

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070224\
 Data File : VU059728.D
 Acq On : 02 Jul 2024 10:03
 Operator : MD/SY
 Sample : VSTD200
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 03 01:23:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 03 01:21:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	332980	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	325666	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	181736	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	425684	210.188	ug/L	0.00
7) Chloroethane-d5	1.898	69	358061	205.800	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	63	747729	190.914	ug/L	0.00
21) 2-Butanone-d5	4.602	46	653233	363.440	ug/L	0.00
24) Chloroform-d	5.049	84	820142	204.345	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.689	65	491978	202.047	ug/L	0.00
32) Benzene-d6	5.718	84	1690485	219.923	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	520543	201.063	ug/L	0.00
41) Toluene-d8	7.891	98	1635909	244.053	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	264719	246.973	ug/L	0.00
47) 2-Hexanone-d5	8.621	63	526207	448.115	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	821179	190.344	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.184	152	668933	234.613	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	387772	125.821	ug/L	100
3) Chloromethane	1.515	50	372039	105.459	ug/L	97
5) Vinyl chloride	1.599	62	446740	127.068	ug/L	100
6) Bromomethane	1.837	94	266664	100.280	ug/L	99
8) Chloroethane	1.920	64	283148	127.178	ug/L	99
9) Trichlorofluoromethane	2.129	101	603434	143.362	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	391338	158.033	ug/L	99
12) 1,1-Dichloroethene	2.570	96	366482	162.975	ug/L	99
13) Acetone	2.612	43	518857	251.623	ug/L	99
14) Carbon disulfide	2.785	76	926779	126.625	ug/L	99
15) Methyl Acetate	2.933	43	450954	138.833	ug/L	97
16) Methylene chloride	3.033	84	438224	144.595	ug/L	99
17) trans-1,2-Dichloroethene	3.342	96	387345	159.749	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	1303712	165.177	ug/L	100
19) 1,1-Dichloroethane	3.856	63	727543	142.415	ug/L	99
20) cis-1,2-Dichloroethene	4.653	96	474063	169.477	ug/L	98
22) 2-Butanone	4.682	43	715746	286.185	ug/L	99
23) Bromochloromethane	4.962	128	245663	172.196	ug/L	97
25) Chloroform	5.075	83	779905	155.430	ug/L	99
27) 1,2-Dichloroethane	5.782	62	591964	142.492	ug/L	100
29) Cyclohexane	5.377	56	583785	145.016	ug/L	99
30) 1,1,1-Trichloroethane	5.303	97	640844	158.809	ug/L	99
31) Carbon tetrachloride	5.515	117	534235	162.395	ug/L	99
33) Benzene	5.763	78	1682859	151.453	ug/L	100
34) Trichloroethene	6.531	95	451896	164.502	ug/L	98
35) Methylcyclohexane	6.753	83	661208	165.795	ug/L	98
37) 1,2-Dichloropropane	6.779	63	461425	147.069	ug/L	99
38) Bromodichloromethane	7.094	83	601340	161.703	ug/L	100
39) cis-1,3-Dichloropropene	7.599	75	766211	173.879	ug/L	97
40) 4-Methyl-2-pentanone	7.779	43	1293165	317.207	ug/L	99
42) Toluene	7.962	91	1891744	167.859	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	701935	176.431	ug/L	99

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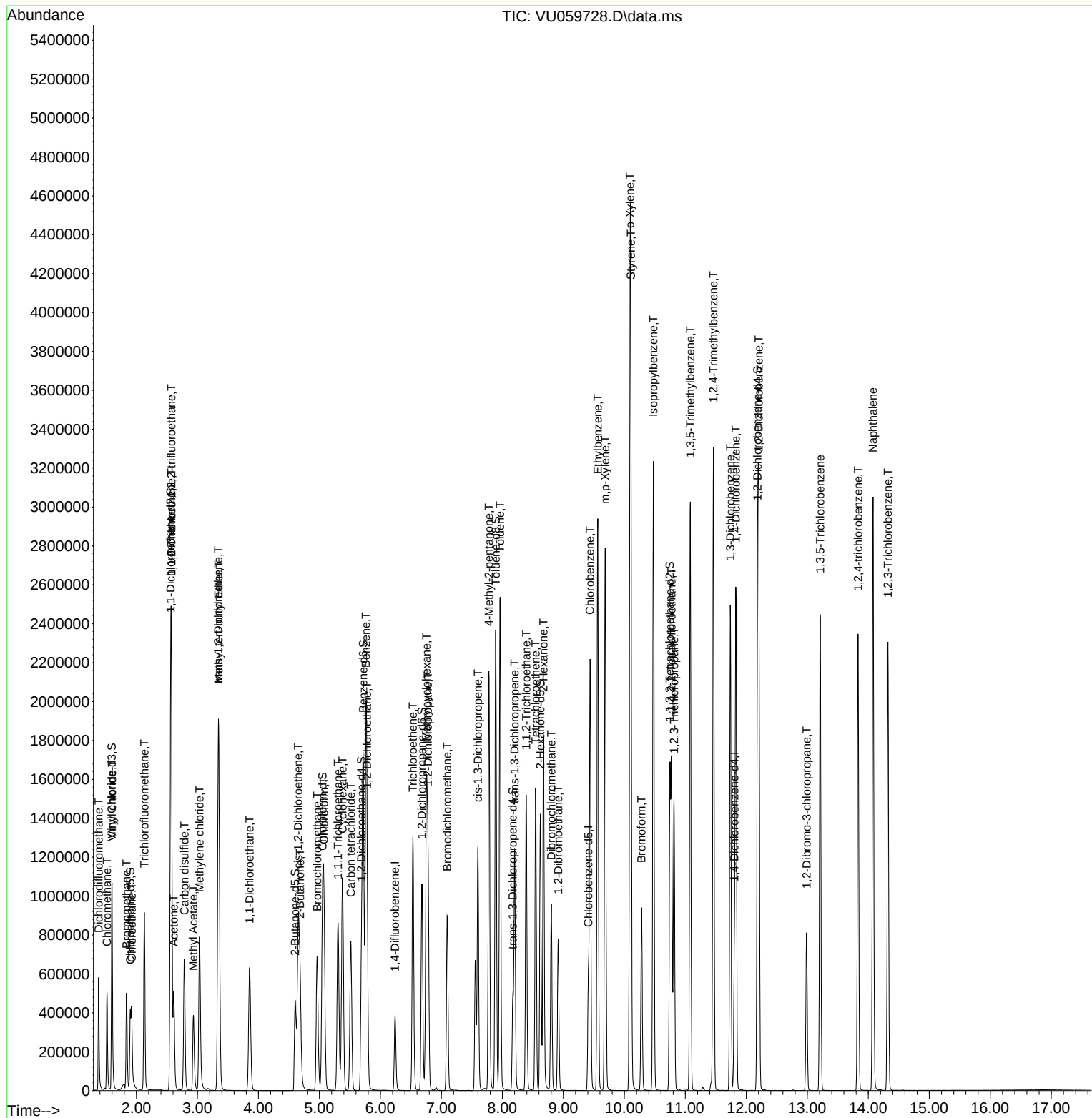
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.390	97	482802	167.177	ug/L	99
46) Tetrachloroethene	8.544	164	362275	190.352	ug/L	99
48) 2-Hexanone	8.673	43	1049418	304.837	ug/L	99
49) Dibromochloromethane	8.801	129	498377	188.205	ug/L	100
50) 1,2-Dibromoethane	8.914	107	525722	175.623	ug/L	100
51) Chlorobenzene	9.438	112	1229211	177.619	ug/L	99
52) Ethylbenzene	9.563	91	2103691	180.420	ug/L	99
53) m,p-Xylene	9.685	106	817143	189.219	ug/L	99
54) o-Xylene	10.094	106	802086	191.346	ug/L	99
55) Styrene	10.107	104	1408805	197.985	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	842673	161.243	ug/L	100
59) Bromoform	10.280	173	428656	182.499	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	633972	133.793	ug/L	99
61) Isopropylbenzene	10.476	105	2119025	173.162	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	1638405	184.772	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	1801549	188.627	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	1055144	180.680	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	1076130	178.570	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	1065193	176.106	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.988	75	200676	166.877	ug/L	98
69) 1,3,5-Trichlorobenzene	13.213	180	805419	206.670	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	760809	238.622	ug/L	100
71) Naphthalene	14.078	128	2429679	240.727	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	744644	230.405	ug/L	98

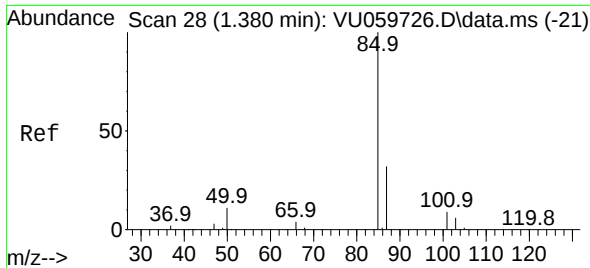
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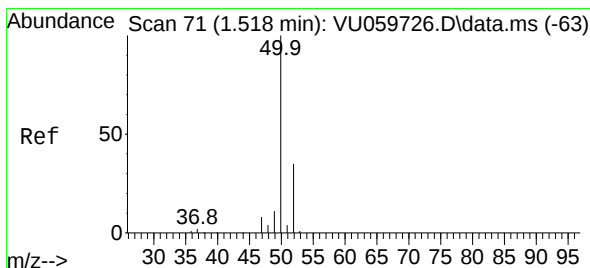
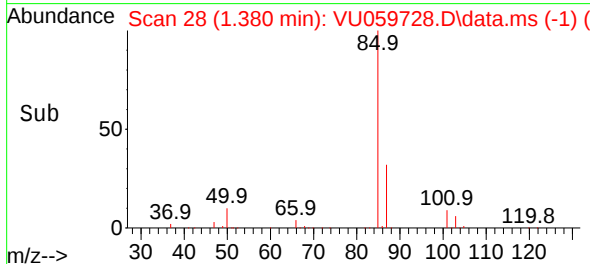
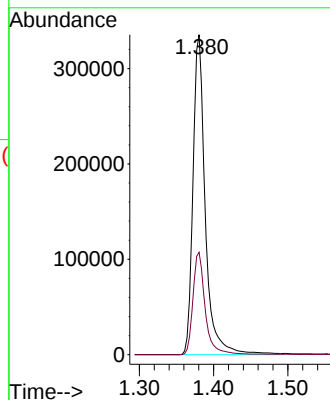
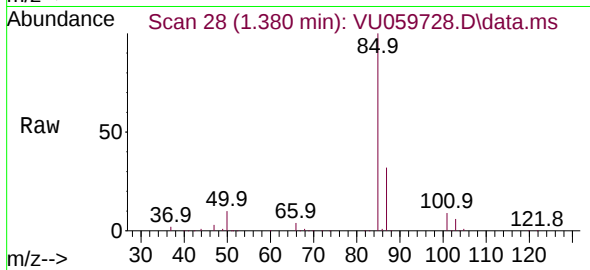




#2
 Dichlorodifluoromethane
 Concen: 125.821 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU059728.D
 Acq: 02 Jul 2024 10:03

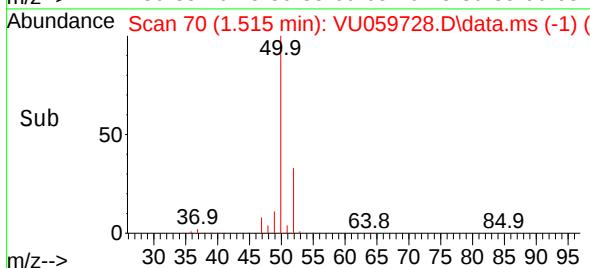
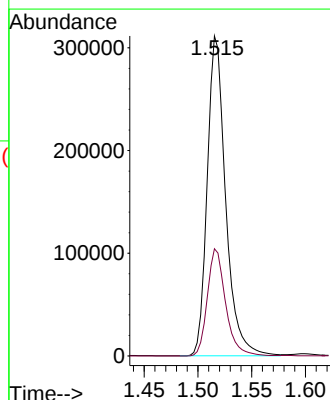
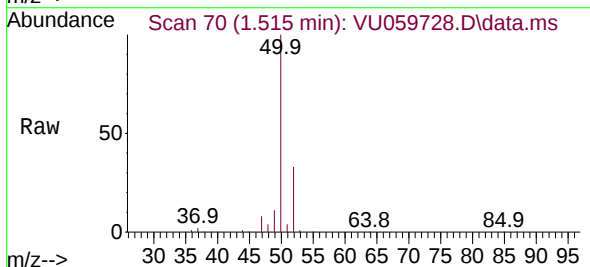
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 MSVOA_U
 ClientSampleId :

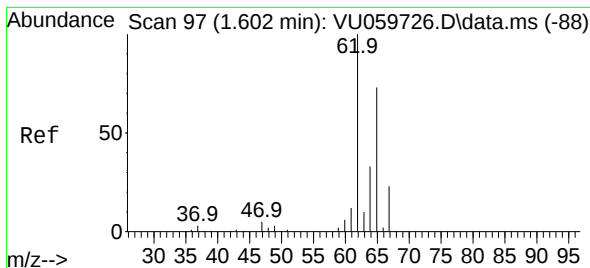
Tgt Ion: 85 Resp: 387772
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.4 38.2



#3
 Chloromethane
 Concen: 105.459 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU059728.D
 Acq: 02 Jul 2024 10:03

Tgt Ion: 50 Resp: 372039
 Ion Ratio Lower Upper
 50 100
 52 33.5 24.5 45.5





#5

Vinyl chloride

Concen: 127.068 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.003 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

Instrument :

MSVOA_U

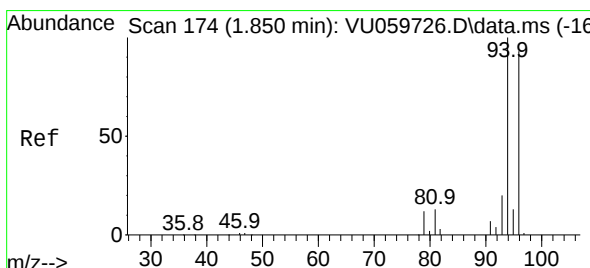
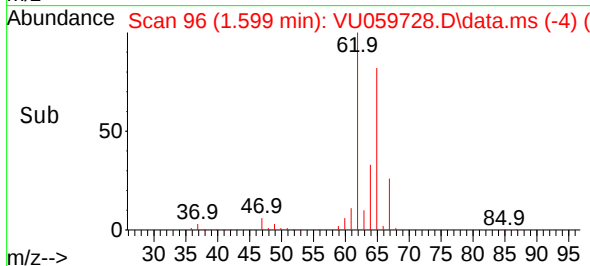
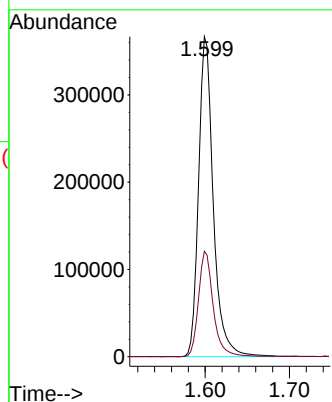
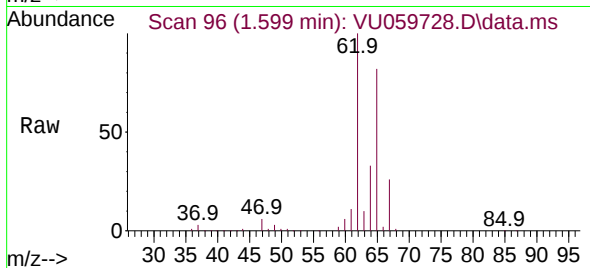
ClientSampleId :

Tgt Ion: 62 Resp: 446740

Ion Ratio Lower Upper

62 100

64 32.9 22.9 42.5



#6

Bromomethane

Concen: 100.280 ug/L

RT: 1.837 min Scan# 170

Delta R.T. -0.013 min

Lab File: VU059728.D

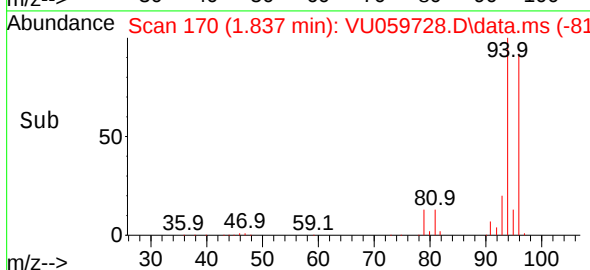
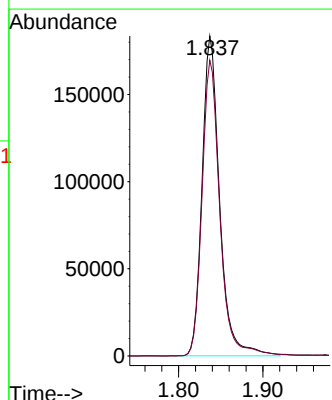
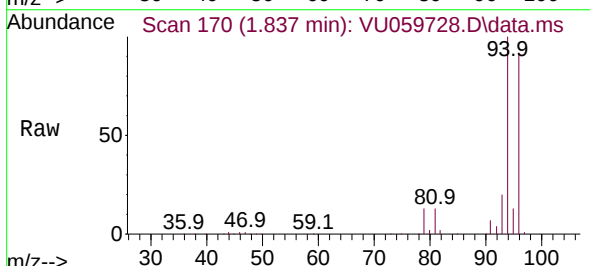
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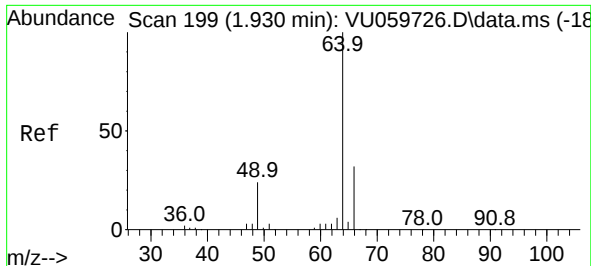
Tgt Ion: 94 Resp: 266664

Ion Ratio Lower Upper

94 100

96 92.4 65.2 121.2

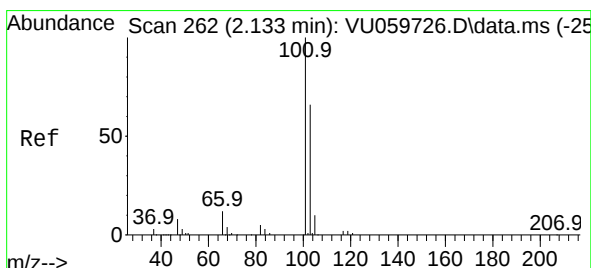
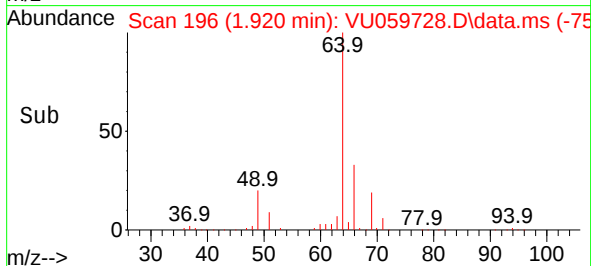
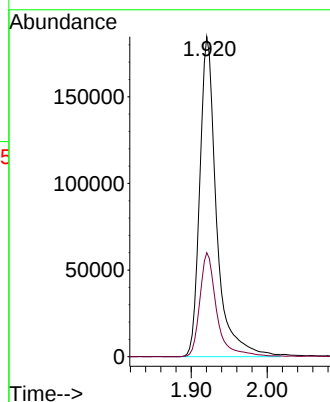
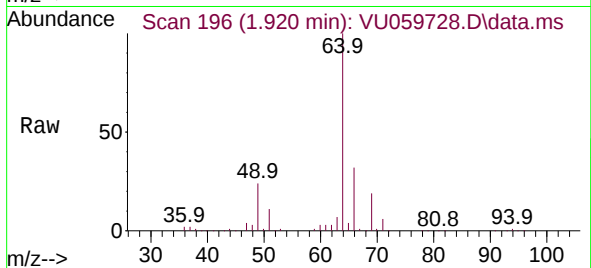




#8
Chloroethane
Concen: 127.178 ug/L
RT: 1.920 min Scan# 196
Delta R.T. -0.010 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

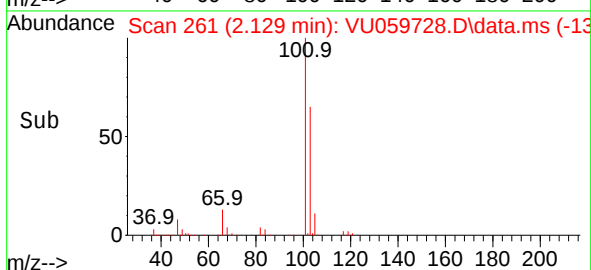
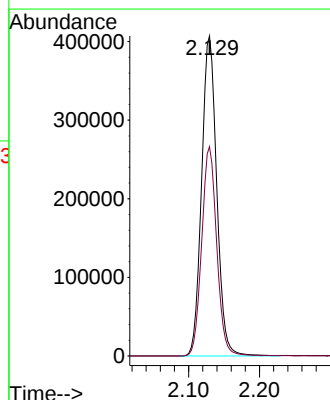
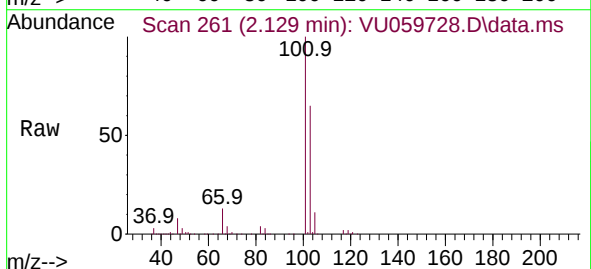
Instrument :
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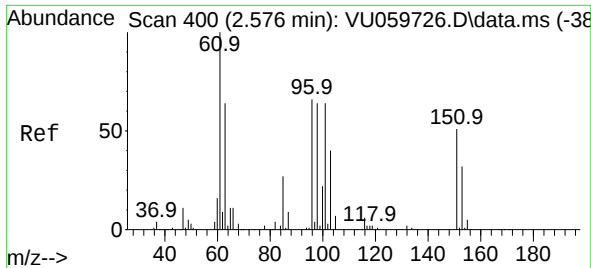
Tgt Ion: 64 Resp: 283148
Ion Ratio Lower Upper
64 100
66 32.5 22.3 41.3



#9
Trichlorofluoromethane
Concen: 143.362 ug/L
RT: 2.129 min Scan# 261
Delta R.T. -0.003 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

Tgt Ion:101 Resp: 603434
Ion Ratio Lower Upper
101 100
103 64.9 52.3 78.5

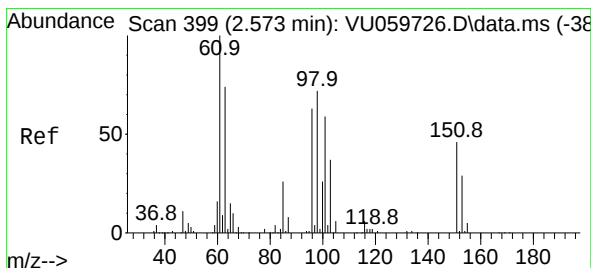
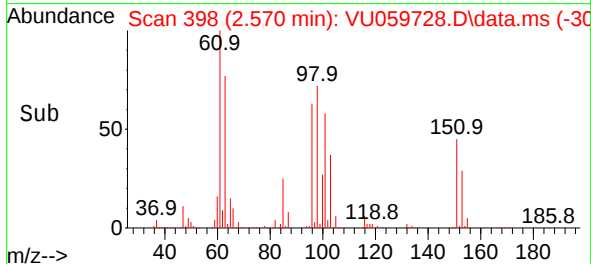
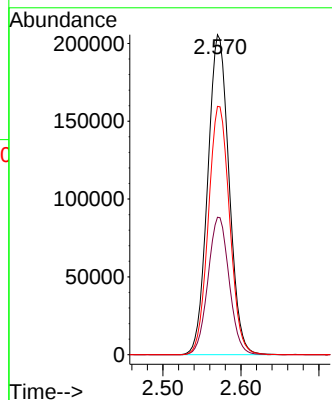
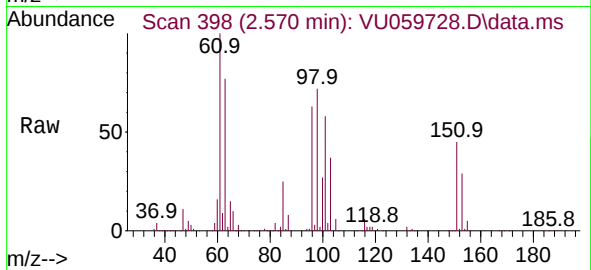




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 158.033 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.006 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

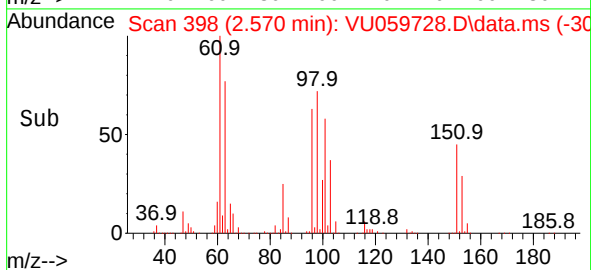
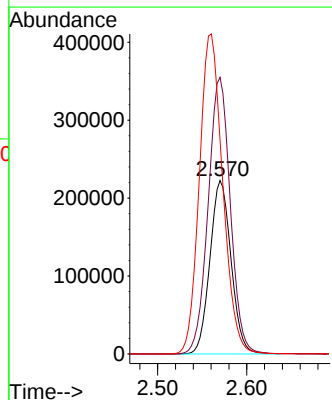
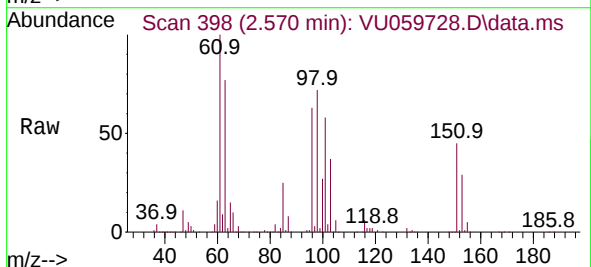
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ClientSampleId :

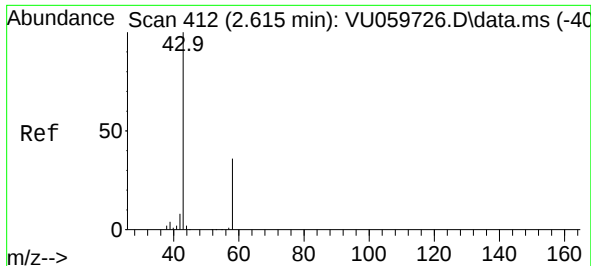
Tgt Ion:101 Resp: 391338
Ion Ratio Lower Upper
101 100
85 42.7 34.8 52.2
151 77.4 62.3 93.5



#12
1,1-Dichloroethene
Concen: 162.975 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.003 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

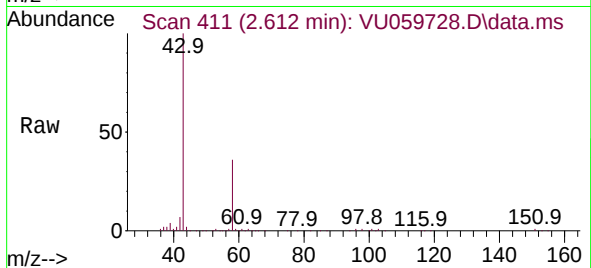
Tgt Ion: 96 Resp: 366482
Ion Ratio Lower Upper
96 100
61 159.6 112.2 208.4
63 123.4 87.4 162.2



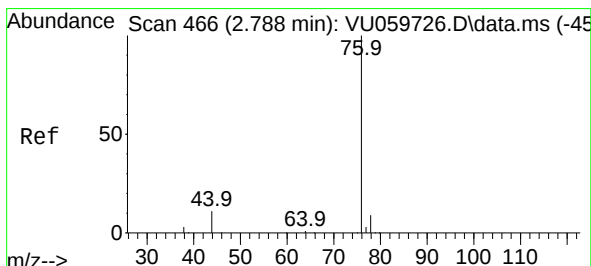
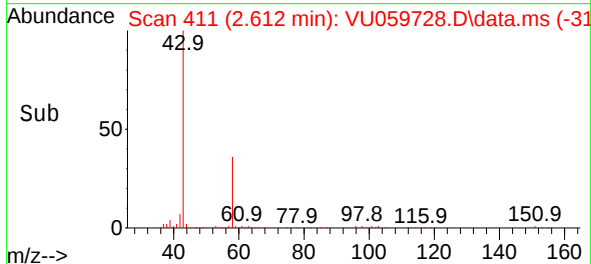
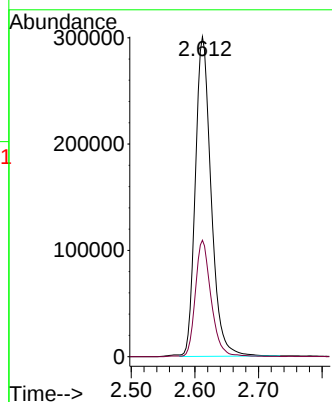


#13
Acetone
Concen: 251.623 ug/L
RT: 2.612 min Scan# 411
Delta R.T. -0.003 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

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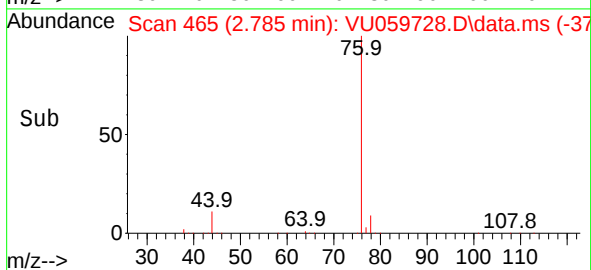
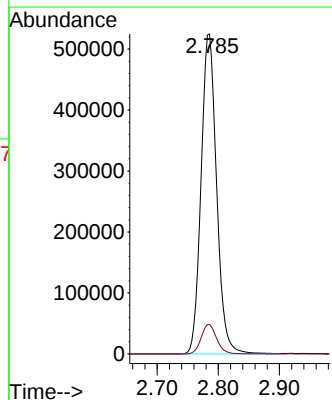
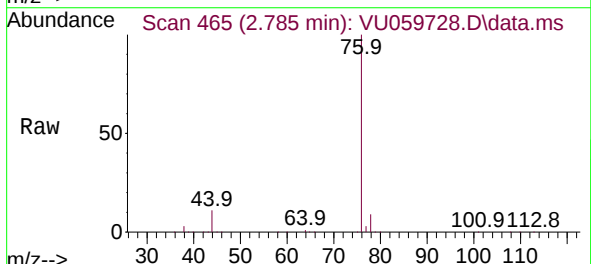


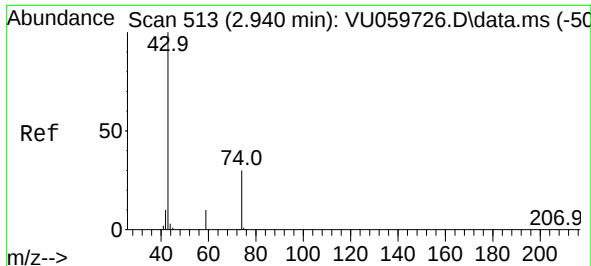
Tgt Ion: 43 Resp: 518857
Ion Ratio Lower Upper
43 100
58 36.1 0.0 73.8



#14
Carbon disulfide
Concen: 126.625 ug/L
RT: 2.785 min Scan# 465
Delta R.T. -0.003 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

Tgt Ion: 76 Resp: 926779
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4





#15

Methyl Acetate

Concen: 138.833 ug/L

RT: 2.933 min Scan# 51

Delta R.T. -0.006 min

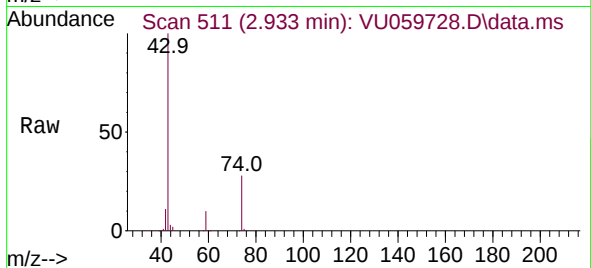
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Acq: 02 Jul 2024 10:03

Instrument :

MSVOA_U

ClientSampleId :

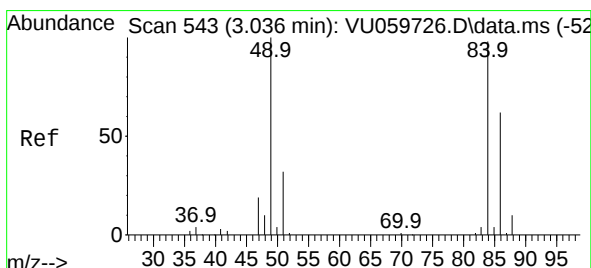
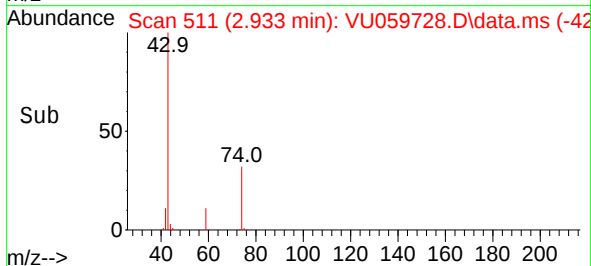
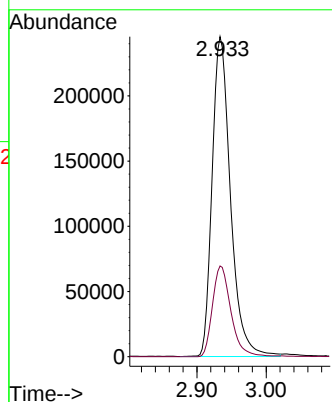


Tgt Ion: 43 Resp: 450954

Ion Ratio Lower Upper

43 100

74 28.5 24.1 36.1



#16

Methylene chloride

Concen: 144.595 ug/L

RT: 3.033 min Scan# 542

Delta R.T. -0.003 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

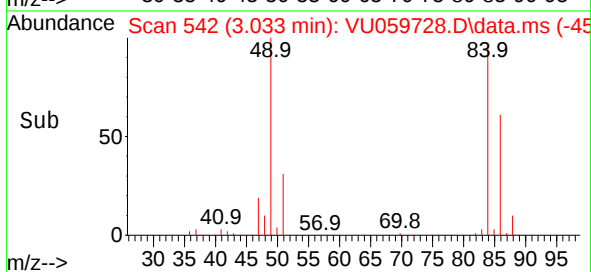
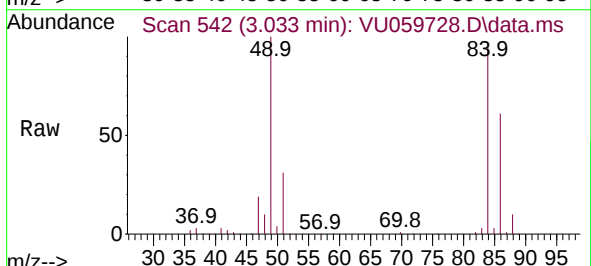
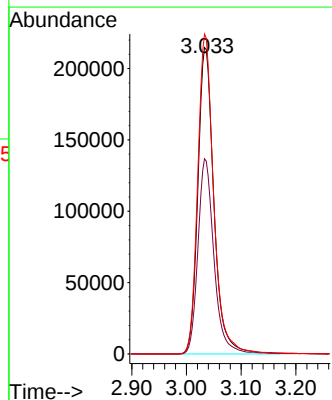
Tgt Ion: 84 Resp: 438224

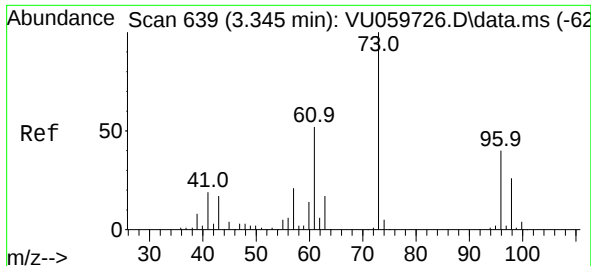
Ion Ratio Lower Upper

84 100

86 63.7 44.7 83.1

49 104.4 71.6 133.0

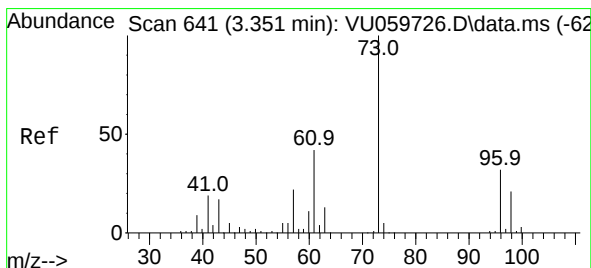
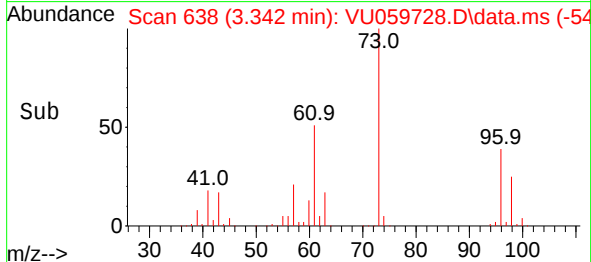
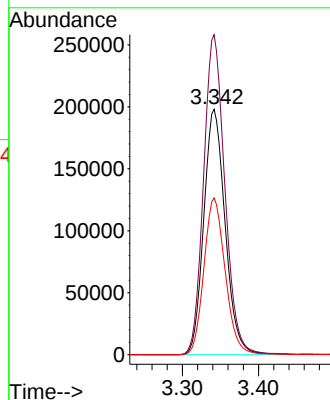
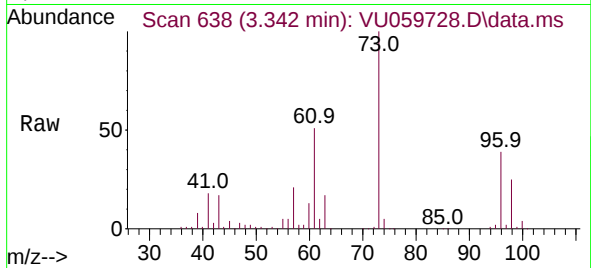




#17
trans-1,2-Dichloroethene
Concen: 159.749 ug/L
RT: 3.342 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

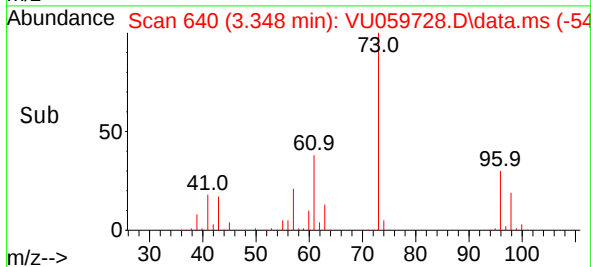
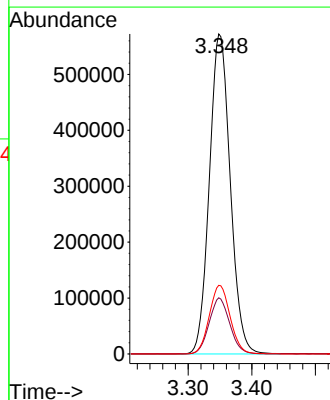
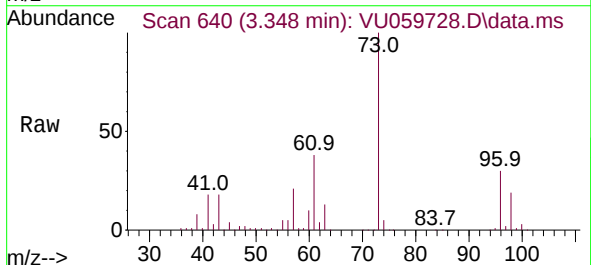
Instrument :
MSVOA_U
ClientSampleId :

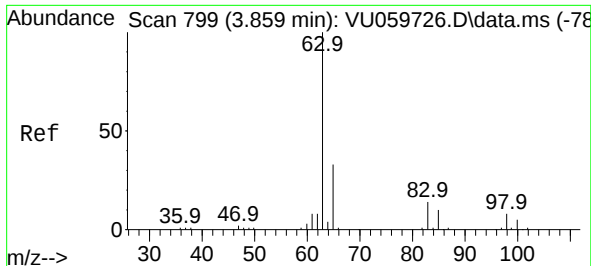
Tgt Ion: 96 Resp: 387345
Ion Ratio Lower Upper
96 100
61 130.4 90.6 168.3
98 63.9 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 165.177 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

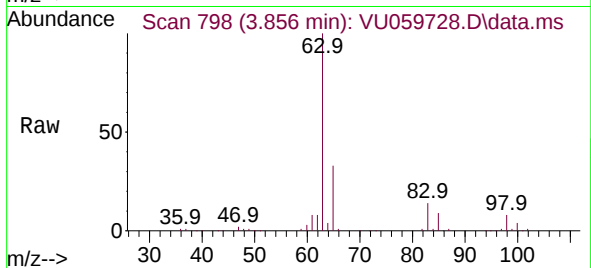
Tgt Ion: 73 Resp: 1303712
Ion Ratio Lower Upper
73 100
43 17.2 14.1 21.1
57 21.5 17.1 25.7



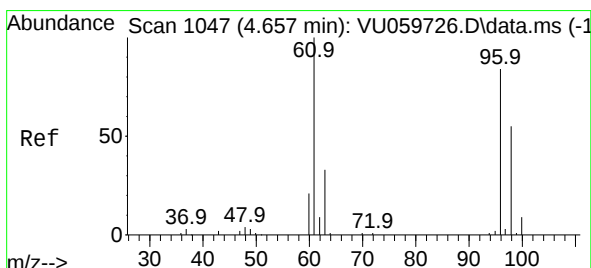
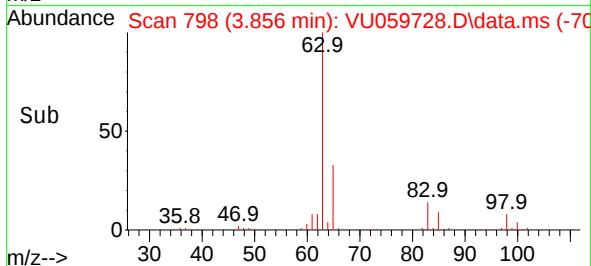
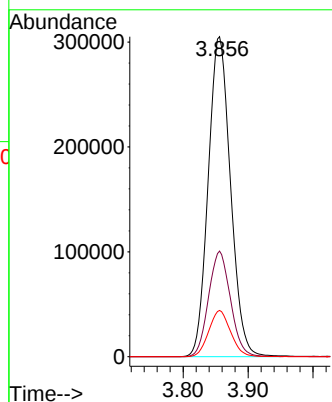


#19
1,1-Dichloroethane
Concen: 142.415 ug/L
RT: 3.856 min Scan# 799
Delta R.T. -0.003 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

Instrument :
MSVOA_U
ClientSampleId :

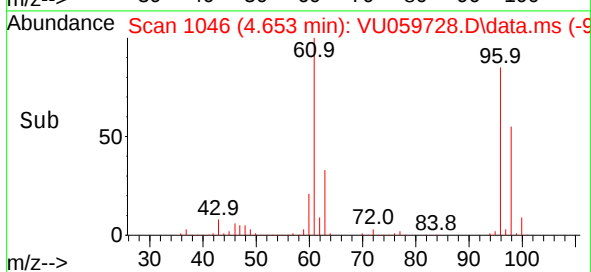
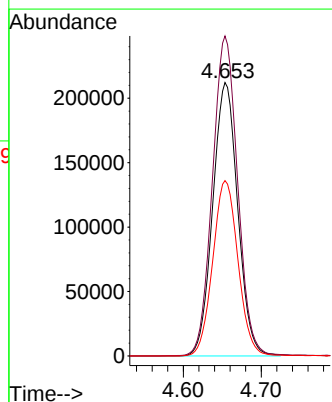
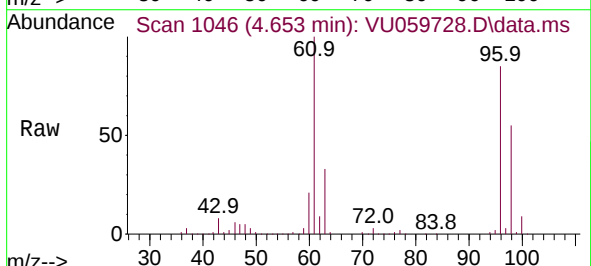


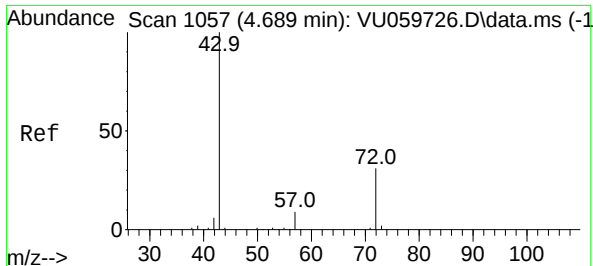
Tgt Ion: 63 Resp: 727543
Ion Ratio Lower Upper
63 100
65 33.0 23.3 43.3
83 14.5 9.8 18.2



#20
cis-1,2-Dichloroethene
Concen: 169.477 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. -0.003 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

Tgt Ion: 96 Resp: 474063
Ion Ratio Lower Upper
96 100
61 117.0 83.2 154.4
98 64.1 45.9 85.3

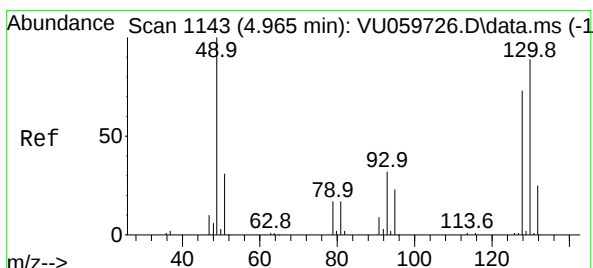
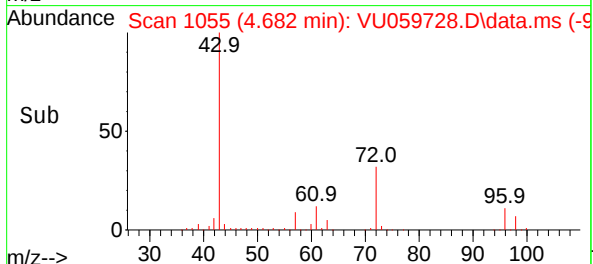
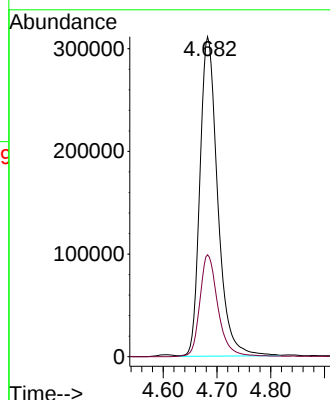
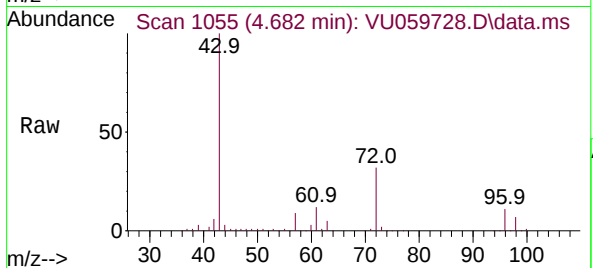




#22
2-Butanone
Concen: 286.185 ug/L
RT: 4.682 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

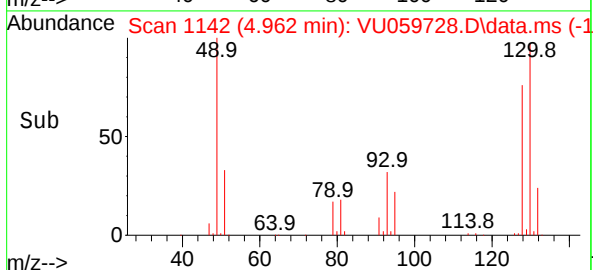
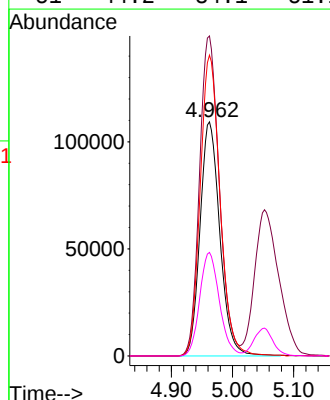
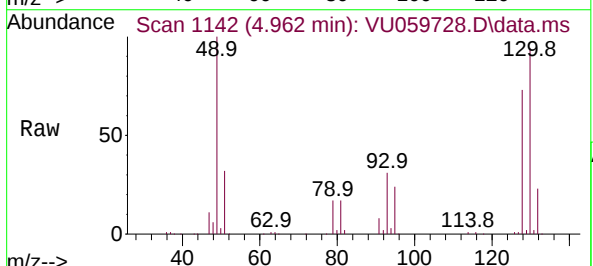
Instrument :
MSVOA_U
ClientSampleId :

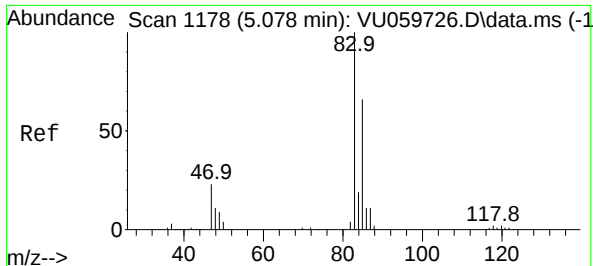
Tgt Ion: 43 Resp: 715746
Ion Ratio Lower Upper
43 100
72 32.5 16.4 49.2



#23
Bromochloromethane
Concen: 172.196 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. -0.003 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

Tgt Ion:128 Resp: 245663
Ion Ratio Lower Upper
128 100
49 136.7 96.7 179.7
130 128.5 86.3 160.3
51 44.2 34.1 51.1





#25

Chloroform

Concen: 155.430 ug/L

RT: 5.075 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

Instrument :

MSVOA_U

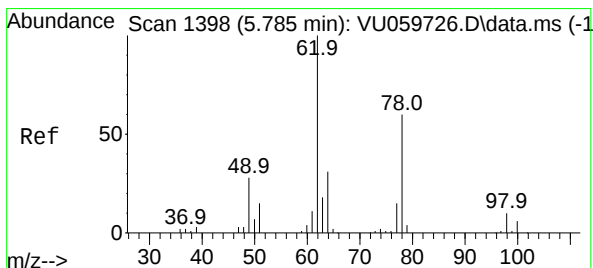
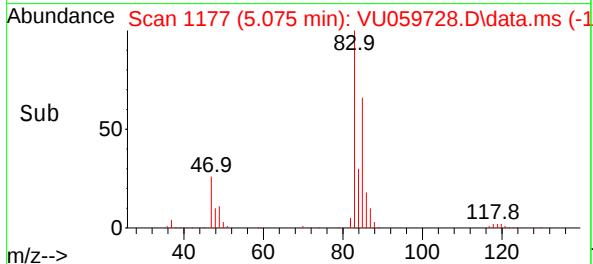
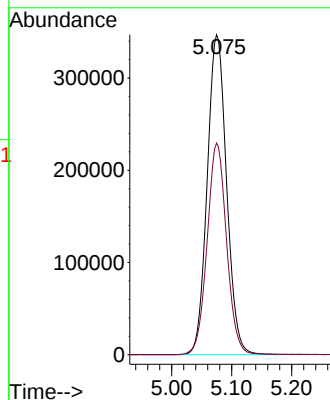
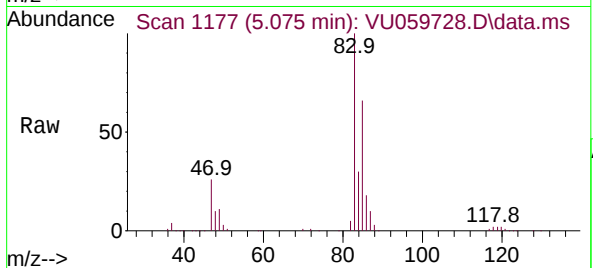
ClientSampleId :

Tgt Ion: 83 Resp: 779905

Ion Ratio Lower Upper

83 100

85 66.1 46.7 86.7



#27

1,2-Dichloroethane

Concen: 142.492 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.003 min

Lab File: VU059728.D

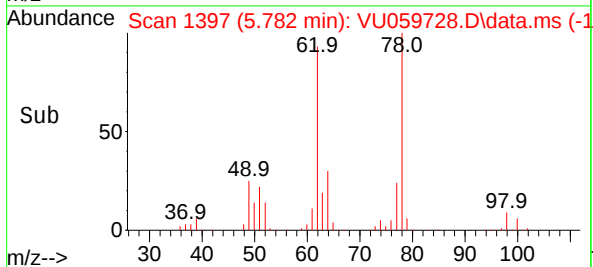
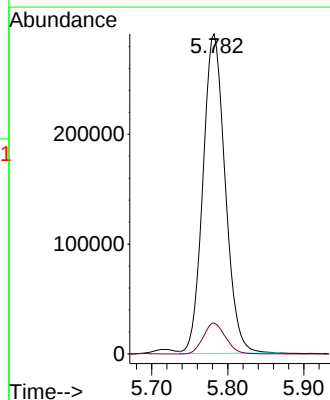
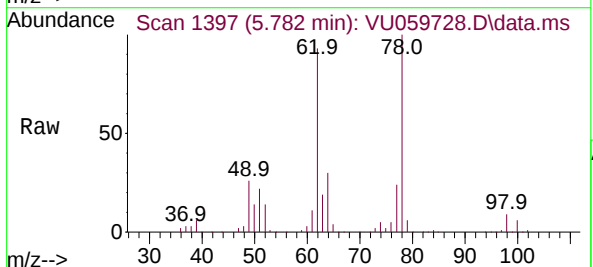
Acq: 02 Jul 2024 10:03

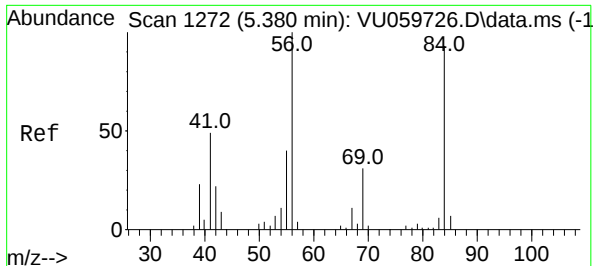
Tgt Ion: 62 Resp: 591964

Ion Ratio Lower Upper

62 100

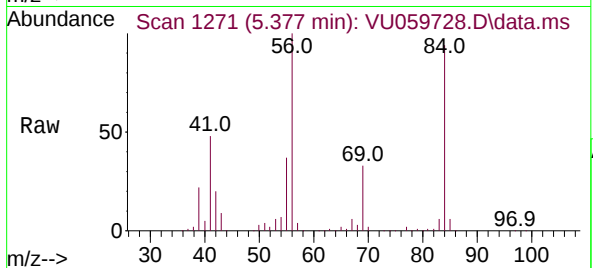
98 9.7 7.8 11.8



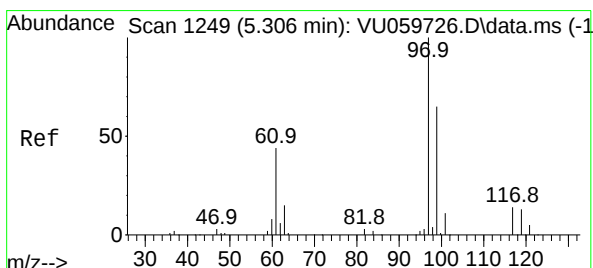
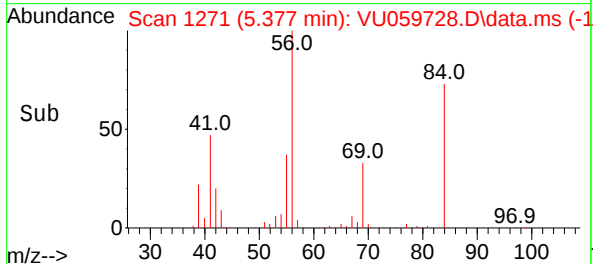
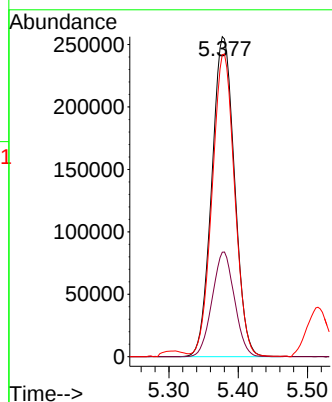


#29
Cyclohexane
Concen: 145.016 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. -0.003 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

Instrument :
MSVOA_U
ClientSampleId :

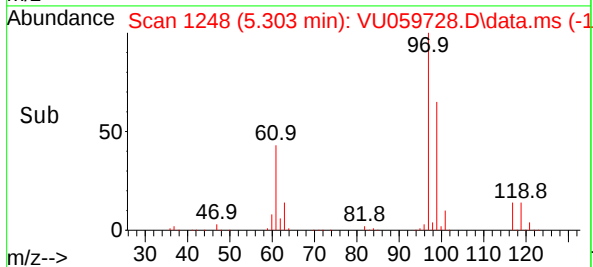
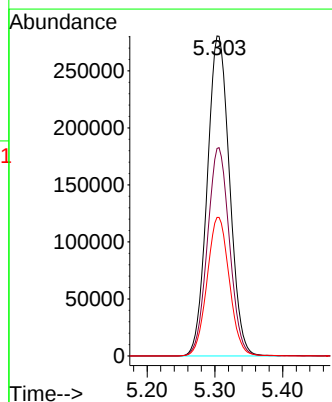
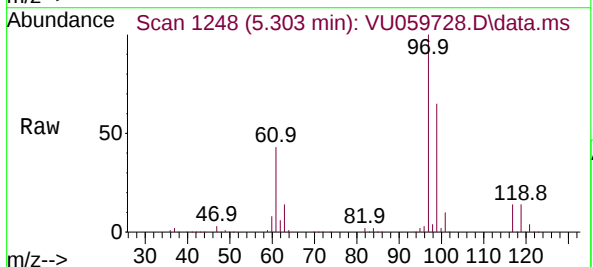


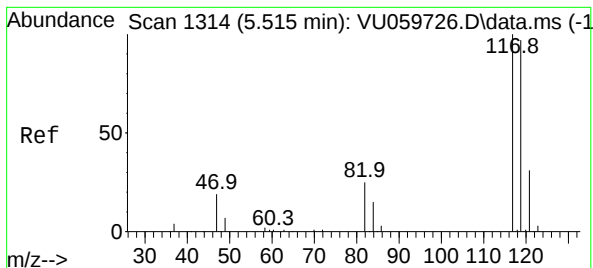
Tgt Ion: 56 Resp: 583785
Ion Ratio Lower Upper
56 100
69 32.1 26.0 39.0
84 93.7 75.5 113.3



#30
1,1,1-Trichloroethane
Concen: 158.809 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. -0.003 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

Tgt Ion: 97 Resp: 640844
Ion Ratio Lower Upper
97 100
99 64.5 52.2 78.2
61 43.3 35.2 52.8





#31

Carbon tetrachloride

Concen: 162.395 ug/L

RT: 5.515 min Scan# 1314

Delta R.T. 0.000 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

Instrument :

MSVOA_U

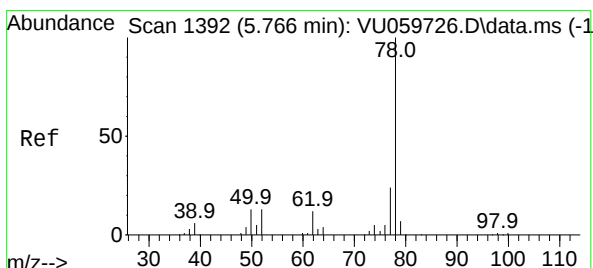
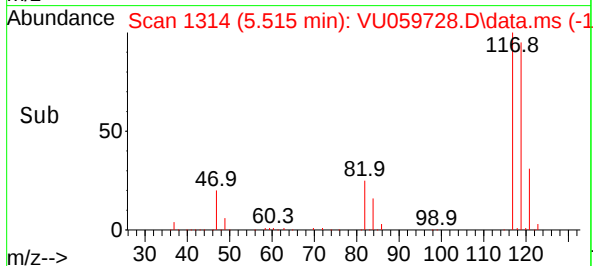
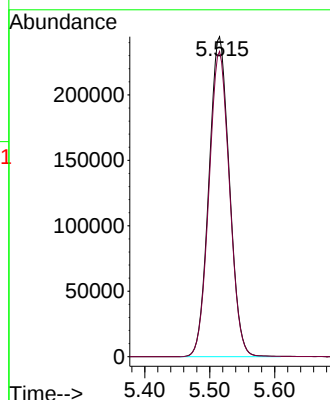
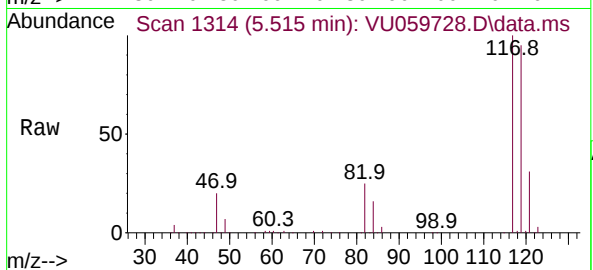
ClientSampleId :

Tgt Ion:117 Resp: 534235

Ion Ratio Lower Upper

117 100

119 95.7 77.6 116.4



#33

Benzene

Concen: 151.453 ug/L

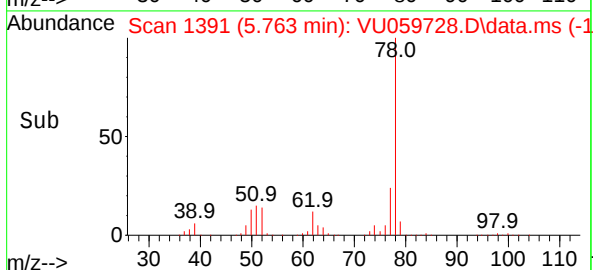
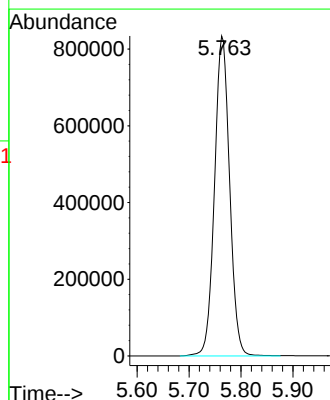
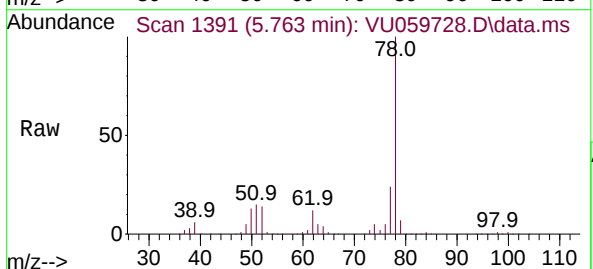
RT: 5.763 min Scan# 1391

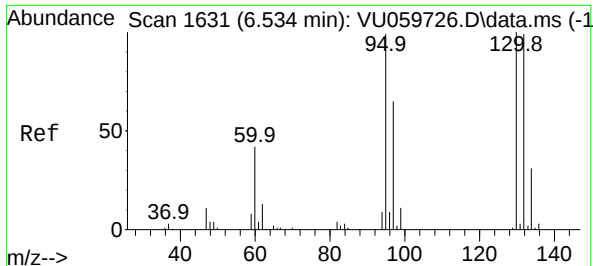
Delta R.T. -0.003 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

Tgt Ion: 78 Resp: 1682859





#34

Trichloroethene

Concen: 164.502 ug/L

RT: 6.531 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 451896

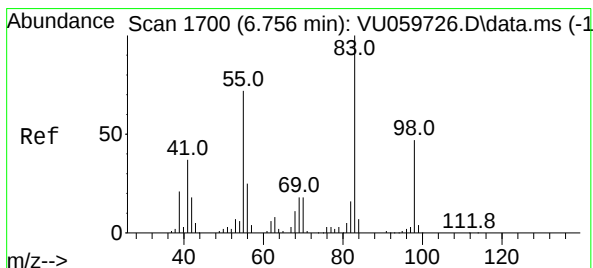
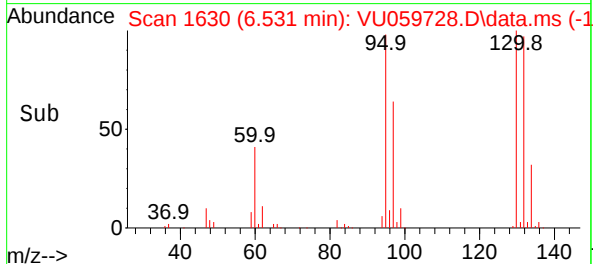
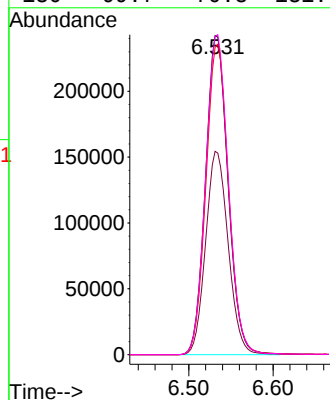
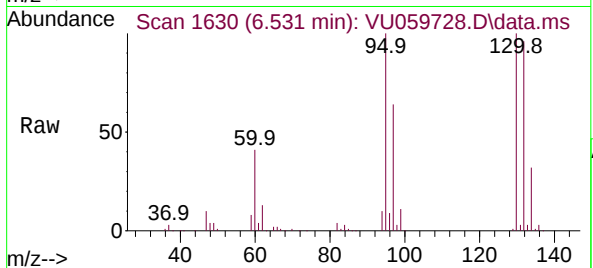
Ion Ratio Lower Upper

95 100

97 63.7 45.8 85.2

132 96.3 69.8 129.6

130 99.7 70.8 131.6



#35

Methylcyclohexane

Concen: 165.795 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

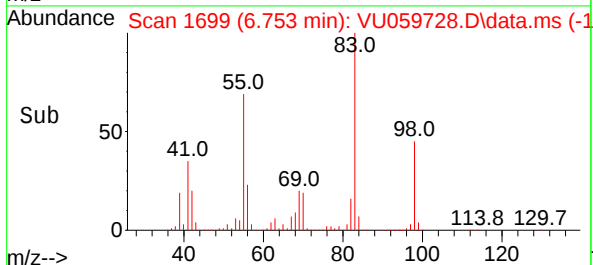
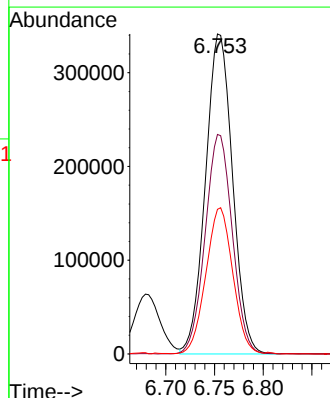
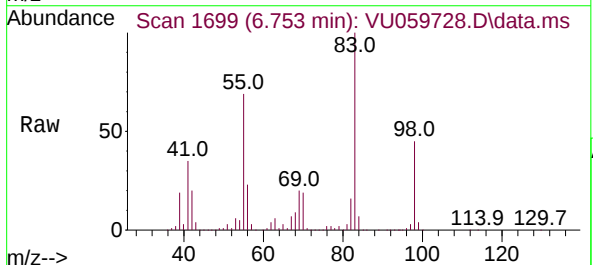
Tgt Ion: 83 Resp: 661208

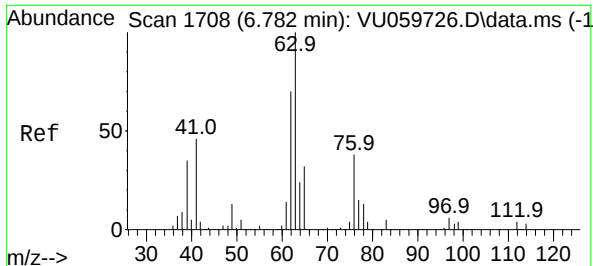
Ion Ratio Lower Upper

83 100

55 68.6 56.8 85.2

98 45.4 36.5 54.7

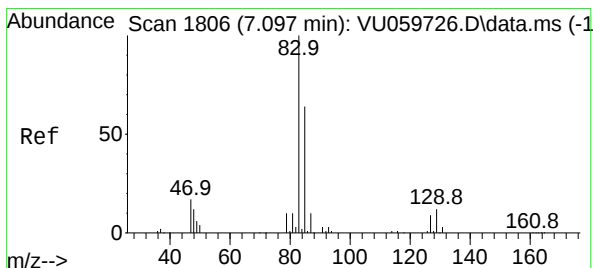
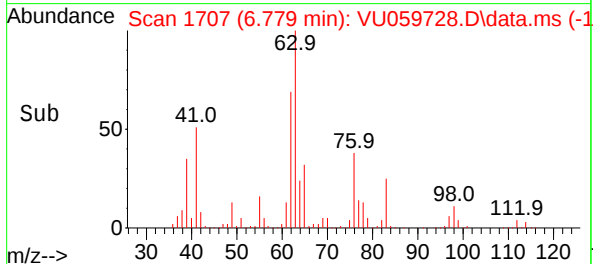
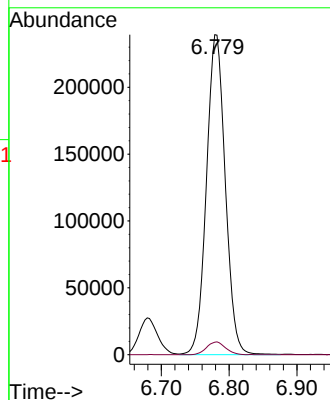
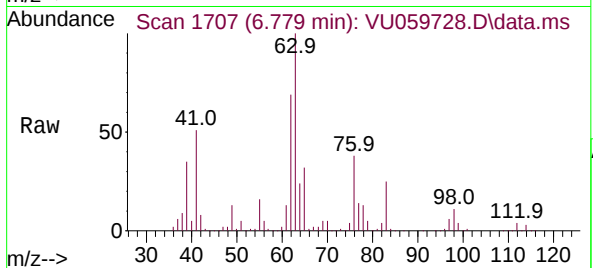




#37
1,2-Dichloropropane
Concen: 147.069 ug/L
RT: 6.779 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

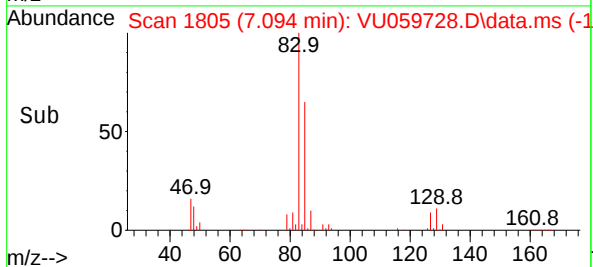
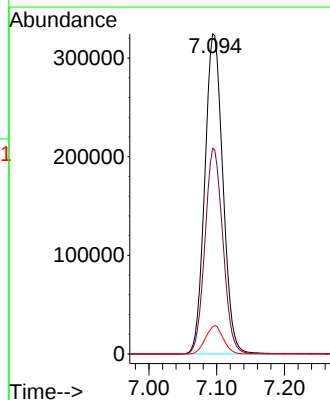
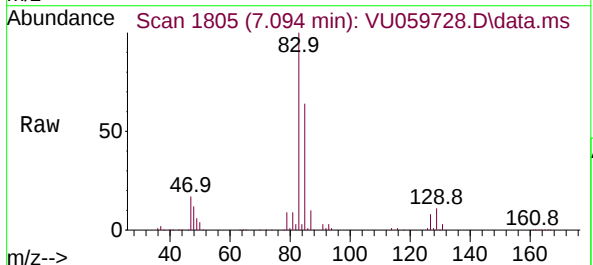
Instrument :
MSVOA_U
ClientSampleId :

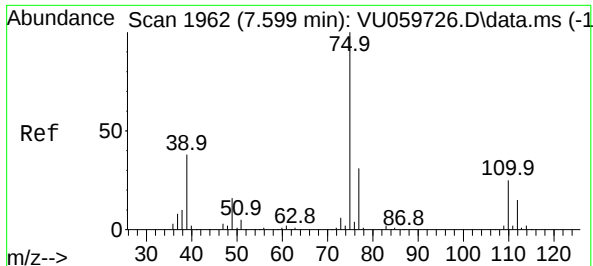
Tgt Ion: 63 Resp: 461425
Ion Ratio Lower Upper
63 100
112 4.0 3.0 4.6



#38
Bromodichloromethane
Concen: 161.703 ug/L
RT: 7.094 min Scan# 1805
Delta R.T. -0.003 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

Tgt Ion: 83 Resp: 601340
Ion Ratio Lower Upper
83 100
85 64.2 45.0 83.6
127 8.5 7.4 11.2

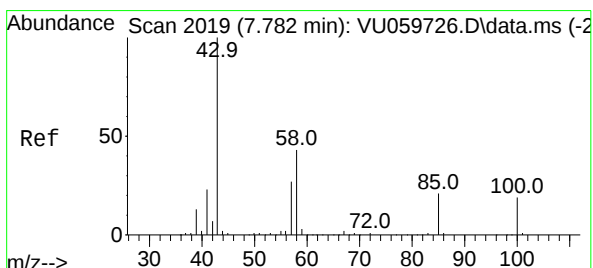
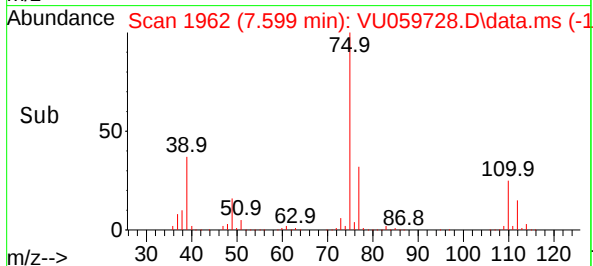
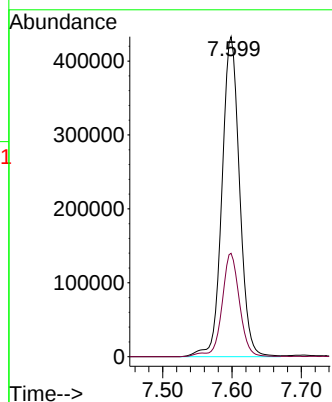
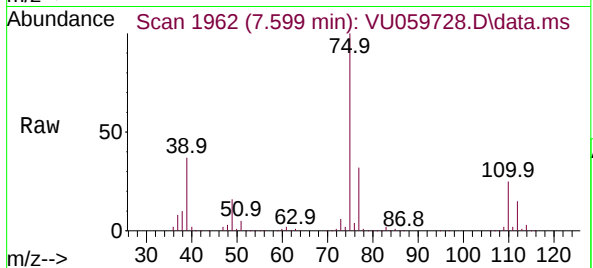




#39
cis-1,3-Dichloropropene
Concen: 173.879 ug/L
RT: 7.599 min Scan# 1962
Delta R.T. 0.000 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

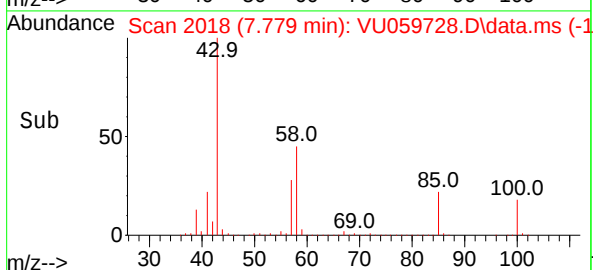
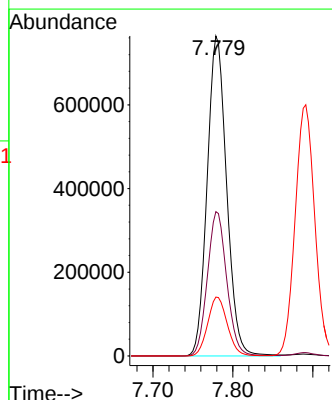
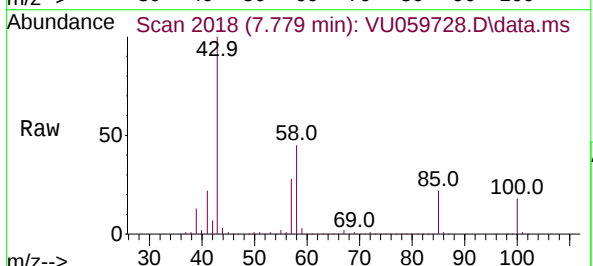
Instrument :
MSVOA_U
ClientSampleId :

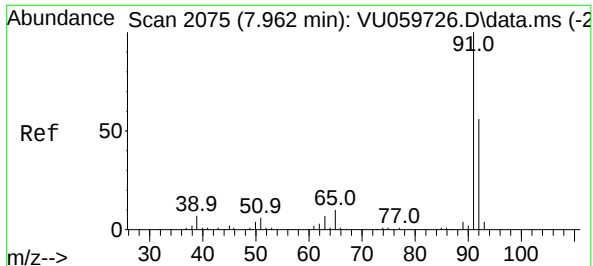
Tgt Ion: 75 Resp: 766211
Ion Ratio Lower Upper
75 100
77 32.3 21.6 40.2



#40
4-Methyl-2-pentanone
Concen: 317.207 ug/L
RT: 7.779 min Scan# 2018
Delta R.T. -0.003 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

Tgt Ion: 43 Resp: 1293165
Ion Ratio Lower Upper
43 100
58 45.0 35.3 52.9
100 18.6 14.6 22.0





#42

Toluene

Concen: 167.859 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

Instrument :

MSVOA_U

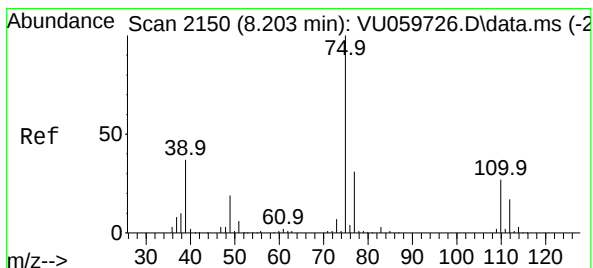
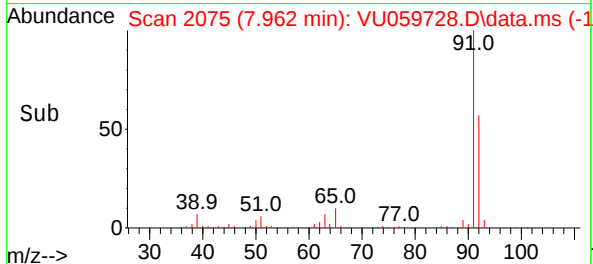
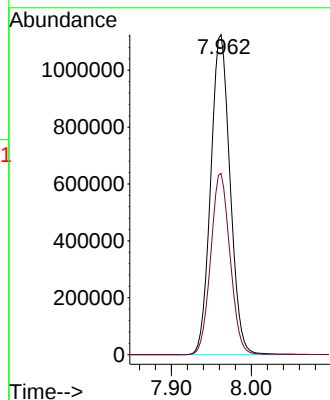
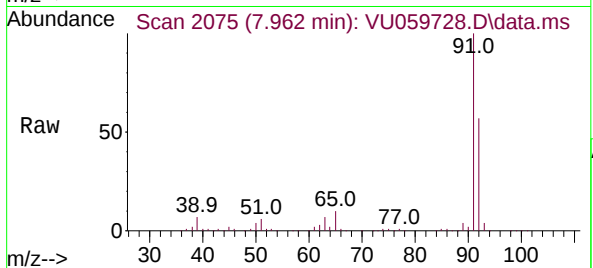
ClientSampleId :

Tgt Ion: 91 Resp: 1891744

Ion Ratio Lower Upper

91 100

92 56.7 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 176.431 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. -0.003 min

Lab File: VU059728.D

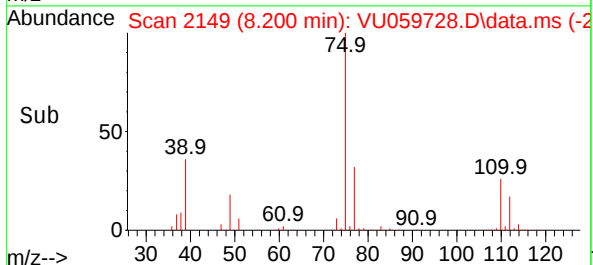
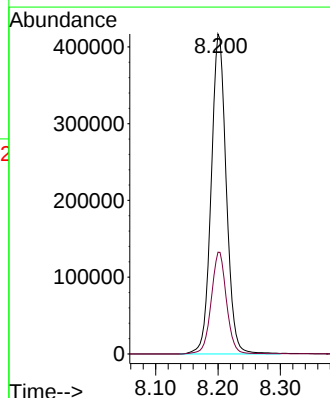
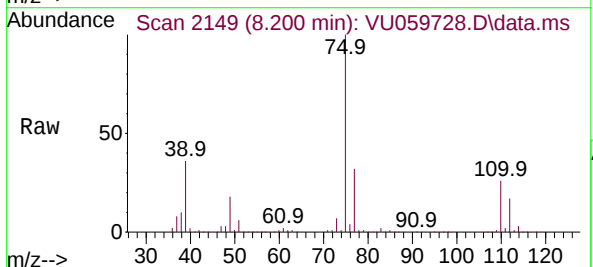
Acq: 02 Jul 2024 10:03

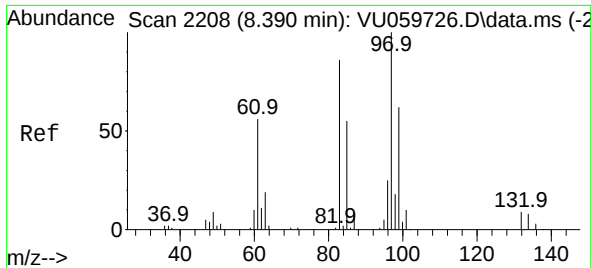
Tgt Ion: 75 Resp: 701935

Ion Ratio Lower Upper

75 100

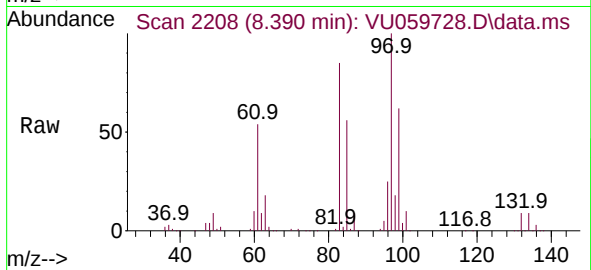
77 31.8 21.7 40.3





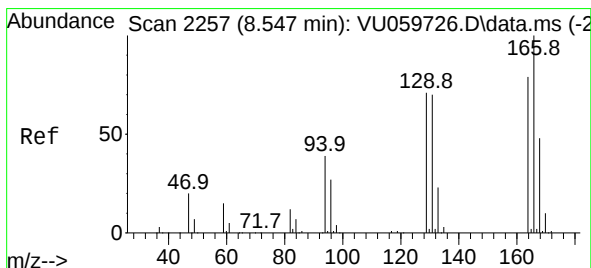
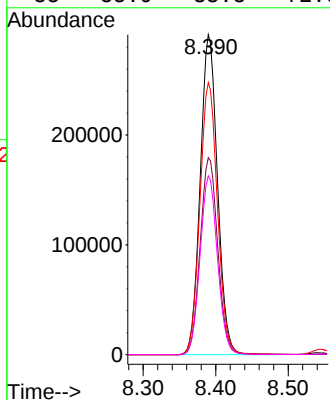
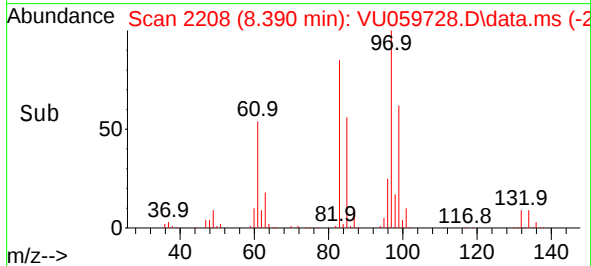
#45
1,1,2-Trichloroethane
Concen: 167.177 ug/L
RT: 8.390 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

Instrument :
MSVOA_U
ClientSampleId :

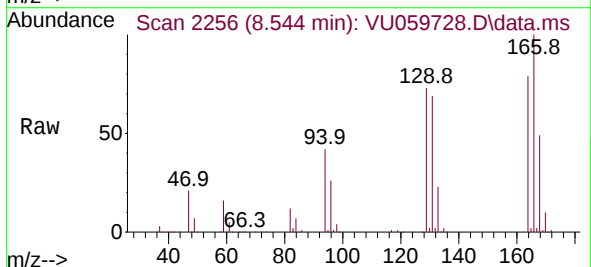


Tgt Ion: 97 Resp: 482802

Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.1	80.1
83	85.1	60.4	112.2
85	55.9	38.8	72.0

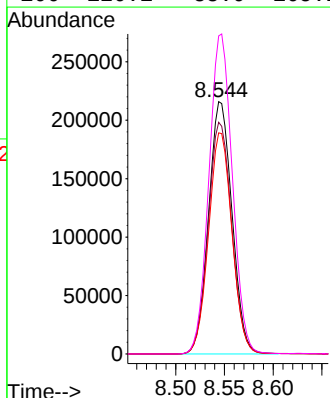
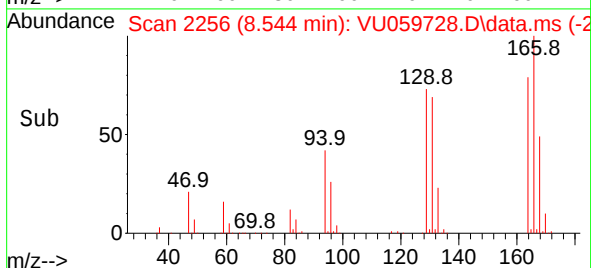


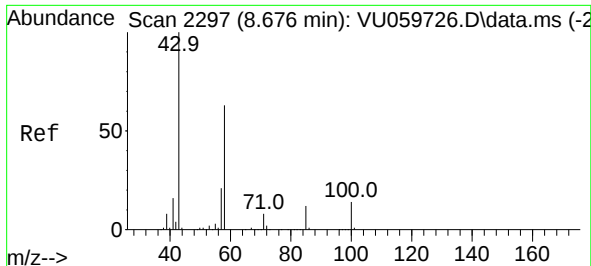
#46
Tetrachloroethene
Concen: 190.352 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03



Tgt Ion: 164 Resp: 362275

Ion	Ratio	Lower	Upper
164	100		
129	91.8	62.7	116.5
131	87.6	62.3	115.7
166	126.1	88.9	165.1





#48

2-Hexanone

Concen: 304.837 ug/L

RT: 8.673 min Scan# 2297

Delta R.T. -0.003 min

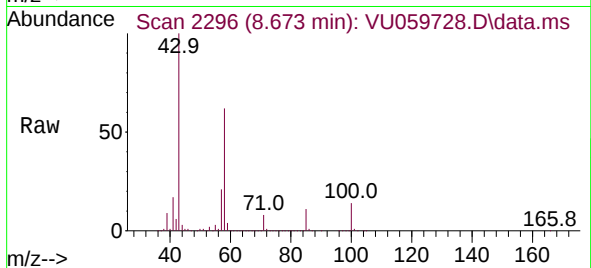
Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

Instrument :

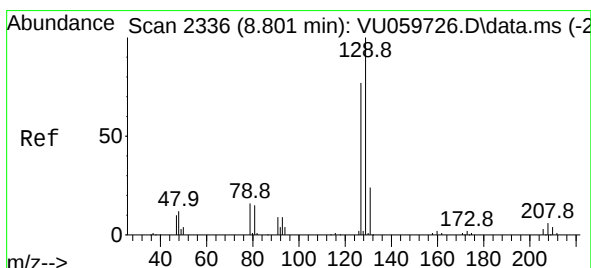
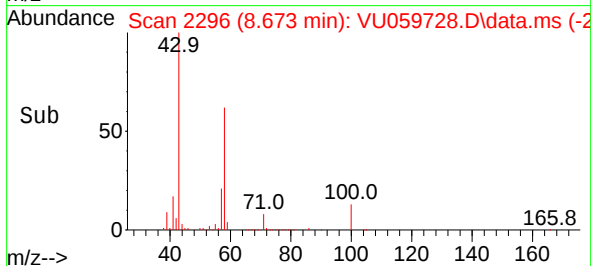
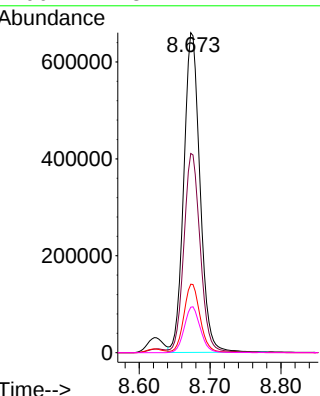
MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 1049418

Ion	Ratio	Lower	Upper
43	100		
58	62.3	49.0	73.6
57	21.4	16.7	25.1
100	14.3	11.4	17.2



#49

Dibromochloromethane

Concen: 188.205 ug/L

RT: 8.801 min Scan# 2336

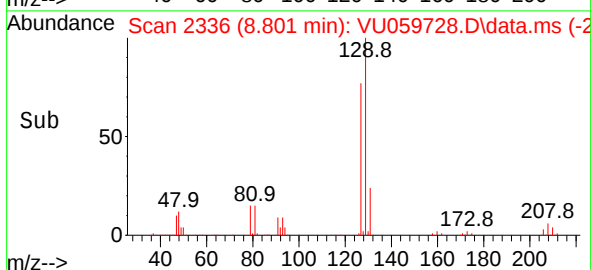
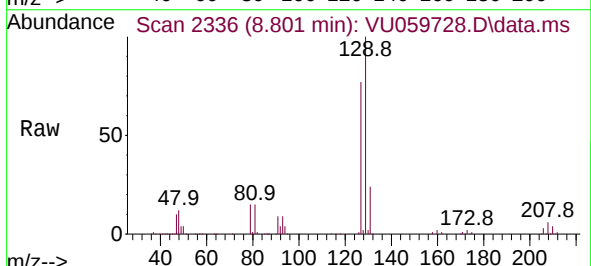
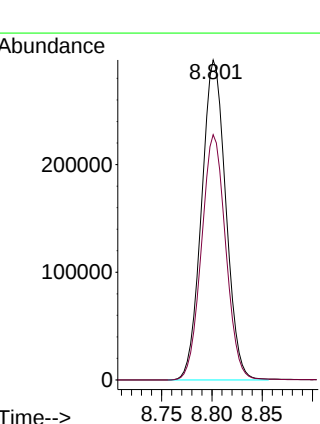
Delta R.T. 0.000 min

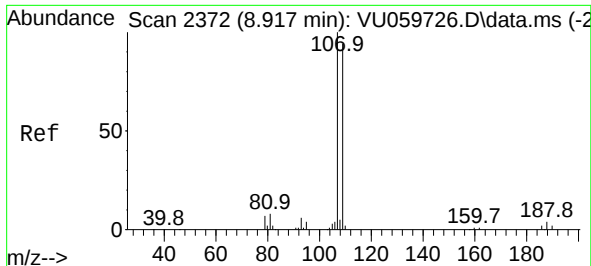
Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

Tgt Ion:129 Resp: 498377

Ion	Ratio	Lower	Upper
129	100		
127	76.7	54.0	100.2





#50

1,2-Dibromoethane

Concen: 175.623 ug/L

RT: 8.914 min Scan# 2371

Delta R.T. -0.003 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

Instrument :

MSVOA_U

ClientSampleId :

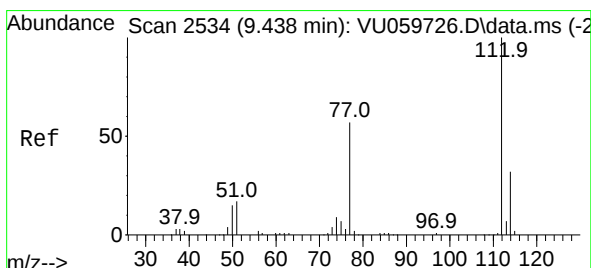
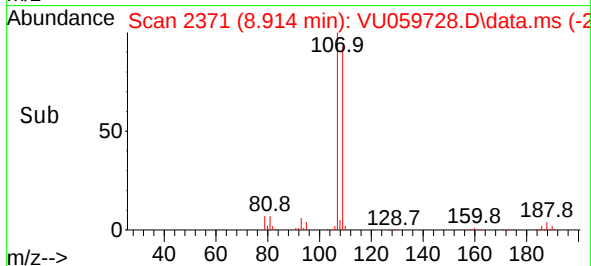
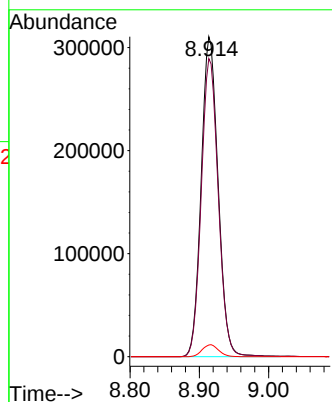
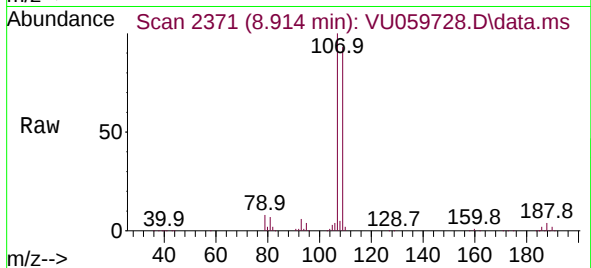
Tgt Ion:107 Resp: 525722

Ion Ratio Lower Upper

107 100

109 93.1 65.5 121.6

188 3.7 3.0 4.4



#51

Chlorobenzene

Concen: 177.619 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. 0.000 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

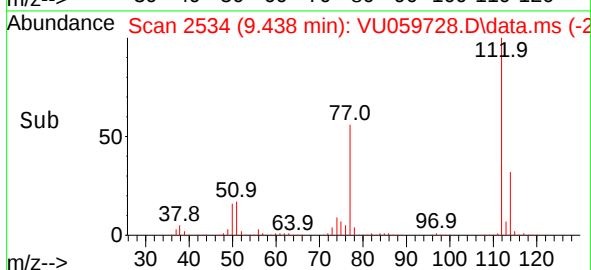
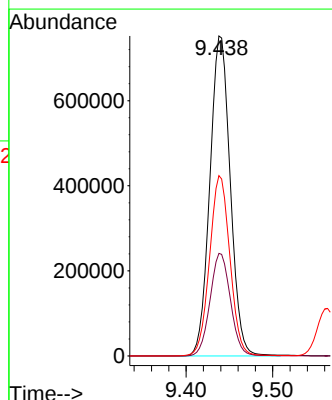
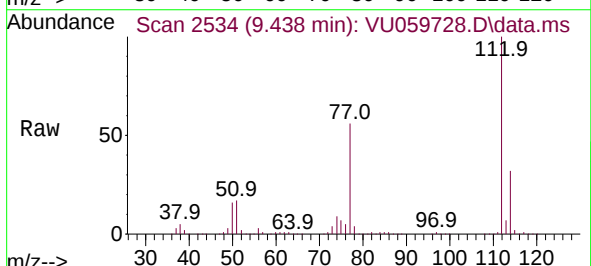
Tgt Ion:112 Resp: 1229211

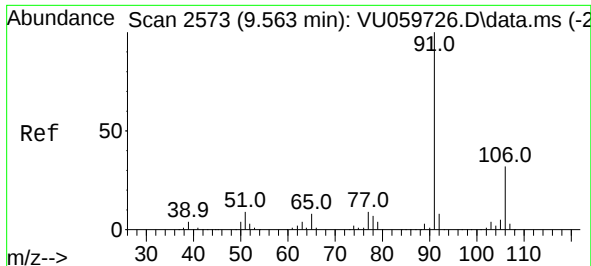
Ion Ratio Lower Upper

112 100

114 32.0 22.7 42.3

77 56.3 45.8 68.6





#52

Ethylbenzene

Concen: 180.420 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

Instrument :

MSVOA_U

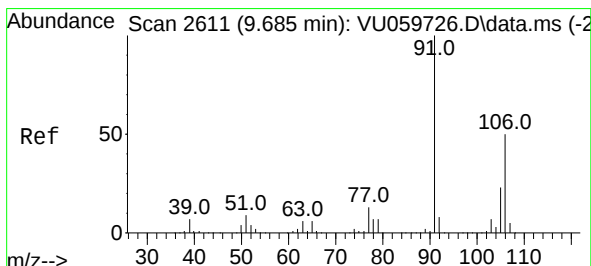
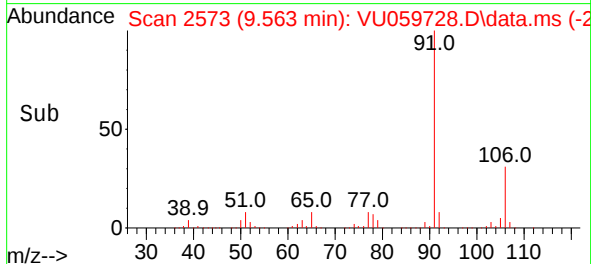
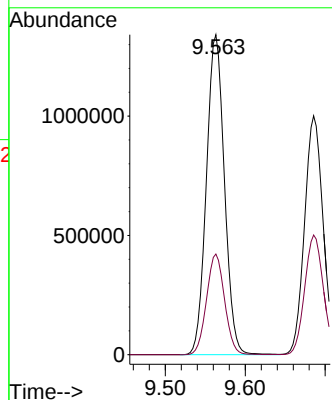
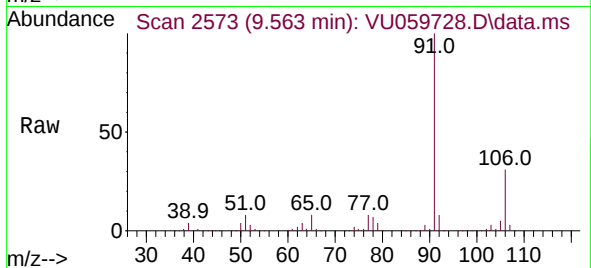
ClientSampleId :

Tgt Ion: 91 Resp: 2103691

Ion Ratio Lower Upper

91 100

106 31.5 22.4 41.6



#53

m,p-Xylene

Concen: 189.219 ug/L

RT: 9.685 min Scan# 2611

Delta R.T. 0.000 min

Lab File: VU059728.D

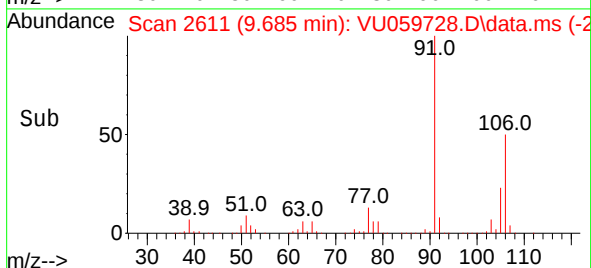
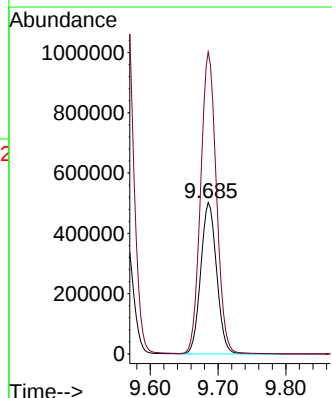
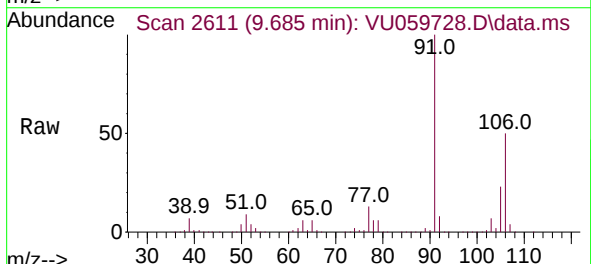
Acq: 02 Jul 2024 10:03

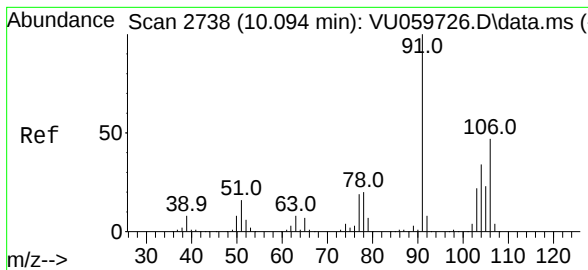
Tgt Ion:106 Resp: 817143

Ion Ratio Lower Upper

106 100

91 199.6 140.9 261.7

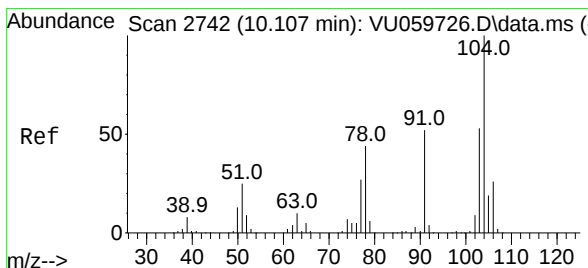
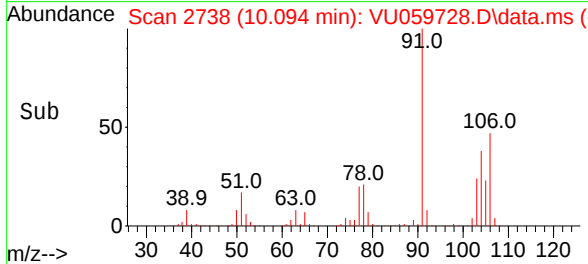
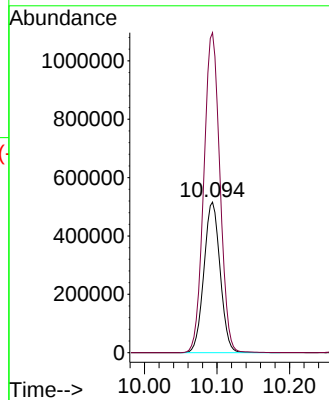
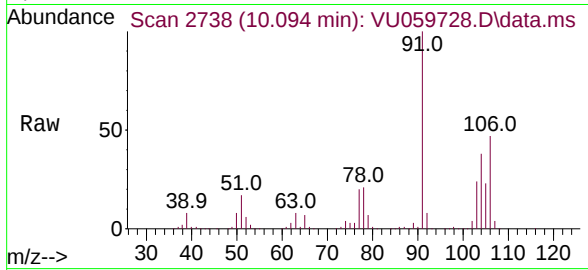




#54
o-Xylene
Concen: 191.346 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

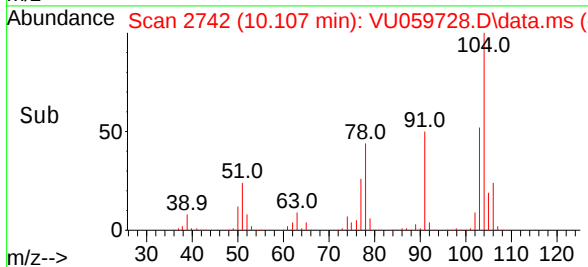
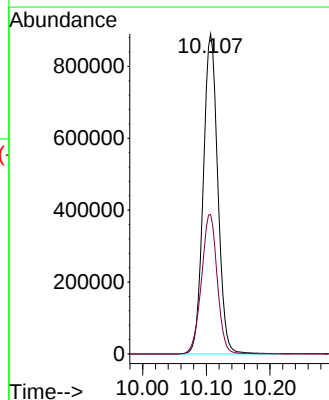
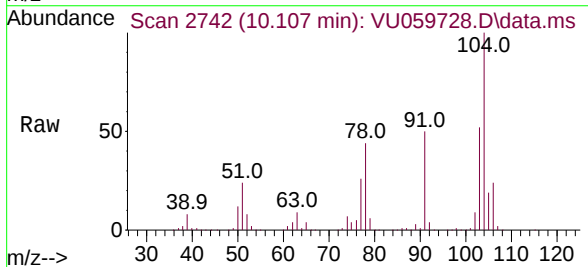
Instrument :
MSVOA_U
ClientSampleId :

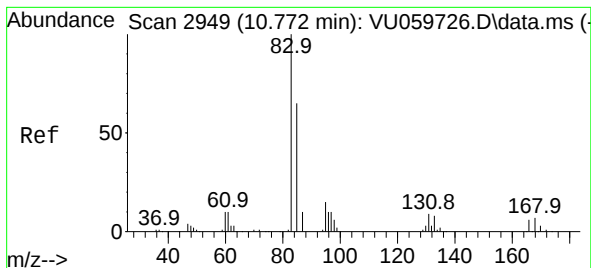
Tgt Ion:106 Resp: 802086
Ion Ratio Lower Upper
106 100
91 212.5 147.4 273.8



#55
Styrene
Concen: 197.985 ug/L
RT: 10.107 min Scan# 2742
Delta R.T. 0.000 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

Tgt Ion:104 Resp: 1408805
Ion Ratio Lower Upper
104 100
78 43.6 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 161.243 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

Instrument :

MSVOA_U

ClientSampleId :

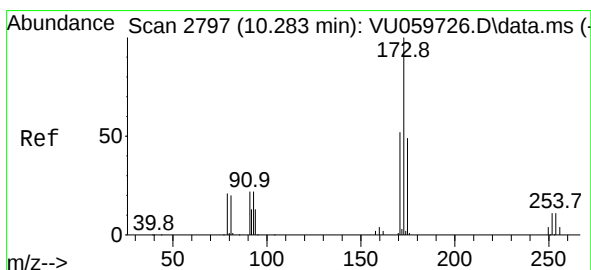
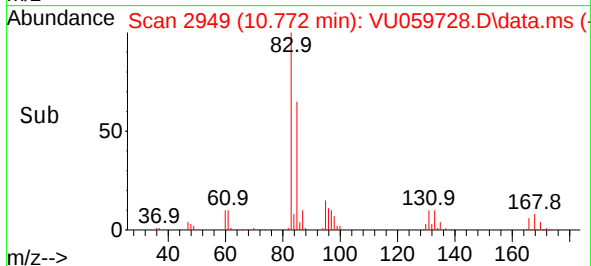
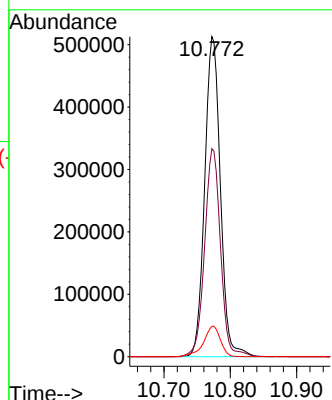
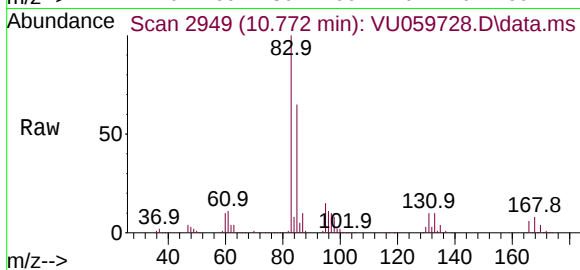
Tgt Ion: 83 Resp: 842673

Ion Ratio Lower Upper

83 100

85 65.0 45.4 84.2

131 9.5 7.5 11.3



#59

Bromoform

Concen: 182.499 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. -0.003 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

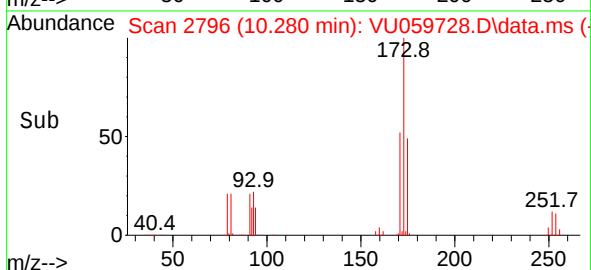
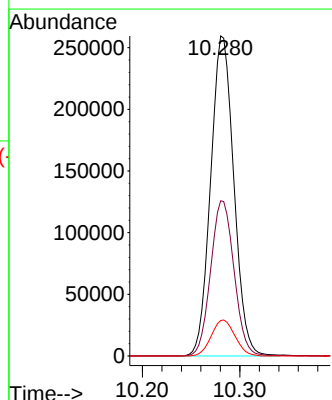
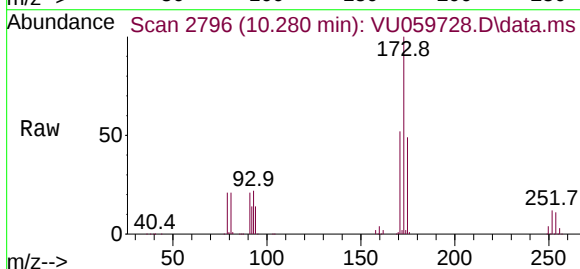
Tgt Ion:173 Resp: 428656

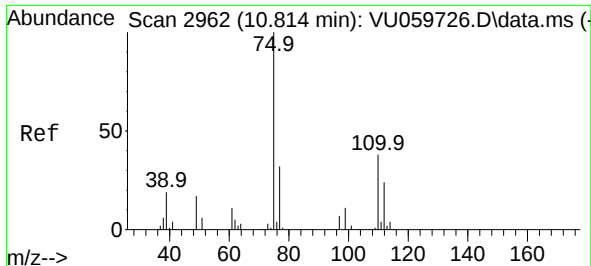
Ion Ratio Lower Upper

173 100

175 48.9 39.4 59.2

254 11.5 9.0 13.4





#60

1,2,3-Trichloropropane

Concen: 133.793 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.000 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

Instrument :

MSVOA_U

ClientSampleId :

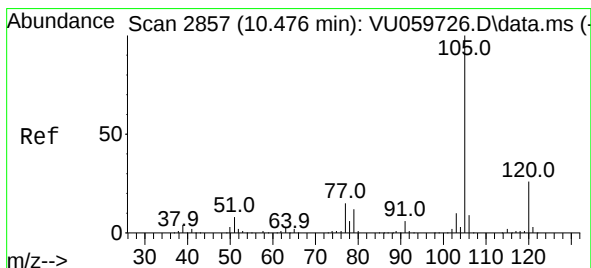
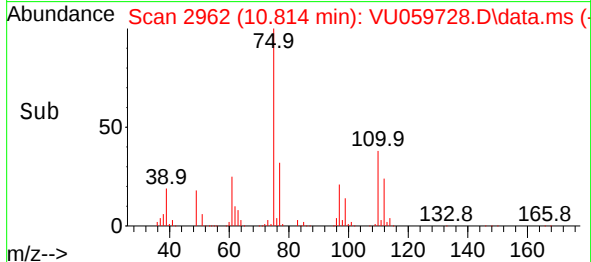
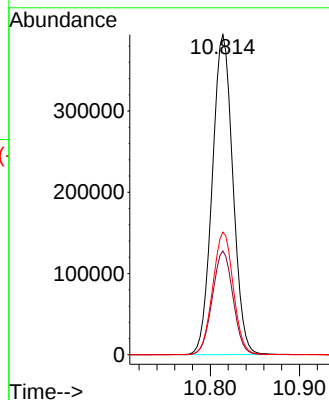
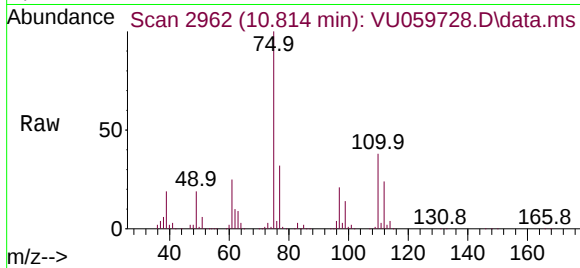
Tgt Ion: 75 Resp: 633972

Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3

110 38.2 30.7 46.1



#61

Isopropylbenzene

Concen: 173.162 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

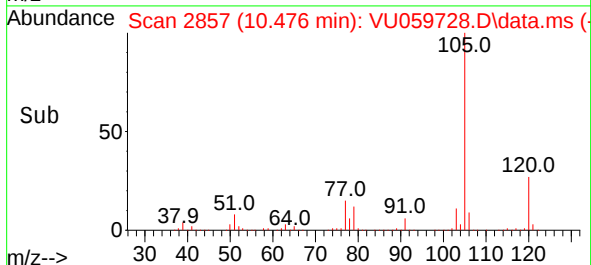
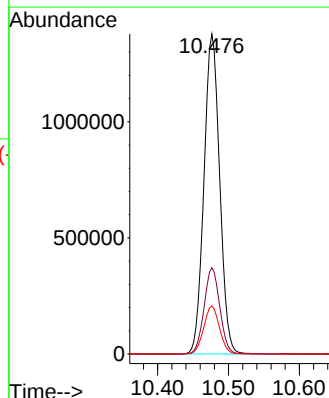
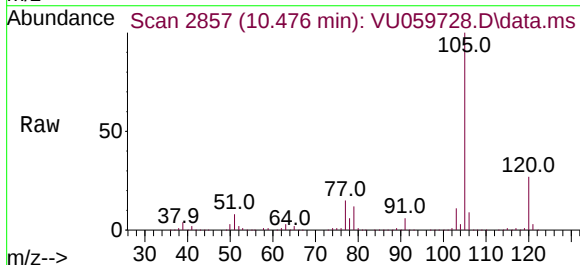
Tgt Ion:105 Resp: 2119025

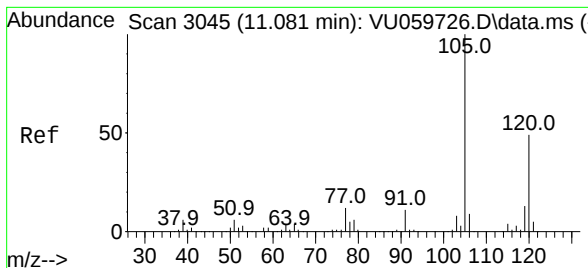
Ion Ratio Lower Upper

105 100

120 26.9 20.9 31.3

77 15.0 12.1 18.1

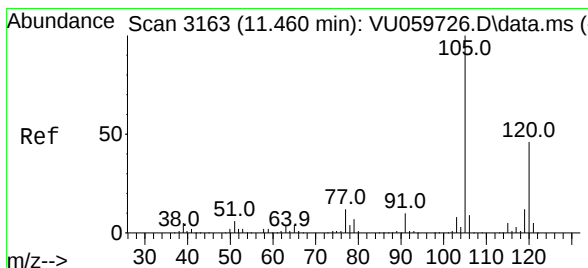
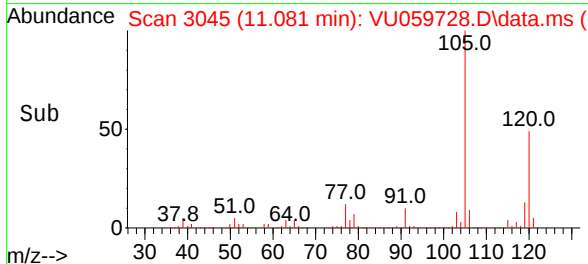
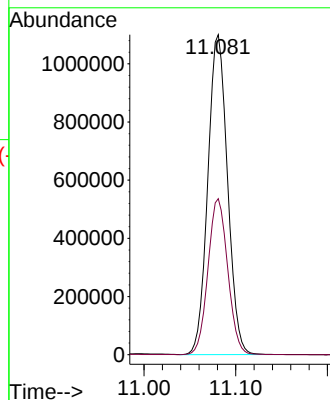
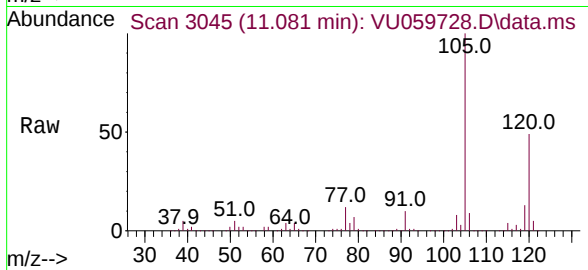




#62
1,3,5-Trimethylbenzene
Concen: 184.772 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. 0.000 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

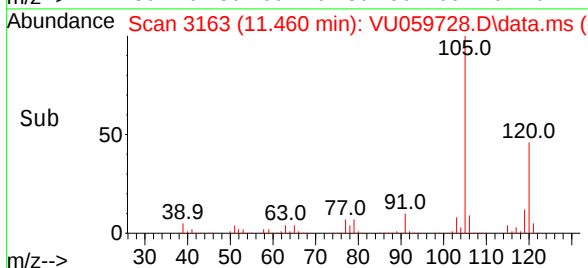
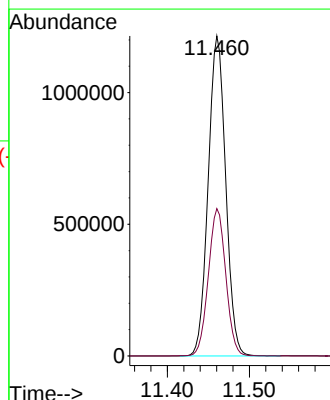
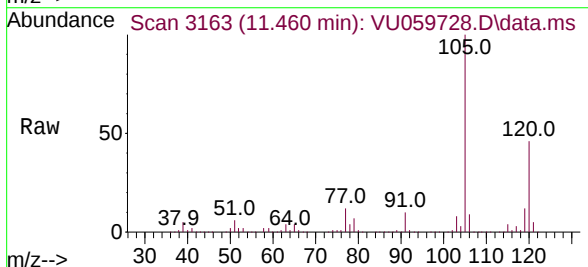
Instrument :
MSVOA_U
ClientSampleId :

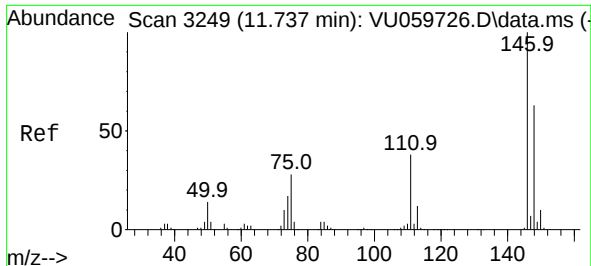
Tgt Ion:105 Resp: 1638405
Ion Ratio Lower Upper
105 100
120 49.0 39.5 59.3



#63
1,2,4-Trimethylbenzene
Concen: 188.627 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

Tgt Ion:105 Resp: 1801549
Ion Ratio Lower Upper
105 100
120 46.0 37.0 55.6





#64

1,3-Dichlorobenzene

Concen: 180.680 ug/L

RT: 11.737 min Scan# 3249

Delta R.T. 0.000 min

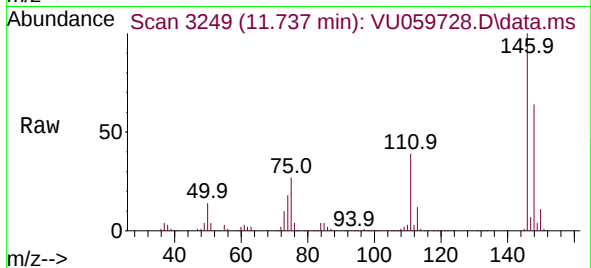
Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

Instrument :

MSVOA_U

ClientSampleId :



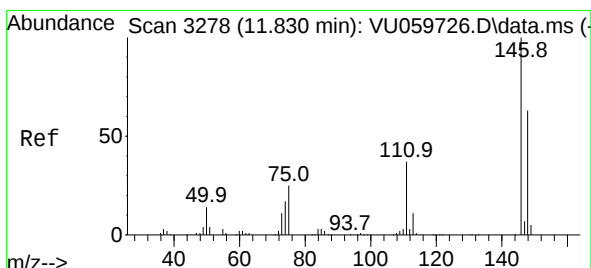
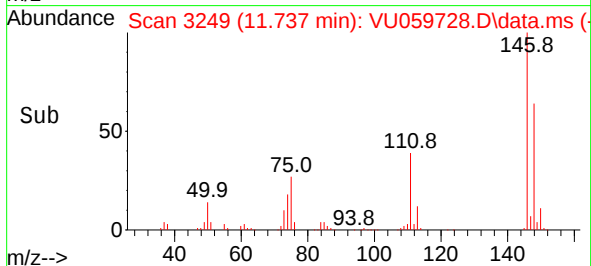
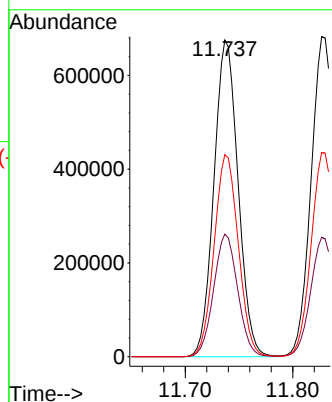
Tgt Ion:146 Resp: 1055144

Ion Ratio Lower Upper

146 100

111 38.7 26.5 49.1

148 63.8 43.8 81.3



#65

1,4-Dichlorobenzene

Concen: 178.570 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. -0.003 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

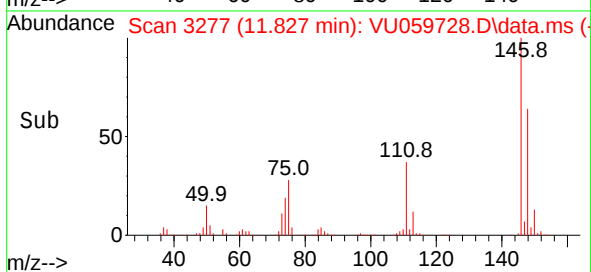
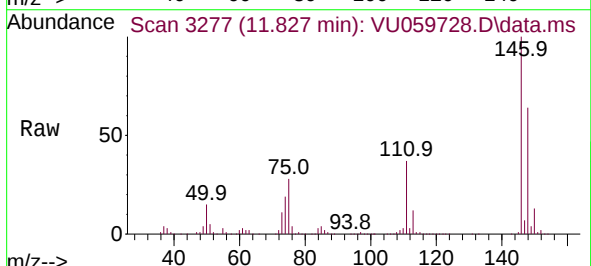
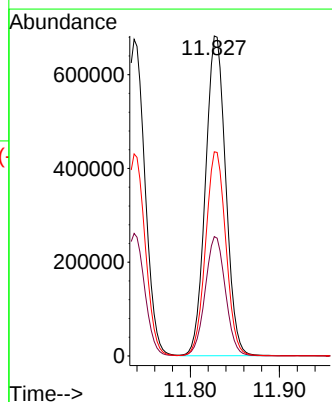
Tgt Ion:146 Resp: 1076130

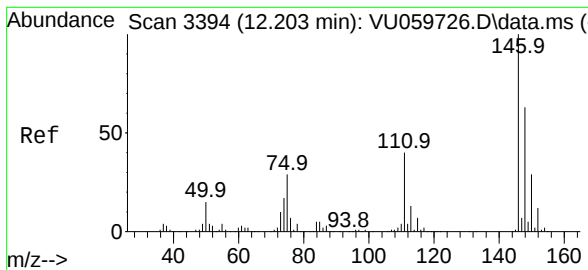
Ion Ratio Lower Upper

146 100

111 37.3 25.9 48.1

148 63.8 44.0 81.8

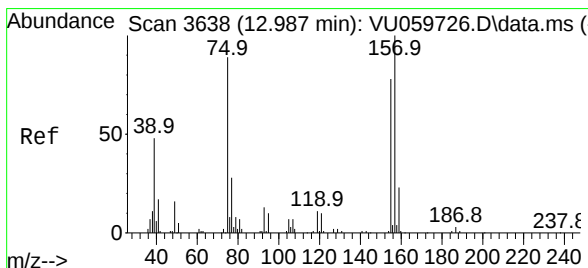
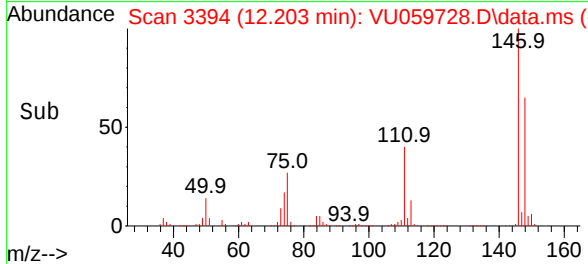
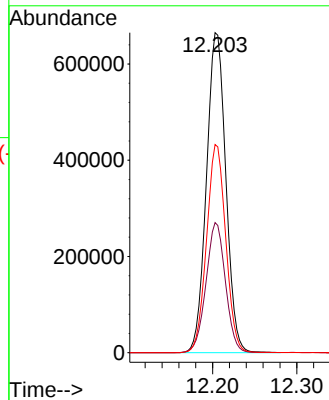
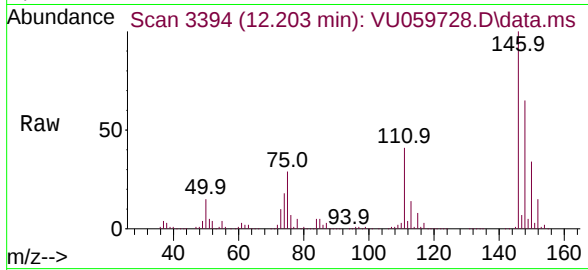




#67
1,2-Dichlorobenzene
Concen: 176.106 ug/L
RT: 12.203 min Scan# 3394
Delta R.T. 0.000 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

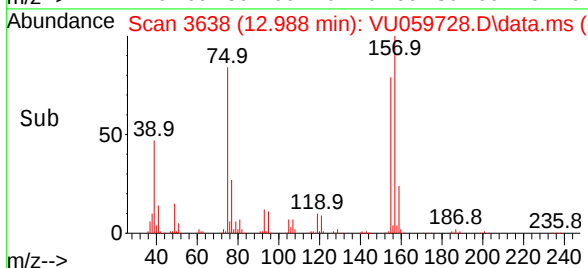
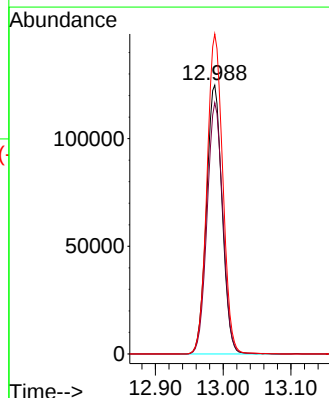
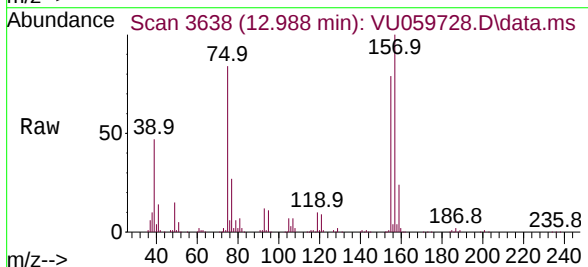
Instrument :
MSVOA_U
ClientSampleId :

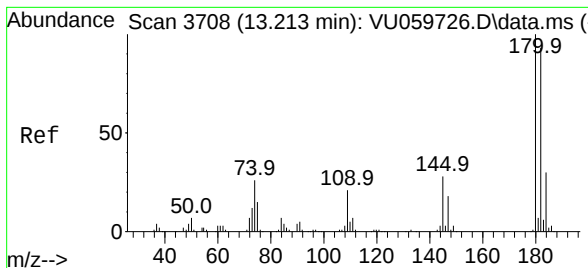
Tgt Ion:146 Resp: 1065193
Ion Ratio Lower Upper
146 100
111 40.7 31.7 47.5
148 65.1 50.8 76.2



#68
1,2-Dibromo-3-chloropropane
Concen: 166.877 ug/L
RT: 12.988 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VU059728.D
Acq: 02 Jul 2024 10:03

Tgt Ion: 75 Resp: 200676
Ion Ratio Lower Upper
75 100
155 93.4 73.5 110.3
157 119.0 93.5 140.3





#69

1,3,5-Trichlorobenzene

Concen: 206.670 ug/L

RT: 13.213 min Scan# 3708

Delta R.T. 0.000 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 805419

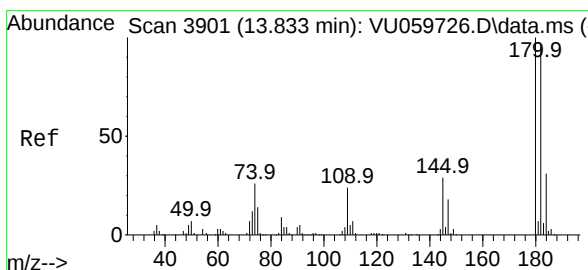
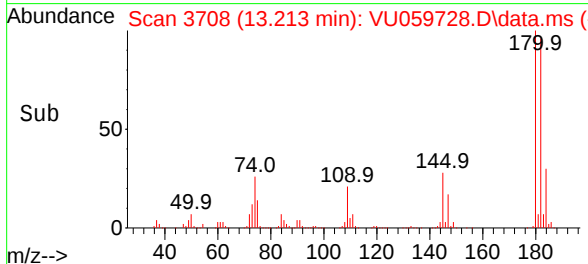
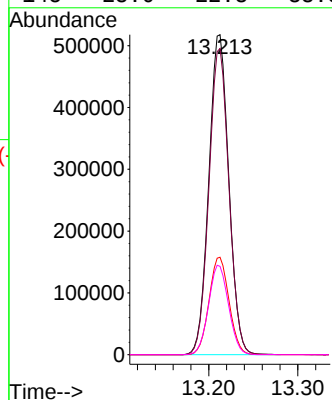
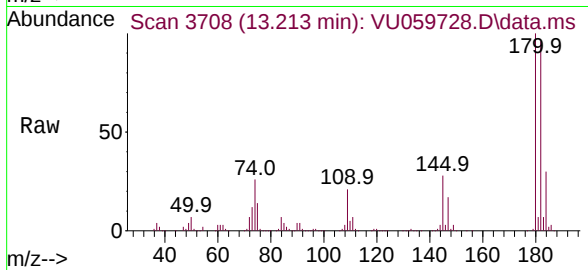
Ion Ratio Lower Upper

180 100

182 95.8 75.8 113.8

184 30.5 24.7 37.1

145 28.0 22.3 33.5



#70

1,2,4-trichlorobenzene

Concen: 238.622 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

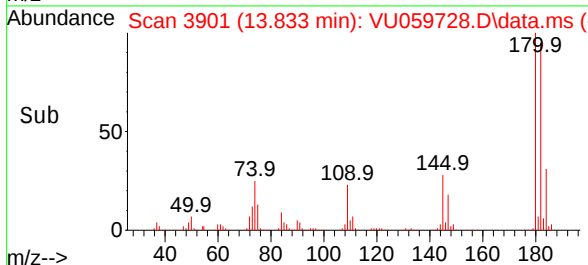
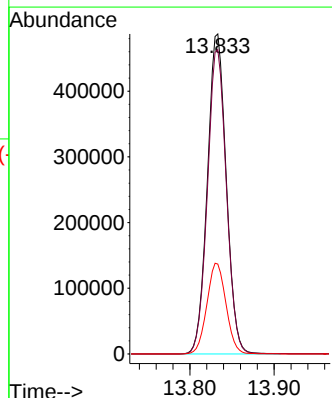
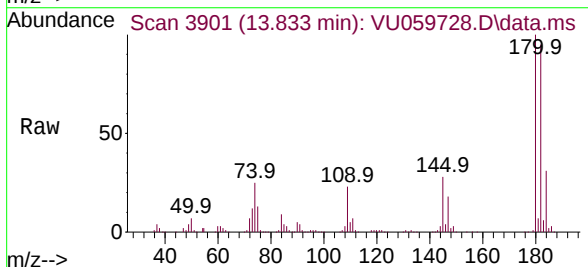
Tgt Ion:180 Resp: 760809

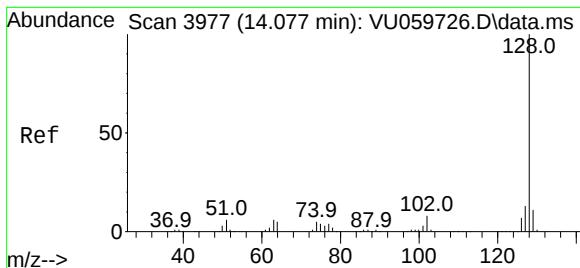
Ion Ratio Lower Upper

180 100

182 95.3 76.4 114.6

145 28.6 23.0 34.4





#71

Naphthalene

Concen: 240.727 ug/L

RT: 14.078 min Scan# 3977

Delta R.T. 0.000 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

Instrument :

MSVOA_U

ClientSampleId :

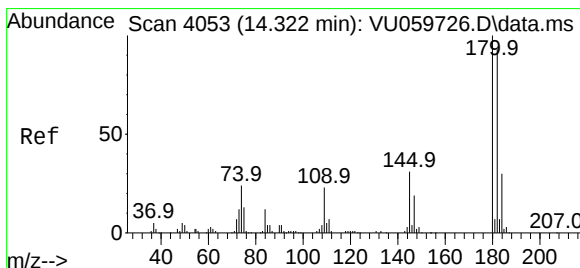
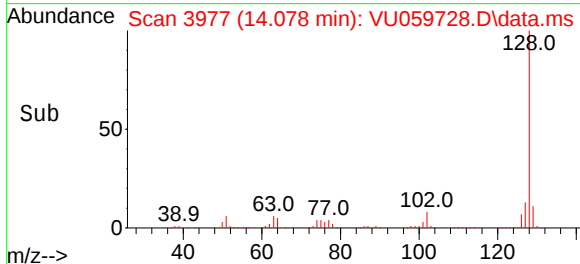
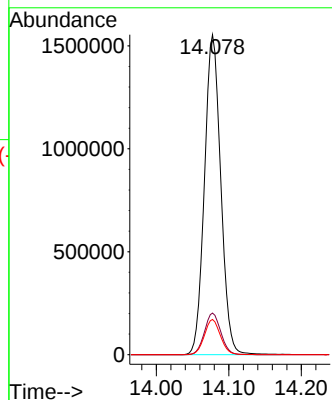
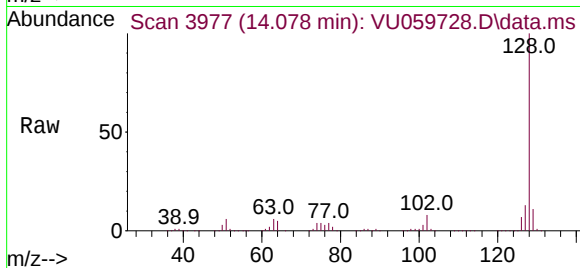
Tgt Ion:128 Resp: 2429679

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 230.405 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU059728.D

Acq: 02 Jul 2024 10:03

Tgt Ion:180 Resp: 744644

Ion Ratio Lower Upper

180 100

182 96.8 75.8 113.8

145 30.6 24.5 36.7

