

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012725\
 Data File : VU063056.D
 Acq On : 28 Jan 2025 08:33
 Operator : MD/SY
 Sample : Q1196-03MSD
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 29 08:23:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 29 08:16:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.312	114	128378	5.000	ug/L	0.07
28) Chlorobenzene-d5	9.421	117	120477	5.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.804	152	70410	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.669	65	11704	2.536	ug/L	0.07
Spiked Amount	5.000	Range	40 - 130	Recovery	=	50.800%
7) Chloroethane-d5	1.981	69	12180	3.476	ug/L	0.08
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.600%
11) 1,1-Dichloroethene-d2	2.644	65	7549	2.735	ug/L	0.09
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.800%#
20) 2-Butanone-d5	4.746	46	15802	11.798	ug/L	0.14
Spiked Amount	50.000	Range	40 - 130	Recovery	=	23.600%#
24) Chloroform-d	5.119	84	58577	3.195	ug/L	0.07
Spiked Amount	5.000	Range	70 - 125	Recovery	=	64.000%#
26) 1,2-Dichloroethane-d4	5.788	65	32738	3.128	ug/L	0.10
Spiked Amount	5.000	Range	70 - 130	Recovery	=	62.600%#
32) Benzene-d6	5.807	84	87731	3.187	ug/L	0.09
Spiked Amount	5.000	Range	70 - 125	Recovery	=	63.800%#
36) 1,2-Dichloropropane-d6	6.743	67	21609	3.083	ug/L	0.07
Spiked Amount	5.000	Range	60 - 140	Recovery	=	61.600%
41) Toluene-d8	7.923	98	91048	3.345	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.800%#
43) trans-1,3-Dichloroprop...	8.200	79	13696	3.156	ug/L	0.03
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.200%
46) 2-Hexanone-d5	8.650	63	37792	34.902	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	69.800%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	21860	3.284	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	65.600%
66) 1,2-Dichlorobenzene-d4	12.183	152	42793	3.395	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	68.000%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.454	85	40059	3.483	ug/L	100
3) Chloromethane	1.454	50	4156	0.751	ug/L #	40
5) Vinyl chloride	1.676	62	19199	3.109	ug/L	93
6) Bromomethane	1.927	94	8636	2.923	ug/L	91
8) Chloroethane	2.001	64	14972	4.801	ug/L	91
9) Trichlorofluoromethane	2.210	101	55843	3.577	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.656	101	26398	3.436	ug/L #	84
12) 1,1-Dichloroethene	2.656	96	22321	3.347	ug/L	79
13) Acetone	2.782	43	42054	48.557	ug/L	61
14) Carbon disulfide	2.869	76	62702	3.670	ug/L	99
15) Methyl Acetate	3.068	43	8244	4.957	ug/L #	84
16) Methylene chloride	3.129	84	22618	3.217	ug/L	89
17) Methyl tert-butyl Ether	3.473	73	61032	3.055	ug/L	95
18) trans-1,2-Dichloroethene	3.438	96	24330	3.409	ug/L	90
19) 1,1-Dichloroethane	3.955	63	40638	3.285	ug/L	91
21) 2-Butanone	4.824	43	33748	28.570	ug/L	93
22) cis-1,2-Dichloroethene	4.724	96	26264	3.079	ug/L	91
23) Bromochloromethane	5.026	128	13867	3.240	ug/L #	77
25) Chloroform	5.145	83	64017	3.582	ug/L	100

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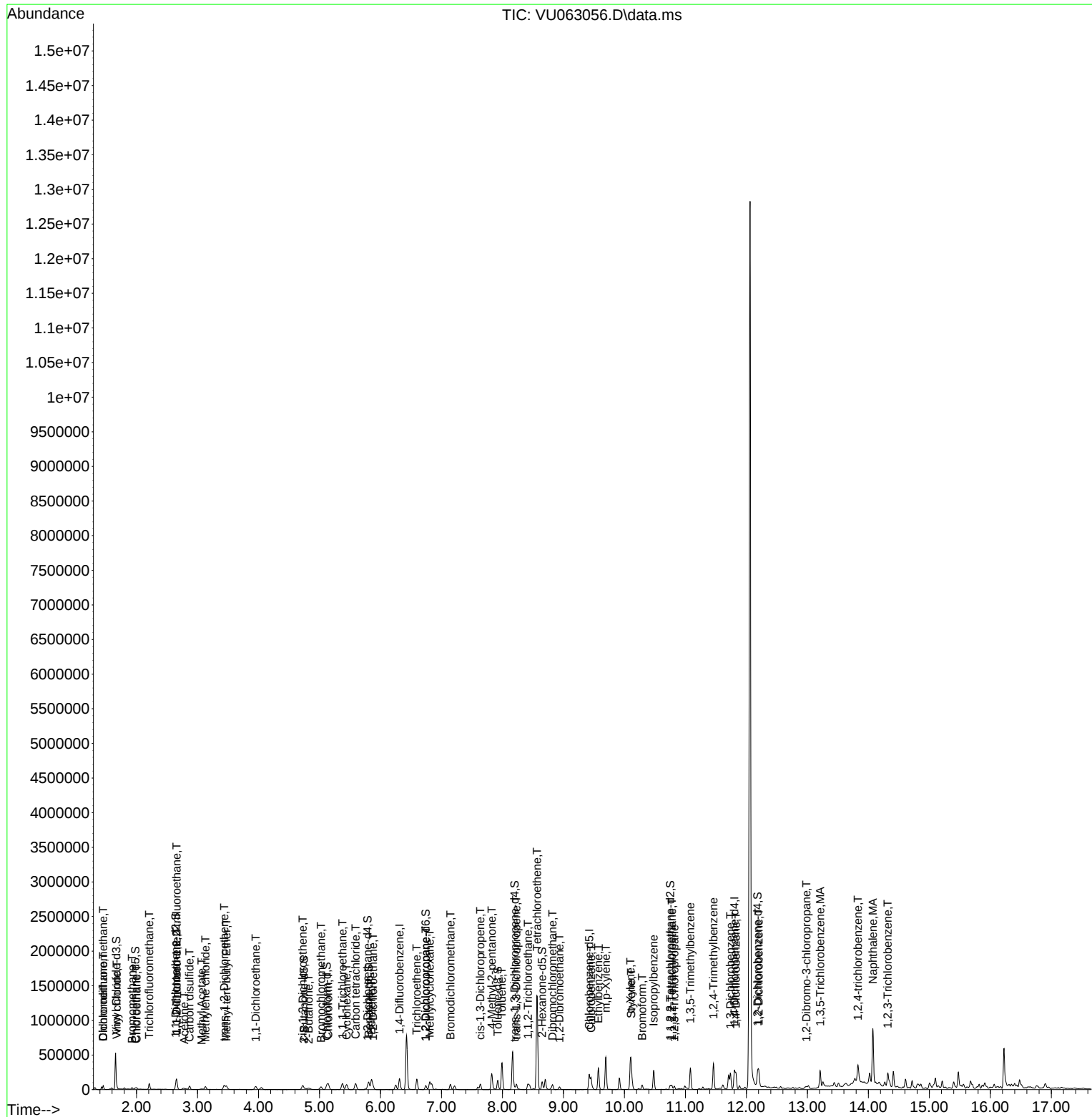
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.878	62	42822	3.418	ug/L #	96
29) 1,1,1-Trichloroethane	5.377	97	70591	3.779	ug/L	97
30) Cyclohexane	5.444	56	32652	3.752	ug/L #	76
31) Carbon tetrachloride	5.592	117	66837	3.716	ug/L	100
33) Benzene	5.852	78	128662	4.408	ug/L	100
34) Trichloroethene	6.595	95	47626	4.802	ug/L	93
35) Methylcyclohexane	6.807	83	47117	3.770	ug/L	93
37) 1,2-Dichloropropane	6.743	63	3394	0.517	ug/L #	85
38) Bromodichloromethane	7.148	83	48390	3.679	ug/L	99
39) cis-1,3-Dichloropropene	7.637	75	45243	3.661	ug/L	99
40) 4-Methyl-2-pentanone	7.823	43	117531	37.113	ug/L #	92
42) Toluene	7.991	91	282784	8.151	ug/L	99
44) trans-1,3-Dichloropropene	8.229	75	41376	3.634	ug/L	100
45) 1,1,2-Trichloroethane	8.418	97	23471	3.799	ug/L	94
47) Tetrachloroethene	8.566	164	314472	36.455	ug/L	92
49) Dibromochloromethane	8.820	129	37056	3.843	ug/L	93
50) 1,2-Dibromoethane	8.936	107	23671	3.793	ug/L #	87
51) Chlorobenzene	9.454	112	92746	3.855	ug/L	95
52) Ethylbenzene	9.573	91	217083	5.369	ug/L	99
53) m,p-Xylene	9.695	106	129597	8.300	ug/L	100
54) o-Xylene	10.100	106	99848	6.980	ug/L	96
55) Styrene	10.113	104	103853	4.294	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	25080	3.628	ug/L #	96
59) Bromoform	10.290	173	25355	3.790	ug/L #	98
60) Isopropylbenzene	10.479	105	178067	3.991	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	18563	3.276	ug/L	91
62) 1,3,5-Trimethylbenzene	11.081	105	171141	4.375	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	207257	5.602	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	91950	4.059	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	89744	3.949	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	80797	3.791	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.984	75	6481	4.325	ug/L #	66
69) 1,3,5-Trichlorobenzene	13.209	180	76732	4.240	ug/L	98
70) 1,2,4-trichlorobenzene	13.830	180	72393	5.112	ug/L	99
71) Naphthalene	14.074	128	643812	35.428	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	62514	5.109	ug/L	97

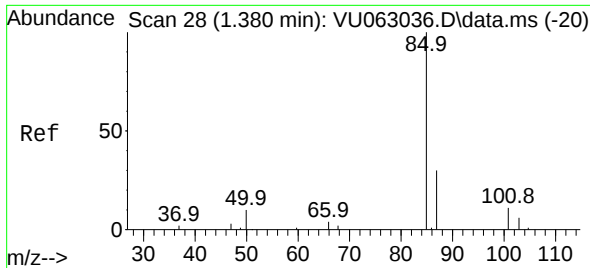
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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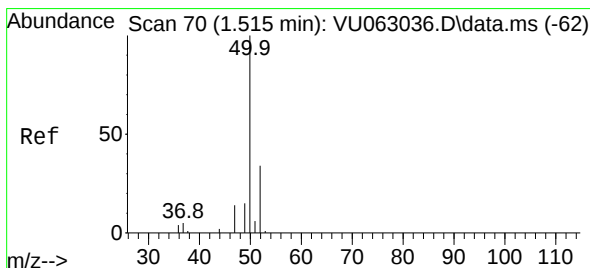
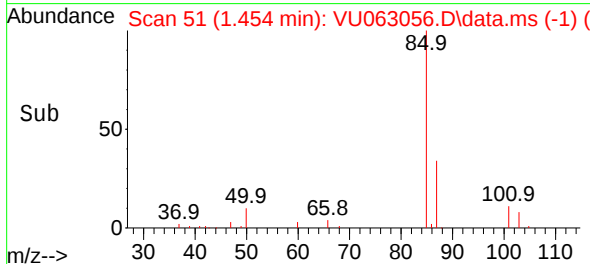
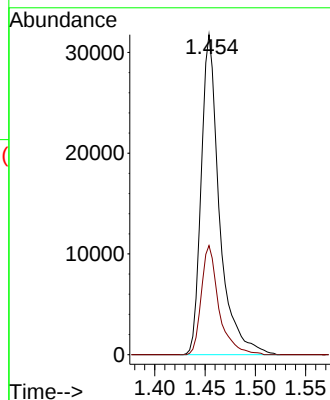
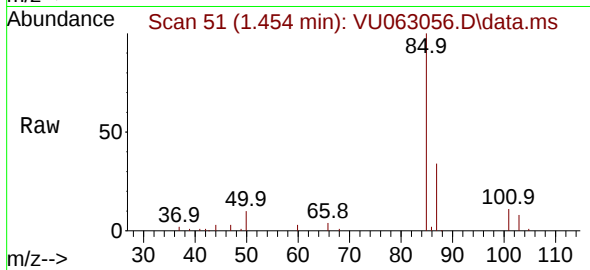




#2
 Dichlorodifluoromethane
 Concen: 3.483 ug/L
 RT: 1.454 min Scan# 51
 Delta R.T. 0.074 min
 Lab File: VU063056.D
 Acq: 28 Jan 2025 08:33

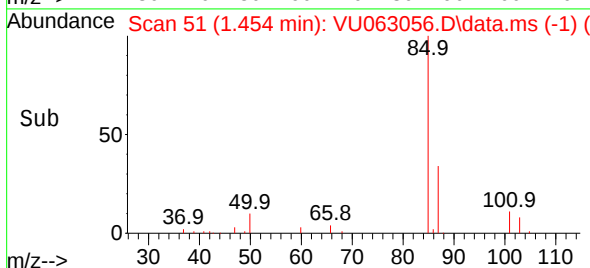
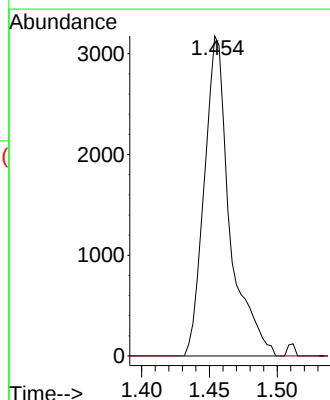
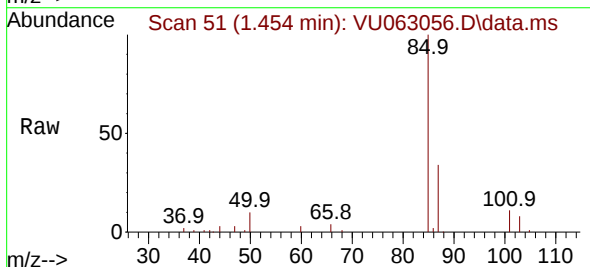
Instrument :
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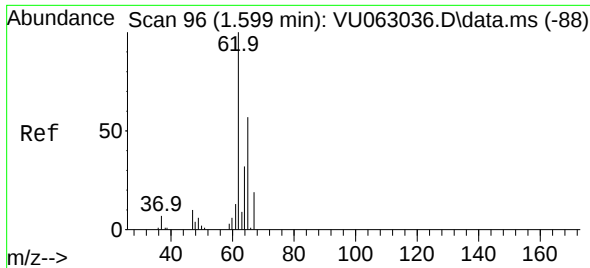
Tgt Ion: 85 Resp: 40059
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.1 39.1



#3
 Chloromethane
 Concen: 0.751 ug/L
 RT: 1.454 min Scan# 51
 Delta R.T. -0.061 min
 Lab File: VU063056.D
 Acq: 28 Jan 2025 08:33

Tgt Ion: 50 Resp: 4156
 Ion Ratio Lower Upper
 50 100
 52 0.0 24.1 44.7#

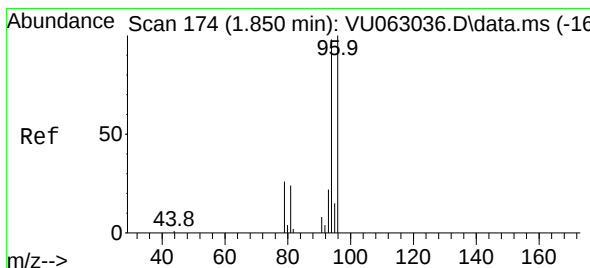
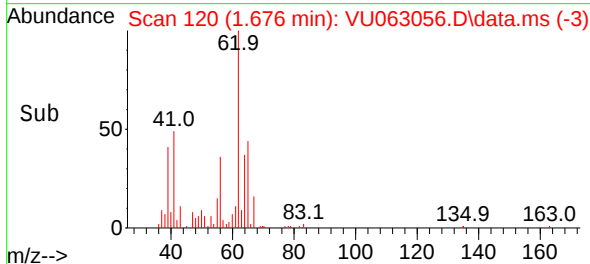
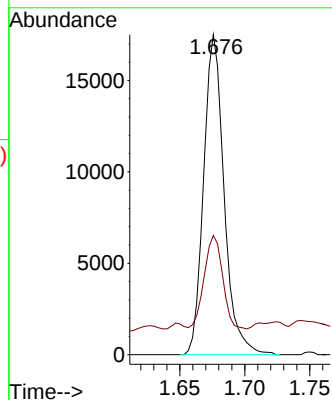
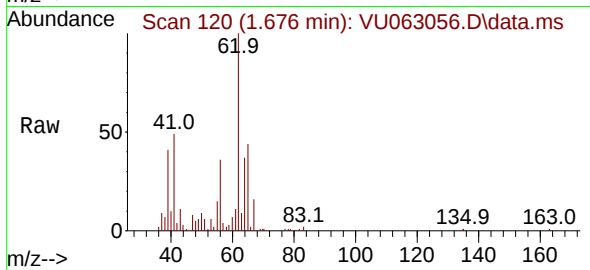




#5
 Vinyl chloride
 Concen: 3.109 ug/L
 RT: 1.676 min Scan# 11
 Delta R.T. 0.077 min
 Lab File: VU063056.D
 Acq: 28 Jan 2025 08:33

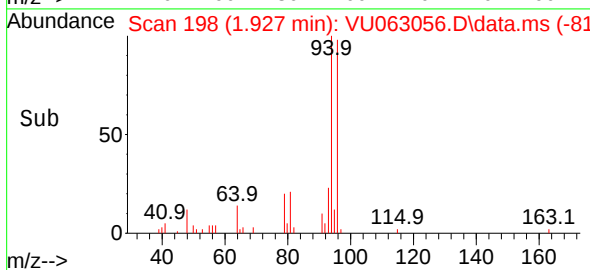
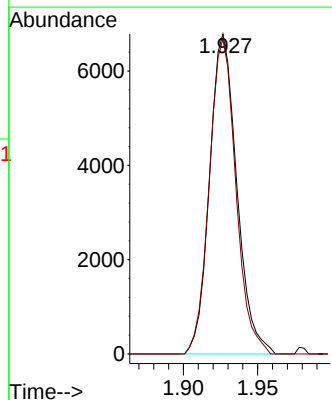
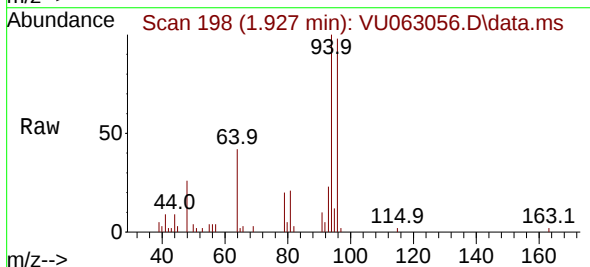
Instrument :
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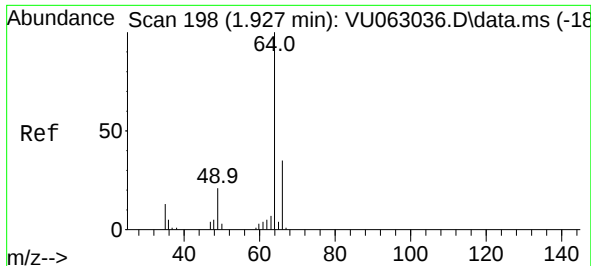
Tgt Ion: 62 Resp: 19199
 Ion Ratio Lower Upper
 62 100
 64 37.3 23.4 43.4



#6
 Bromomethane
 Concen: 2.923 ug/L
 RT: 1.927 min Scan# 198
 Delta R.T. 0.077 min
 Lab File: VU063056.D
 Acq: 28 Jan 2025 08:33

Tgt Ion: 94 Resp: 8636
 Ion Ratio Lower Upper
 94 100
 96 98.4 62.9 116.7

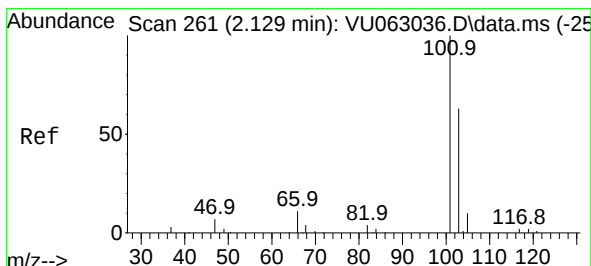
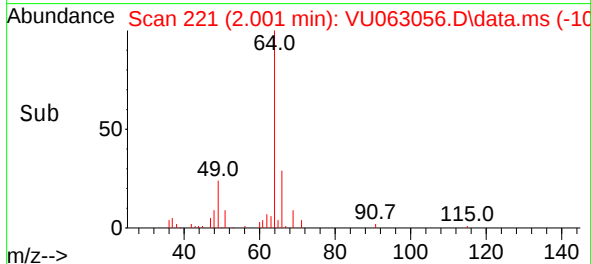
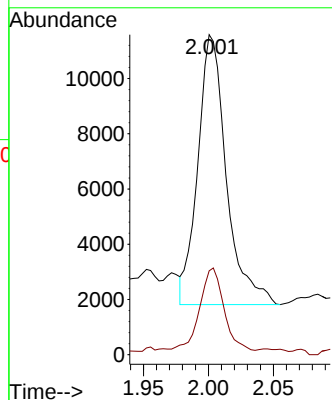
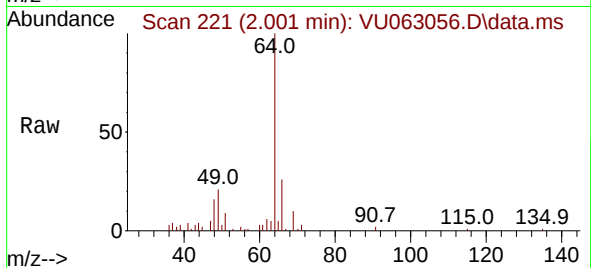




#8
Chloroethane
Concen: 4.801 ug/L
RT: 2.001 min Scan# 21
Delta R.T. 0.074 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

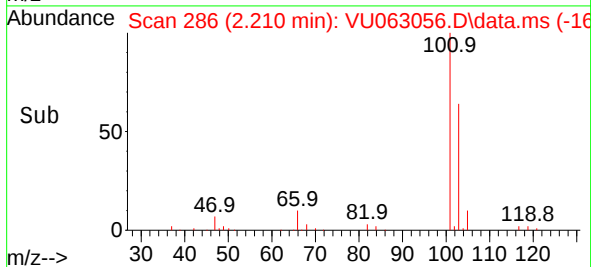
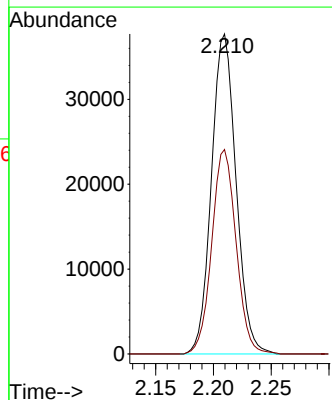
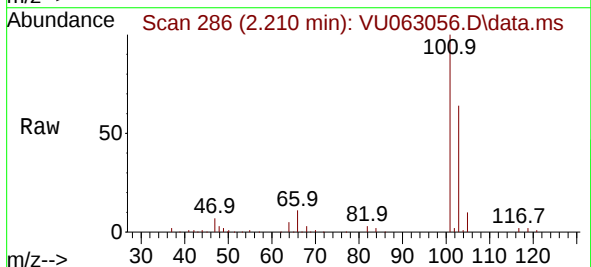
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MSVOA_U
ClientSampleId :

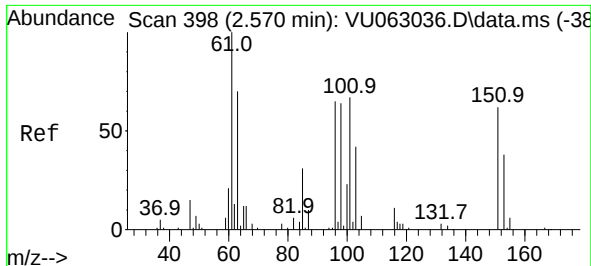
Tgt Ion: 64 Resp: 14972
Ion Ratio Lower Upper
64 100
66 26.2 21.6 40.2



#9
Trichlorofluoromethane
Concen: 3.577 ug/L
RT: 2.210 min Scan# 286
Delta R.T. 0.080 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

Tgt Ion:101 Resp: 55843
Ion Ratio Lower Upper
101 100
103 63.3 51.4 77.0

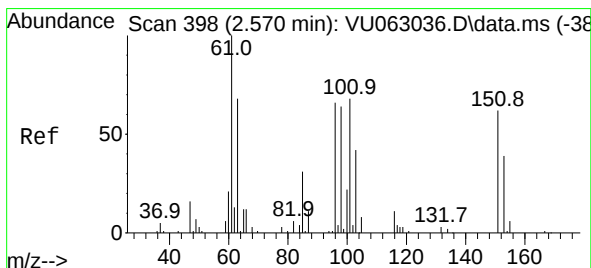
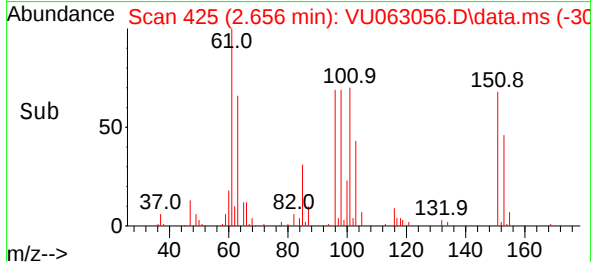
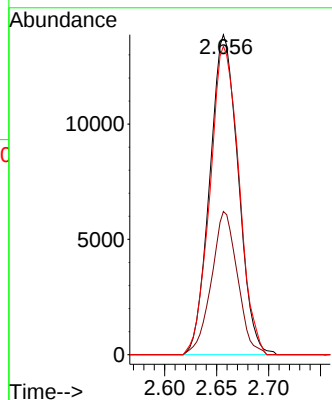
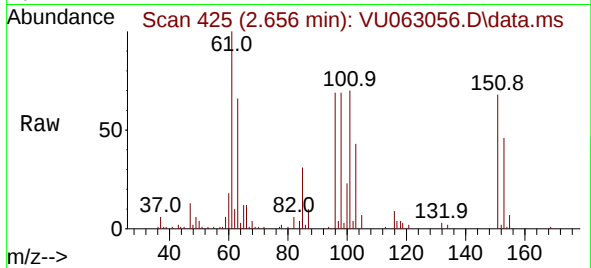




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.436 ug/L
 RT: 2.656 min Scan# 41
 Delta R.T. 0.087 min
 Lab File: VU063056.D
 Acq: 28 Jan 2025 08:33

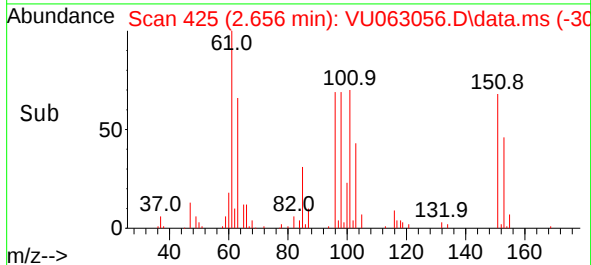
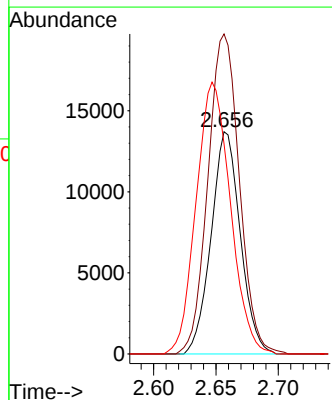
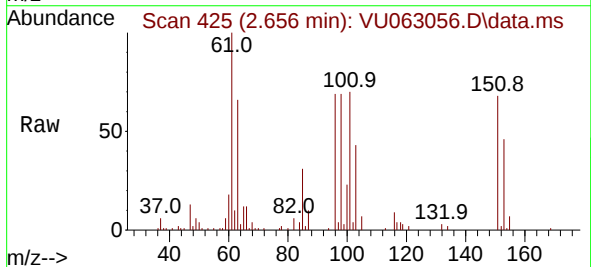
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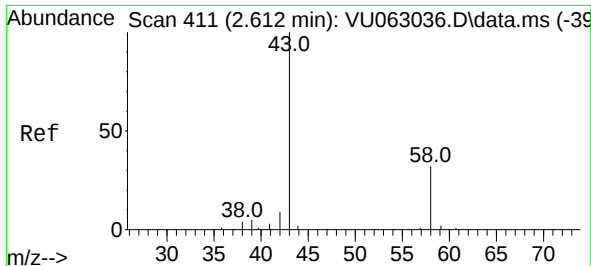
Tgt Ion:101 Resp: 26398
 Ion Ratio Lower Upper
 101 100
 85 41.0 37.0 55.6
 151 98.1 64.4 96.6#



#12
 1,1-Dichloroethene
 Concen: 3.347 ug/L
 RT: 2.656 min Scan# 425
 Delta R.T. 0.087 min
 Lab File: VU063056.D
 Acq: 28 Jan 2025 08:33

Tgt Ion: 96 Resp: 22321
 Ion Ratio Lower Upper
 96 100
 61 144.0 120.4 223.6
 63 94.5 82.3 152.9





#13

Acetone

Concen: 48.557 ug/L

RT: 2.782 min Scan# 4

Delta R.T. 0.170 min

Lab File: VU063056.D

Acq: 28 Jan 2025 08:33

Instrument :

MSVOA_U

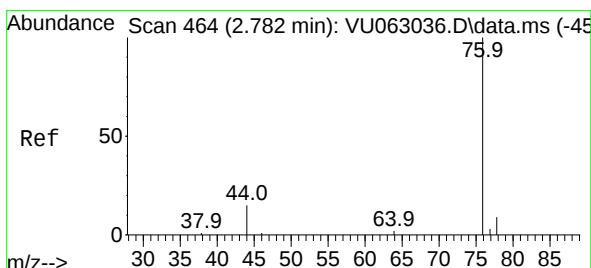
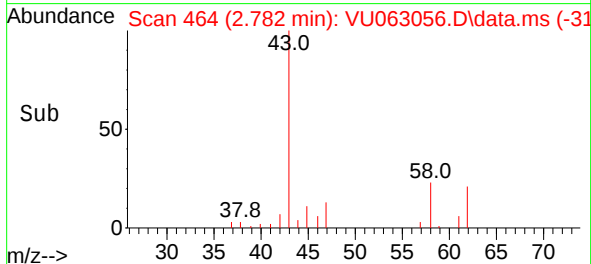
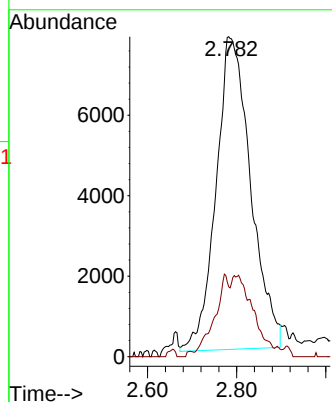
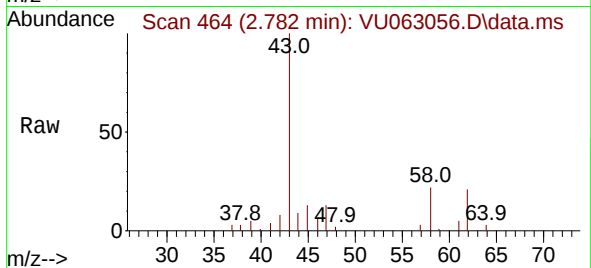
ClientSampleId :

Tgt Ion: 43 Resp: 42054

Ion Ratio Lower Upper

43 100

58 10.4 0.0 64.4



#14

Carbon disulfide

Concen: 3.670 ug/L

RT: 2.869 min Scan# 491

Delta R.T. 0.087 min

Lab File: VU063056.D

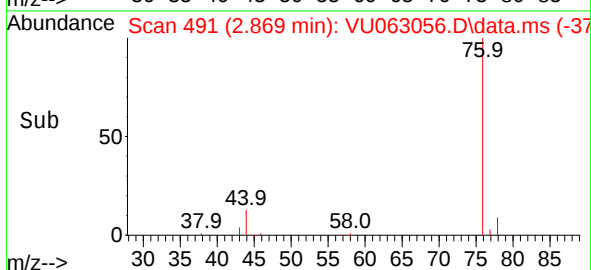
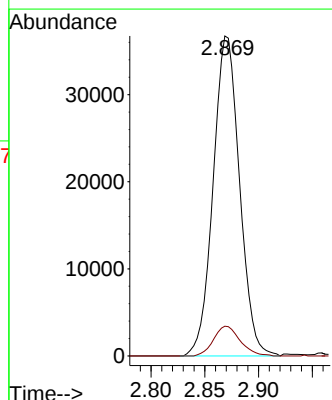
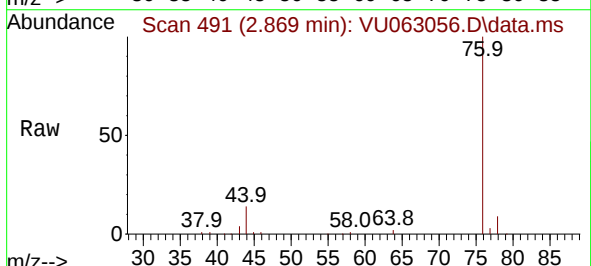
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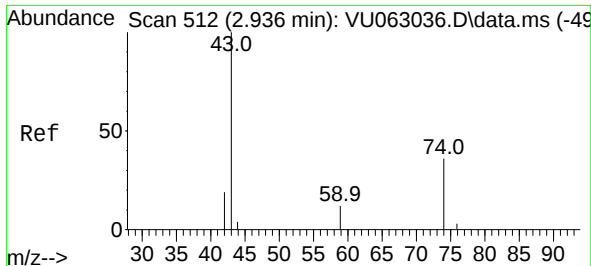
Tgt Ion: 76 Resp: 62702

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6





#15

Methyl Acetate

Concen: 4.957 ug/L

RT: 3.068 min Scan# 512

Delta R.T. 0.132 min

Lab File: VU063056.D

Acq: 28 Jan 2025 08:33

Instrument :

MSVOA_U

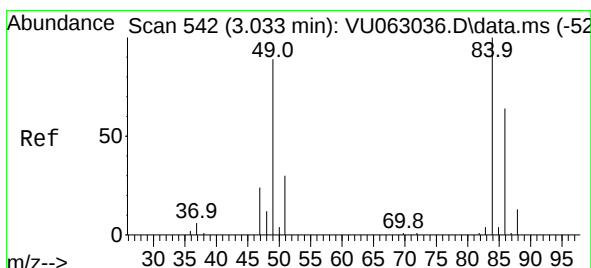
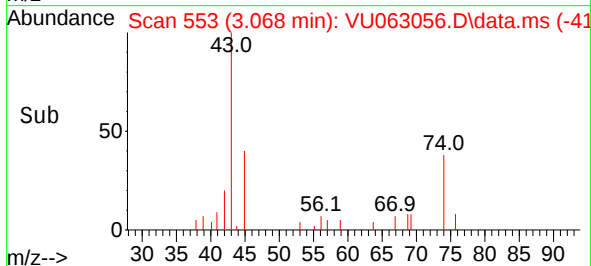
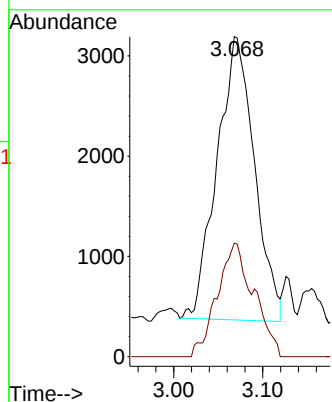
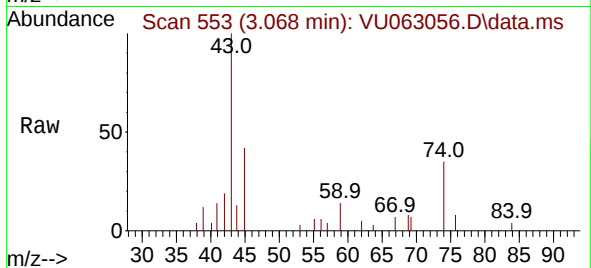
ClientSampleId :

Tgt Ion: 43 Resp: 8244

Ion Ratio Lower Upper

43 100

74 39.0 24.4 36.6#



#16

Methylene chloride

Concen: 3.217 ug/L

RT: 3.129 min Scan# 572

Delta R.T. 0.096 min

Lab File: VU063056.D

Acq: 28 Jan 2025 08:33

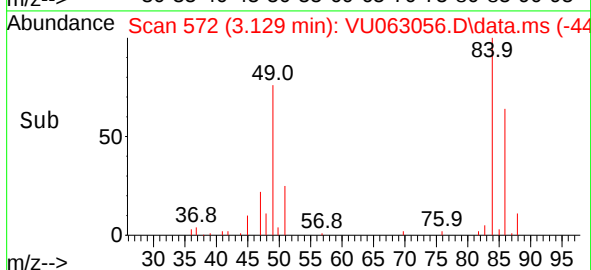
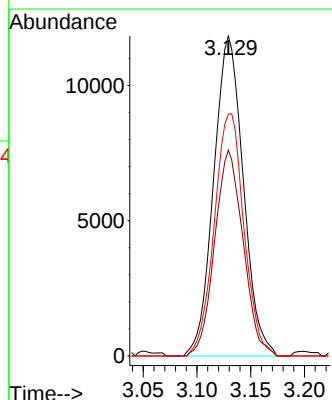
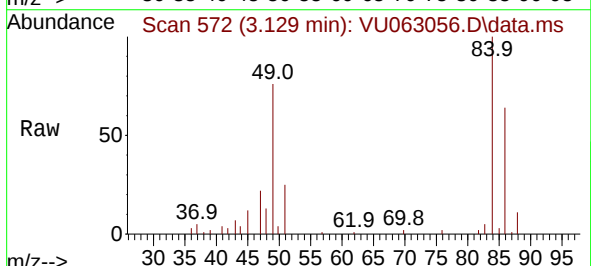
Tgt Ion: 84 Resp: 22618

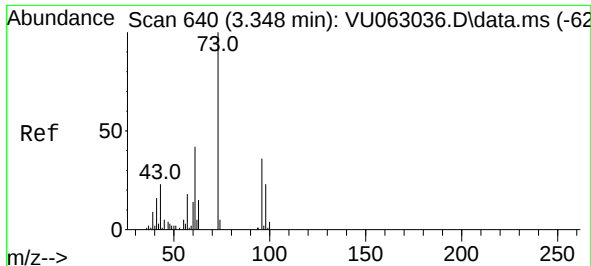
Ion Ratio Lower Upper

84 100

86 64.3 44.7 83.1

49 79.2 68.3 126.9

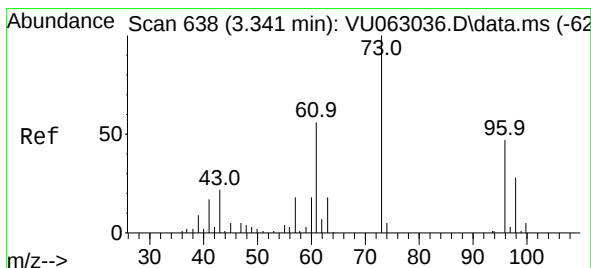
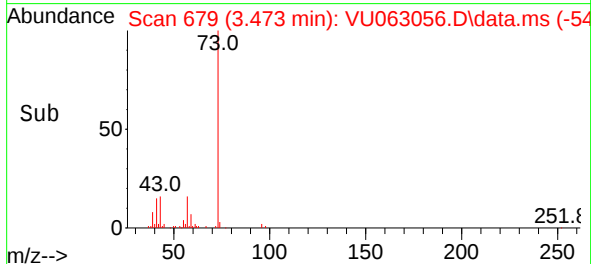
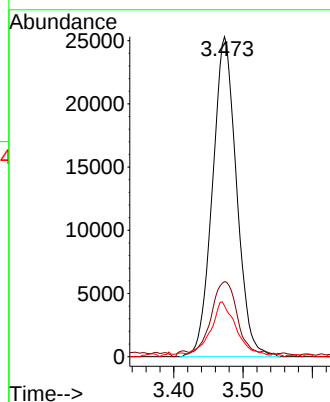
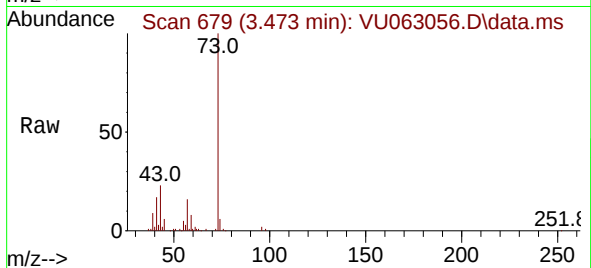




#17
Methyl tert-butyl Ether
Concen: 3.055 ug/L
RT: 3.473 min Scan# 61
Delta R.T. 0.125 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

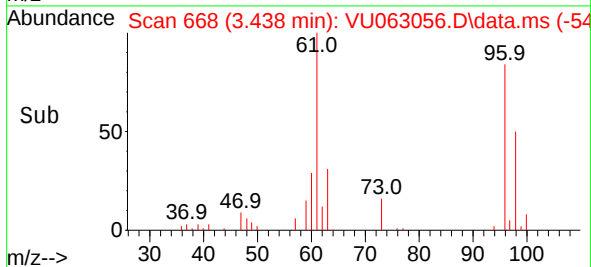
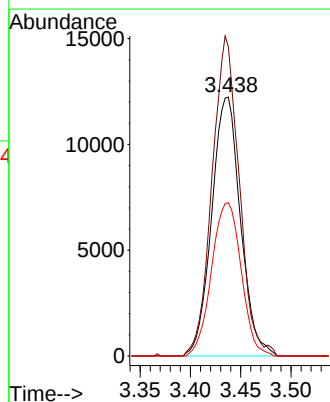
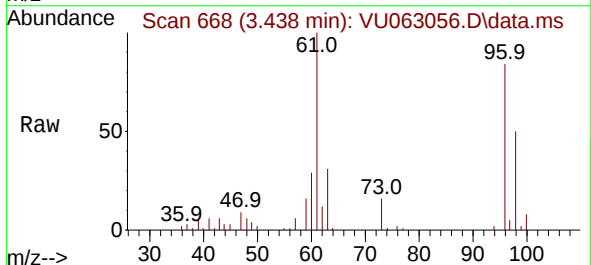
Instrument :
MSVOA_U
ClientSampleId :

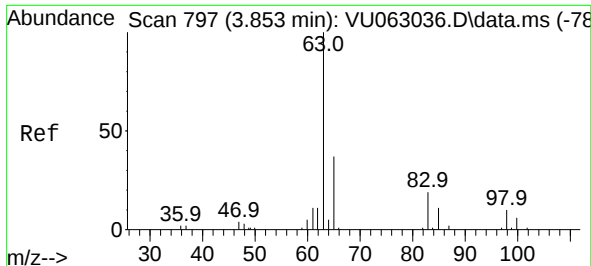
Tgt Ion: 73 Resp: 61032
Ion Ratio Lower Upper
73 100
43 24.0 16.2 24.4
57 17.6 14.6 22.0



#18
trans-1,2-Dichloroethene
Concen: 3.409 ug/L
RT: 3.438 min Scan# 668
Delta R.T. 0.096 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

Tgt Ion: 96 Resp: 24330
Ion Ratio Lower Upper
96 100
61 119.4 94.4 175.2
98 59.2 42.8 79.4

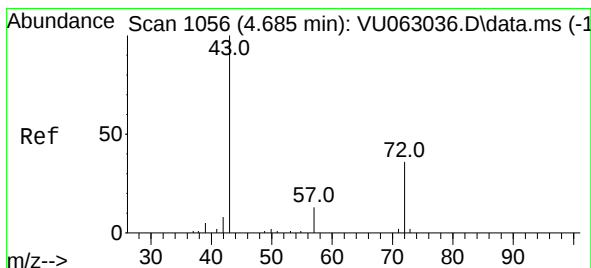
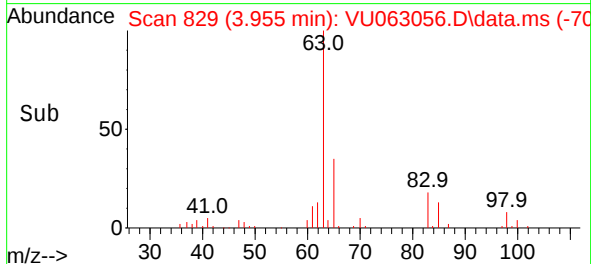
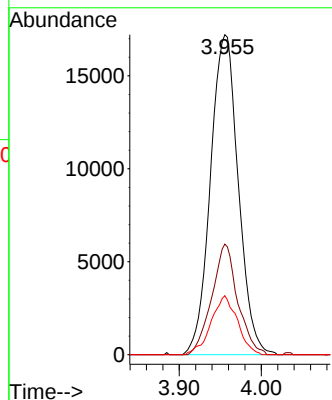
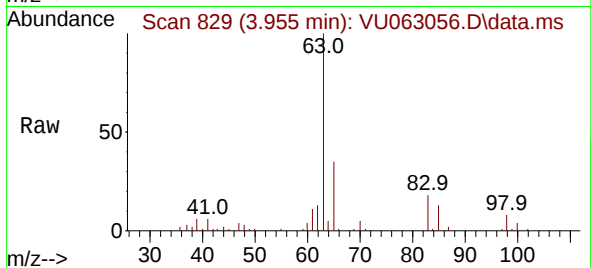




#19
1,1-Dichloroethane
Concen: 3.285 ug/L
RT: 3.955 min Scan# 81
Delta R.T. 0.103 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

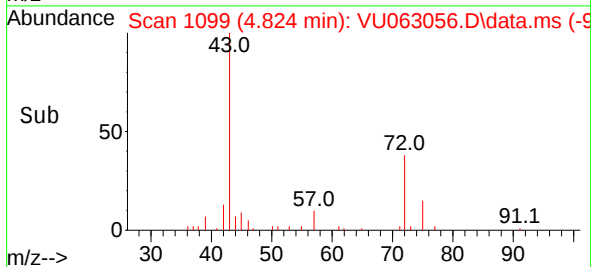
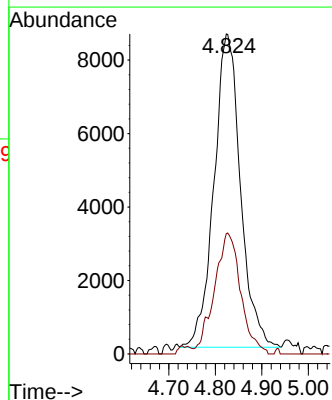
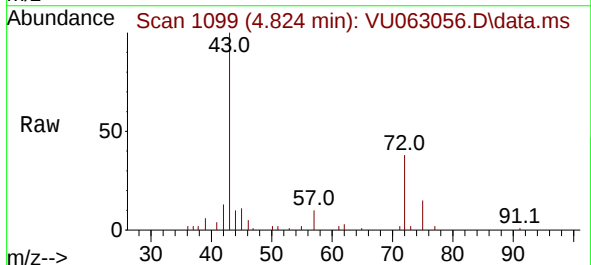
Instrument :
MSVOA_U
ClientSampleId :

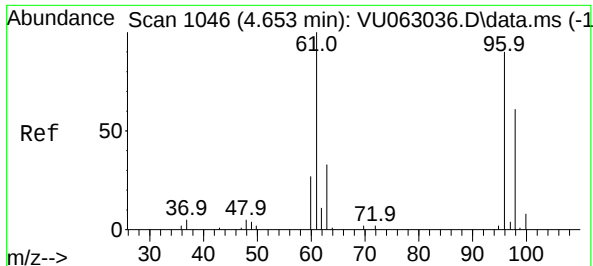
Tgt Ion: 63 Resp: 40638
Ion Ratio Lower Upper
63 100
65 34.6 20.7 38.5
83 18.4 10.5 19.5



#21
2-Butanone
Concen: 28.570 ug/L
RT: 4.824 min Scan# 1099
Delta R.T. 0.138 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

Tgt Ion: 43 Resp: 33748
Ion Ratio Lower Upper
43 100
72 38.4 17.1 51.2





#22

cis-1,2-Dichloroethene

Concen: 3.079 ug/L

RT: 4.724 min Scan# 1

Delta R.T. 0.071 min

Lab File: VU063056.D

Acq: 28 Jan 2025 08:33

Instrument :

MSVOA_U

ClientSampleId :

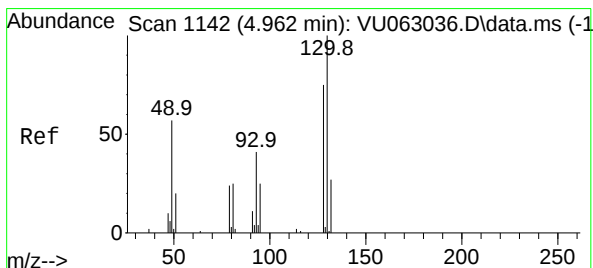
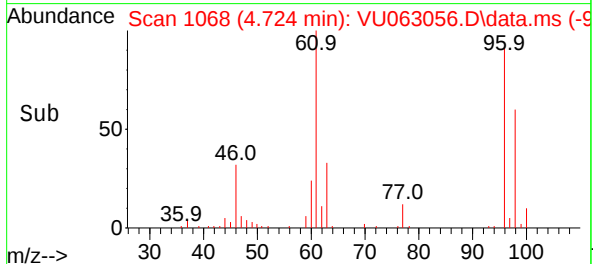
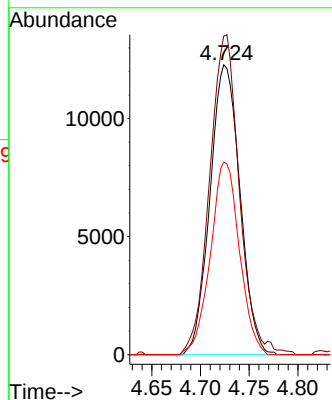
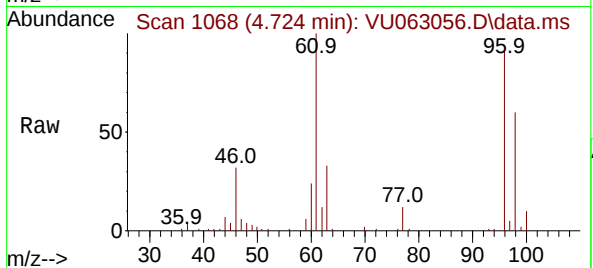
Tgt Ion: 96 Resp: 26264

Ion Ratio Lower Upper

96 100

61 109.9 84.8 157.6

98 66.4 43.1 80.1



#23

Bromochloromethane

Concen: 3.240 ug/L

RT: 5.026 min Scan# 1162

Delta R.T. 0.064 min

Lab File: VU063056.D

Acq: 28 Jan 2025 08:33

Tgt Ion:128 Resp: 13867

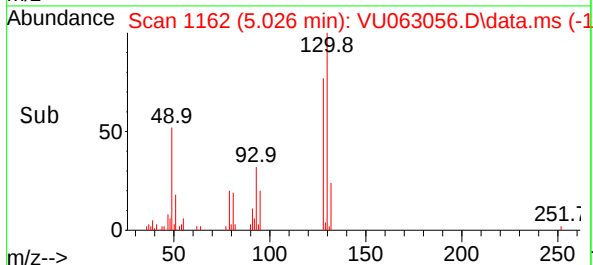
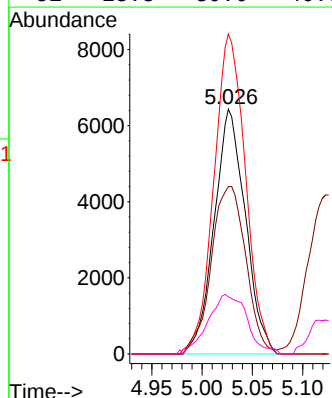
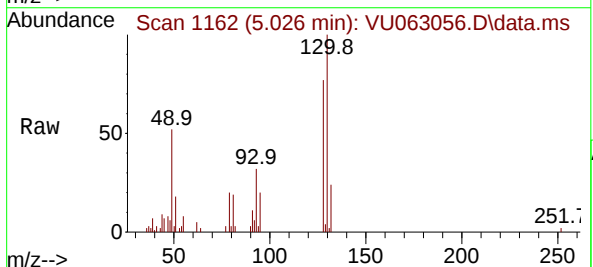
Ion Ratio Lower Upper

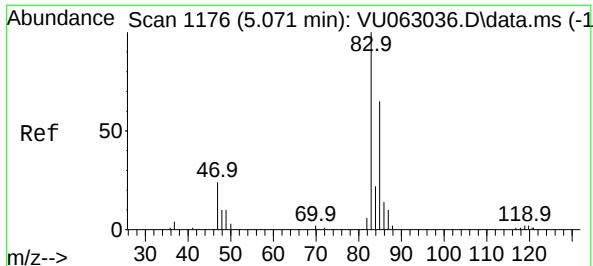
128 100

49 68.4 81.1 150.7#

130 130.7 94.9 176.3

51 23.3 30.6 46.0#





#25

Chloroform

Concen: 3.582 ug/L

RT: 5.145 min Scan# 1176

Delta R.T. 0.074 min

Lab File: VU063056.D

Acq: 28 Jan 2025 08:33

Instrument :

MSVOA_U

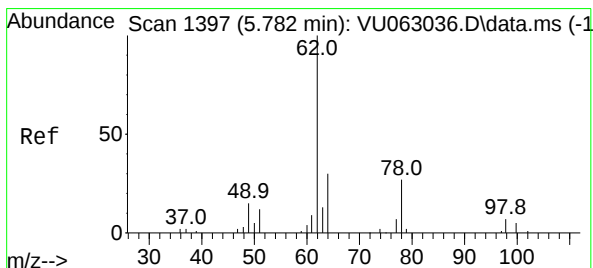
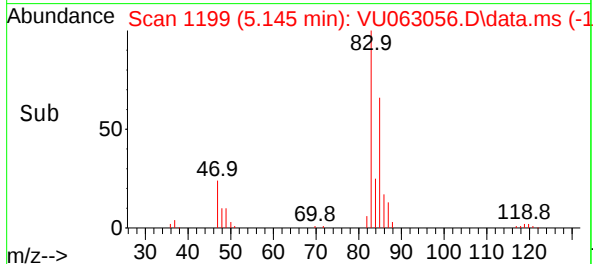
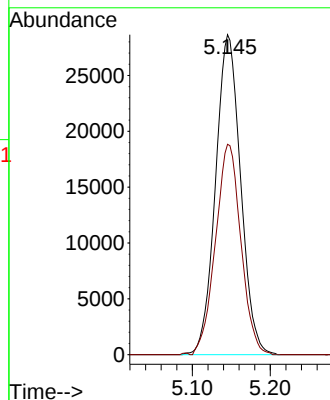
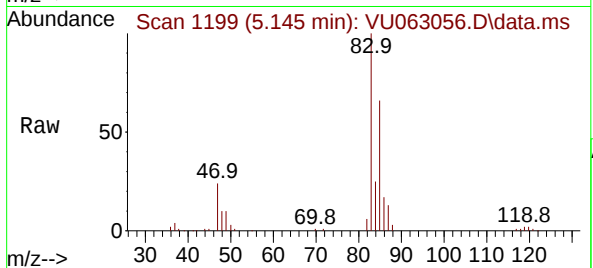
ClientSampleId :

Tgt Ion: 83 Resp: 64017

Ion Ratio Lower Upper

83 100

85 65.8 45.8 85.2



#27

1,2-Dichloroethane

Concen: 3.418 ug/L

RT: 5.878 min Scan# 1427

Delta R.T. 0.096 min

Lab File: VU063056.D

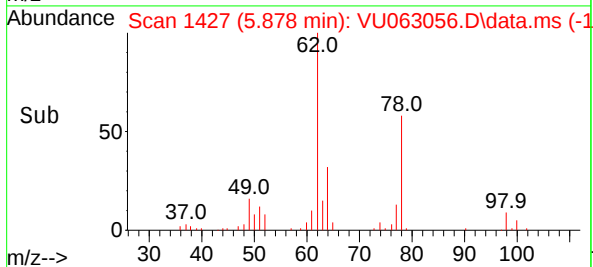
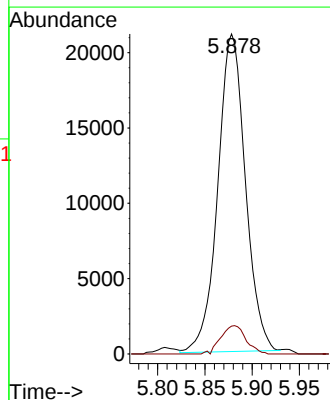
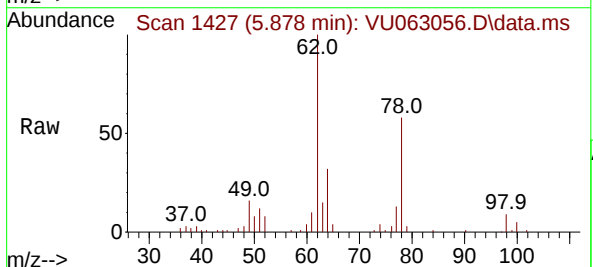
Acq: 28 Jan 2025 08:33

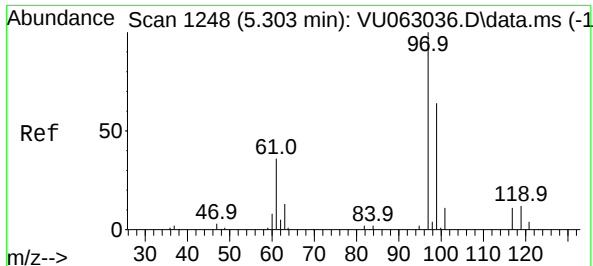
Tgt Ion: 62 Resp: 42822

Ion Ratio Lower Upper

62 100

98 8.7 5.8 8.6#

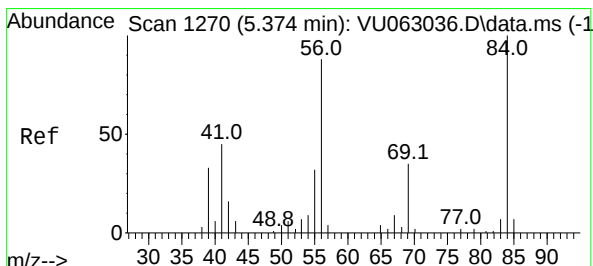
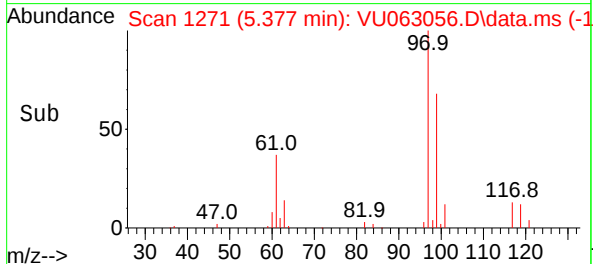
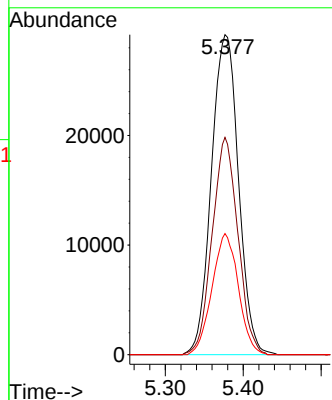
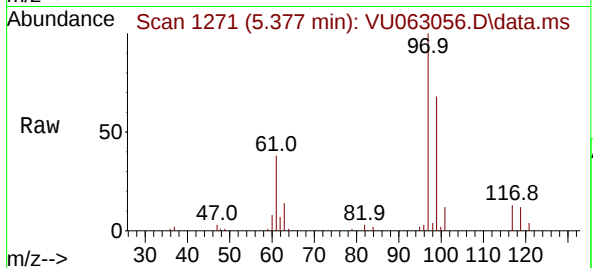




#29
1,1,1-Trichloroethane
Concen: 3.779 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. 0.074 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

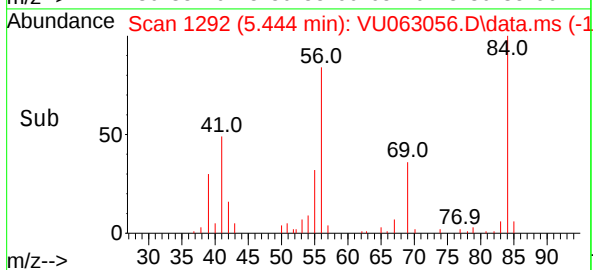
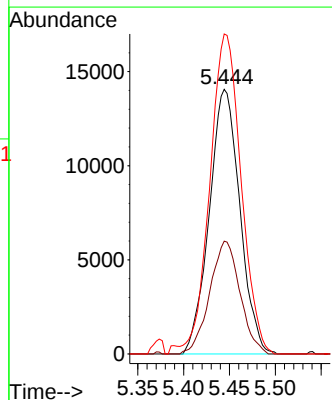
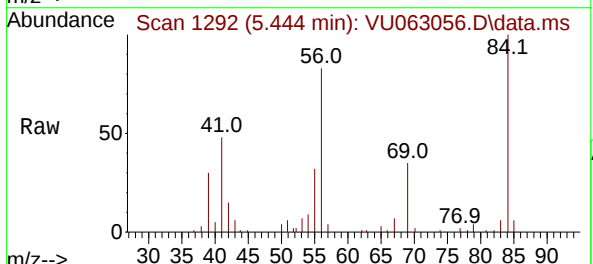
Instrument :
MSVOA_U
ClientSampleId :

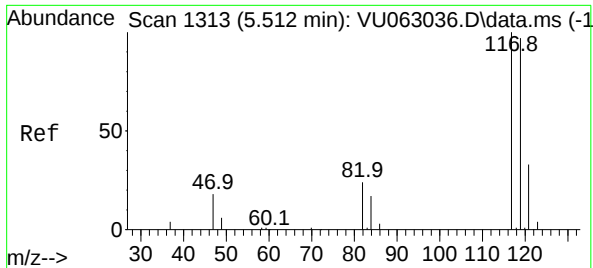
Tgt Ion:	97	Resp:	70591
Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.4	78.6
61	36.8	32.2	48.4



#30
Cyclohexane
Concen: 3.752 ug/L
RT: 5.444 min Scan# 1292
Delta R.T. 0.071 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

Tgt Ion:	56	Resp:	32652
Ion	Ratio	Lower	Upper
56	100		
69	42.1	28.3	42.5
84	123.0	76.5	114.7#

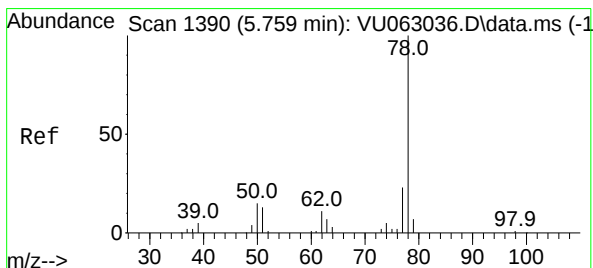
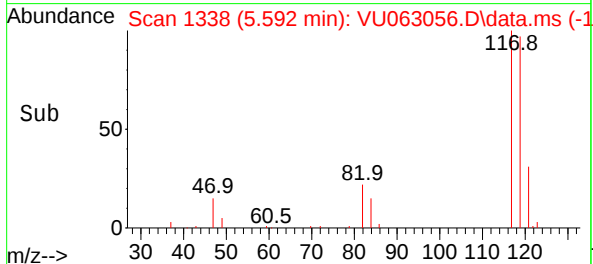
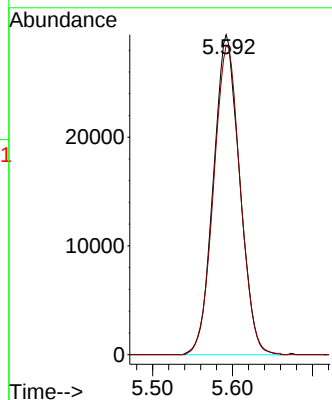
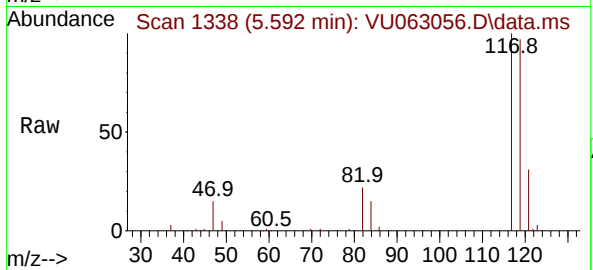




#31
Carbon tetrachloride
Concen: 3.716 ug/L
RT: 5.592 min Scan# 1419
Delta R.T. 0.080 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

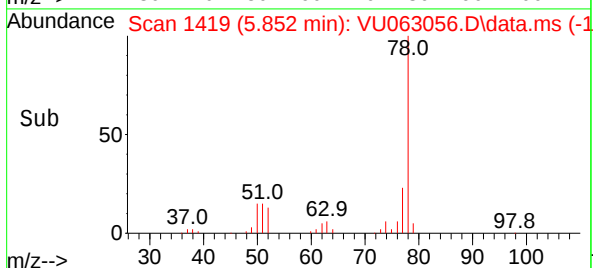
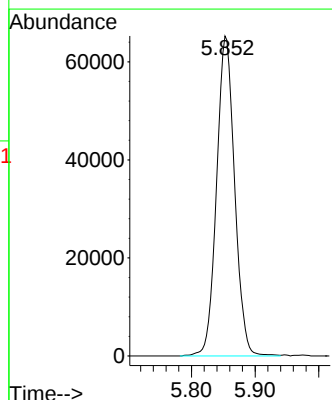
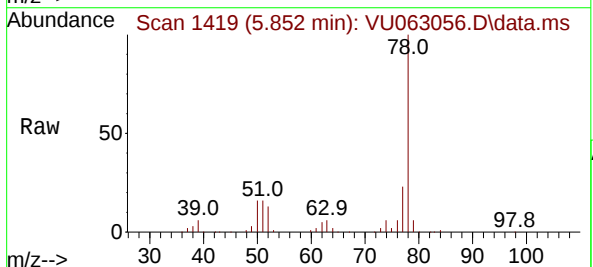
Instrument :
MSVOA_U
ClientSampleId :

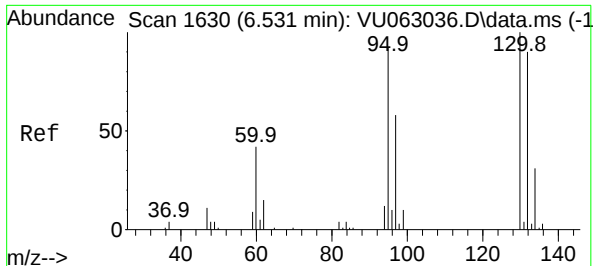
Tgt Ion:117 Resp: 66837
Ion Ratio Lower Upper
117 100
119 98.4 78.6 118.0



#33
Benzene
Concen: 4.408 ug/L
RT: 5.852 min Scan# 1419
Delta R.T. 0.093 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

Tgt Ion: 78 Resp: 128662





#34

Trichloroethene

Concen: 4.802 ug/L

RT: 6.595 min Scan# 1

Delta R.T. 0.064 min

Lab File: VU063056.D

Acq: 28 Jan 2025 08:33

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 47626

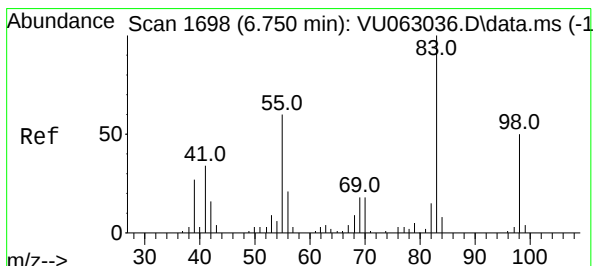
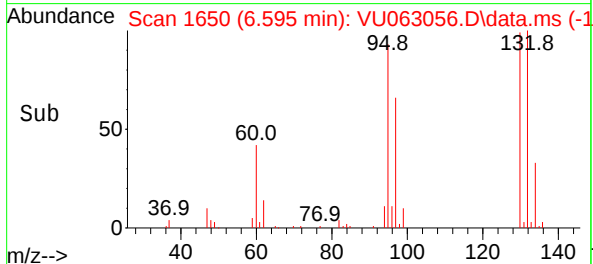
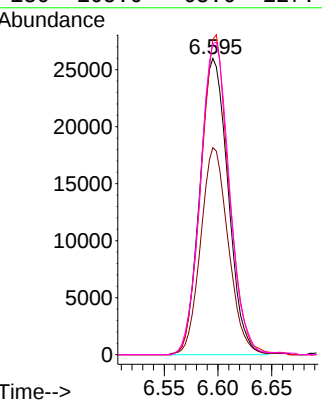
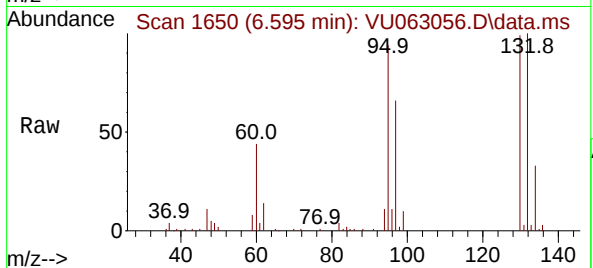
Ion Ratio Lower Upper

95 100

97 69.9 47.5 88.3

132 106.4 66.9 124.3

130 105.0 68.6 127.4



#35

Methylcyclohexane

Concen: 3.770 ug/L

RT: 6.807 min Scan# 1716

Delta R.T. 0.058 min

Lab File: VU063056.D

Acq: 28 Jan 2025 08:33

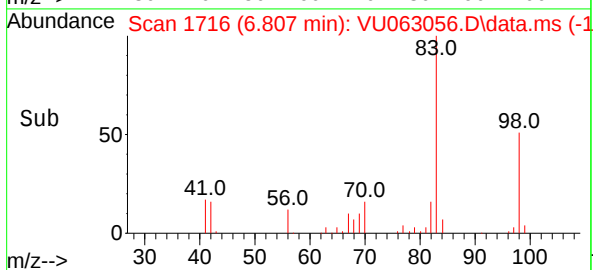
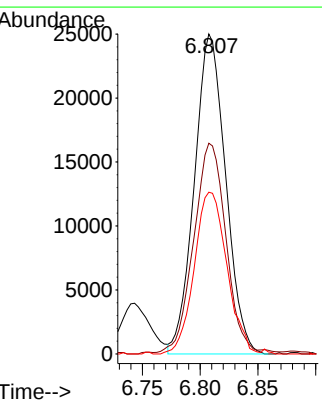
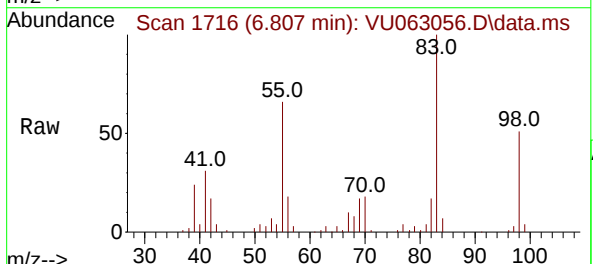
Tgt Ion: 83 Resp: 47117

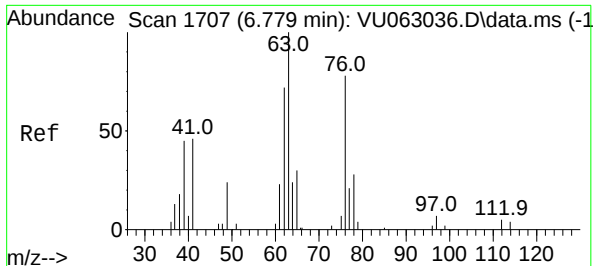
Ion Ratio Lower Upper

83 100

55 67.0 57.2 85.8

98 52.7 36.6 55.0

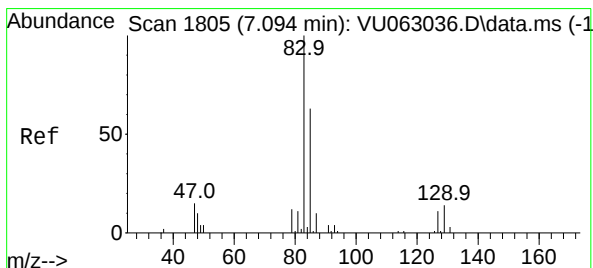
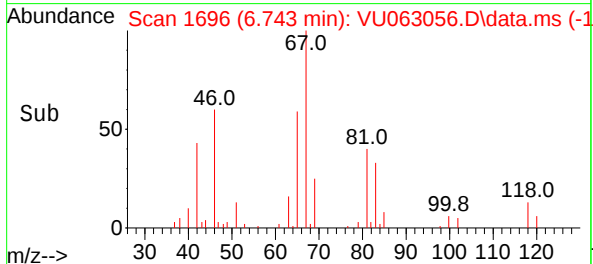
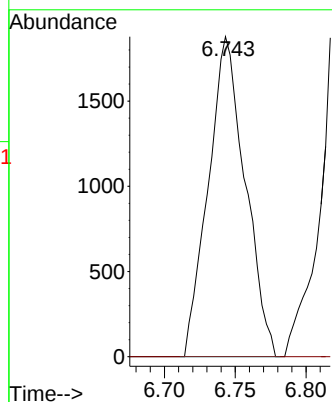
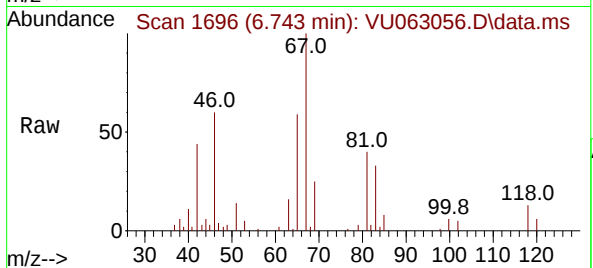




#37
1,2-Dichloropropane
Concen: 0.517 ug/L
RT: 6.743 min Scan# 1
Delta R.T. -0.036 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

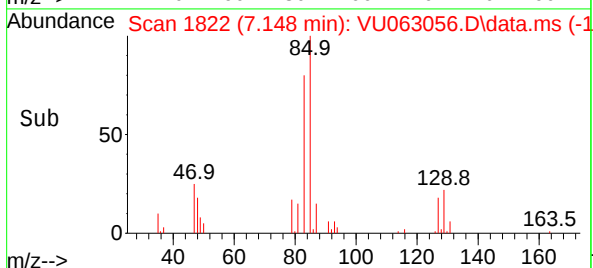
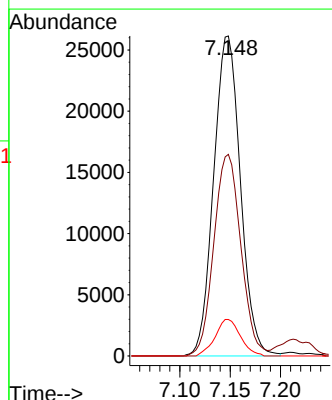
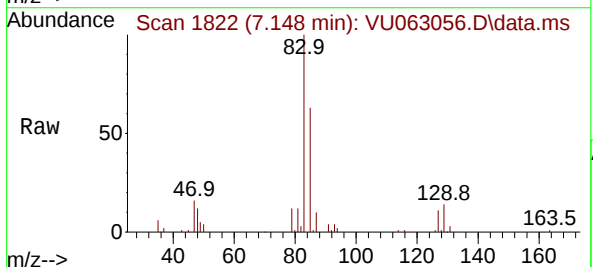
Instrument :
MSVOA_U
ClientSampleId :

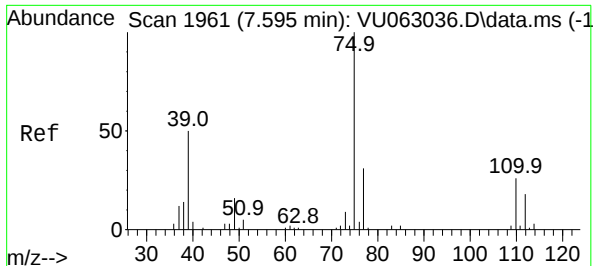
Tgt Ion: 63 Resp: 3394
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#



#38
Bromodichloromethane
Concen: 3.679 ug/L
RT: 7.148 min Scan# 1822
Delta R.T. 0.054 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

Tgt Ion: 83 Resp: 48390
Ion Ratio Lower Upper
83 100
85 63.0 44.2 82.0
127 11.4 7.8 11.8

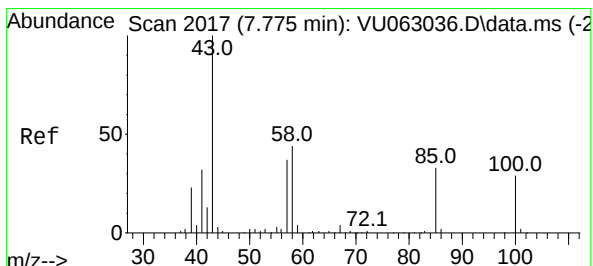
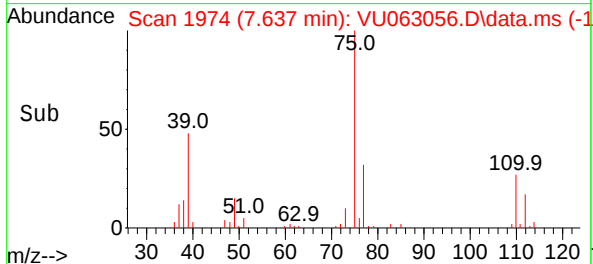
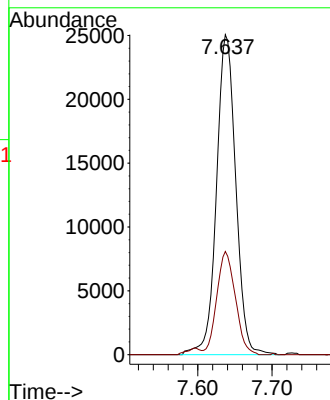
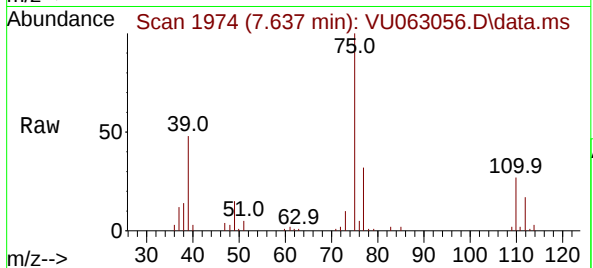




#39
cis-1,3-Dichloropropene
Concen: 3.661 ug/L
RT: 7.637 min Scan# 1961
Delta R.T. 0.042 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

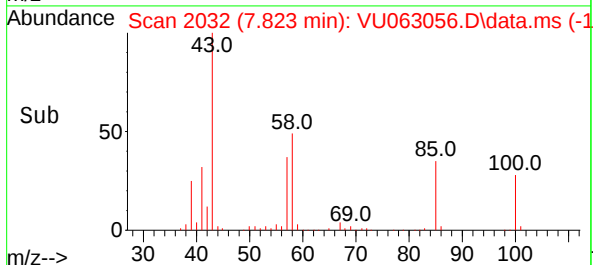
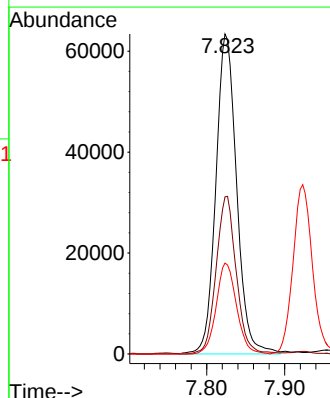
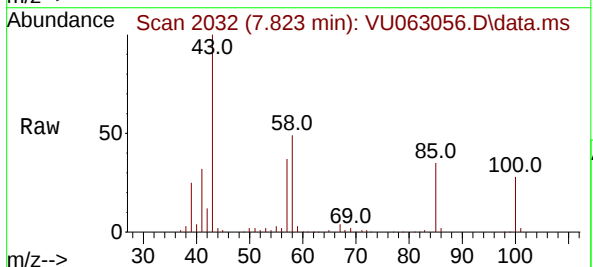
Instrument :
MSVOA_U
ClientSampleId :

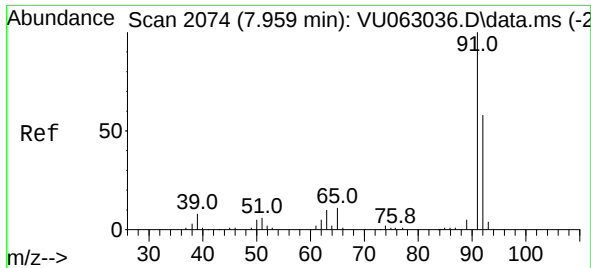
Tgt Ion: 75 Resp: 45243
Ion Ratio Lower Upper
75 100
77 32.3 22.3 41.3



#40
4-Methyl-2-pentanone
Concen: 37.113 ug/L
RT: 7.823 min Scan# 2032
Delta R.T. 0.048 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

Tgt Ion: 43 Resp: 117531
Ion Ratio Lower Upper
43 100
58 47.6 35.8 53.8
100 27.7 16.8 25.2#





#42

Toluene

Concen: 8.151 ug/L

RT: 7.991 min Scan# 2074

Delta R.T. 0.032 min

Lab File: VU063056.D

Acq: 28 Jan 2025 08:33

Instrument :

MSVOA_U

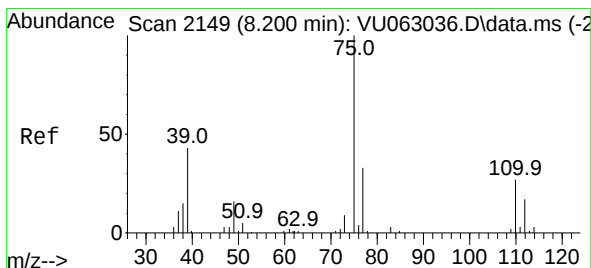
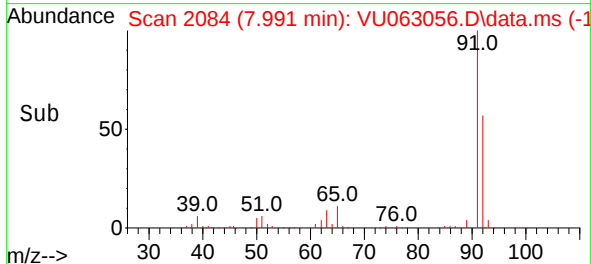
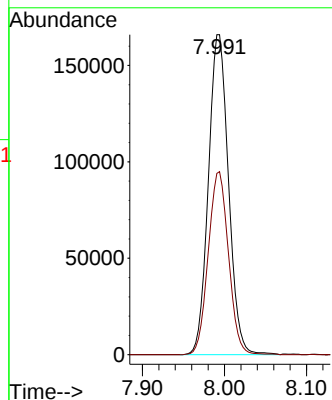
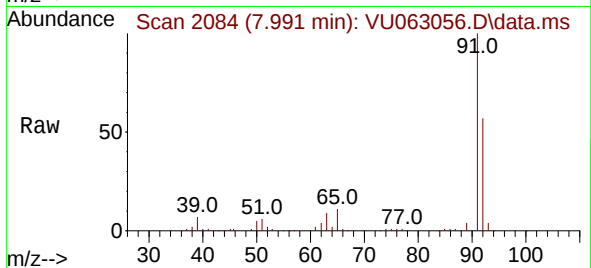
ClientSampleId :

Tgt Ion: 91 Resp: 282784

Ion Ratio Lower Upper

91 100

92 56.6 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 3.634 ug/L

RT: 8.229 min Scan# 2158

Delta R.T. 0.029 min

Lab File: VU063056.D

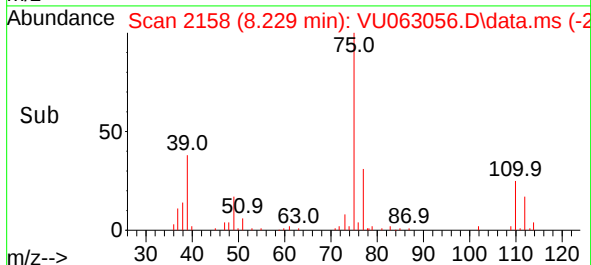
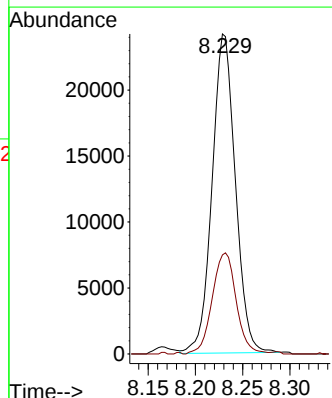
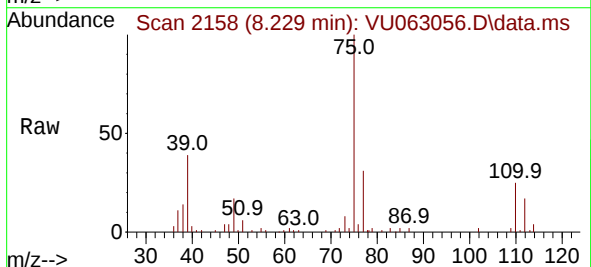
Acq: 28 Jan 2025 08:33

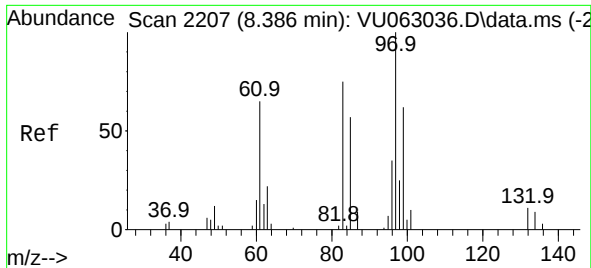
Tgt Ion: 75 Resp: 41376

Ion Ratio Lower Upper

75 100

77 30.9 21.8 40.6

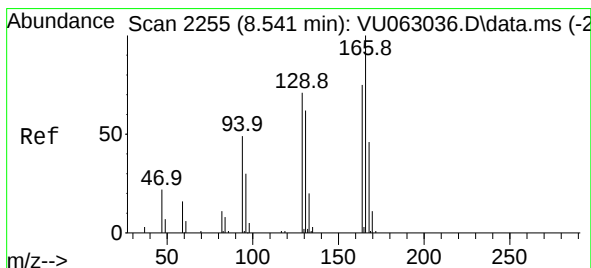
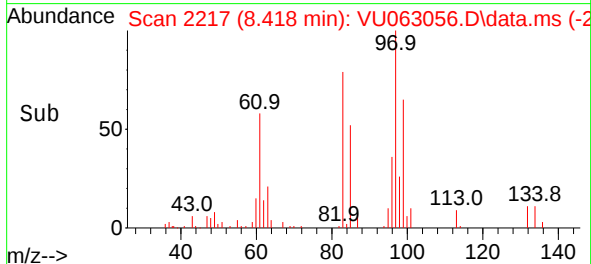
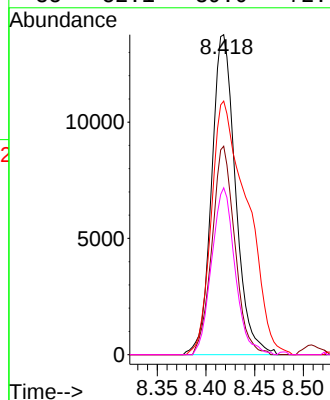
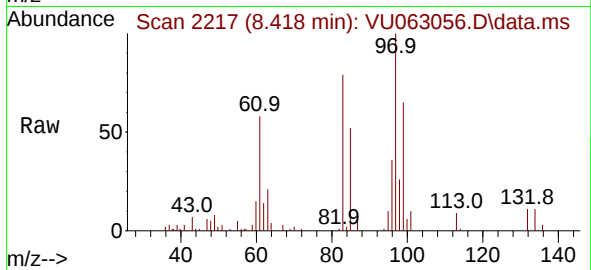




#45
1,1,2-Trichloroethane
Concen: 3.799 ug/L
RT: 8.418 min Scan# 21
Delta R.T. 0.032 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

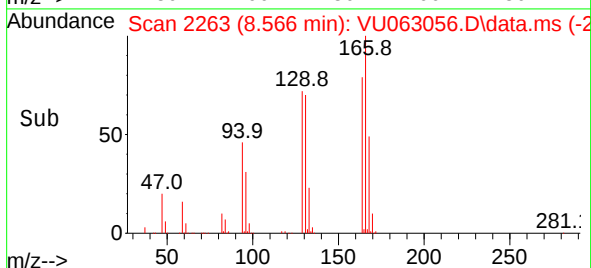
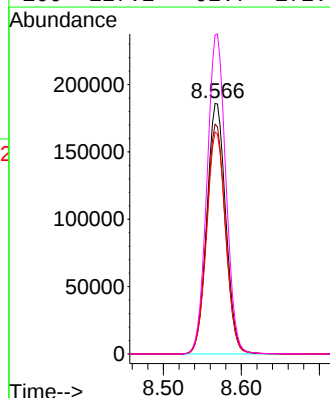
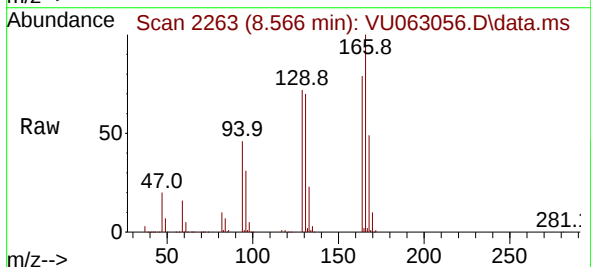
Instrument :
MSVOA_U
ClientSampleId :

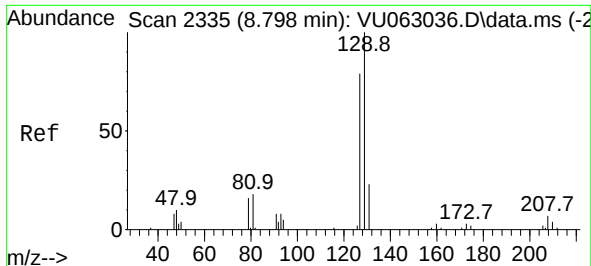
Tgt Ion: 97	Resp: 23471
Ion Ratio	Lower Upper
97 100	
99 65.2	45.6 84.6
83 79.3	63.0 117.0
85 52.1	39.0 72.4



#47
Tetrachloroethene
Concen: 36.455 ug/L
RT: 8.566 min Scan# 2263
Delta R.T. 0.026 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

Tgt	Ion:164	Resp:	314472
Ion	Ratio	Lower	Upper
164	100		
129	91.7	71.0	131.9
131	88.5	69.4	129.0
166	127.2	92.7	172.3





#49

Dibromochloromethane

Concen: 3.843 ug/L

RT: 8.820 min Scan# 2342

Delta R.T. 0.022 min

Lab File: VU063056.D

Acq: 28 Jan 2025 08:33

Instrument :

MSVOA_U

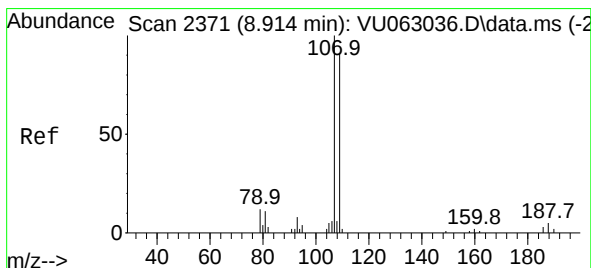
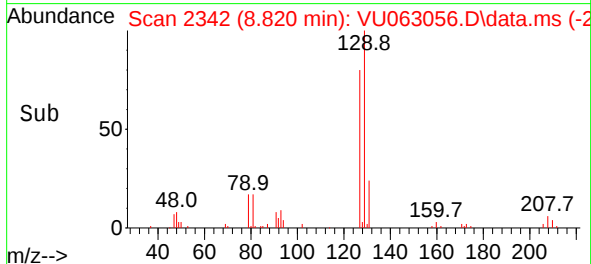
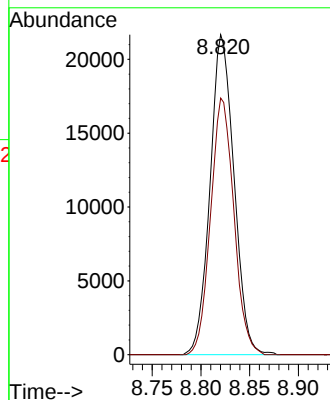
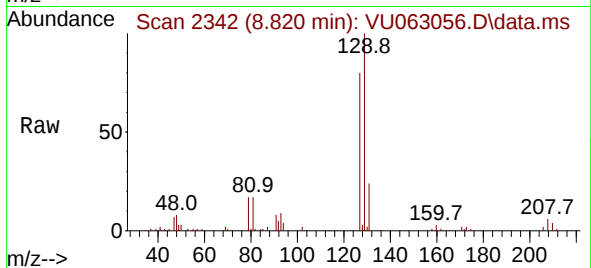
ClientSampleId :

Tgt Ion:129 Resp: 37056

Ion Ratio Lower Upper

129 100

127 80.2 52.1 96.9



#50

1,2-Dibromoethane

Concen: 3.793 ug/L

RT: 8.936 min Scan# 2378

Delta R.T. 0.022 min

Lab File: VU063056.D

Acq: 28 Jan 2025 08:33

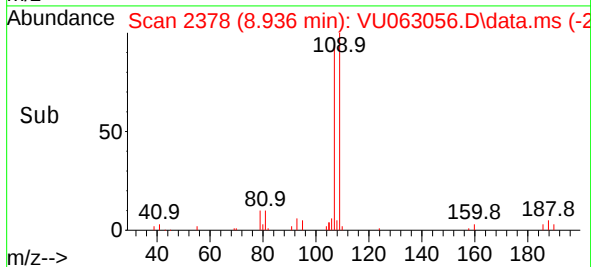
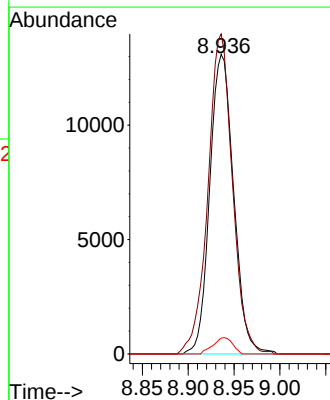
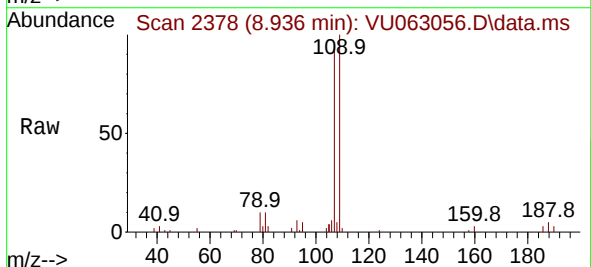
Tgt Ion:107 Resp: 23671

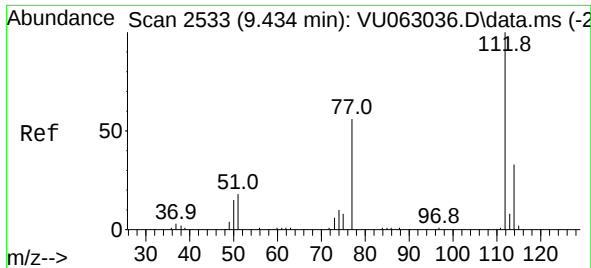
Ion Ratio Lower Upper

107 100

109 106.9 65.7 121.9

188 5.3 3.4 5.2#

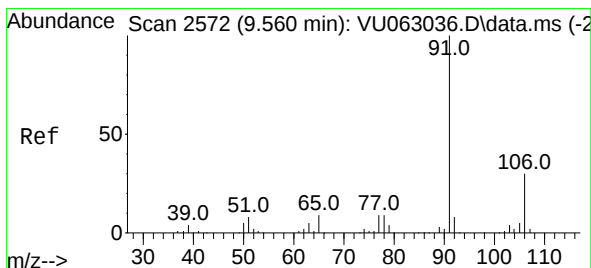
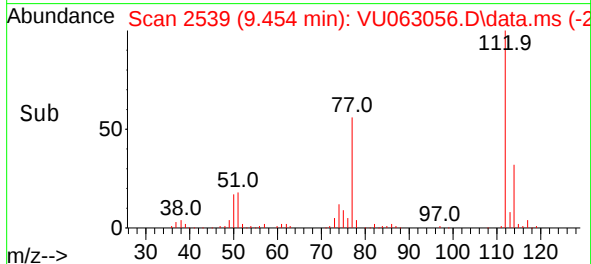
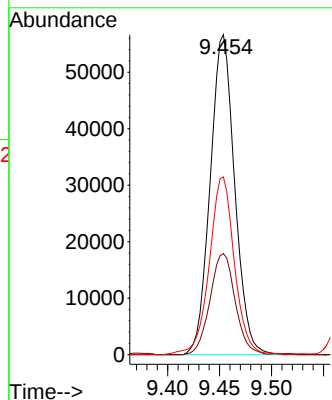
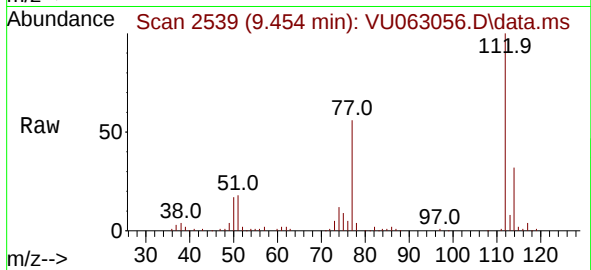




#51
Chlorobenzene
Concen: 3.855 ug/L
RT: 9.454 min Scan# 2539
Delta R.T. 0.019 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

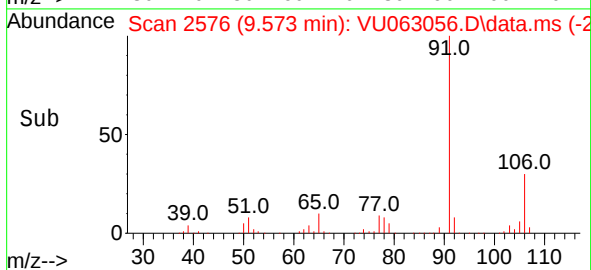
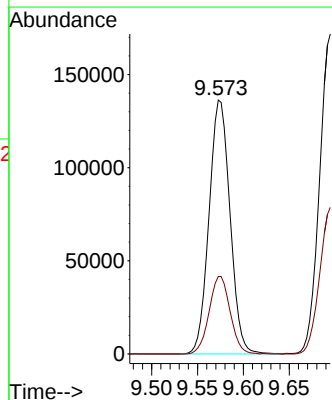
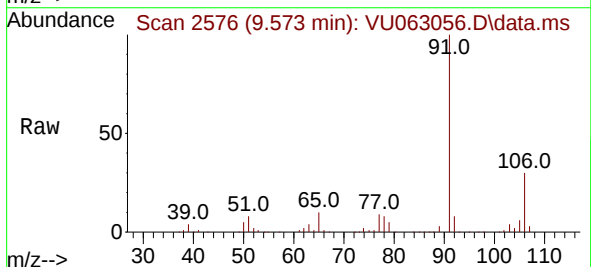
Instrument :
MSVOA_U
ClientSampleId :

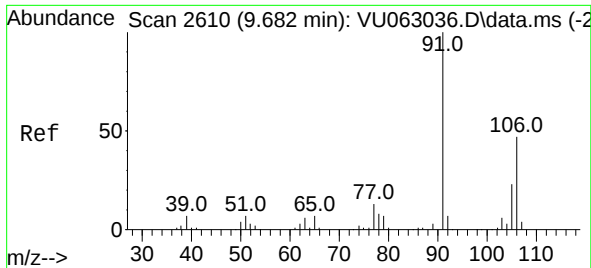
Tgt Ion:112 Resp: 92746
Ion Ratio Lower Upper
112 100
114 31.6 21.7 40.3
77 55.5 48.6 73.0



#52
Ethylbenzene
Concen: 5.369 ug/L
RT: 9.573 min Scan# 2576
Delta R.T. 0.013 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

Tgt Ion: 91 Resp: 217083
Ion Ratio Lower Upper
91 100
106 30.5 21.9 40.7

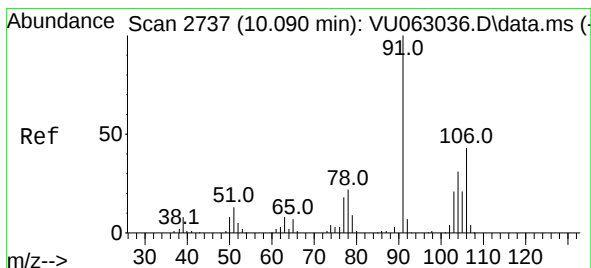
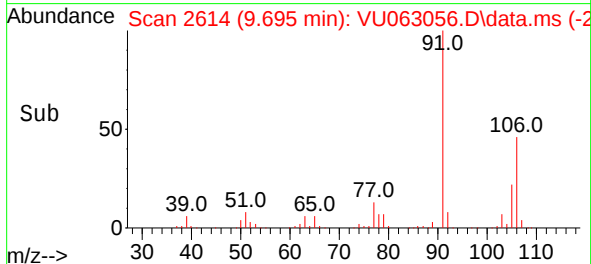
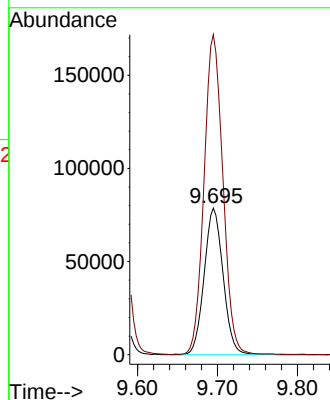
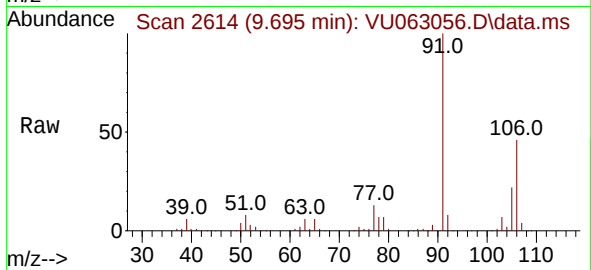




#53
m,p-Xylene
Concen: 8.300 ug/L
RT: 9.695 min Scan# 210
Delta R.T. 0.013 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

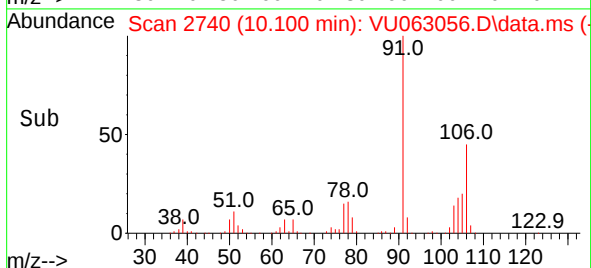
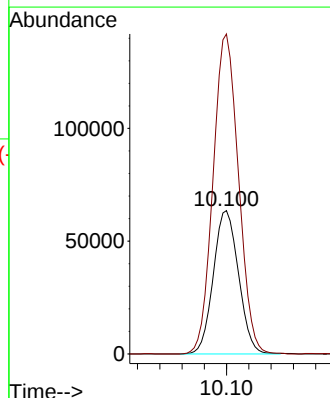
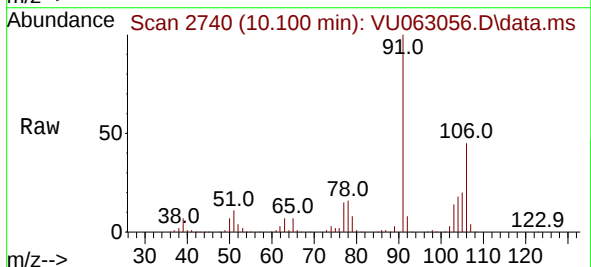
Instrument :
MSVOA_U
ClientSampleId :

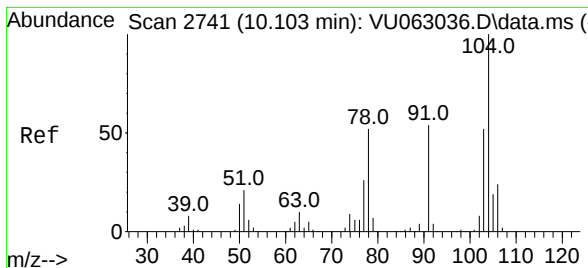
Tgt Ion:106 Resp: 129597
Ion Ratio Lower Upper
106 100
91 218.4 153.1 284.3



#54
o-Xylene
Concen: 6.980 ug/L
RT: 10.100 min Scan# 2740
Delta R.T. 0.009 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

Tgt Ion:106 Resp: 99848
Ion Ratio Lower Upper
106 100
91 223.2 160.4 297.8





#55

Styrene

Concen: 4.294 ug/L

RT: 10.113 min Scan# 21

Delta R.T. 0.009 min

Lab File: VU063056.D

Acq: 28 Jan 2025 08:33

Instrument :

MSVOA_U

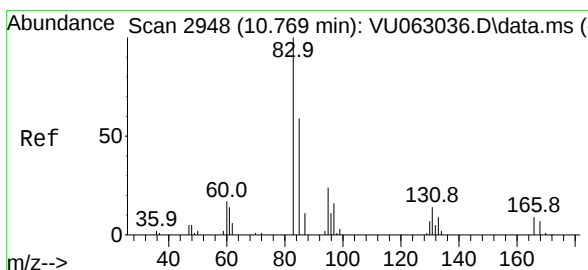
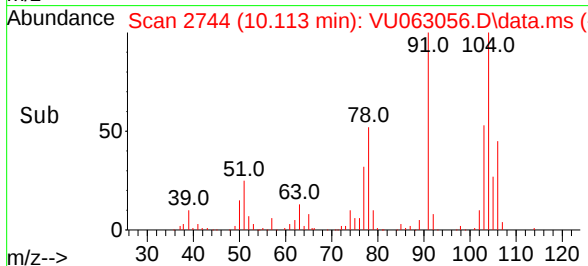
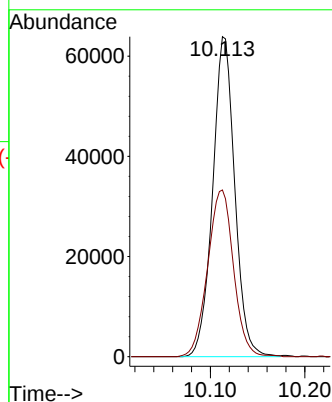
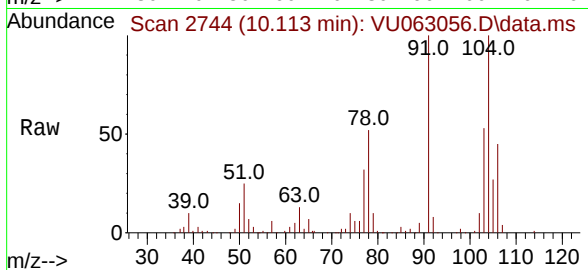
ClientSampleId :

Tgt Ion:104 Resp: 103853

Ion Ratio Lower Upper

104 100

78 52.1 35.5 65.9



#57

1,1,2,2-Tetrachloroethane

Concen: 3.628 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. 0.009 min

Lab File: VU063056.D

Acq: 28 Jan 2025 08:33

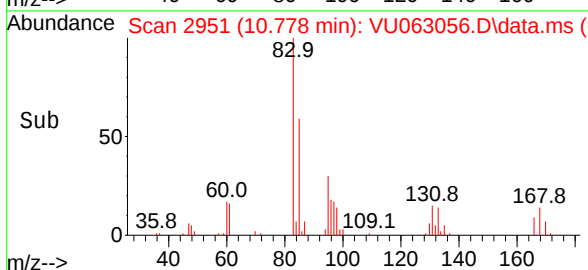
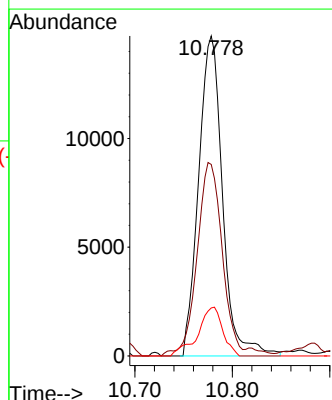
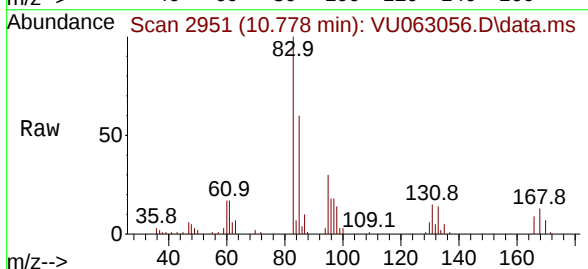
Tgt Ion: 83 Resp: 25080

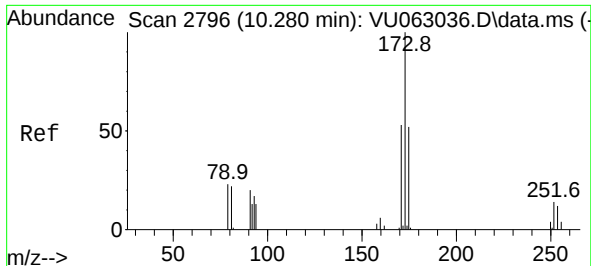
Ion Ratio Lower Upper

83 100

85 59.8 43.0 79.8

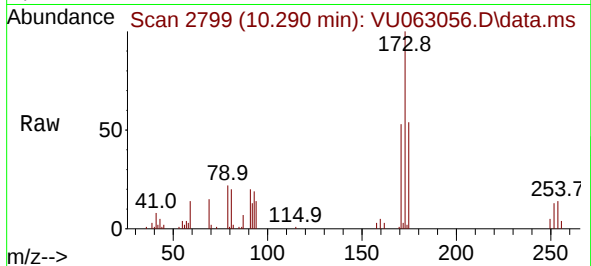
131 15.0 7.4 11.0#



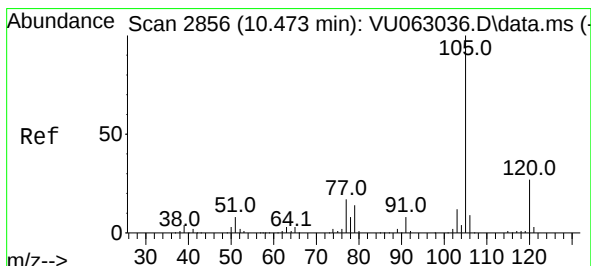
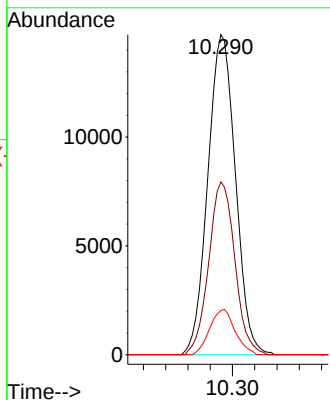
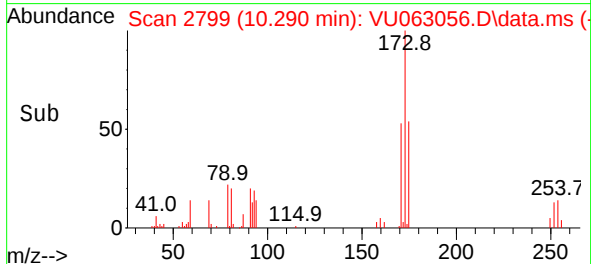


#59
Bromoform
Concen: 3.790 ug/L
RT: 10.290 min Scan# 21
Delta R.T. 0.009 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

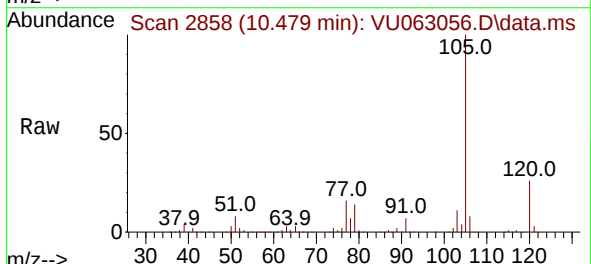
Instrument :
MSVOA_U
ClientSampleId :



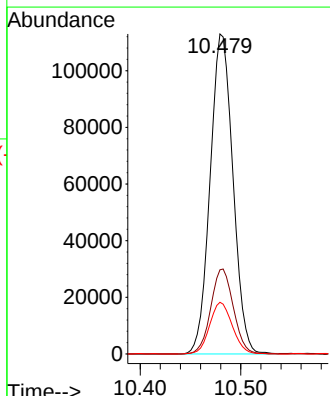
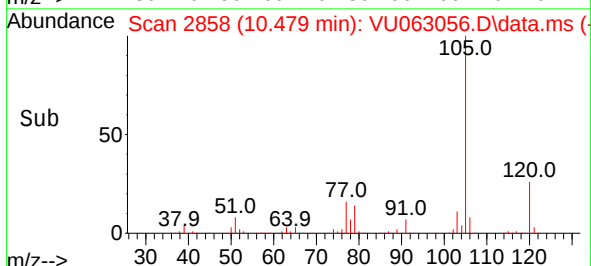
Tgt Ion:173 Resp: 25355
Ion Ratio Lower Upper
173 100
175 51.0 39.8 59.8
254 12.9 8.6 12.8#

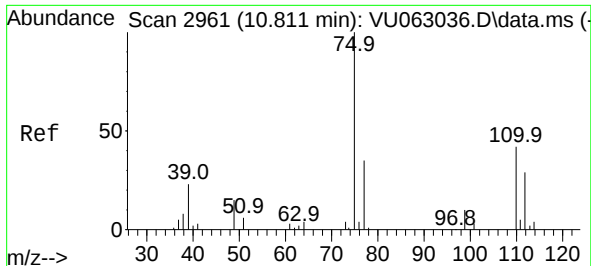


#60
Isopropylbenzene
Concen: 3.991 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.006 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33



Tgt Ion:105 Resp: 178067
Ion Ratio Lower Upper
105 100
120 26.3 20.2 30.2
77 16.0 13.0 19.4

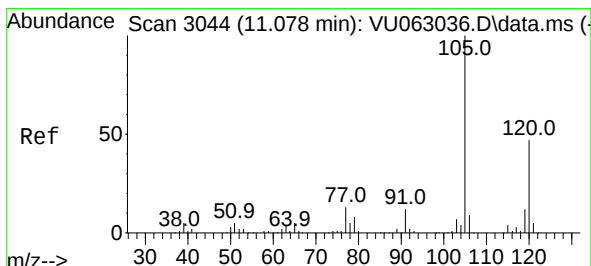
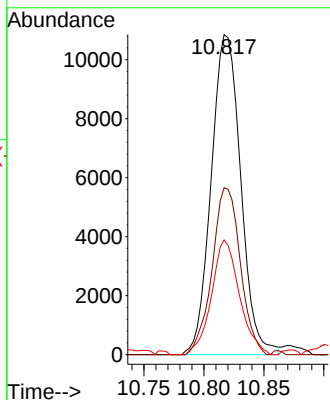
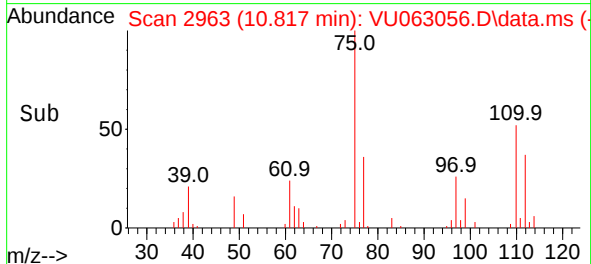
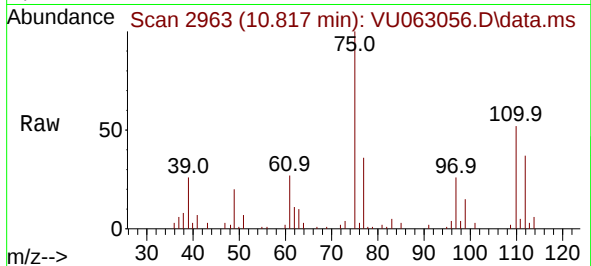




#61
1,2,3-Trichloropropane
Concen: 3.276 ug/L
RT: 10.817 min Scan# 2961
Delta R.T. 0.006 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

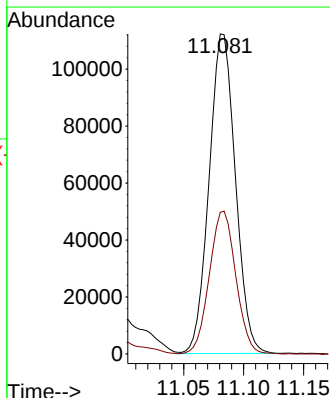
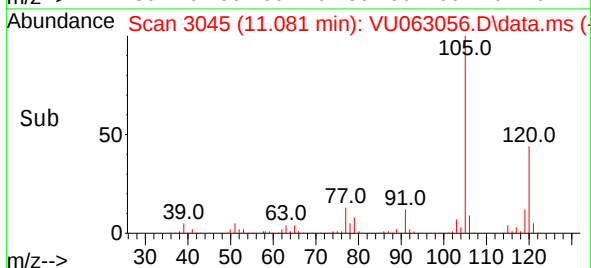
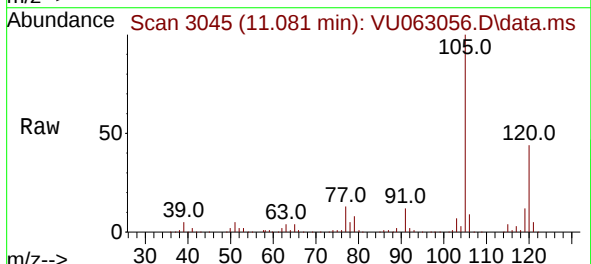
Instrument :
MSVOA_U
ClientSampleId :

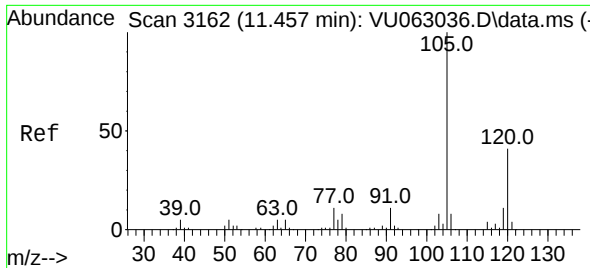
Tgt Ion: 75 Resp: 18563
Ion Ratio Lower Upper
75 100
110 49.8 33.2 49.8
77 34.0 25.9 38.9



#62
1,3,5-Trimethylbenzene
Concen: 4.375 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. 0.003 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

Tgt Ion:105 Resp: 171141
Ion Ratio Lower Upper
105 100
120 44.9 35.9 53.9

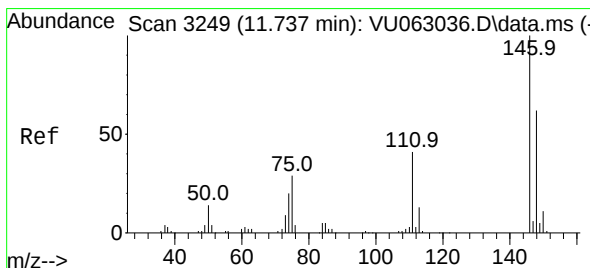
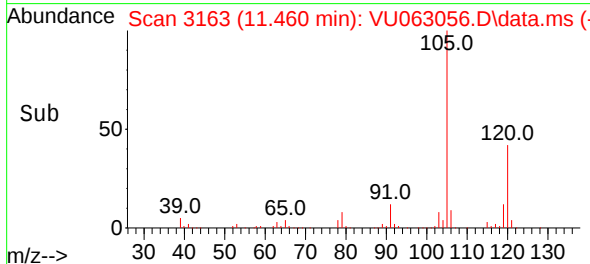
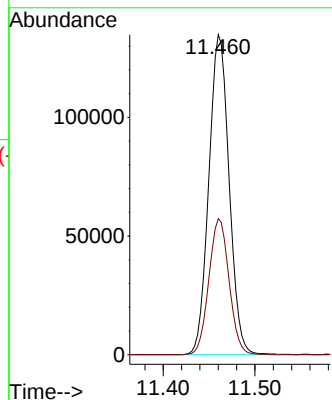
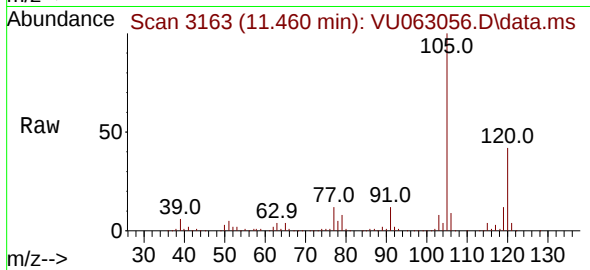




#63
1,2,4-Trimethylbenzene
Concen: 5.602 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

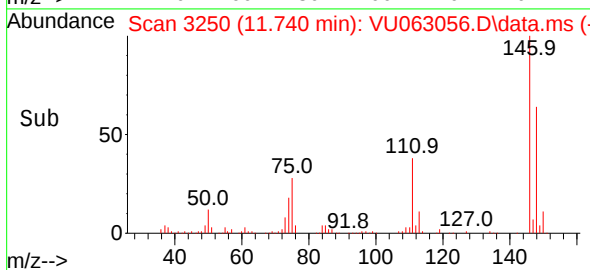
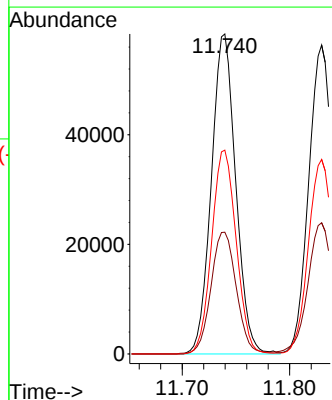
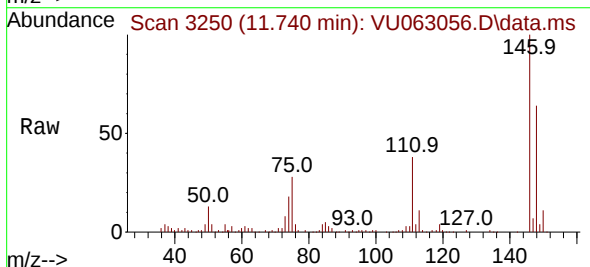
Instrument :
MSVOA_U
ClientSampleId :

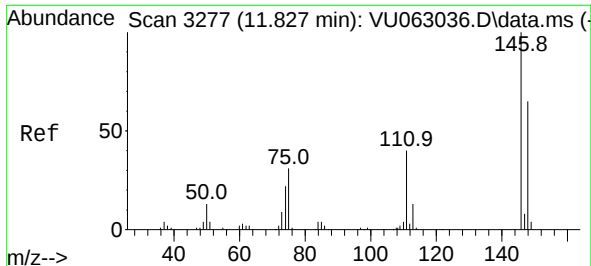
Tgt Ion:105 Resp: 207257
Ion Ratio Lower Upper
105 100
120 42.3 34.2 51.2



#64
1,3-Dichlorobenzene
Concen: 4.059 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.003 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

Tgt Ion:146 Resp: 91950
Ion Ratio Lower Upper
146 100
111 38.0 28.6 53.0
148 63.7 44.0 81.6





#65

1,4-Dichlorobenzene

Concen: 3.949 ug/L

RT: 11.830 min Scan# 3277

Delta R.T. 0.003 min

Lab File: VU063056.D

Acq: 28 Jan 2025 08:33

Instrument :

MSVOA_U

ClientSampleId :

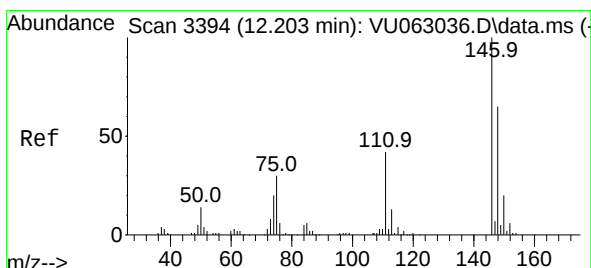
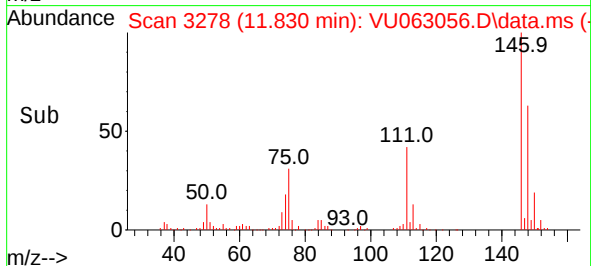
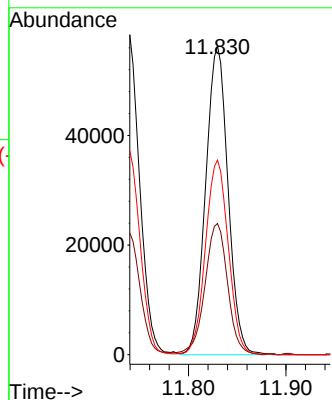
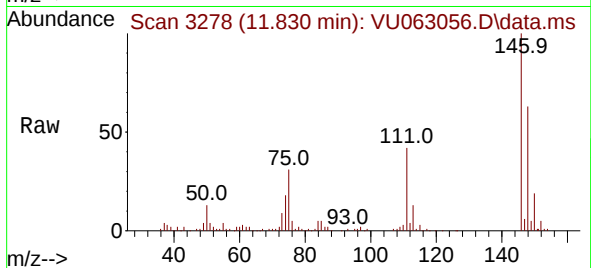
Tgt Ion:146 Resp: 89744

Ion Ratio Lower Upper

146 100

111 42.5 29.5 54.9

148 63.0 45.1 83.9



#67

1,2-Dichlorobenzene

Concen: 3.791 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. -0.000 min

Lab File: VU063056.D

Acq: 28 Jan 2025 08:33

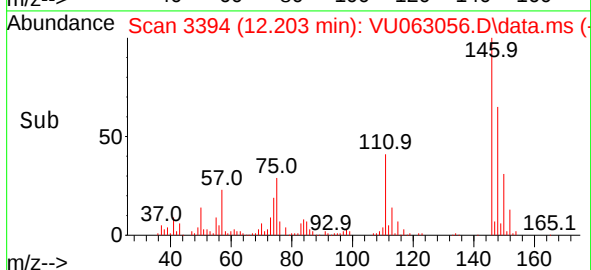
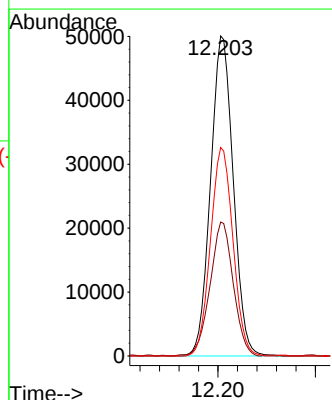
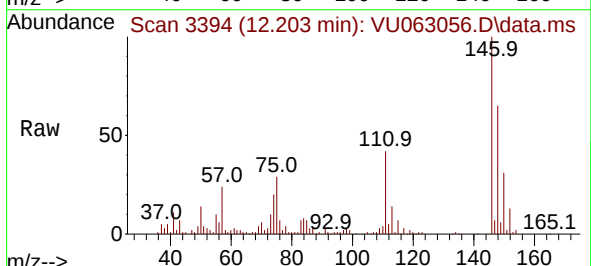
Tgt Ion:146 Resp: 80797

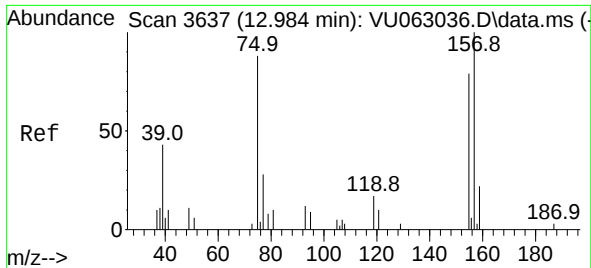
Ion Ratio Lower Upper

146 100

111 41.8 36.3 54.5

148 65.2 52.0 78.0

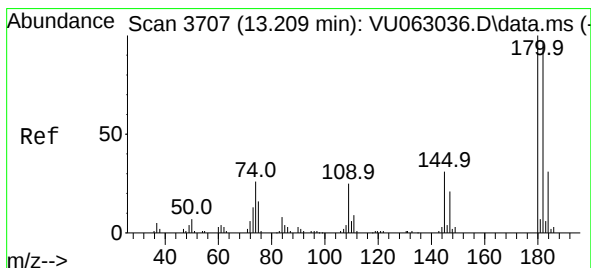
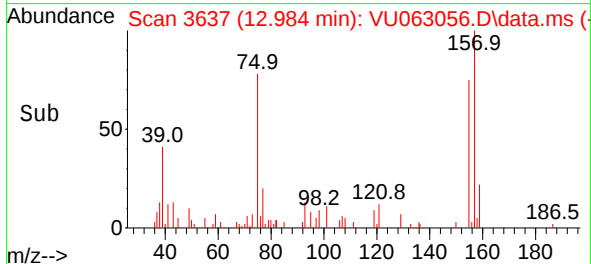
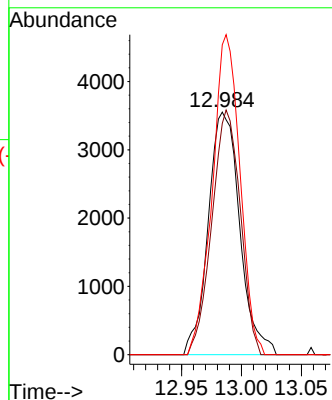
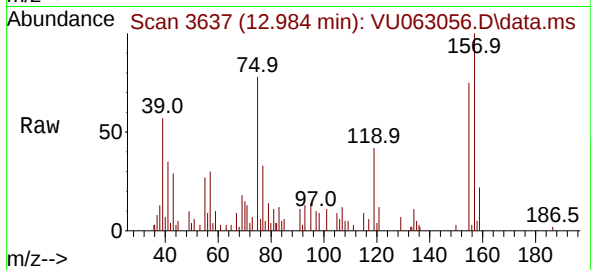




#68
1,2-Dibromo-3-chloropropane
Concen: 4.325 ug/L
RT: 12.984 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

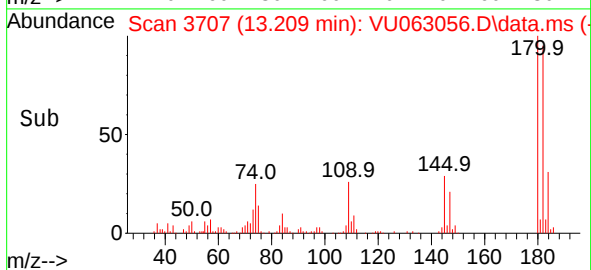
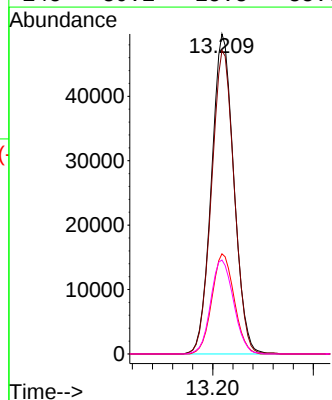
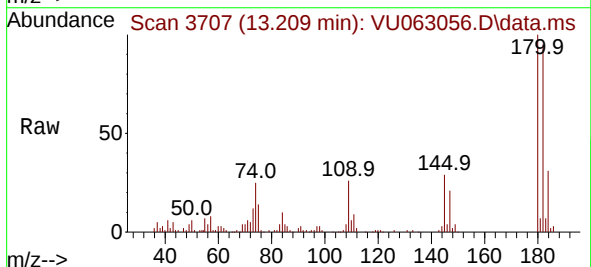
Instrument :
MSVOA_U
ClientSampleId :

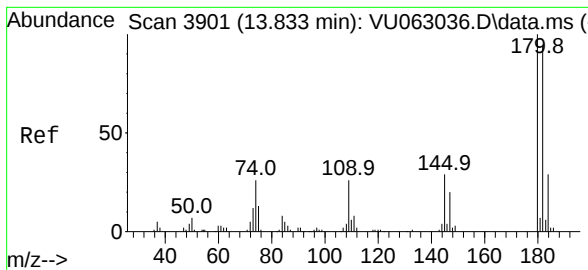
Tgt Ion: 75 Resp: 6481
Ion Ratio Lower Upper
75 100
155 95.3 59.6 89.4#
157 127.7 70.8 106.2#



#69
1,3,5-Trichlorobenzene
Concen: 4.240 ug/L
RT: 13.209 min Scan# 3707
Delta R.T. -0.000 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

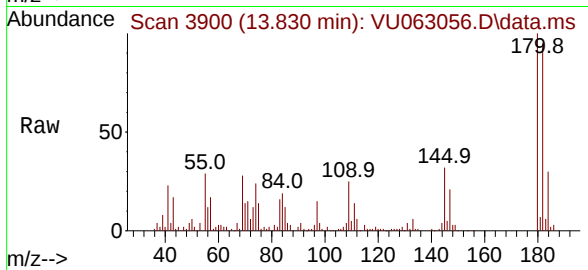
Tgt Ion:180 Resp: 76732
Ion Ratio Lower Upper
180 100
182 96.0 75.8 113.8
184 31.1 24.7 37.1
145 30.1 25.8 38.6



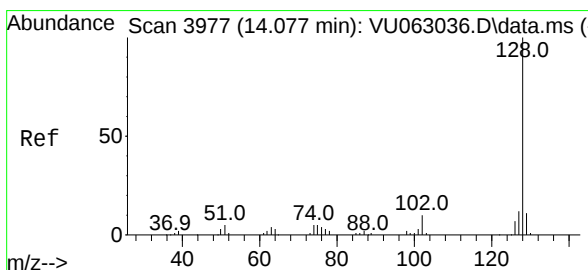
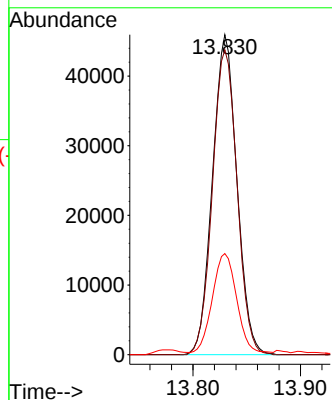
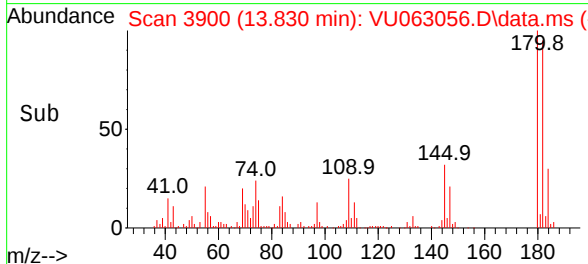


#70
1,2,4-trichlorobenzene
Concen: 5.112 ug/L
RT: 13.830 min Scan# 3901
Delta R.T. -0.003 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33

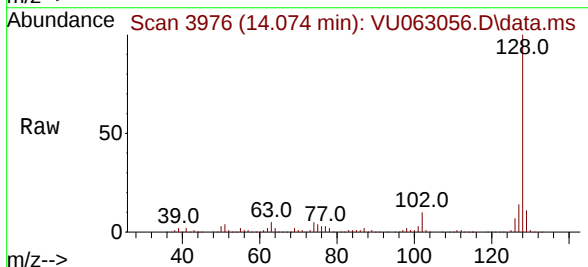
Instrument :
MSVOA_U
ClientSampleId :



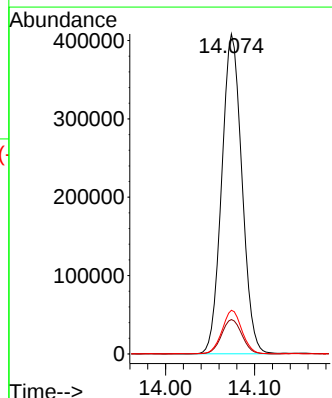
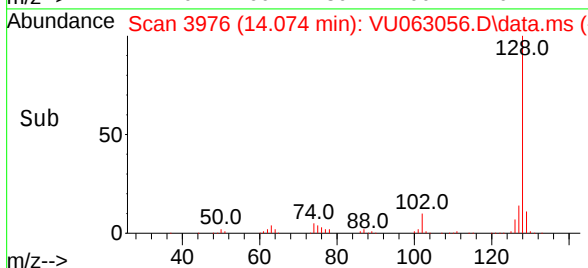
Tgt Ion:180 Resp: 72393
Ion Ratio Lower Upper
180 100
182 96.0 77.1 115.7
145 31.0 26.9 40.3

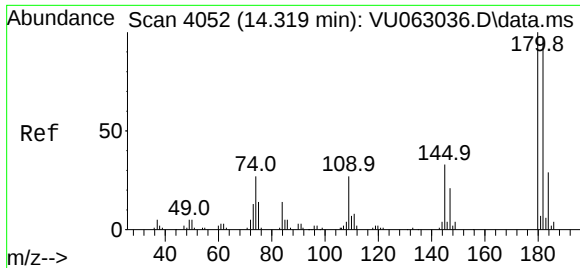


#71
Naphthalene
Concen: 35.428 ug/L
RT: 14.074 min Scan# 3976
Delta R.T. -0.003 min
Lab File: VU063056.D
Acq: 28 Jan 2025 08:33



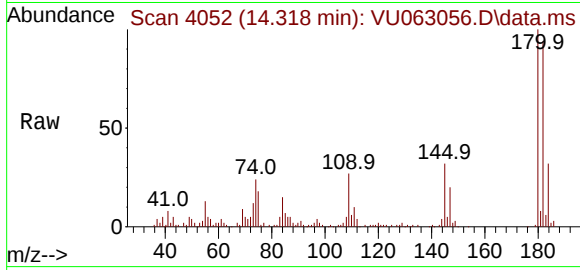
Tgt Ion:128 Resp: 643812
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 13.4 10.2 15.2





#72
 1,2,3-Trichlorobenzene
 Concen: 5.109 ug/L
 RT: 14.318 min Scan# 4052
 Delta R.T. -0.000 min
 Lab File: VU063056.D
 Acq: 28 Jan 2025 08:33

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	62514
Ion Ratio	Lower	Upper	
180	100		
182	96.3	79.8	119.6
145	35.0	29.2	43.8

