

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030824\
 Data File : VU058026.D
 Acq On : 08 Mar 2024 18:43
 Operator : MD/SY
 Sample : P1636-04MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 09 00:16:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Mar 09 00:10:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	142152	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	135275	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	65304	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	43202	4.224	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.400%
7) Chloroethane-d5	1.904	69	39470	4.695	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.000%
11) 1,1-Dichloroethene-d2	2.560	65	19553	4.418	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.400%
20) 2-Butanone-d5	4.608	46	97791	58.030	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.060%
24) Chloroform-d	5.052	84	98085	5.071	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
26) 1,2-Dichloroethane-d4	5.695	65	44935	5.127	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.600%
32) Benzene-d6	5.718	84	189637	4.810	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.682	67	58542	4.885	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.600%
41) Toluene-d8	7.891	98	170204	4.765	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	8.174	79	19550	4.744	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.800%
46) 2-Hexanone-d5	8.624	63	82159	59.378	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.760%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	40419	5.500	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	54455	5.063	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	43340	5.032	ug/L	98
3) Chloromethane	1.515	50	49485	4.914	ug/L	99
5) Vinyl chloride	1.599	62	55356	5.110	ug/L	98
6) Bromomethane	1.849	94	26773	4.692	ug/L	97
8) Chloroethane	1.927	64	35369	5.185	ug/L	99
9) Trichlorofluoromethane	2.132	101	78830	5.108	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	50078	5.190	ug/L	99
12) 1,1-Dichloroethene	2.573	96	43762	5.102	ug/L	88
13) Acetone	2.612	43	62773	50.054	ug/L	98
14) Carbon disulfide	2.785	76	127282	4.799	ug/L	100
15) Methyl Acetate	2.939	43	16202	5.822	ug/L	92
16) Methylene chloride	3.033	84	50314	4.826	ug/L	99
17) Methyl tert-butyl Ether	3.351	73	107169	5.284	ug/L	100
18) trans-1,2-Dichloroethene	3.345	96	47788	5.115	ug/L	95
19) 1,1-Dichloroethane	3.856	63	100379	5.386	ug/L	98
21) 2-Butanone	4.689	43	97187	49.182	ug/L	95
22) cis-1,2-Dichloroethene	4.656	96	54149	5.269	ug/L	97
23) Bromochloromethane	4.965	128	20966	5.494	ug/L	94
25) Chloroform	5.078	83	100336	5.274	ug/L	99

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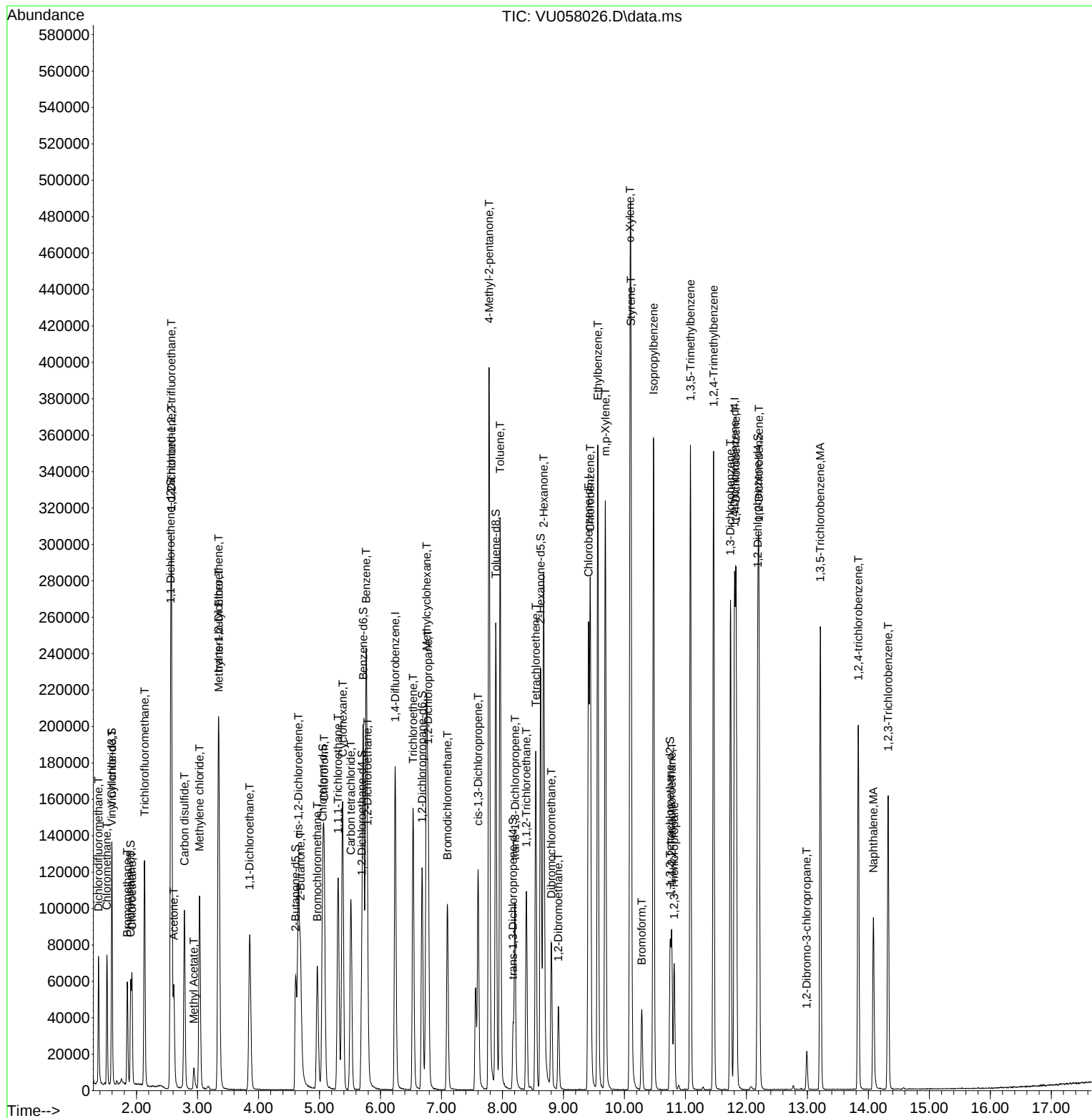
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	54640	5.187	ug/L	98
29) 1,1,1-Trichloroethane	5.306	97	84466	5.246	ug/L	99
30) Cyclohexane	5.380	56	78945	4.856	ug/L	99
31) Carbon tetrachloride	5.515	117	71529	5.113	ug/L	98
33) Benzene	5.766	78	213684	5.148	ug/L	100
34) Trichloroethene	6.534	95	54306	4.972	ug/L	97
35) Methylcyclohexane	6.756	83	81004	4.838	ug/L	99
37) 1,2-Dichloropropane	6.782	63	55856	5.218	ug/L	99
38) Bromodichloromethane	7.097	83	68496	5.274	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	75417	5.114	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	265217	53.861	ug/L	99
42) Toluene	7.962	91	223969	5.181	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	60247	5.126	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	33196	5.230	ug/L	98
47) Tetrachloroethene	8.547	164	38477	5.078	ug/L	96
48) 2-Hexanone	8.676	43	184228	51.017	ug/L	98
49) Dibromochloromethane	8.801	129	39724	5.288	ug/L	100
50) 1,2-Dibromoethane	8.917	107	30904	5.487	ug/L	95
51) Chlorobenzene	9.441	112	140050	5.166	ug/L	98
52) Ethylbenzene	9.563	91	248921	5.146	ug/L	100
53) m,p-Xylene	9.688	106	88425	5.116	ug/L	97
54) o-Xylene	10.094	106	89256	5.181	ug/L	96
55) Styrene	10.110	104	142873	5.284	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	42086	5.629	ug/L	98
59) Bromoform	10.283	173	19190	5.269	ug/L	100
60) Isopropylbenzene	10.479	105	229338	5.273	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	29062	5.433	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	190361	5.189	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	189839	5.244	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	103506	5.236	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	101611	5.251	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	92219	5.343	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	6029	5.681	ug/L	89
69) 1,3,5-Trichlorobenzene	13.212	180	73792	5.189	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	57353	5.368	ug/L	98
71) Naphthalene	14.084	128	78259	5.363	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	46198	5.474	ug/L	99

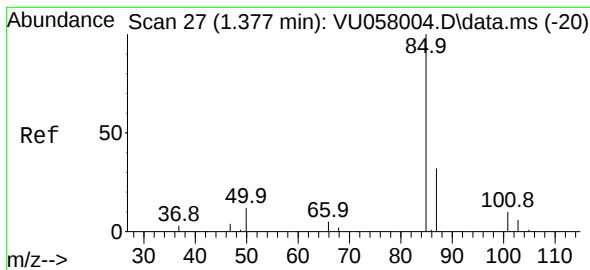
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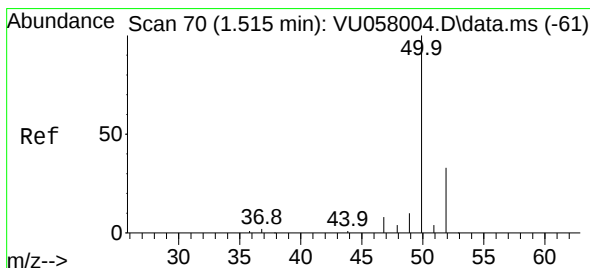
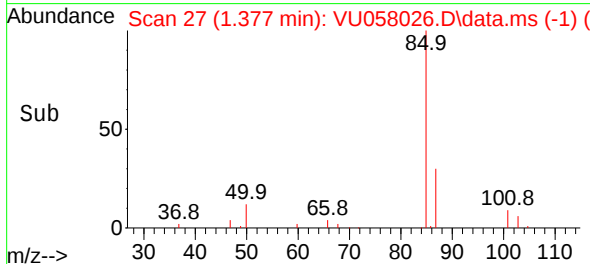
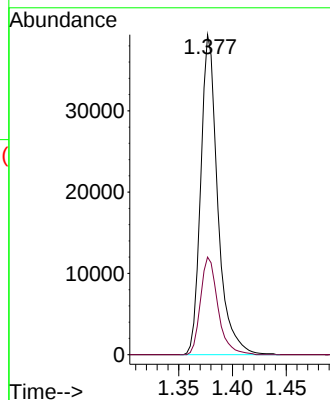
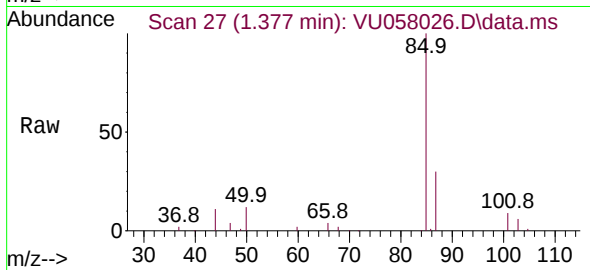




#2
 Dichlorodifluoromethane
 Concen: 5.032 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU058026.D
 Acq: 08 Mar 2024 18:43

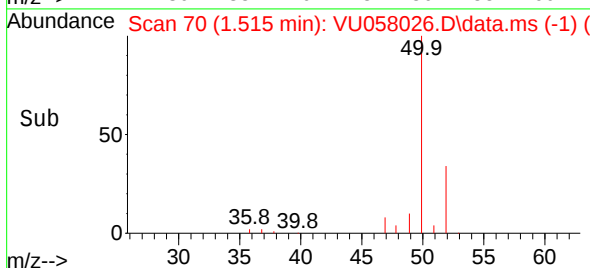
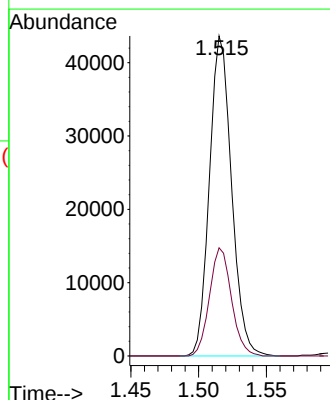
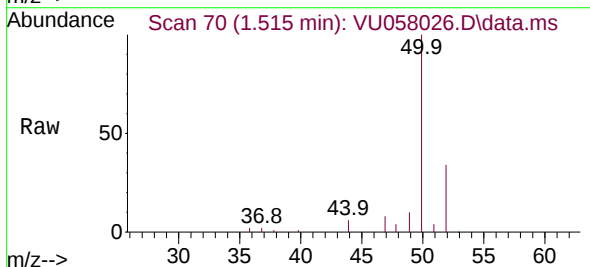
Instrument :
 MSVOA_U
 ClientSampleId :

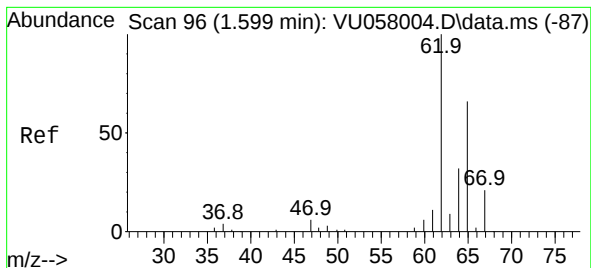
Tgt Ion: 85 Resp: 43340
 Ion Ratio Lower Upper
 85 100
 87 31.2 25.8 38.6



#3
 Chloromethane
 Concen: 4.914 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU058026.D
 Acq: 08 Mar 2024 18:43

Tgt Ion: 50 Resp: 49485
 Ion Ratio Lower Upper
 50 100
 52 33.8 23.1 42.9





#5

Vinyl chloride

Concen: 5.110 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU058026.D

Acq: 08 Mar 2024 18:43

Instrument :

MSVOA_U

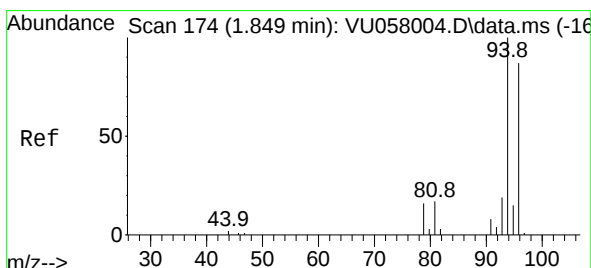
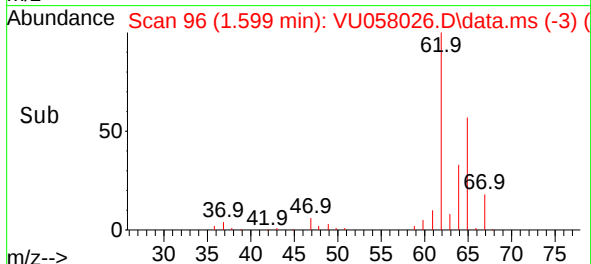
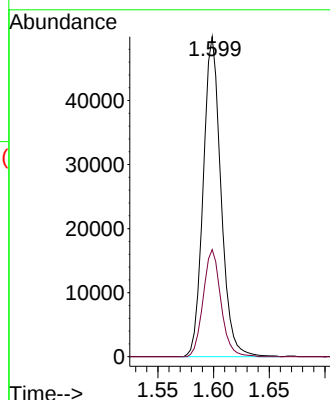
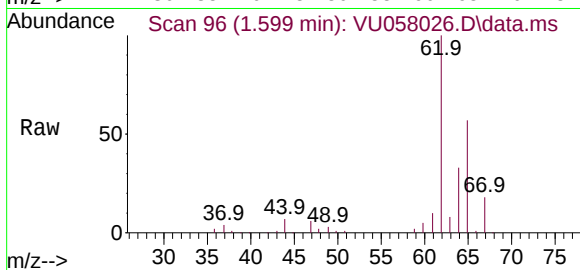
ClientSampleId :

Tgt Ion: 62 Resp: 55356

Ion Ratio Lower Upper

62 100

64 33.4 22.5 41.7



#6

Bromomethane

Concen: 4.692 ug/L

RT: 1.849 min Scan# 174

Delta R.T. 0.000 min

Lab File: VU058026.D

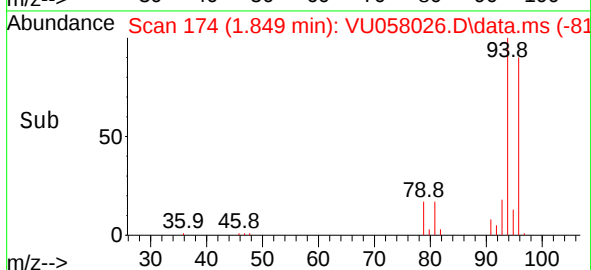
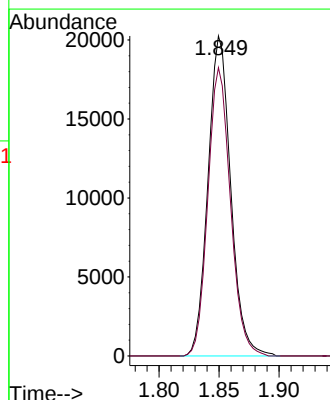
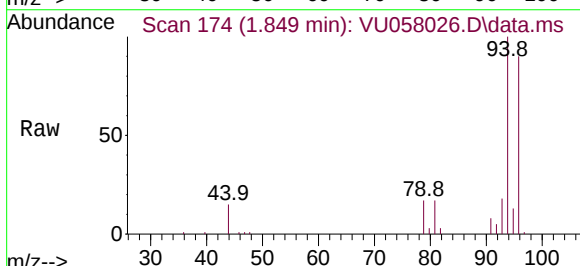
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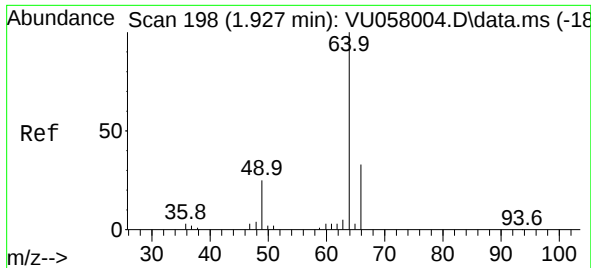
Tgt Ion: 94 Resp: 26773

Ion Ratio Lower Upper

94 100

96 90.1 65.2 121.2

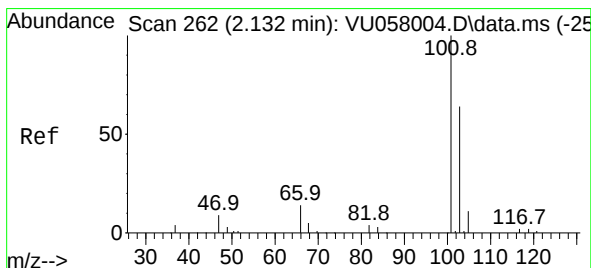
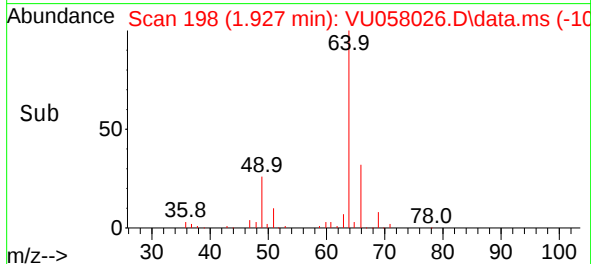
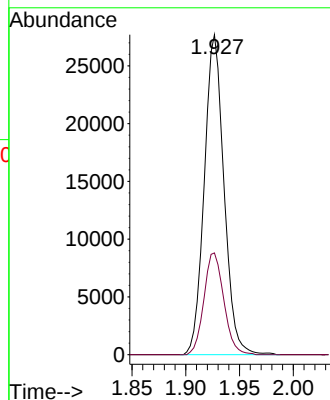
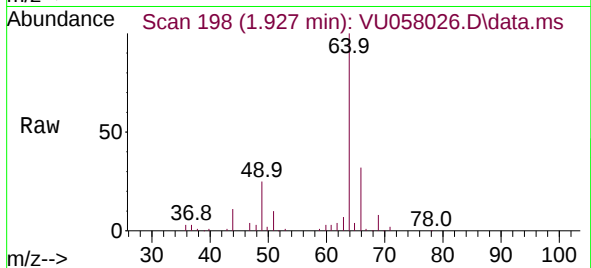




#8
Chloroethane
Concen: 5.185 ug/L
RT: 1.927 min Scan# 198
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

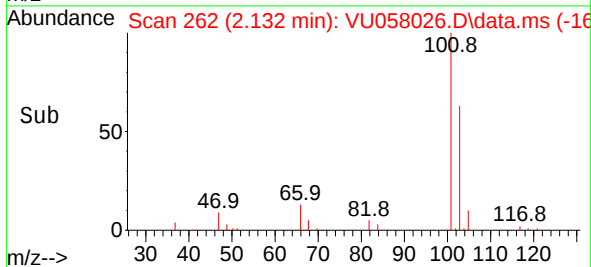
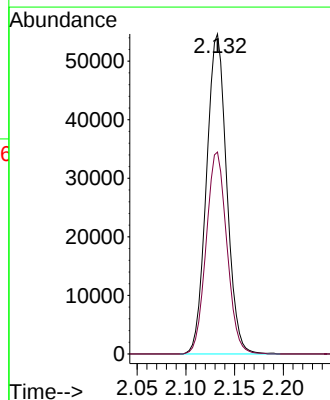
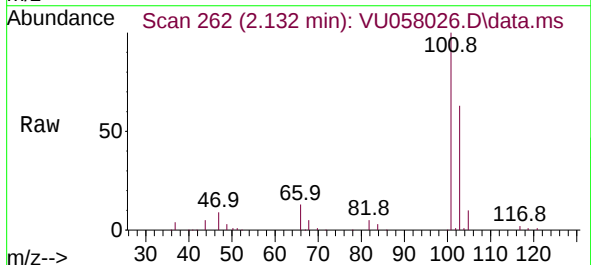
Instrument :
MSVOA_U
ClientSampleId :

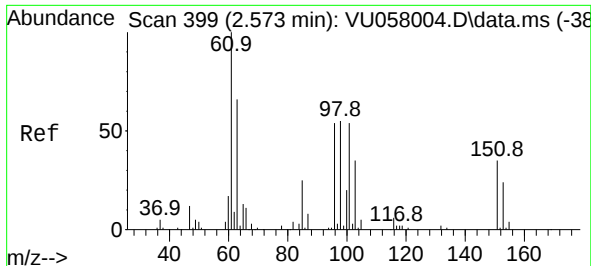
Tgt Ion: 64 Resp: 35369
Ion Ratio Lower Upper
64 100
66 30.5 20.9 38.9



#9
Trichlorofluoromethane
Concen: 5.108 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

Tgt Ion:101 Resp: 78830
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.2

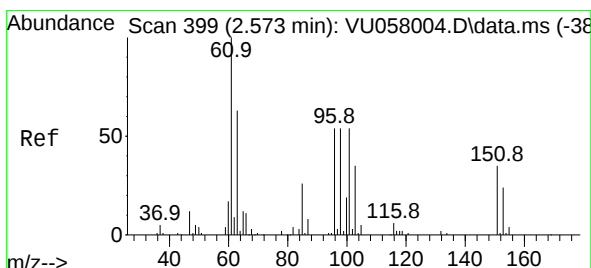
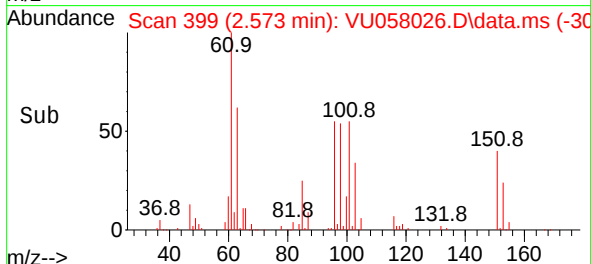
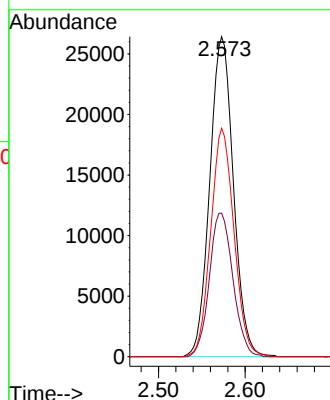
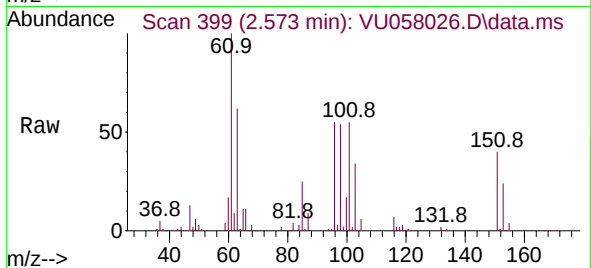




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.190 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU058026.D
 Acq: 08 Mar 2024 18:43

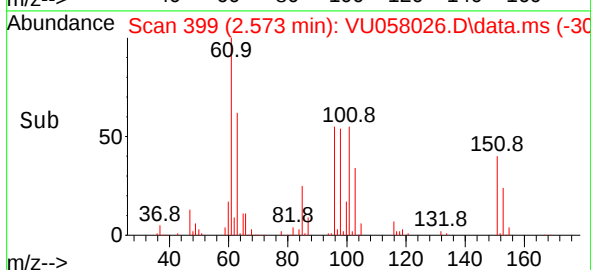
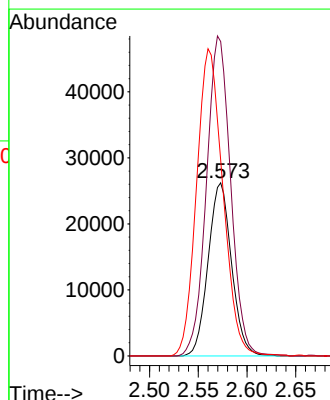
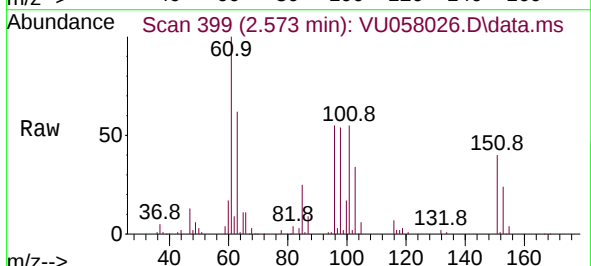
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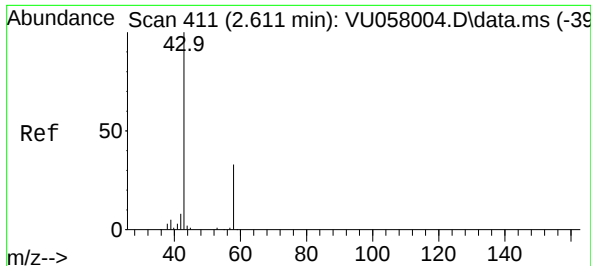
Tgt Ion:	101	Resp:	50078
Ion Ratio	Lower	Upper	
101	100		
85	44.8	37.3	55.9
151	70.3	56.0	84.0



#12
 1,1-Dichloroethene
 Concen: 5.102 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU058026.D
 Acq: 08 Mar 2024 18:43

Tgt Ion:	96	Resp:	43762
Ion Ratio	Lower	Upper	
96	100		
61	181.7	131.8	244.8
63	113.2	98.1	182.1





#13

Acetone

Concen: 50.054 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU058026.D

Acq: 08 Mar 2024 18:43

Instrument :

MSVOA_U

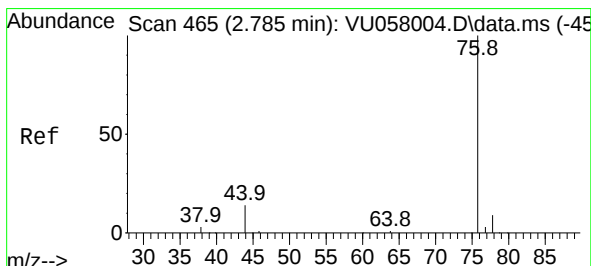
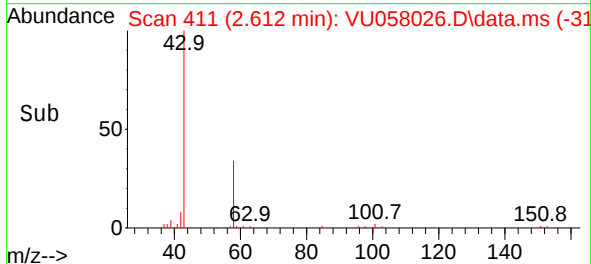
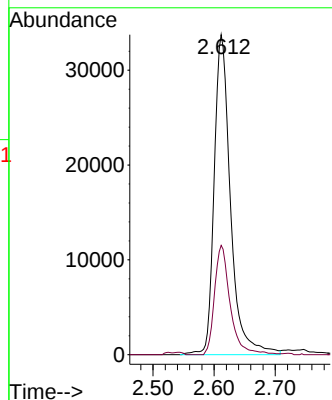
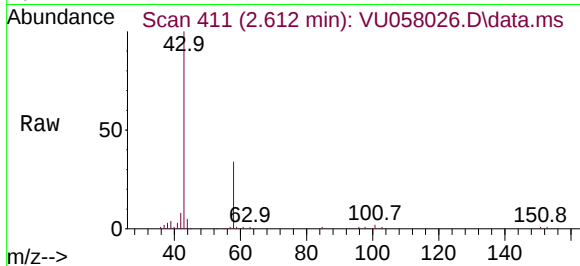
ClientSampleId :

Tgt Ion: 43 Resp: 62773

Ion Ratio Lower Upper

43 100

58 32.7 0.0 63.6



#14

Carbon disulfide

Concen: 4.799 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU058026.D

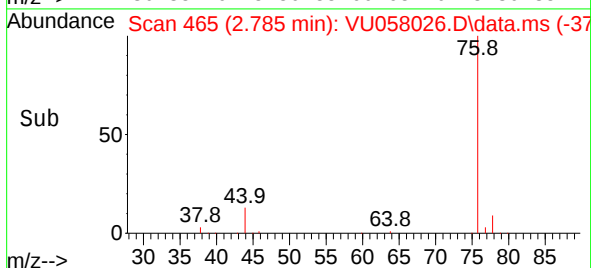
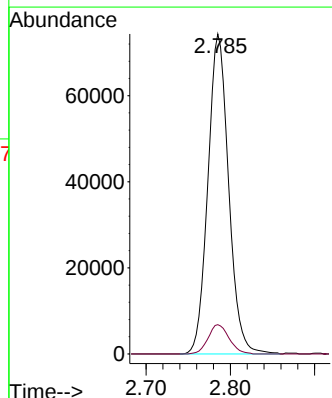
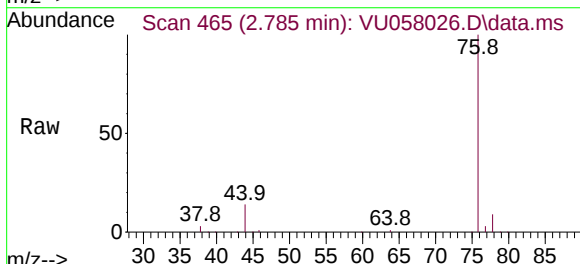
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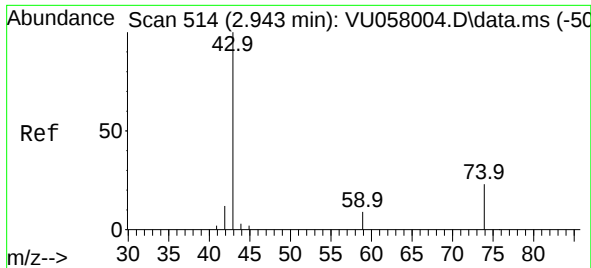
Tgt Ion: 76 Resp: 127282

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

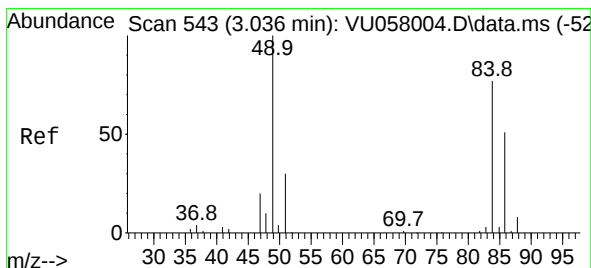
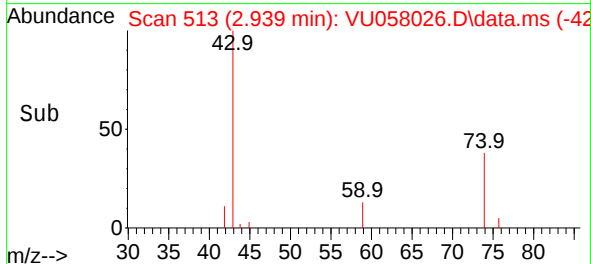
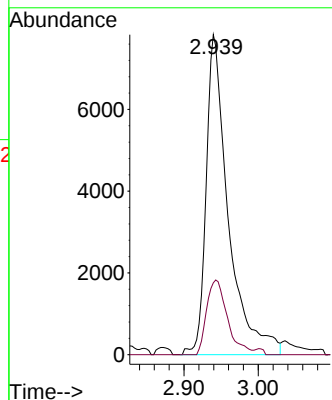
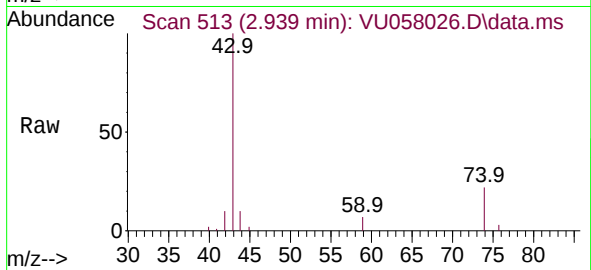




#15
Methyl Acetate
Concen: 5.822 ug/L
RT: 2.939 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

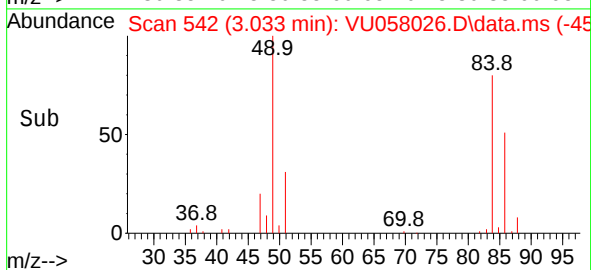
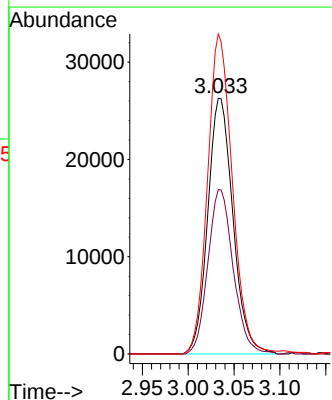
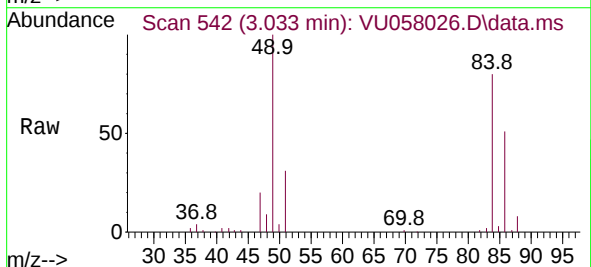
Instrument :
MSVOA_U
ClientSampleId :

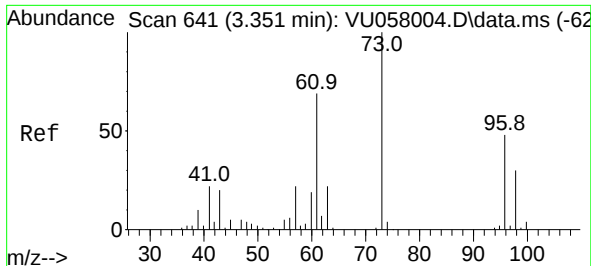
Tgt Ion: 43 Resp: 16202
Ion Ratio Lower Upper
43 100
74 22.0 20.6 31.0



#16
Methylene chloride
Concen: 4.826 ug/L
RT: 3.033 min Scan# 542
Delta R.T. -0.003 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

Tgt Ion: 84 Resp: 50314
Ion Ratio Lower Upper
84 100
86 64.3 44.4 82.4
49 125.2 88.8 165.0

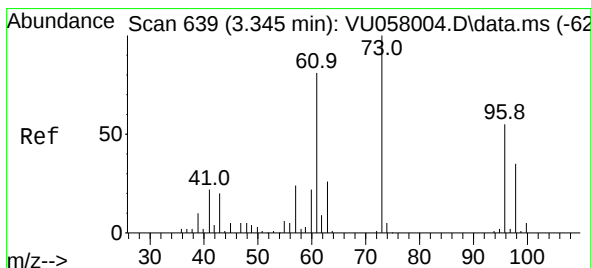
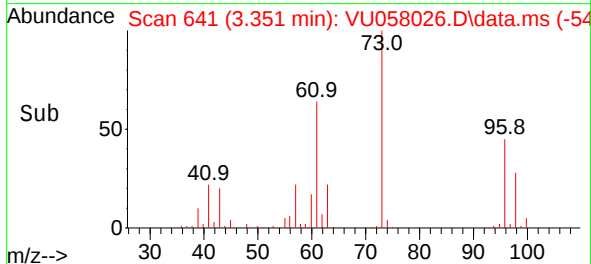
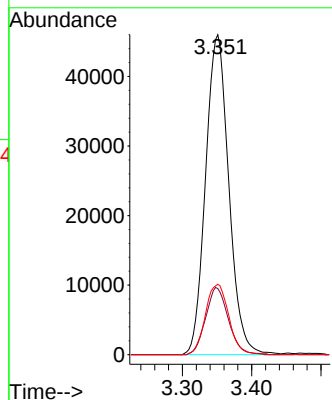
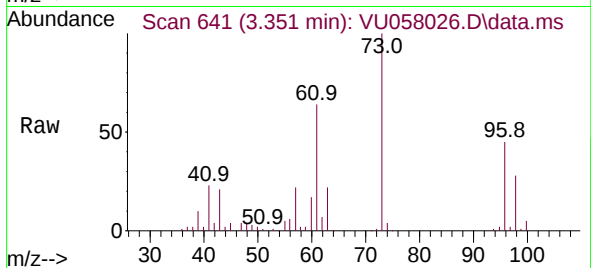




#17
Methyl tert-butyl Ether
Concen: 5.284 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

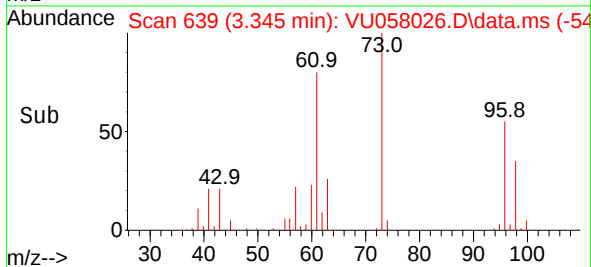
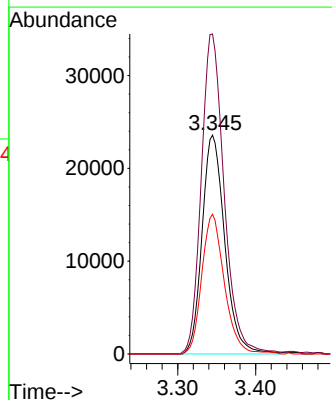
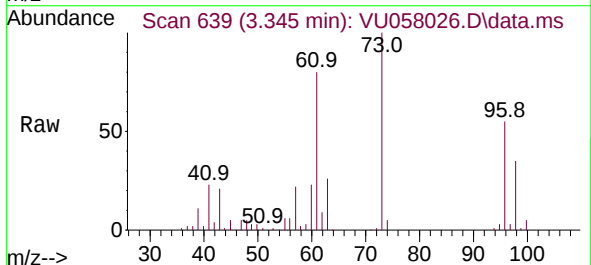
Instrument :
MSVOA_U
ClientSampleId :

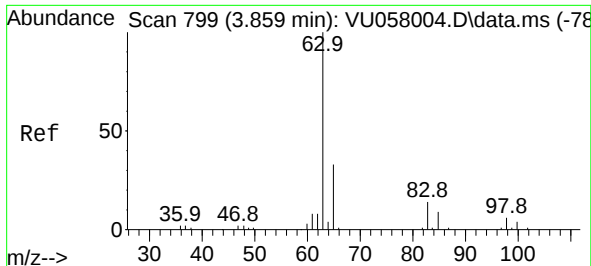
Tgt Ion: 73 Resp: 107169
Ion Ratio Lower Upper
73 100
43 20.4 16.2 24.4
57 22.1 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.115 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

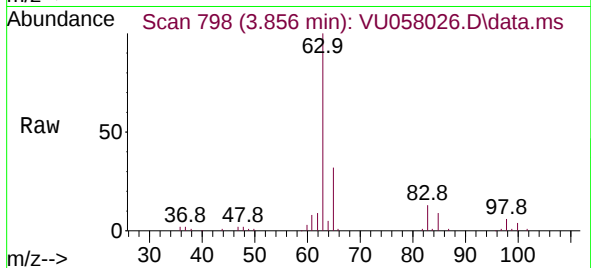
Tgt Ion: 96 Resp: 47788
Ion Ratio Lower Upper
96 100
61 146.2 107.7 199.9
98 63.9 45.8 85.0



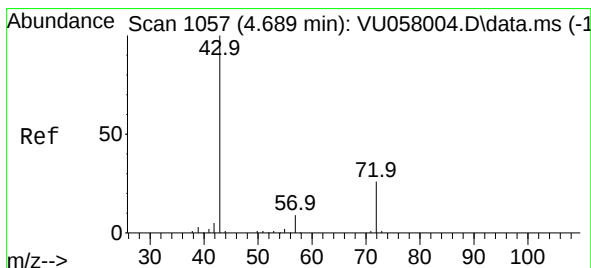
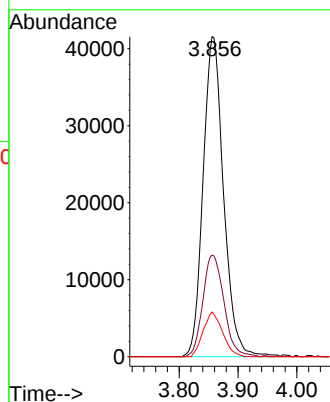
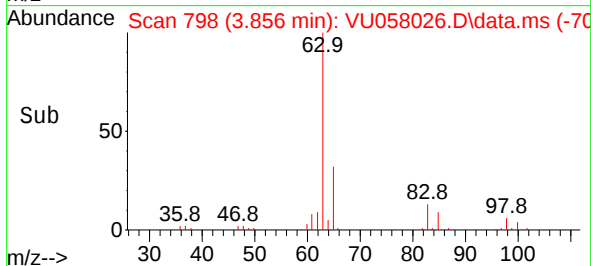


#19
1,1-Dichloroethane
Concen: 5.386 ug/L
RT: 3.856 min Scan# 799
Delta R.T. -0.003 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

Instrument :
MSVOA_U
ClientSampleId :

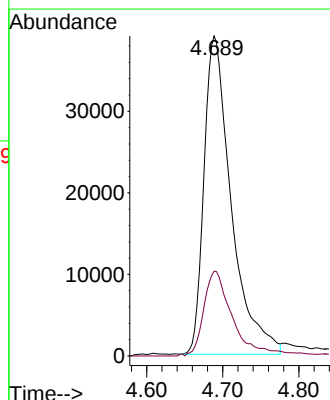
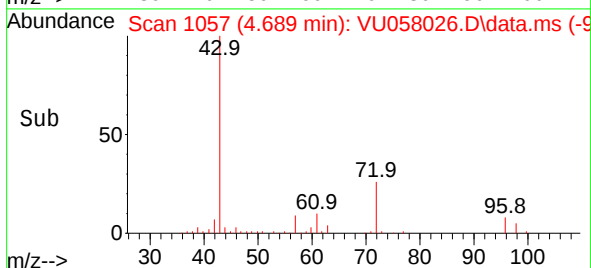
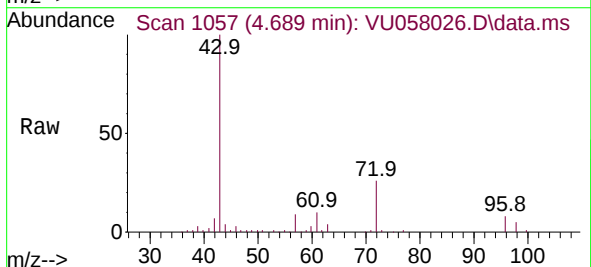


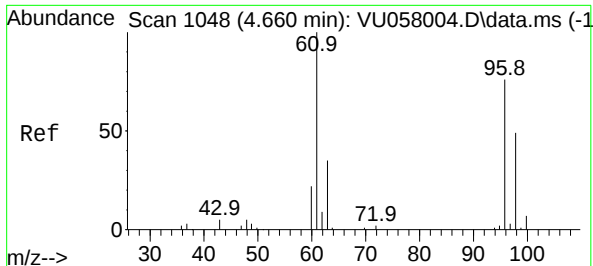
Tgt Ion: 63 Resp: 100379
Ion Ratio Lower Upper
63 100
65 32.5 22.1 41.1
83 14.0 9.0 16.6



#21
2-Butanone
Concen: 49.182 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

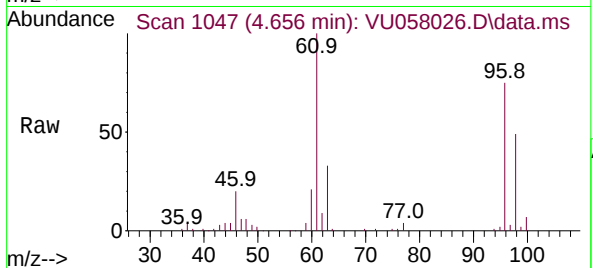
Tgt Ion: 43 Resp: 97187
Ion Ratio Lower Upper
43 100
72 28.5 13.0 39.0



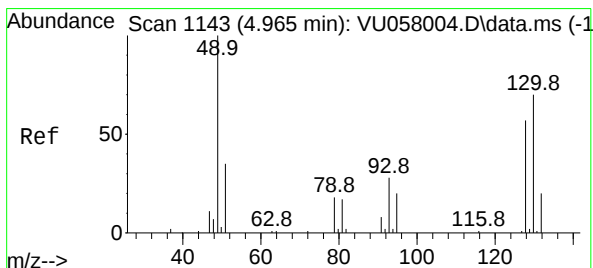
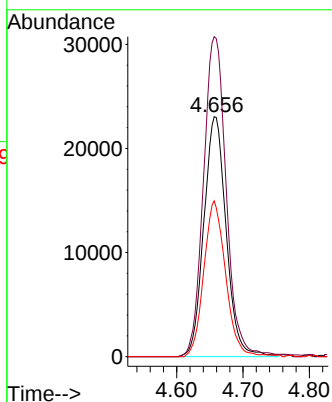
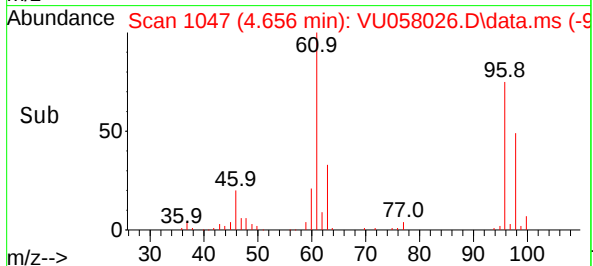


#22
cis-1,2-Dichloroethene
Concen: 5.269 ug/L
RT: 4.656 min Scan# 1048
Delta R.T. -0.003 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

Instrument :
MSVOA_U
ClientSampleId :

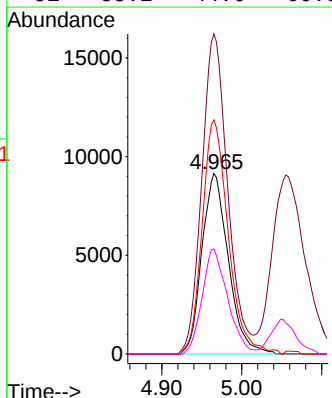
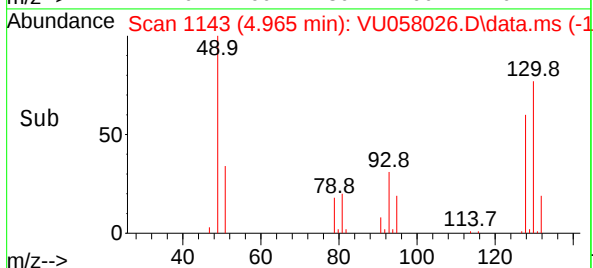
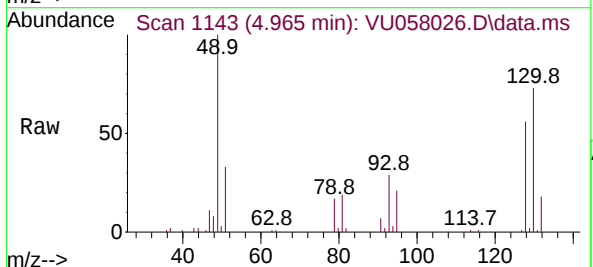


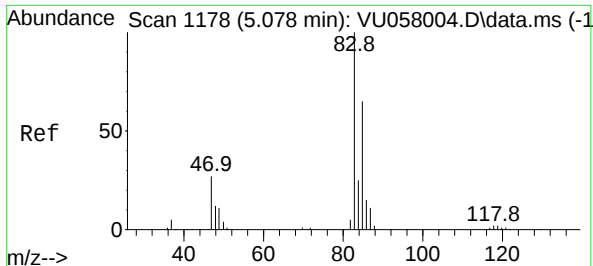
Tgt Ion: 96 Resp: 54149
Ion Ratio Lower Upper
96 100
61 133.3 97.2 180.4
98 64.9 45.5 84.5



#23
Bromochloromethane
Concen: 5.494 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

Tgt Ion:128 Resp: 20966
Ion Ratio Lower Upper
128 100
49 183.0 122.0 226.6
130 129.7 86.6 160.8
51 58.2 44.6 66.8





#25

Chloroform

Concen: 5.274 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU058026.D

Acq: 08 Mar 2024 18:43

Instrument :

MSVOA_U

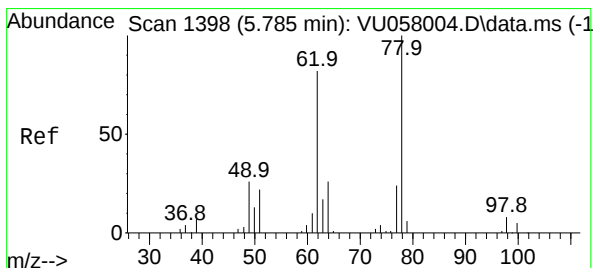
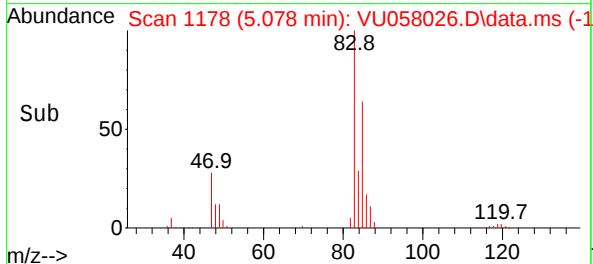
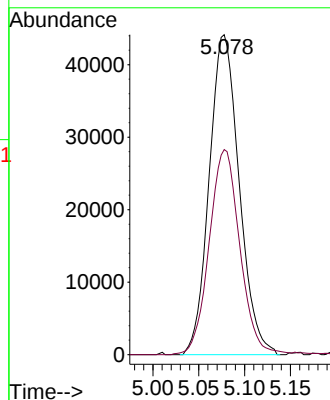
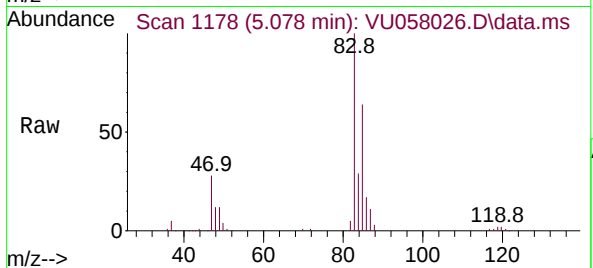
ClientSampleId :

Tgt Ion: 83 Resp: 100336

Ion Ratio Lower Upper

83 100

85 64.1 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.187 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.003 min

Lab File: VU058026.D

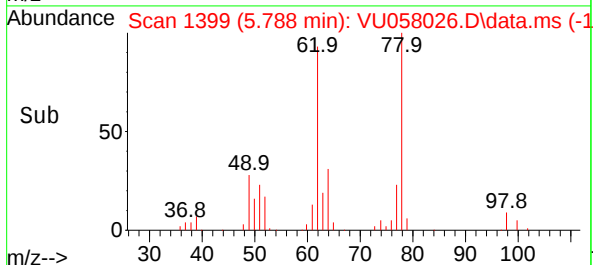
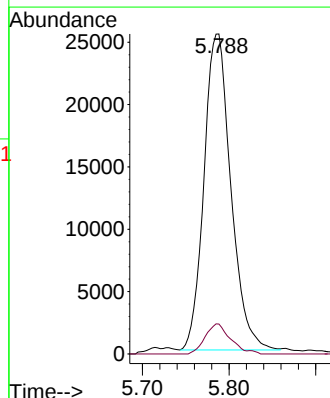
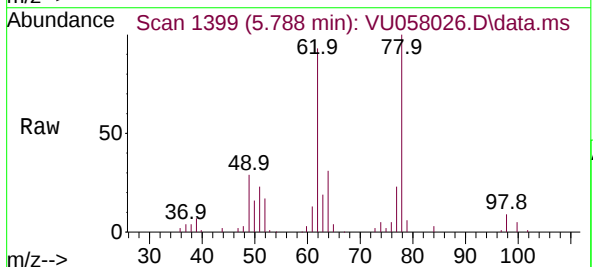
Acq: 08 Mar 2024 18:43

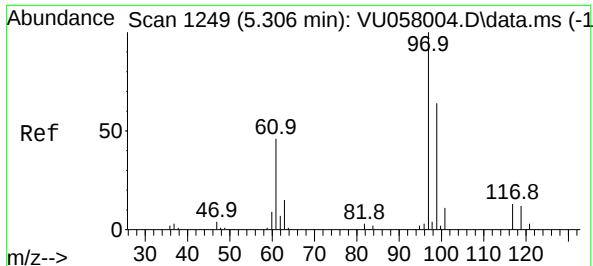
Tgt Ion: 62 Resp: 54640

Ion Ratio Lower Upper

62 100

98 9.4 7.0 10.4

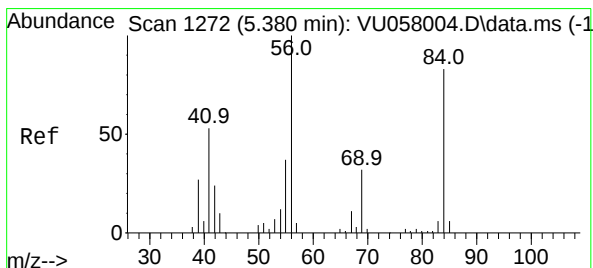
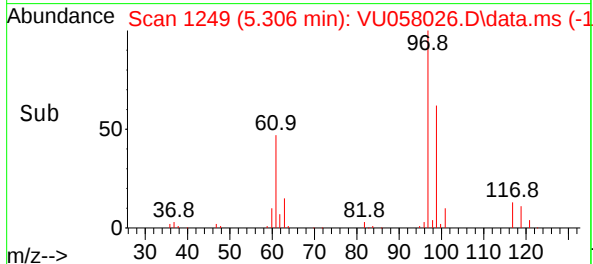
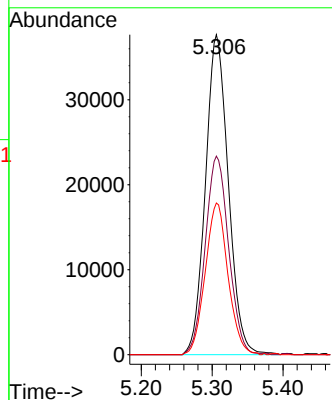
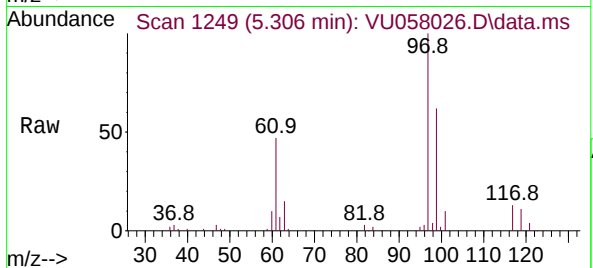




#29
1,1,1-Trichloroethane
Concen: 5.246 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

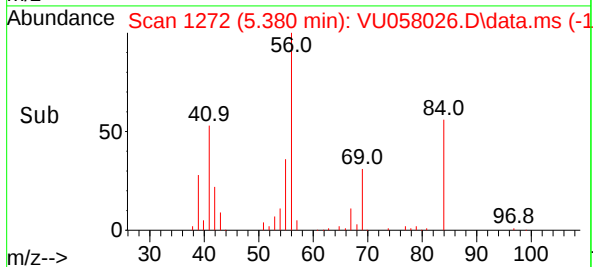
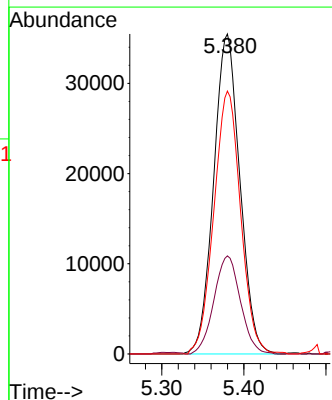
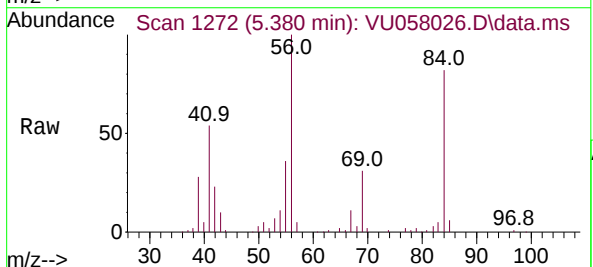
Instrument :
MSVOA_U
ClientSampleId :

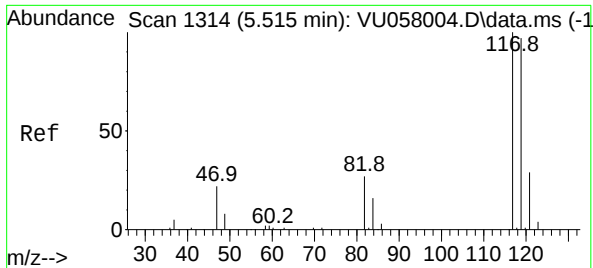
Tgt Ion: 97	Resp: 84466
Ion Ratio	Lower Upper
97 100	
99 63.5	51.2 76.8
61 47.2	37.4 56.2



#30
Cyclohexane
Concen: 4.856 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

Tgt Ion: 56	Resp: 78945
Ion Ratio	Lower Upper
56 100	
69 30.9	24.2 36.2
84 83.8	66.6 99.8

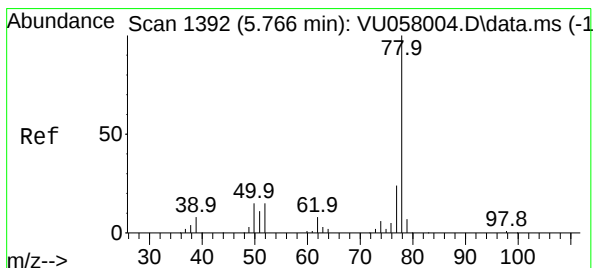
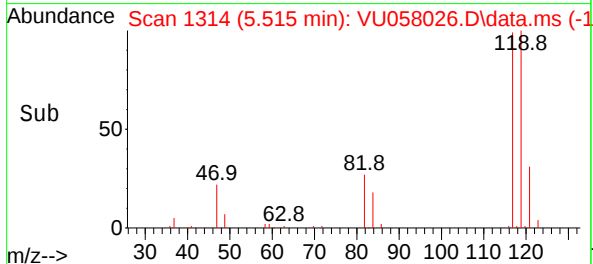
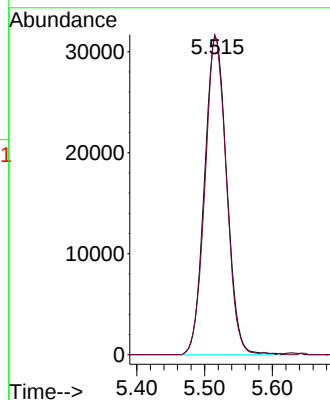
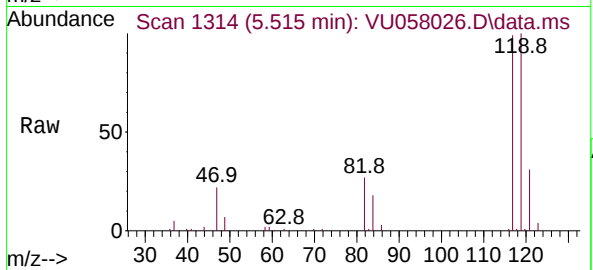




#31
Carbon tetrachloride
Concen: 5.113 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

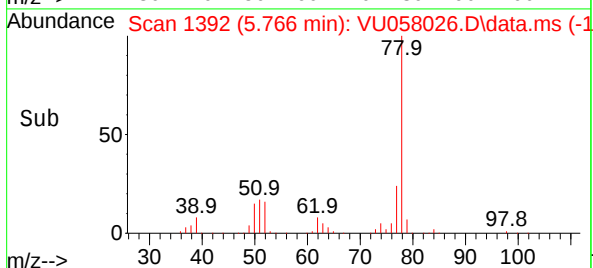
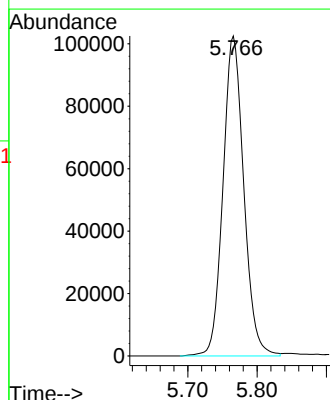
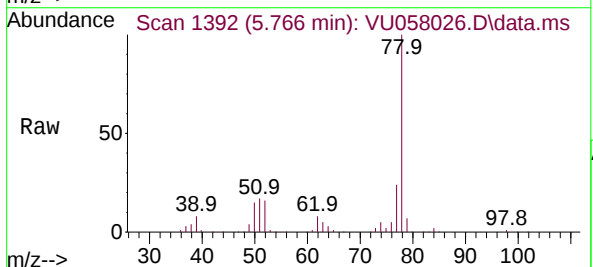
Instrument :
MSVOA_U
ClientSampleId :

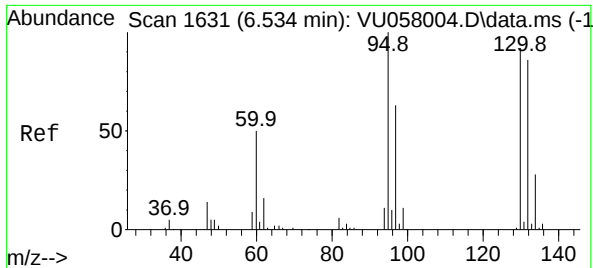
Tgt Ion:117 Resp: 71529
Ion Ratio Lower Upper
117 100
119 96.3 75.8 113.8



#33
Benzene
Concen: 5.148 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

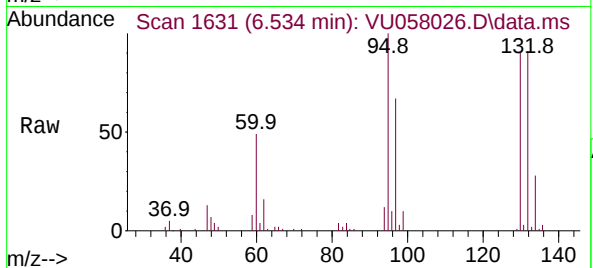
Tgt Ion: 78 Resp: 213684



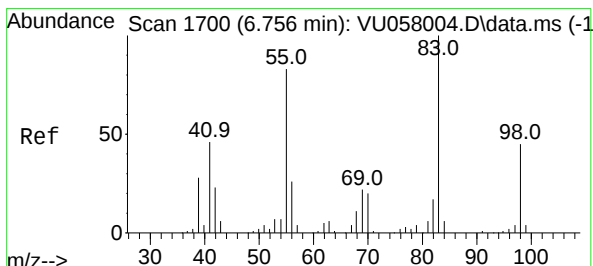
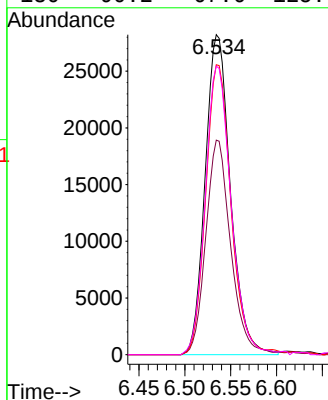
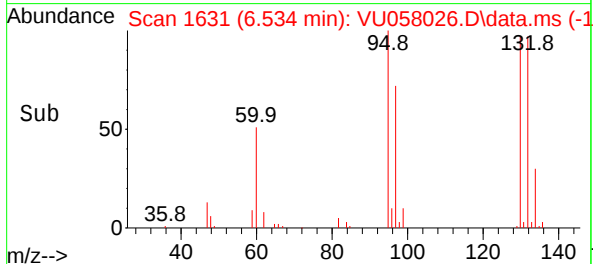


#34
Trichloroethene
Concen: 4.972 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

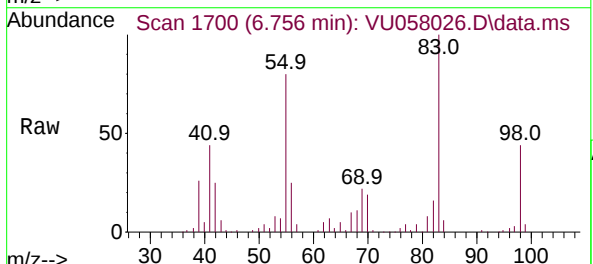
Instrument :
MSVOA_U
ClientSampleId :



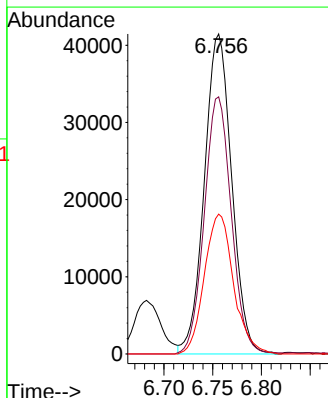
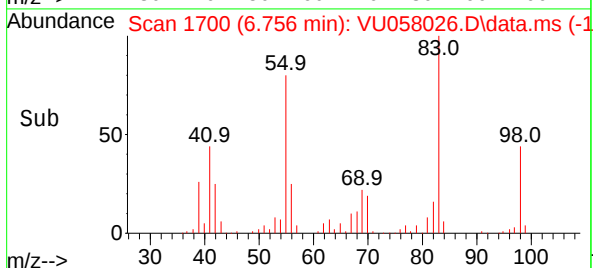
Tgt Ion: 95 Resp: 54306
Ion Ratio Lower Upper
95 100
97 67.1 45.3 84.1
132 90.6 63.1 117.1
130 90.2 67.6 125.6

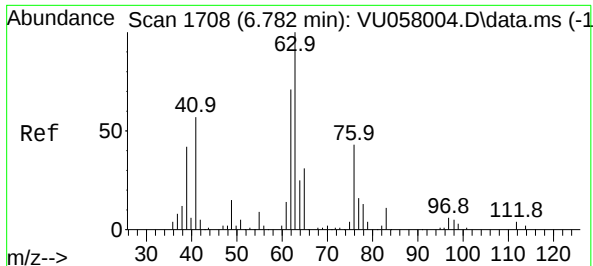


#35
Methylcyclohexane
Concen: 4.838 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43



Tgt Ion: 83 Resp: 81004
Ion Ratio Lower Upper
83 100
55 79.6 63.0 94.6
98 46.6 36.2 54.4

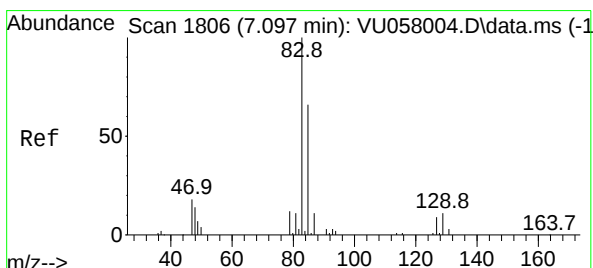
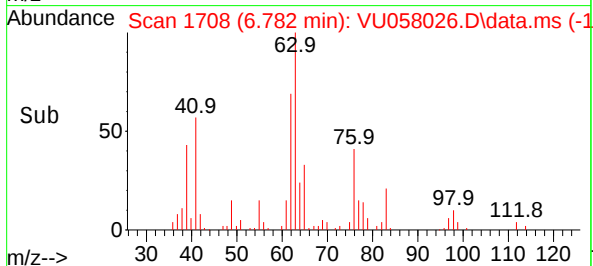
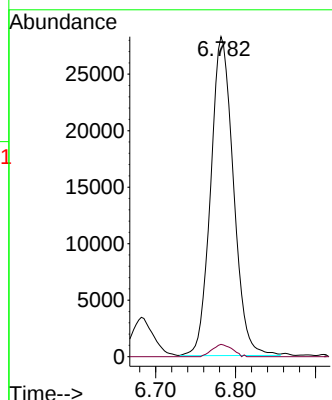
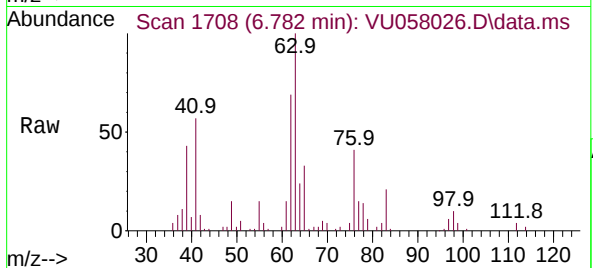




#37
1,2-Dichloropropane
Concen: 5.218 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

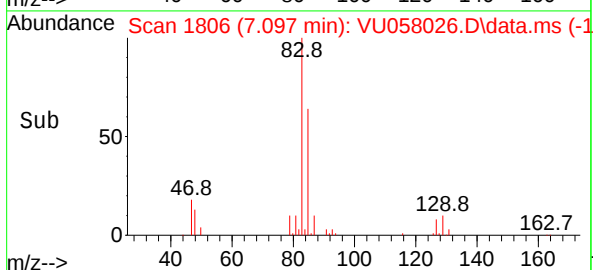
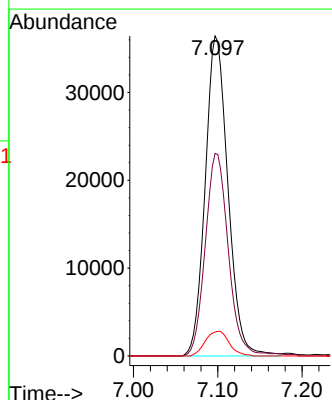
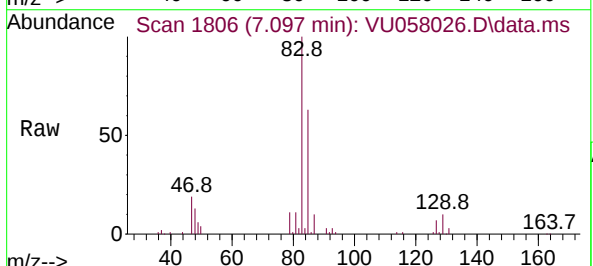
Instrument :
MSVOA_U
ClientSampleId :

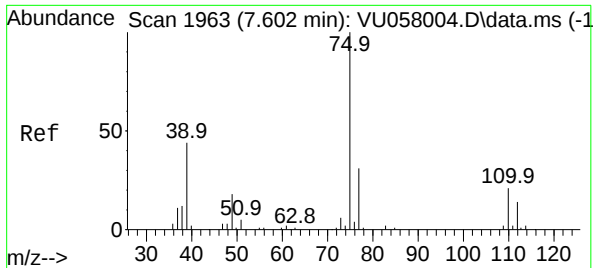
Tgt Ion: 63 Resp: 55856
Ion Ratio Lower Upper
63 100
112 3.4 3.0 4.4



#38
Bromodichloromethane
Concen: 5.274 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

Tgt Ion: 83 Resp: 68496
Ion Ratio Lower Upper
83 100
85 63.3 44.5 82.7
127 8.1 6.6 9.8

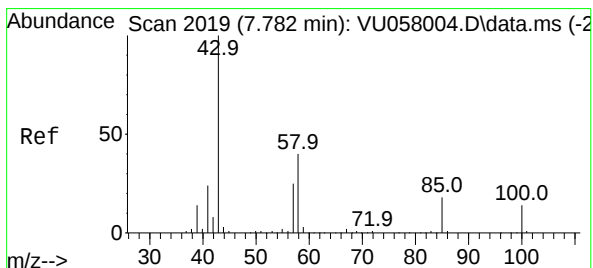
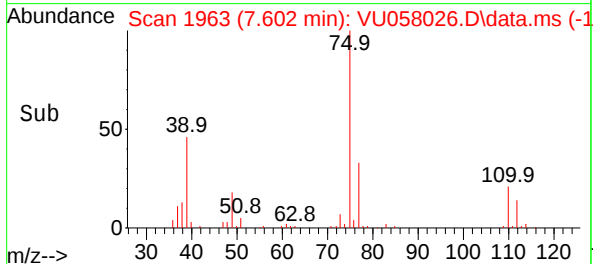
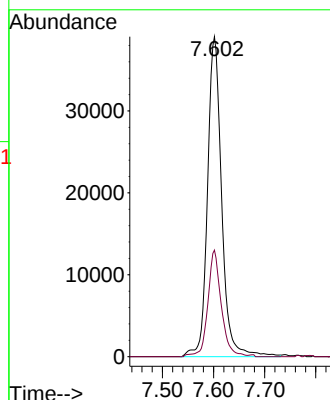
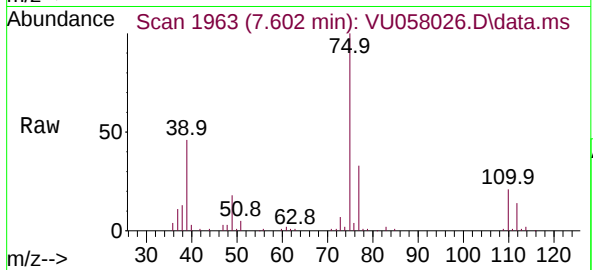




#39
 cis-1,3-Dichloropropene
 Concen: 5.114 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU058026.D
 Acq: 08 Mar 2024 18:43

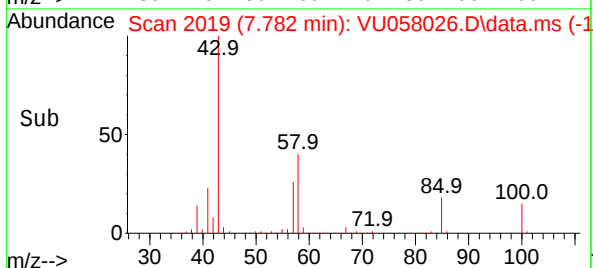
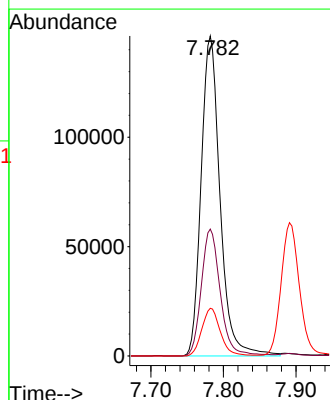
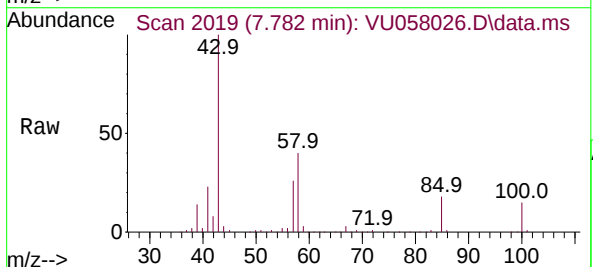
Instrument :
 MSVOA_U
 ClientSampleId :

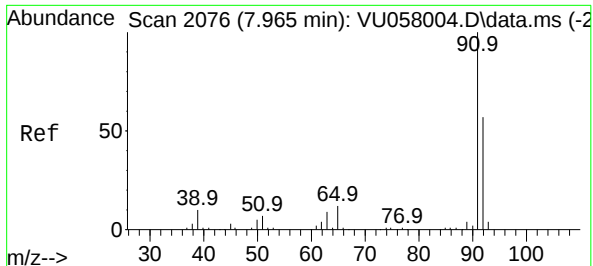
Tgt Ion: 75 Resp: 75417
 Ion Ratio Lower Upper
 75 100
 77 33.3 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 53.861 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VU058026.D
 Acq: 08 Mar 2024 18:43

Tgt Ion: 43 Resp: 265217
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.7 47.5
 100 14.7 11.3 16.9





#42

Toluene

Concen: 5.181 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU058026.D

Acq: 08 Mar 2024 18:43

Instrument :

MSVOA_U

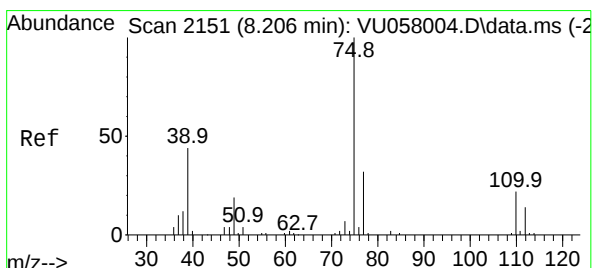
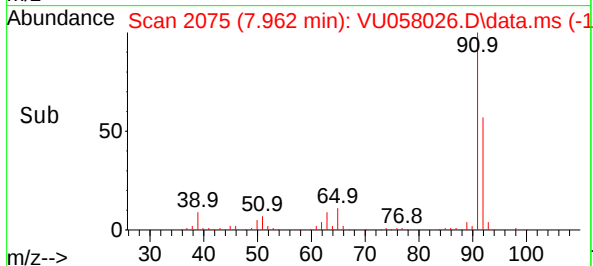
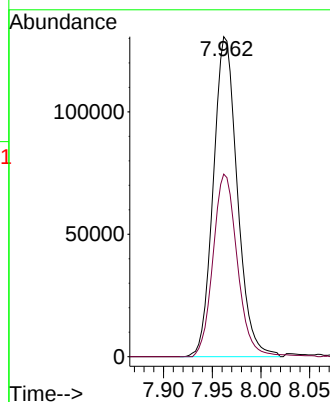
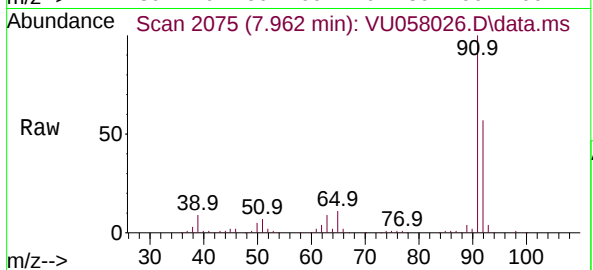
ClientSampleId :

Tgt Ion: 91 Resp: 223969

Ion Ratio Lower Upper

91 100

92 57.1 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.126 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU058026.D

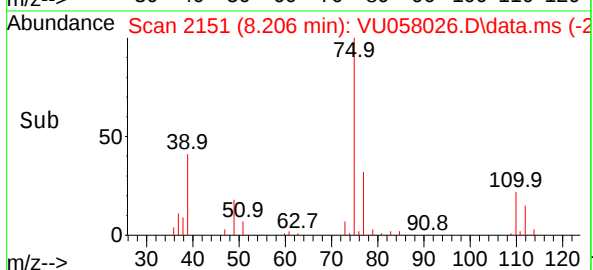
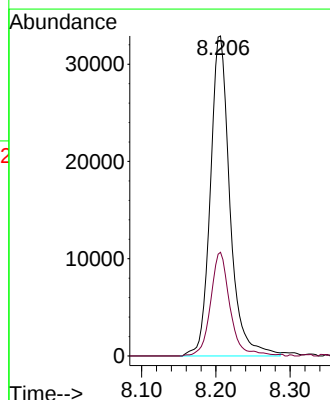
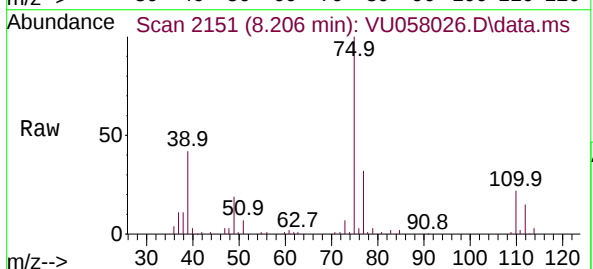
Acq: 08 Mar 2024 18:43

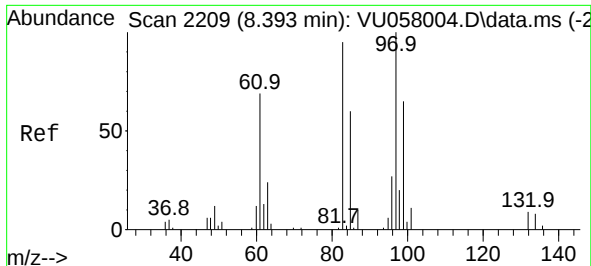
Tgt Ion: 75 Resp: 60247

Ion Ratio Lower Upper

75 100

77 32.4 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 5.230 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU058026.D

Acq: 08 Mar 2024 18:43

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 33196

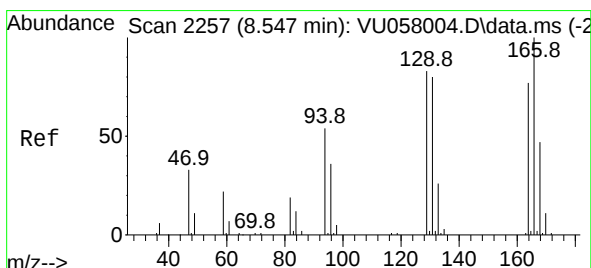
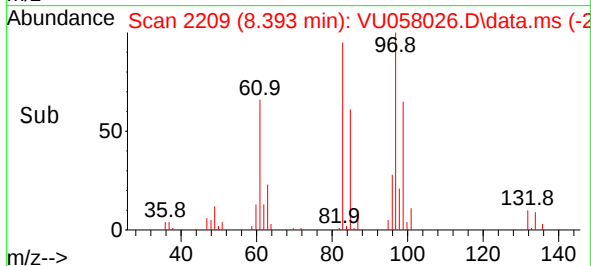
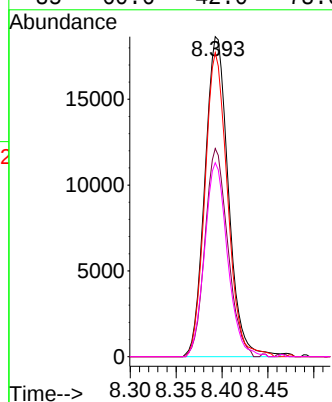
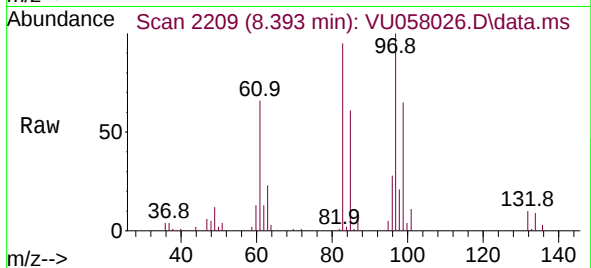
Ion Ratio Lower Upper

97 100

99 65.0 44.2 82.2

83 95.0 64.2 119.2

85 60.6 42.0 78.0



#47

Tetrachloroethene

Concen: 5.078 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU058026.D

Acq: 08 Mar 2024 18:43

Tgt Ion: 164 Resp: 38477

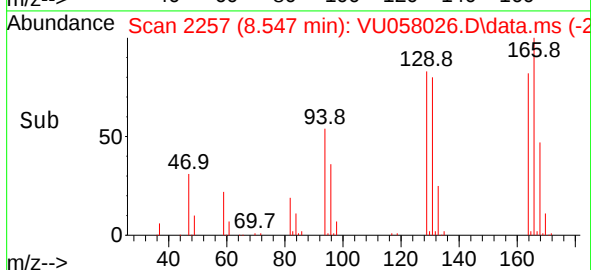
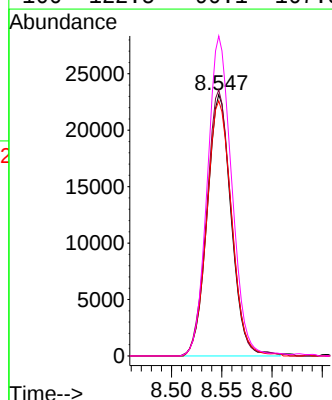
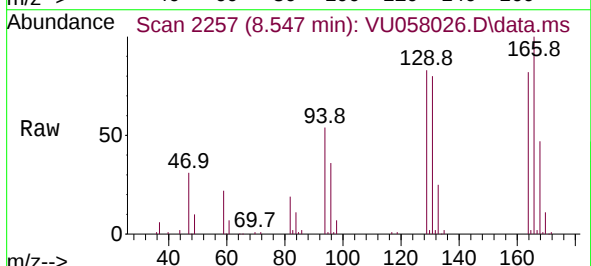
Ion Ratio Lower Upper

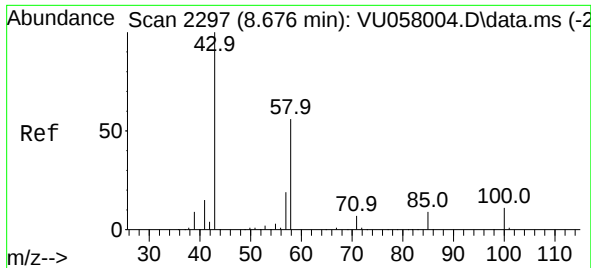
164 100

129 101.8 69.3 128.7

131 97.7 69.9 129.9

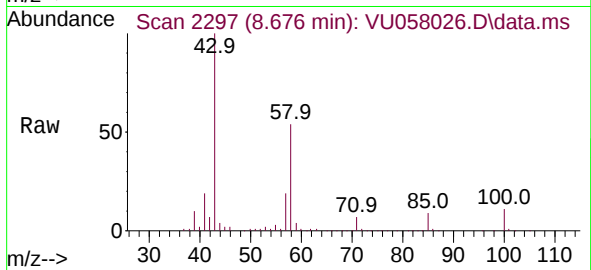
166 122.5 90.1 167.3



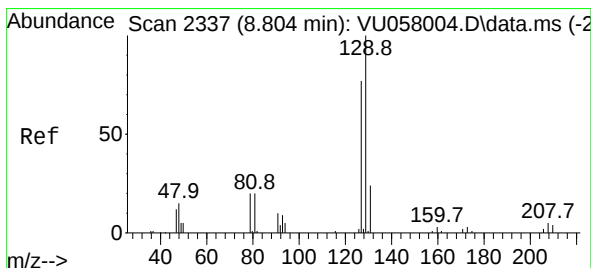
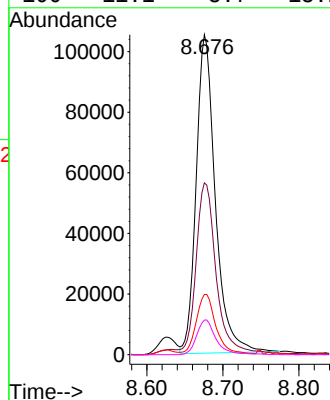
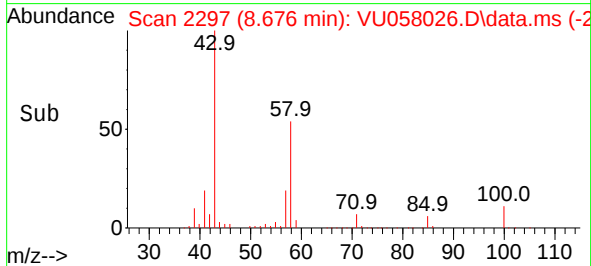


#48
2-Hexanone
Concen: 51.017 ug/L
RT: 8.676 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

Instrument :
MSVOA_U
ClientSampleId :

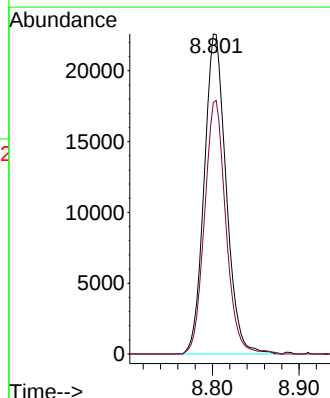
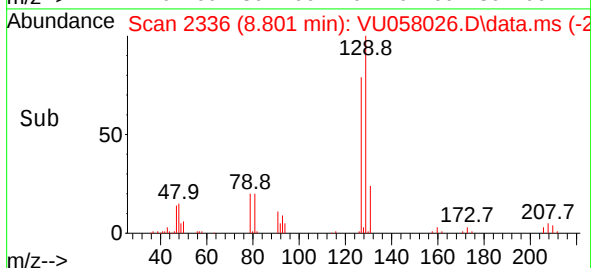
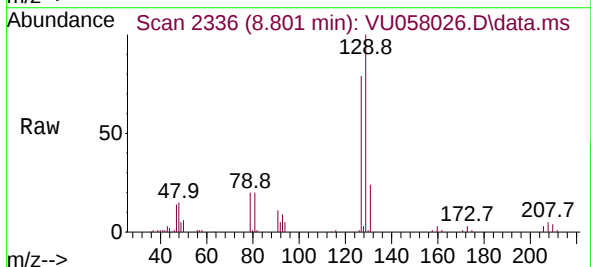


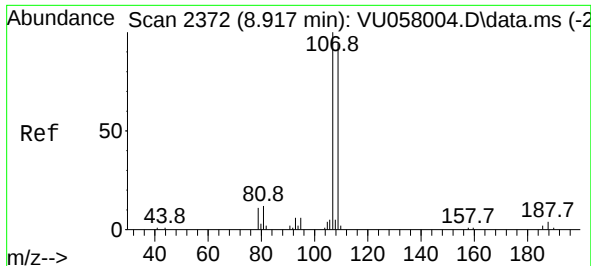
Tgt Ion: 43 Resp: 184228
Ion Ratio Lower Upper
43 100
58 56.4 43.3 64.9
57 18.8 15.2 22.8
100 11.1 8.7 13.1



#49
Dibromochloromethane
Concen: 5.288 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.003 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

Tgt Ion:129 Resp: 39724
Ion Ratio Lower Upper
129 100
127 78.6 55.2 102.6





#50

1,2-Dibromoethane

Concen: 5.487 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

Lab File: VU058026.D

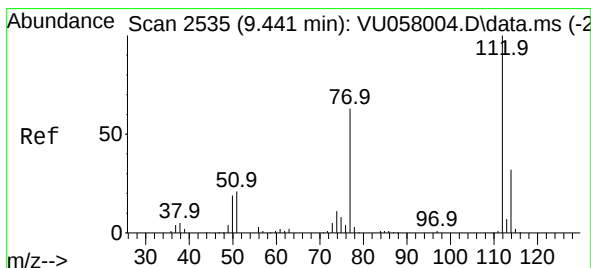
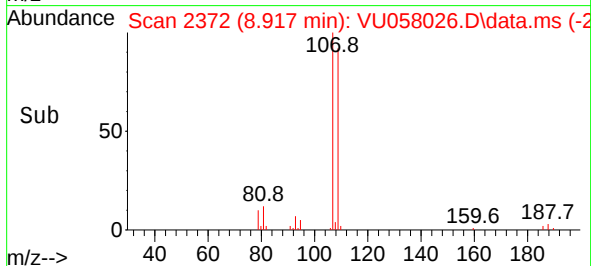
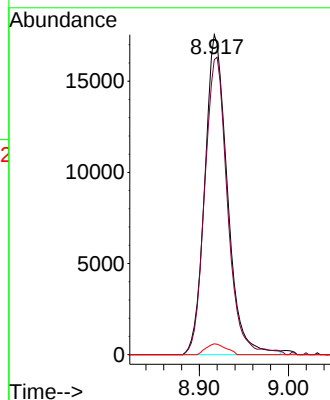
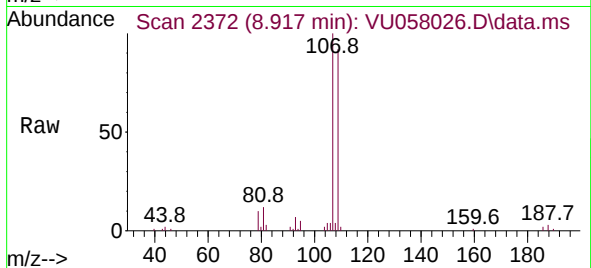
Acq: 08 Mar 2024 18:43

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	30904
Ion Ratio	Lower	Upper	
107	100		
109	92.2	67.8	125.8
188	3.4	2.4	3.6



#51

Chlorobenzene

Concen: 5.166 ug/L

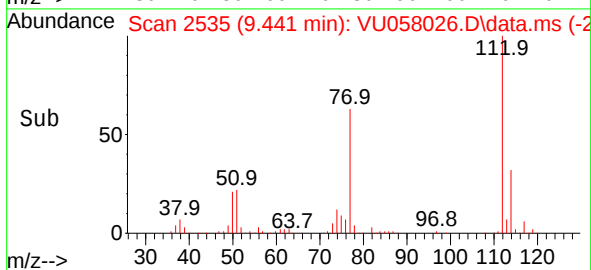
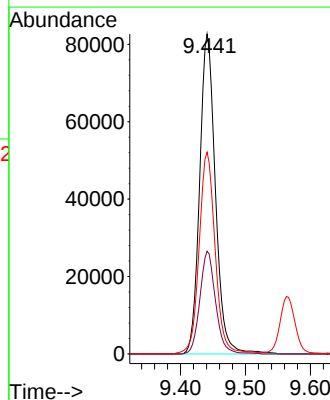
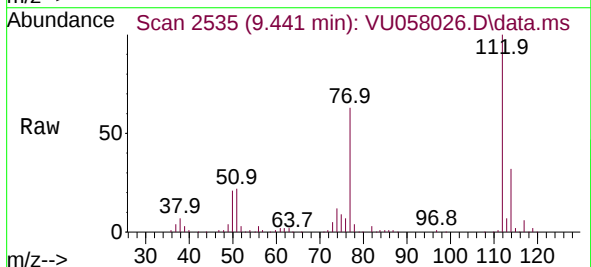
RT: 9.441 min Scan# 2535

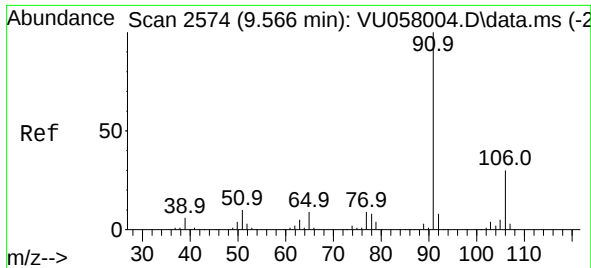
Delta R.T. 0.000 min

Lab File: VU058026.D

Acq: 08 Mar 2024 18:43

Tgt Ion:	112	Resp:	140050
Ion Ratio	Lower	Upper	
112	100		
114	32.2	22.7	42.1
77	63.1	52.3	78.5

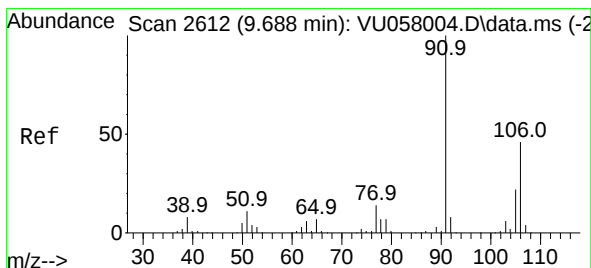
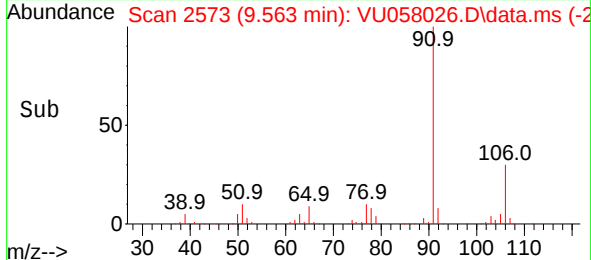
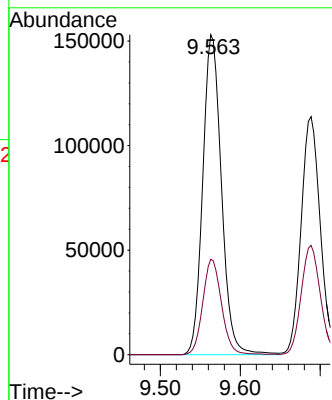
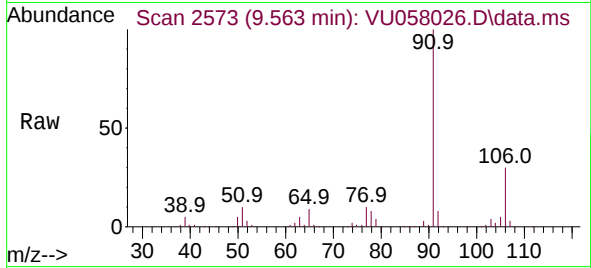




#52
Ethylbenzene
Concen: 5.146 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.003 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

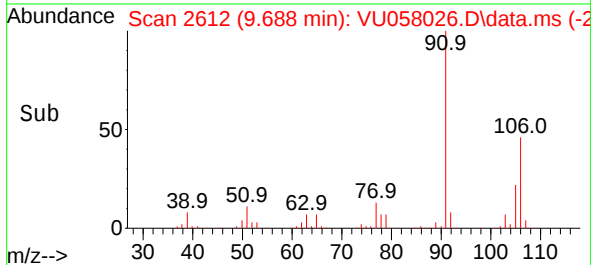
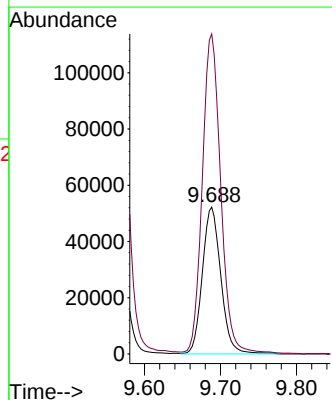
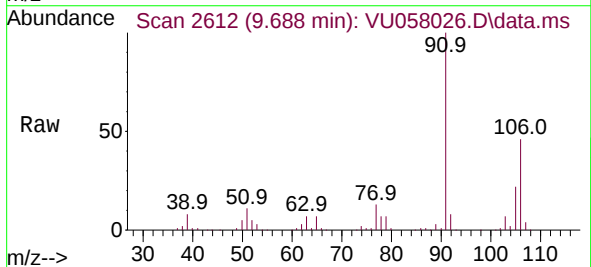
Instrument :
MSVOA_U
ClientSampleId :

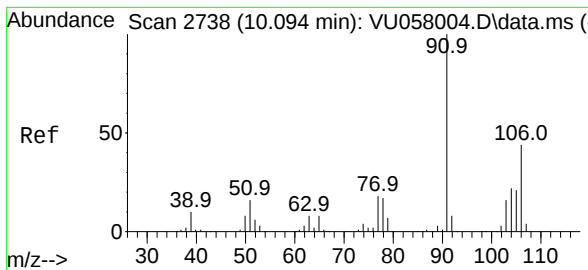
Tgt Ion: 91 Resp: 248921
Ion Ratio Lower Upper
91 100
106 29.8 20.9 38.7



#53
m,p-Xylene
Concen: 5.116 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

Tgt Ion:106 Resp: 88425
Ion Ratio Lower Upper
106 100
91 217.8 148.8 276.4

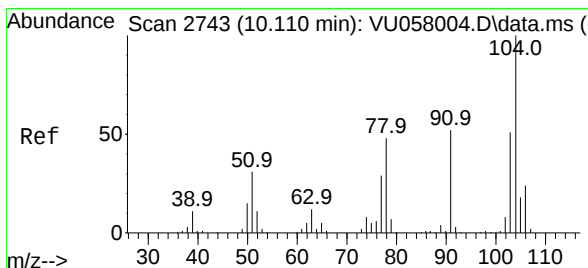
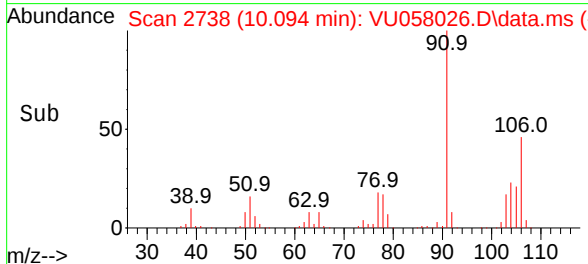
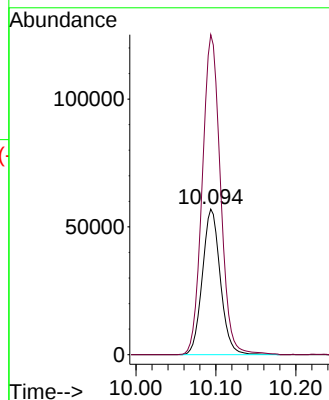
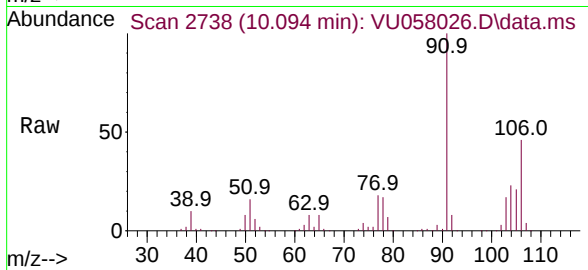




#54
o-Xylene
Concen: 5.181 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

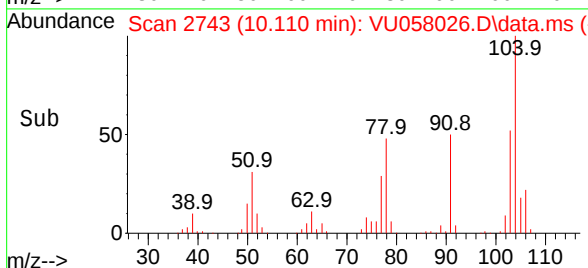
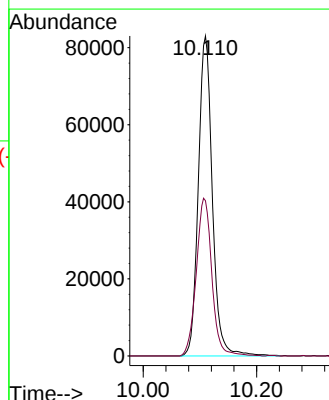
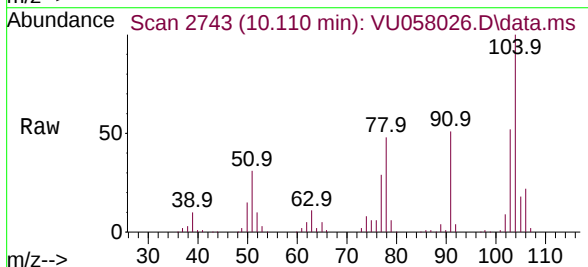
Instrument :
MSVOA_U
ClientSampleId :

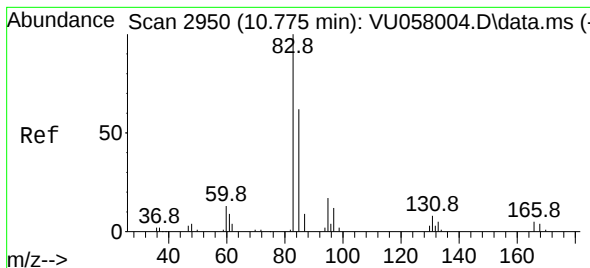
Tgt Ion:106 Resp: 89256
Ion Ratio Lower Upper
106 100
91 219.7 158.3 294.1



#55
Styrene
Concen: 5.284 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

Tgt Ion:104 Resp: 142873
Ion Ratio Lower Upper
104 100
78 48.5 34.2 63.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.629 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU058026.D

Acq: 08 Mar 2024 18:43

Instrument :

MSVOA_U

ClientSampleId :

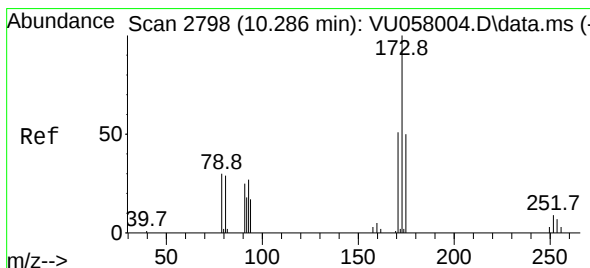
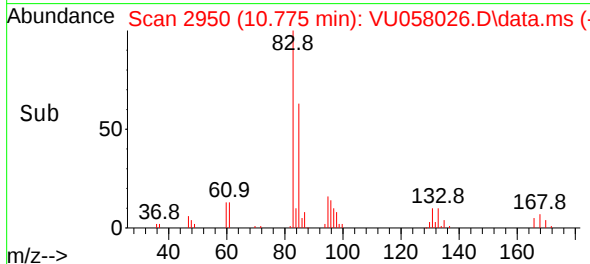
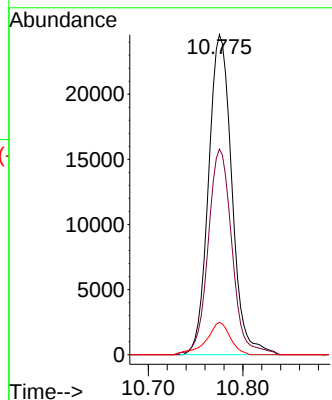
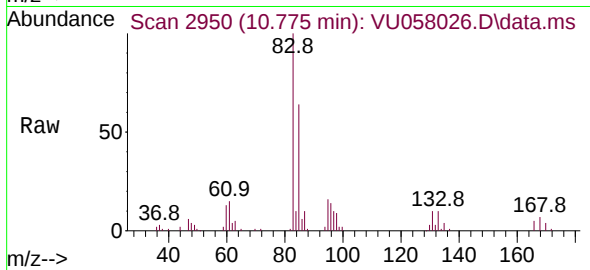
Tgt Ion: 83 Resp: 42086

Ion Ratio Lower Upper

83 100

85 64.3 44.0 81.6

131 10.1 6.9 10.3



#59

Bromoform

Concen: 5.269 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU058026.D

Acq: 08 Mar 2024 18:43

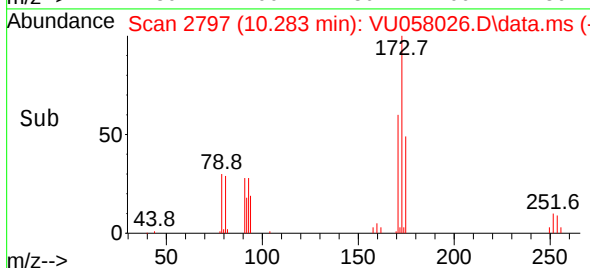
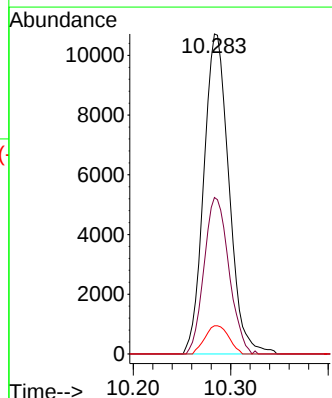
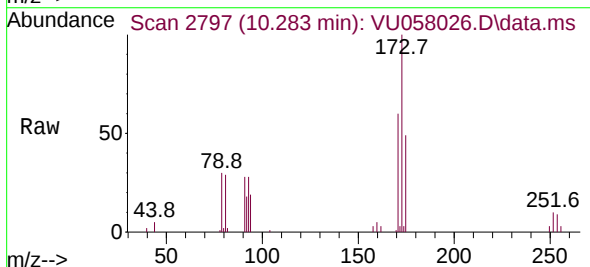
Tgt Ion:173 Resp: 19190

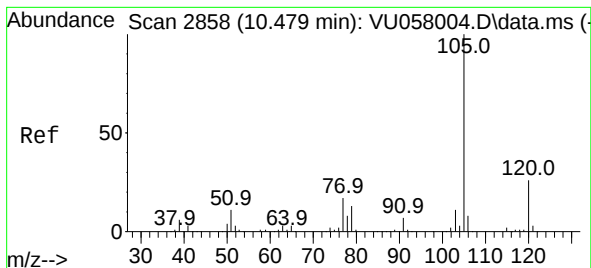
Ion Ratio Lower Upper

173 100

175 48.3 38.6 57.8

254 8.3 7.3 10.9





#60

Isopropylbenzene

Concen: 5.273 ug/L

RT: 10.479 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU058026.D

Acq: 08 Mar 2024 18:43

Instrument :

MSVOA_U

ClientSampleId :

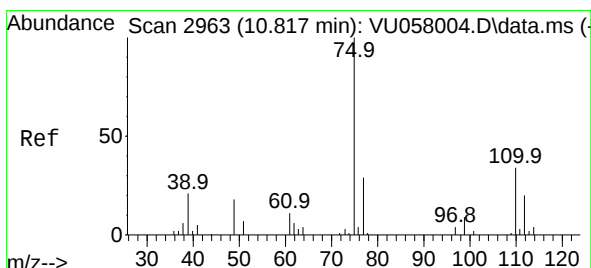
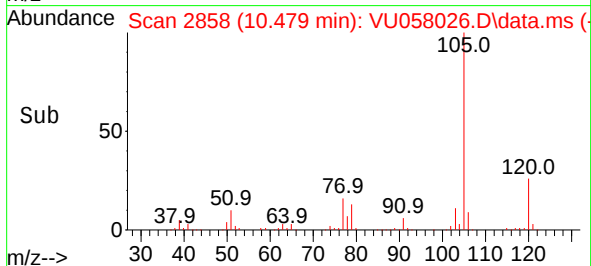
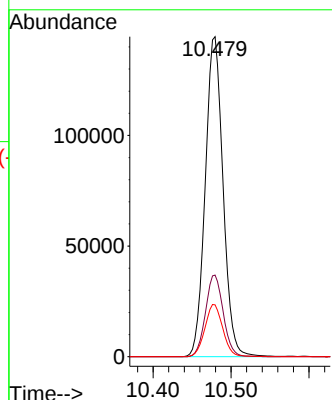
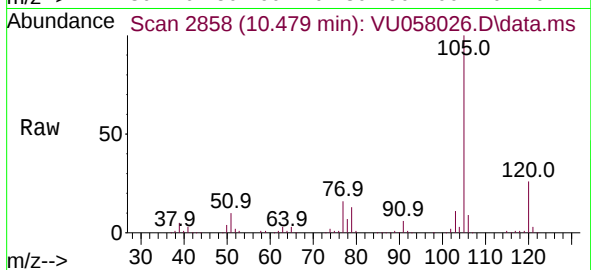
Tgt Ion:105 Resp: 229338

Ion Ratio Lower Upper

105 100

120 25.4 20.4 30.6

77 16.4 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 5.433 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU058026.D

Acq: 08 Mar 2024 18:43

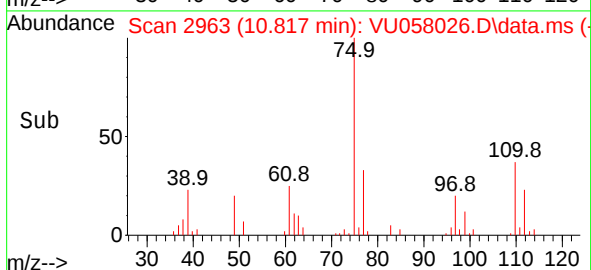
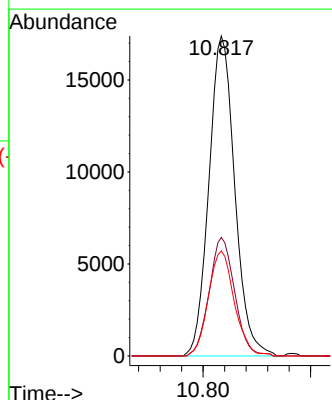
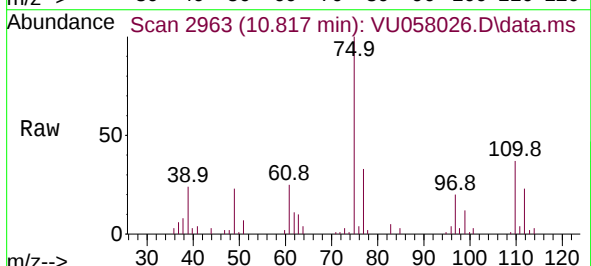
Tgt Ion: 75 Resp: 29062

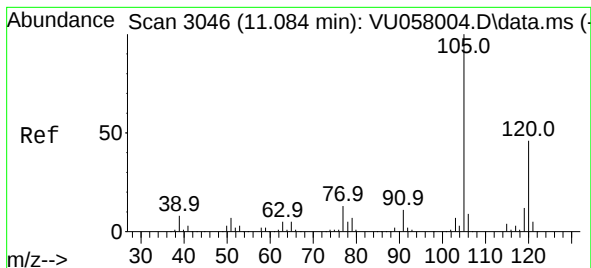
Ion Ratio Lower Upper

75 100

110 36.4 28.0 42.0

77 32.9 24.7 37.1





#62

1,3,5-Trimethylbenzene

Concen: 5.189 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU058026.D

Acq: 08 Mar 2024 18:43

Instrument :

MSVOA_U

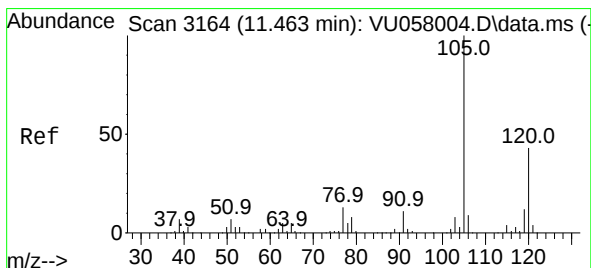
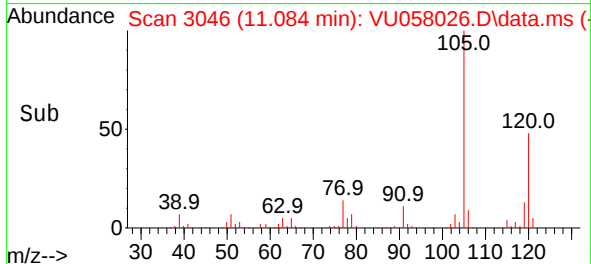
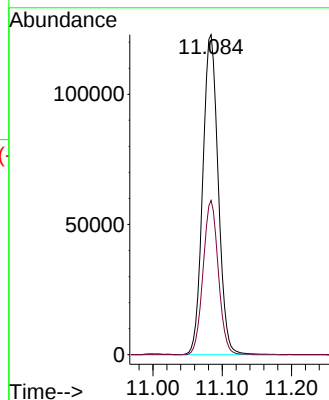
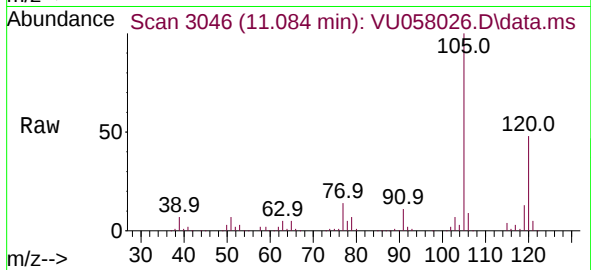
ClientSampleId :

Tgt Ion:105 Resp: 190361

Ion Ratio Lower Upper

105 100

120 47.4 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 5.244 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU058026.D

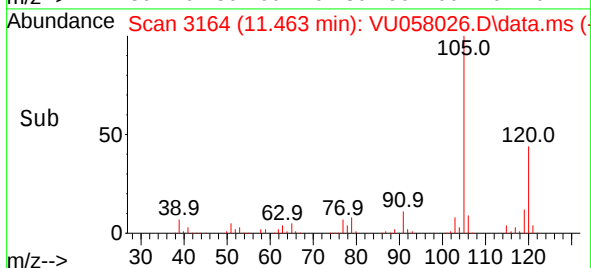
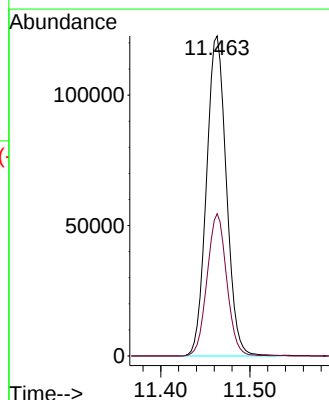
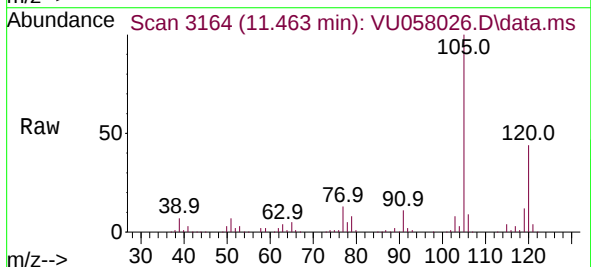
Acq: 08 Mar 2024 18:43

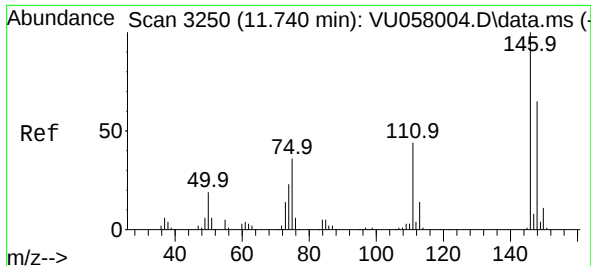
Tgt Ion:105 Resp: 189839

Ion Ratio Lower Upper

105 100

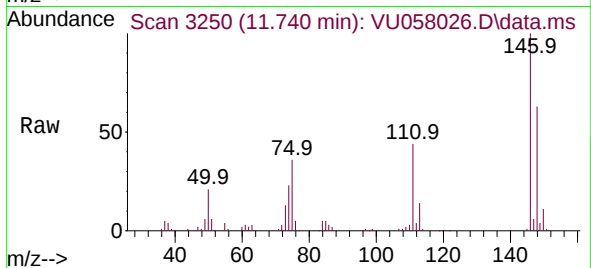
120 43.8 34.8 52.2



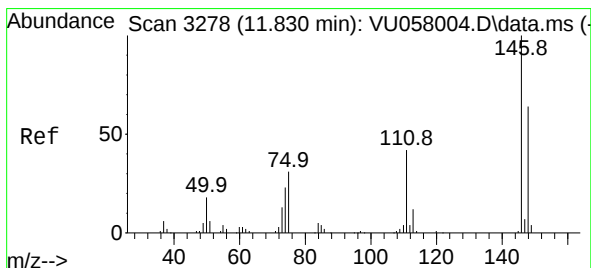
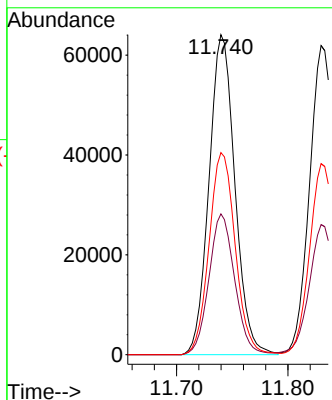
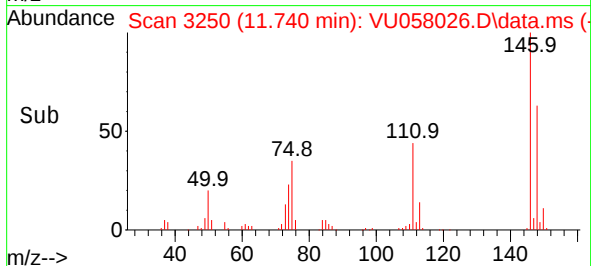


#64
1,3-Dichlorobenzene
Concen: 5.236 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

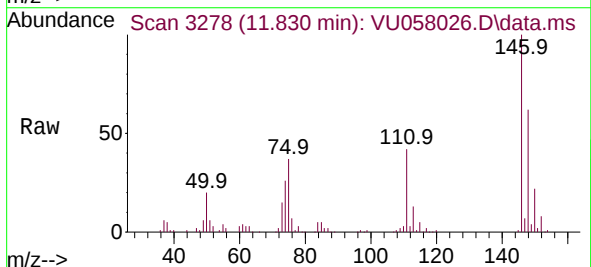
Instrument :
MSVOA_U
ClientSampleId :



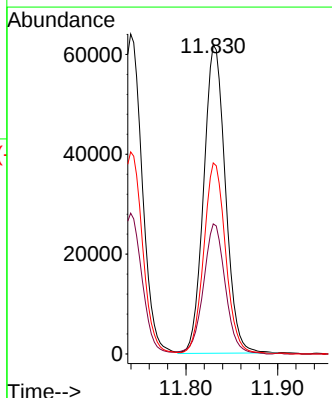
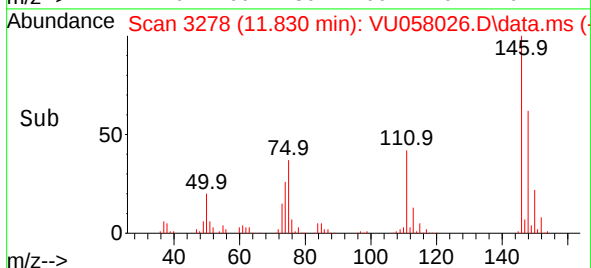
Tgt Ion:146 Resp: 103506
Ion Ratio Lower Upper
146 100
111 44.0 30.9 57.5
148 63.1 45.4 84.4

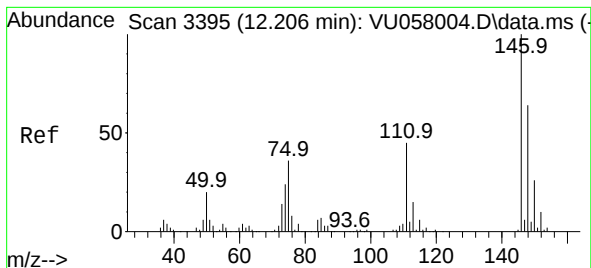


#65
1,4-Dichlorobenzene
Concen: 5.251 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43



Tgt Ion:146 Resp: 101611
Ion Ratio Lower Upper
146 100
111 42.1 30.1 55.9
148 61.8 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 5.343 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058026.D

Acq: 08 Mar 2024 18:43

Instrument :

MSVOA_U

ClientSampleId :

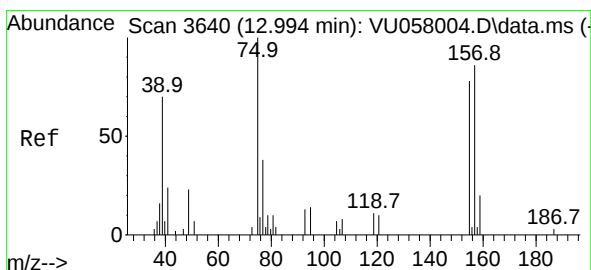
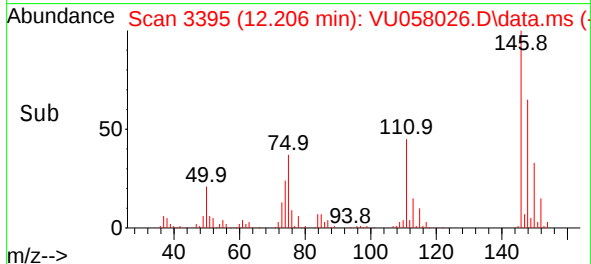
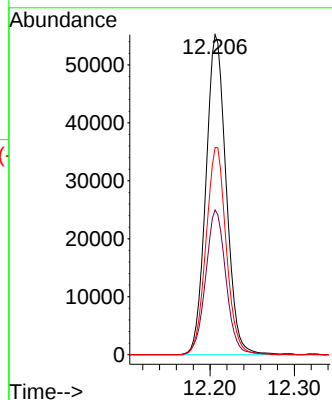
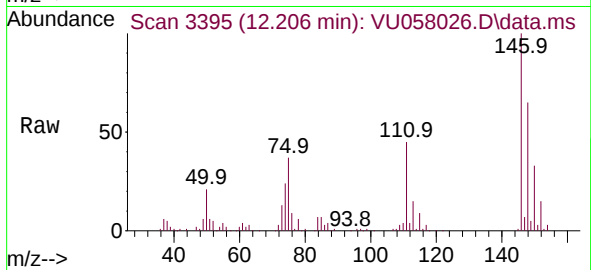
Tgt Ion:146 Resp: 92219

Ion Ratio Lower Upper

146 100

111 45.3 37.4 56.0

148 64.7 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.681 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.006 min

Lab File: VU058026.D

Acq: 08 Mar 2024 18:43

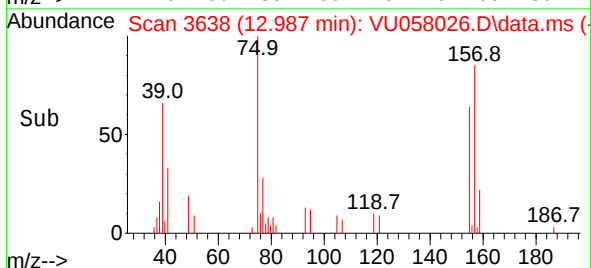
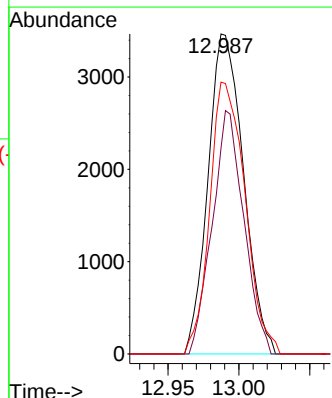
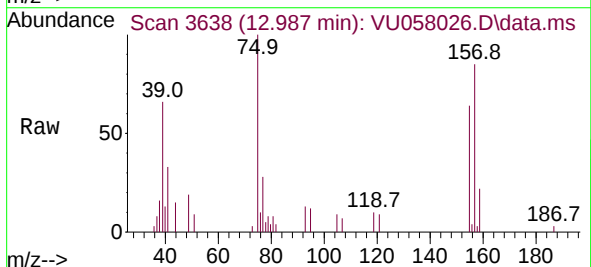
Tgt Ion: 75 Resp: 6029

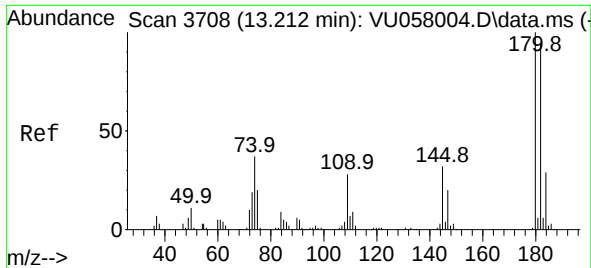
Ion Ratio Lower Upper

75 100

155 64.3 61.0 91.6

157 85.0 74.6 112.0





#69

1,3,5-Trichlorobenzene

Concen: 5.189 ug/L

RT: 13.212 min Scan# 3708

Delta R.T. 0.000 min

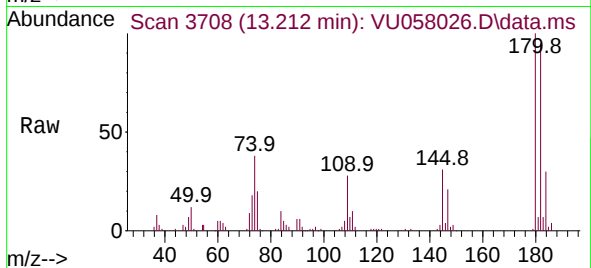
Lab File: VU058026.D

Acq: 08 Mar 2024 18:43

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 73792

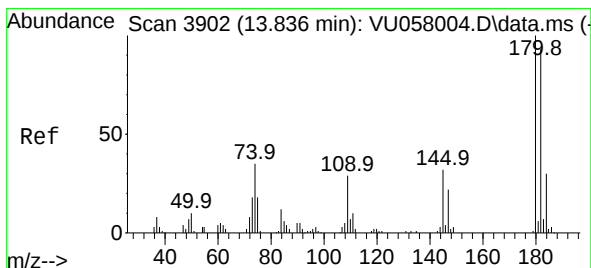
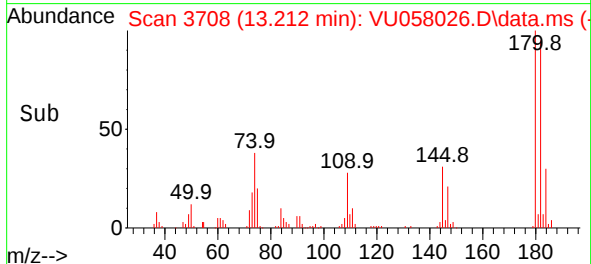
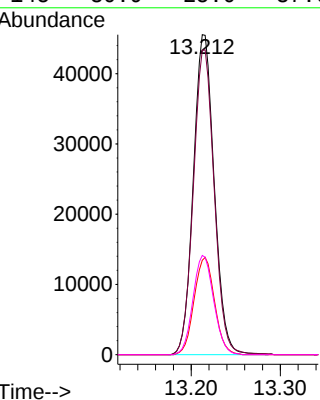
Ion Ratio Lower Upper

180 100

182 95.3 76.3 114.5

184 29.9 24.6 36.8

145 30.9 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 5.368 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU058026.D

Acq: 08 Mar 2024 18:43

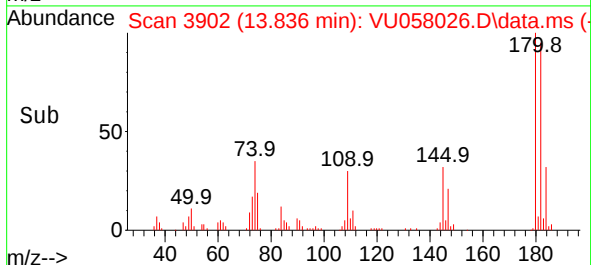
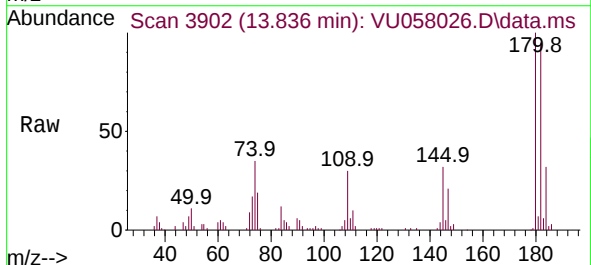
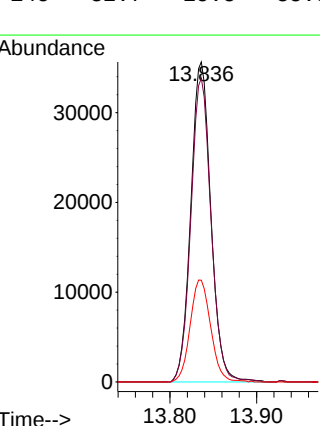
Tgt Ion:180 Resp: 57353

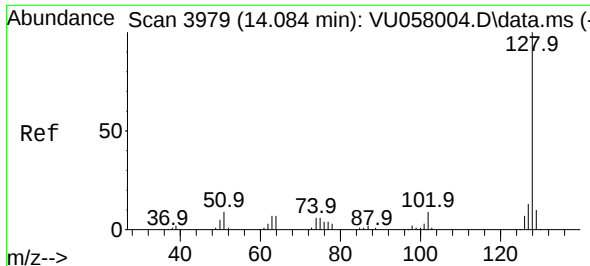
Ion Ratio Lower Upper

180 100

182 95.3 77.9 116.9

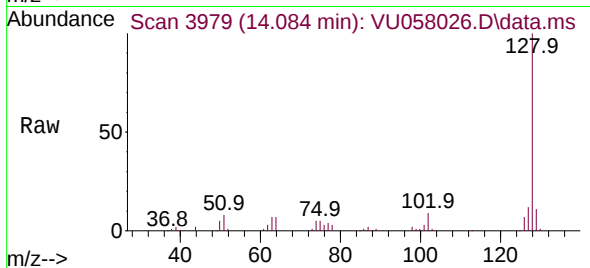
145 32.7 25.8 38.8



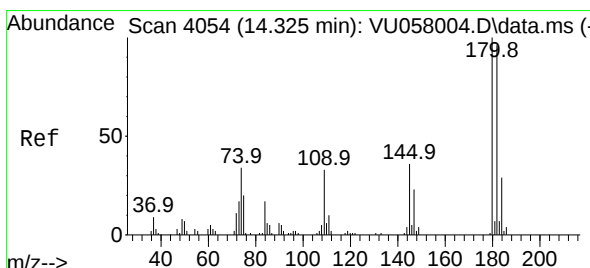
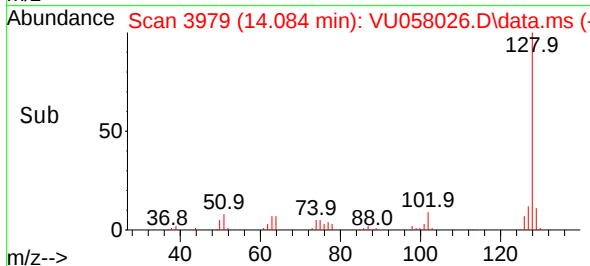
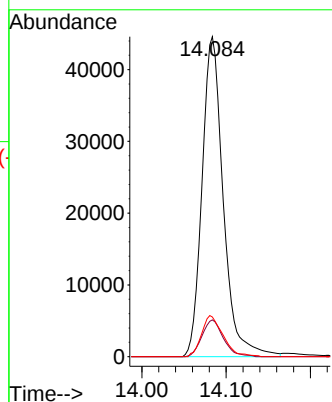


#71
Naphthalene
Concen: 5.363 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 78259
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.6
127 13.0 10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 5.474 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU058026.D
Acq: 08 Mar 2024 18:43

Tgt Ion:180 Resp: 46198
Ion Ratio Lower Upper
180 100
182 95.1 77.6 116.4
145 35.9 28.7 43.1

