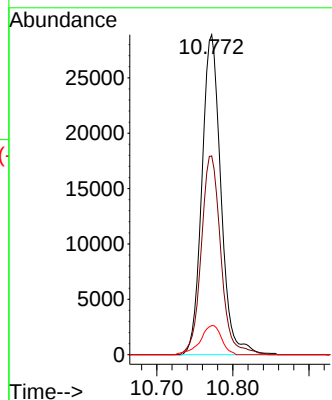
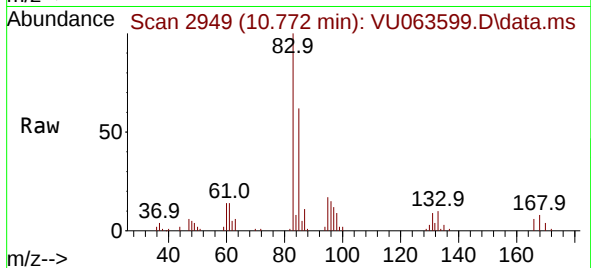
Tgt Ion: 83 Resp: 50182

Ion Ratio Lower Upper

83 100

85 62.1 43.5 80.7

131 9.1 7.3 10.9



#59

Bromoform

Concen: 4.888 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. -0.003 min

Lab File: VU063599.D

Acq: 17 Sep 2025 10:20

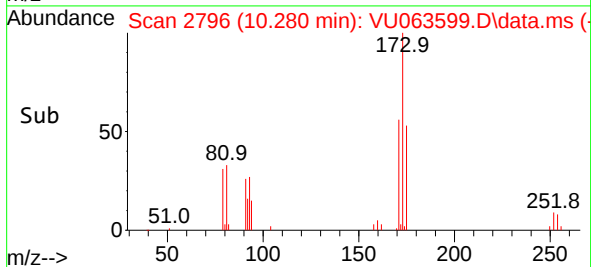
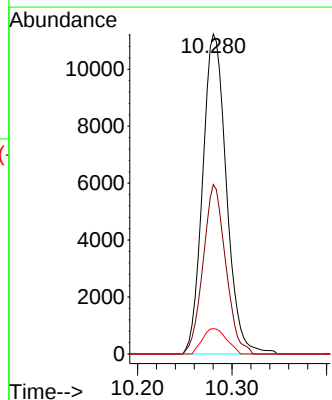
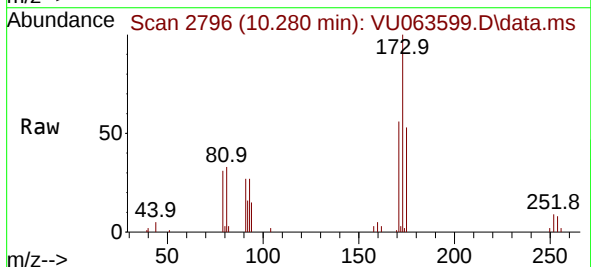
Tgt Ion: 173 Resp: 19591

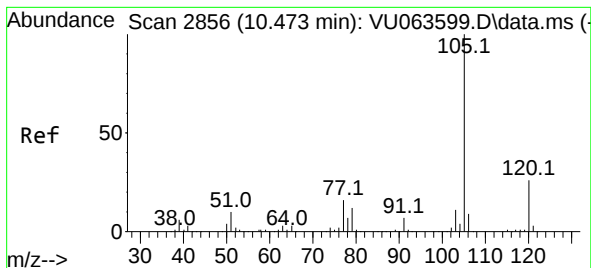
Ion Ratio Lower Upper

173 100

175 50.4 40.3 60.5

254 8.0 6.4 9.6





#60

Isopropylbenzene

Concen: 5.104 ug/L

RT: 10.473 min Scan# 2856

Delta R.T. -0.003 min

Lab File: VU063599.D

Acq: 17 Sep 2025 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005023

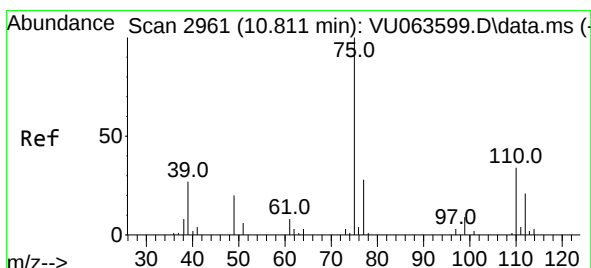
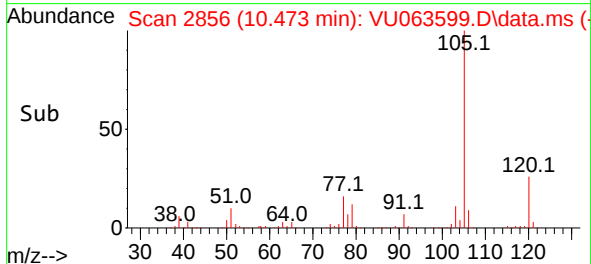
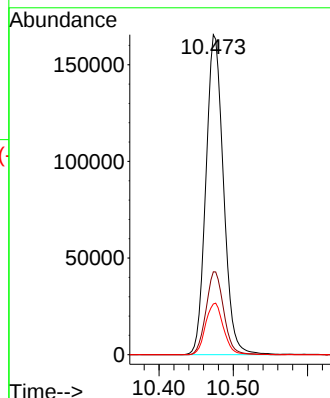
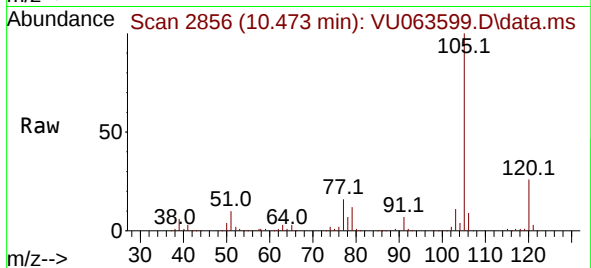
Tgt Ion:105 Resp: 271839

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

77 16.5 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 5.103 ug/L

RT: 10.811 min Scan# 2961

Delta R.T. -0.003 min

Lab File: VU063599.D

Acq: 17 Sep 2025 10:20

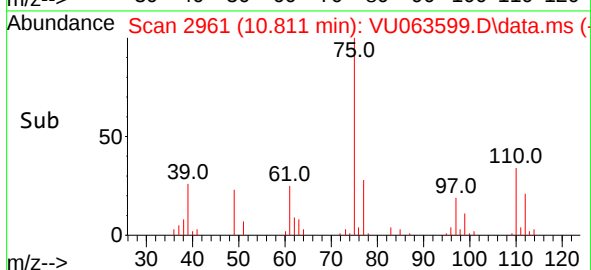
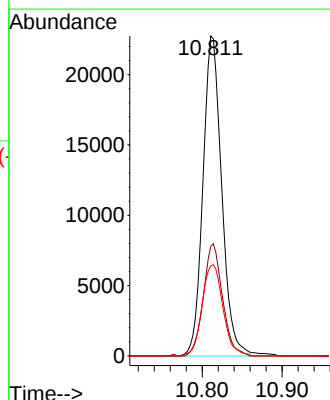
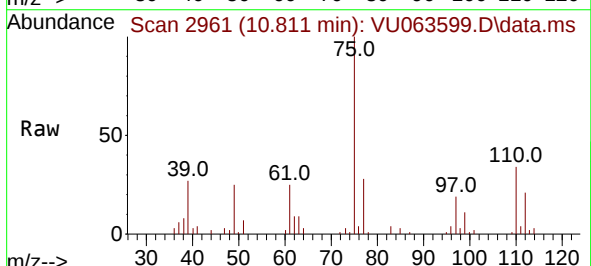
Tgt Ion: 75 Resp: 37448

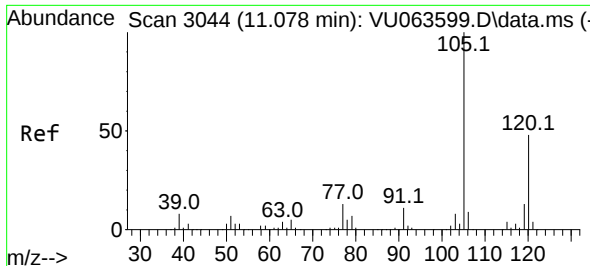
Ion Ratio Lower Upper

75 100

110 35.4 28.3 42.5

77 31.5 25.2 37.8





#62

1,3,5-Trimethylbenzene

Concen: 5.134 ug/L

RT: 11.078 min Scan# 3044

Delta R.T. -0.003 min

Lab File: VU063599.D

Acq: 17 Sep 2025 10:20

Instrument :

MSVOA_U

ClientSampleId :

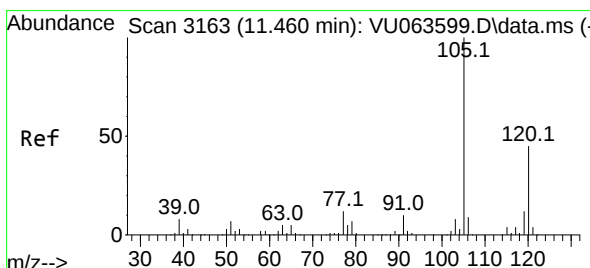
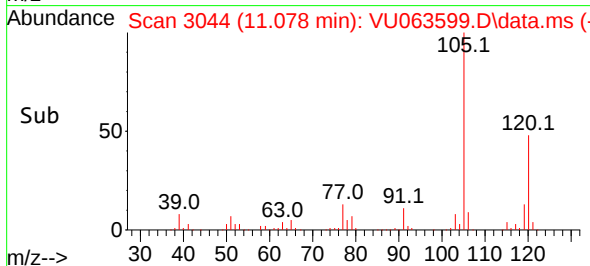
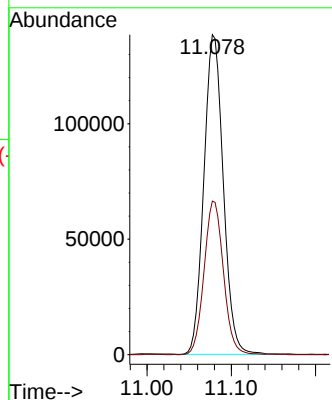
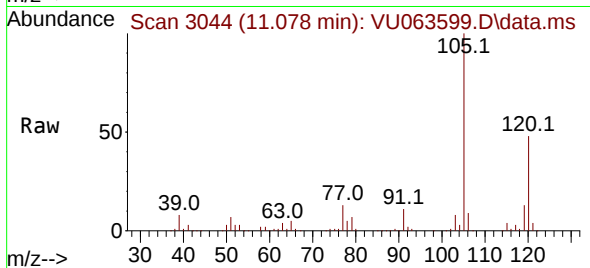
VSTD005023

Tgt Ion:105 Resp: 222351

Ion Ratio Lower Upper

105 100

120 48.0 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 5.148 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU063599.D

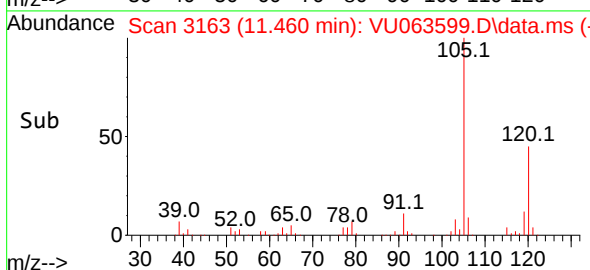
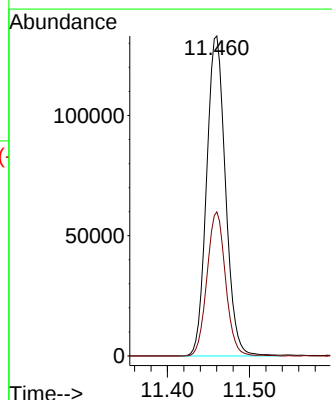
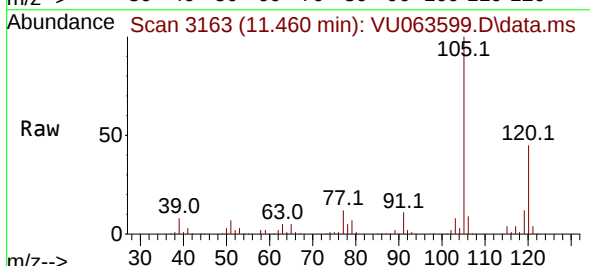
Acq: 17 Sep 2025 10:20

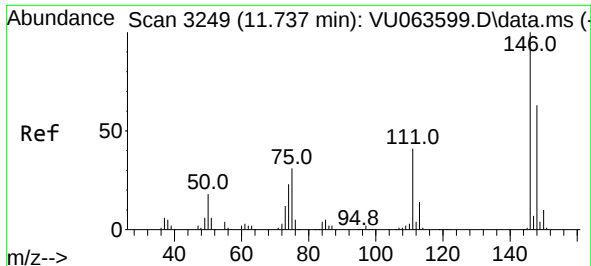
Tgt Ion:105 Resp: 212913

Ion Ratio Lower Upper

105 100

120 44.1 35.3 52.9

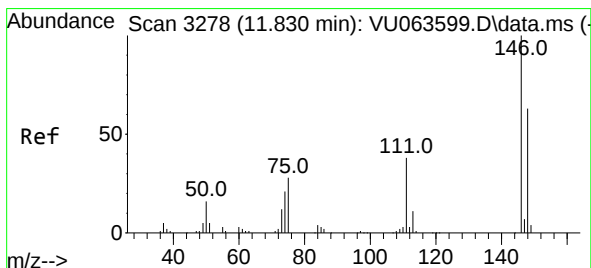
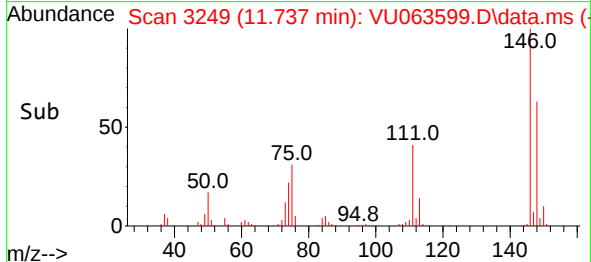
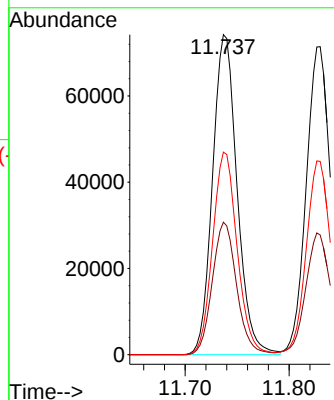
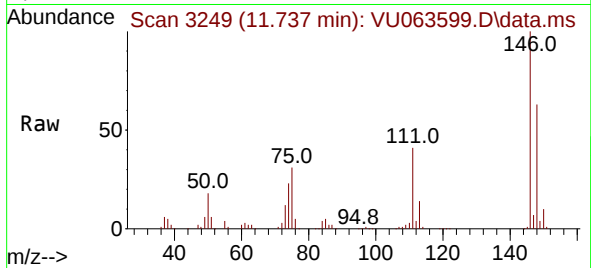




#64
1,3-Dichlorobenzene
Concen: 5.107 ug/L
RT: 11.737 min Scan# 3249
Delta R.T. -0.003 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

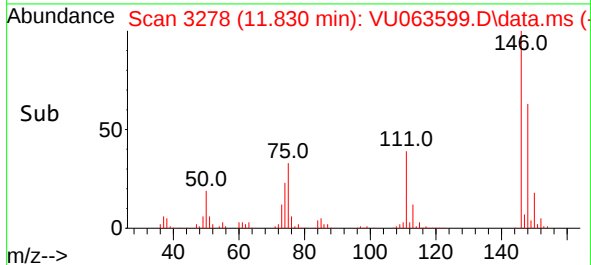
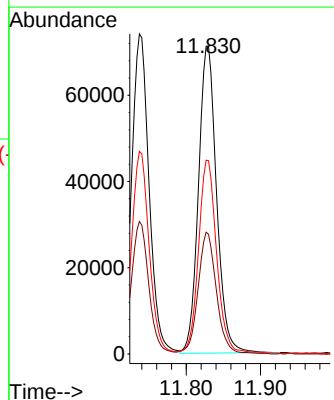
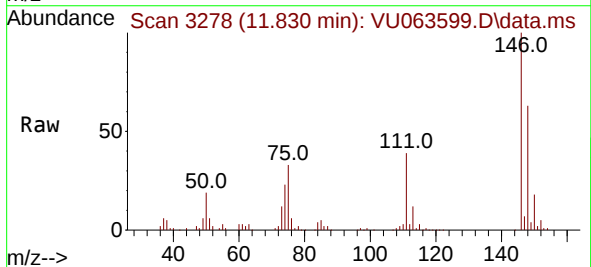
Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

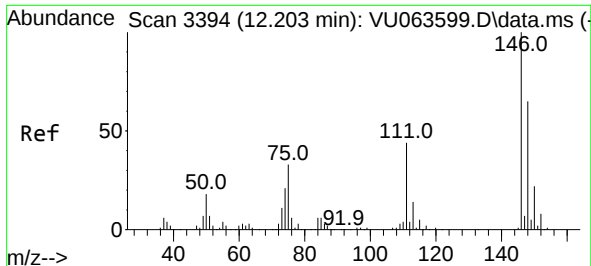
Tgt Ion:146 Resp: 121890
Ion Ratio Lower Upper
146 100
111 41.4 29.0 53.8
148 63.3 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.014 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

Tgt Ion:146 Resp: 120820
Ion Ratio Lower Upper
146 100
111 38.8 27.2 50.4
148 62.8 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 5.043 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU063599.D

Acq: 17 Sep 2025 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005023

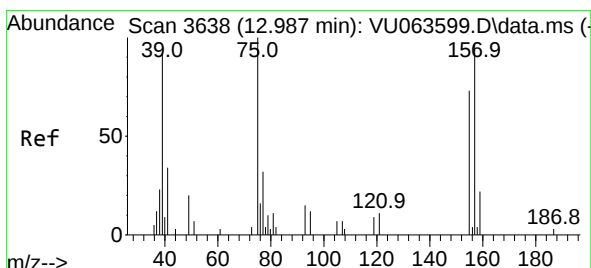
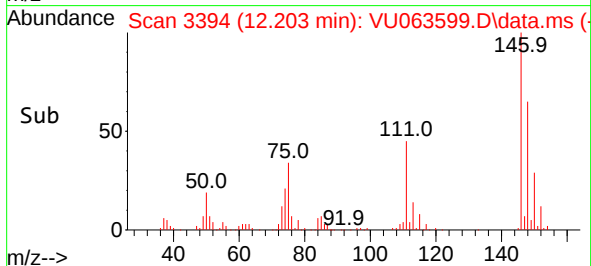
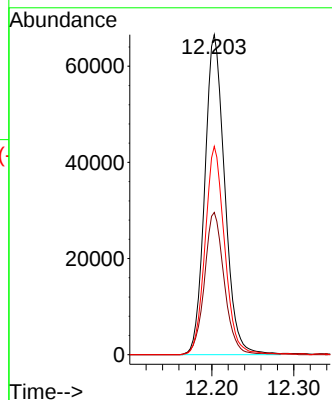
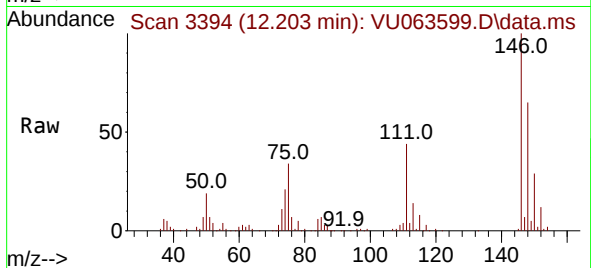
Tgt Ion:146 Resp: 112358

Ion Ratio Lower Upper

146 100

111 44.4 35.5 53.3

148 65.1 52.1 78.1



#68

1,2-Dibromo-3-chloropropane

Concen: 5.331 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU063599.D

Acq: 17 Sep 2025 10:20

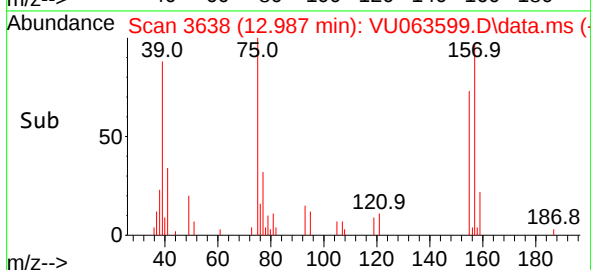
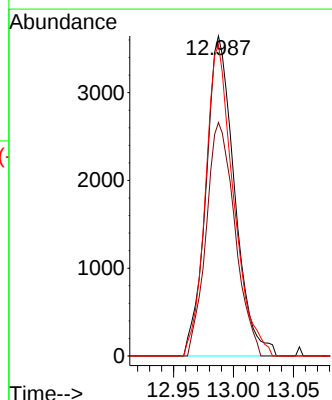
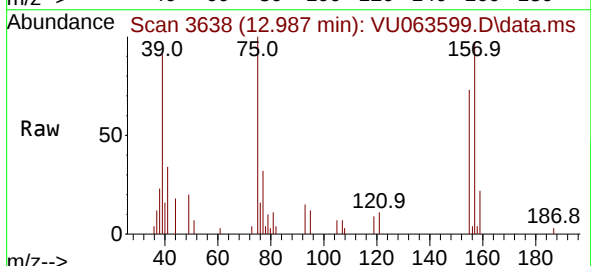
Tgt Ion: 75 Resp: 6041

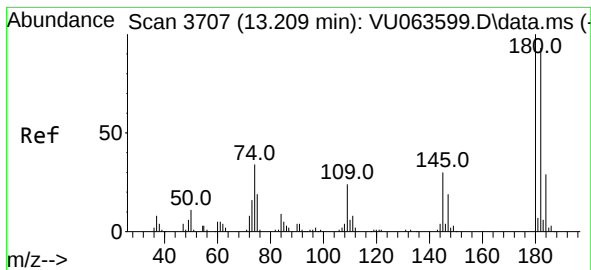
Ion Ratio Lower Upper

75 100

155 73.0 58.4 87.6

157 97.3 77.8 116.8





#69

1,3,5-Trichlorobenzene

Concen: 4.995 ug/L

RT: 13.209 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU063599.D

Acq: 17 Sep 2025 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD005023

Tgt Ion:180 Resp: 89219

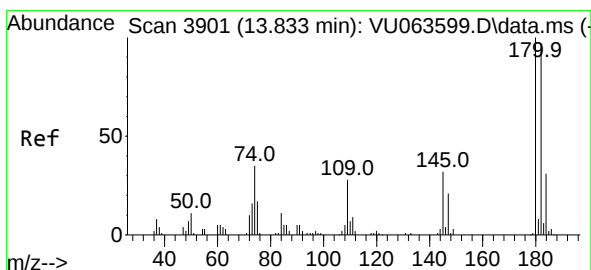
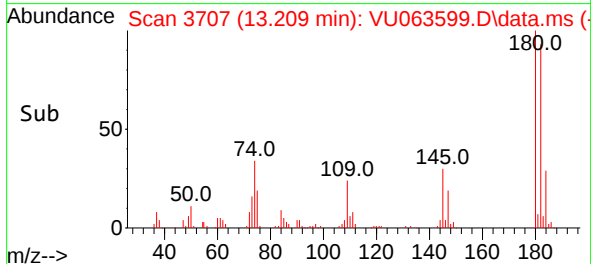
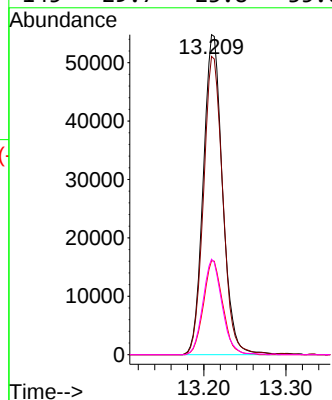
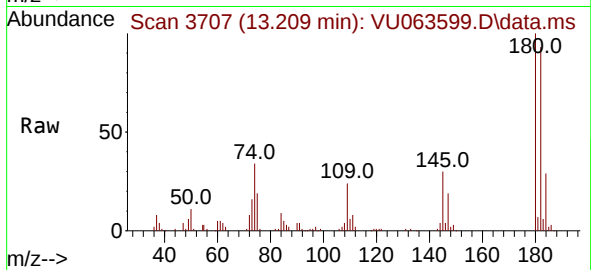
Ion Ratio Lower Upper

180 100

182 93.2 74.6 111.8

184 29.3 23.4 35.2

145 29.7 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 4.776 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU063599.D

Acq: 17 Sep 2025 10:20

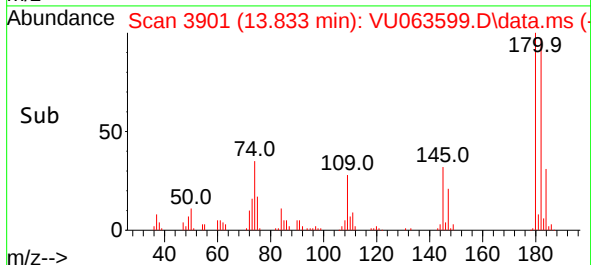
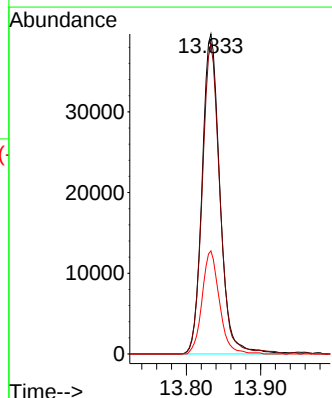
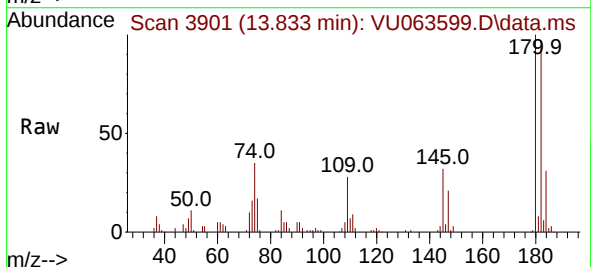
Tgt Ion:180 Resp: 65841

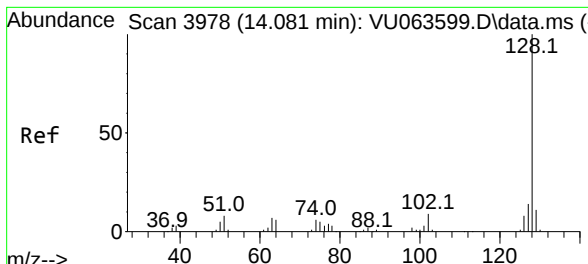
Ion Ratio Lower Upper

180 100

182 95.7 76.6 114.8

145 31.2 25.0 37.4

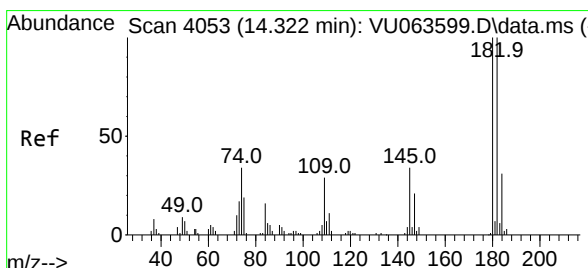
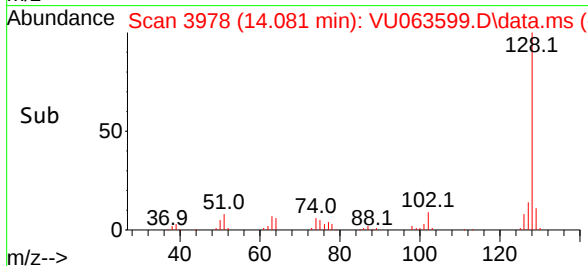
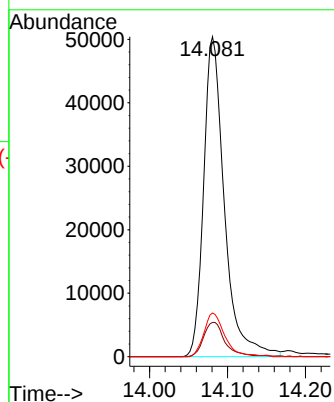
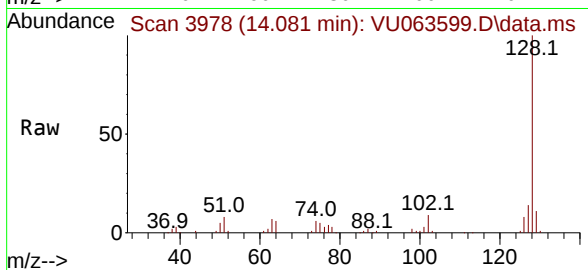




#71
Naphthalene
Concen: 4.530 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. -0.003 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD005023

Tgt Ion:128	Resp:	93440
Ion Ratio	Lower	Upper
128	100	
129	11.0	8.8 13.2
127	13.7	11.0 16.4



#72
1,2,3-Trichlorobenzene
Concen: 4.838 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU063599.D
Acq: 17 Sep 2025 10:20

Tgt Ion:180	Resp:	57258
Ion Ratio	Lower	Upper
180	100	
182	97.7	78.2 117.2
145	32.5	26.0 39.0

