

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082324\
 Data File : VU060512.D
 Acq On : 23 Aug 2024 13:55
 Operator : MD/SY
 Sample : VSTD02016
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 24 01:20:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 24 01:18:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	104040	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	107530	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	84573	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	81099	17.649	ug/L	0.00
7) Chloroethane-d5	1.911	69	112858	16.210	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	65	45661	16.860	ug/L	0.00
20) 2-Butanone-d5	4.625	46	344710	218.143	ug/L	0.00
24) Chloroform-d	5.052	84	262304	20.022	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	138016	20.189	ug/L	0.00
32) Benzene-d6	5.718	84	475207	20.210	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	154738	20.397	ug/L	0.00
41) Toluene-d8	7.891	98	448868	20.348	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	59574	21.944	ug/L	0.00
46) 2-Hexanone-d5	8.628	63	302390	232.643	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	135936	20.136	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	256631	20.579	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.384	85	226674	19.200	ug/L	99
3) Chloromethane	1.519	50	179847	17.581	ug/L	99
5) Vinyl chloride	1.602	62	175683	17.442	ug/L	98
6) Bromomethane	1.853	94	179403	17.698	ug/L	96
8) Chloroethane	1.930	64	142314	15.485	ug/L	100
9) Trichlorofluoromethane	2.133	101	422410	19.290	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	149742	16.163	ug/L	99
12) 1,1-Dichloroethene	2.573	96	137937	16.177	ug/L	92
13) Acetone	2.644	43	228867	171.625	ug/L	100
14) Carbon disulfide	2.785	76	468426	16.929	ug/L	99
15) Methyl Acetate	2.953	43	57628	21.659	ug/L	97
16) Methylene chloride	3.036	84	152662	18.432	ug/L	92
17) Methyl tert-butyl Ether	3.358	73	367155	21.216	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	149122	20.089	ug/L	97
19) 1,1-Dichloroethane	3.859	63	289937	19.273	ug/L	94
21) 2-Butanone	4.705	43	389476	215.388	ug/L	97
22) cis-1,2-Dichloroethene	4.657	96	166372	20.113	ug/L	100
23) Bromochloromethane	4.965	128	75054	19.965	ug/L	92
25) Chloroform	5.078	83	307053	19.286	ug/L	98
27) 1,2-Dichloroethane	5.785	62	204340	19.123	ug/L	97
29) 1,1,1-Trichloroethane	5.306	97	278061	18.880	ug/L	98
30) Cyclohexane	5.380	56	262843	21.557	ug/L	98
31) Carbon tetrachloride	5.515	117	256566	18.850	ug/L	100
33) Benzene	5.766	78	650951	19.087	ug/L	100
34) Trichloroethene	6.535	95	176522	19.095	ug/L	98
35) Methylcyclohexane	6.756	83	277959	21.914	ug/L	97
37) 1,2-Dichloropropane	6.782	63	172383	19.726	ug/L #	98
38) Bromodichloromethane	7.097	83	218511	19.029	ug/L	100
39) cis-1,3-Dichloropropene	7.599	75	263975	20.602	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	967667	212.616	ug/L	99
42) Toluene	7.962	91	726889	20.169	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	226126	21.497	ug/L	97

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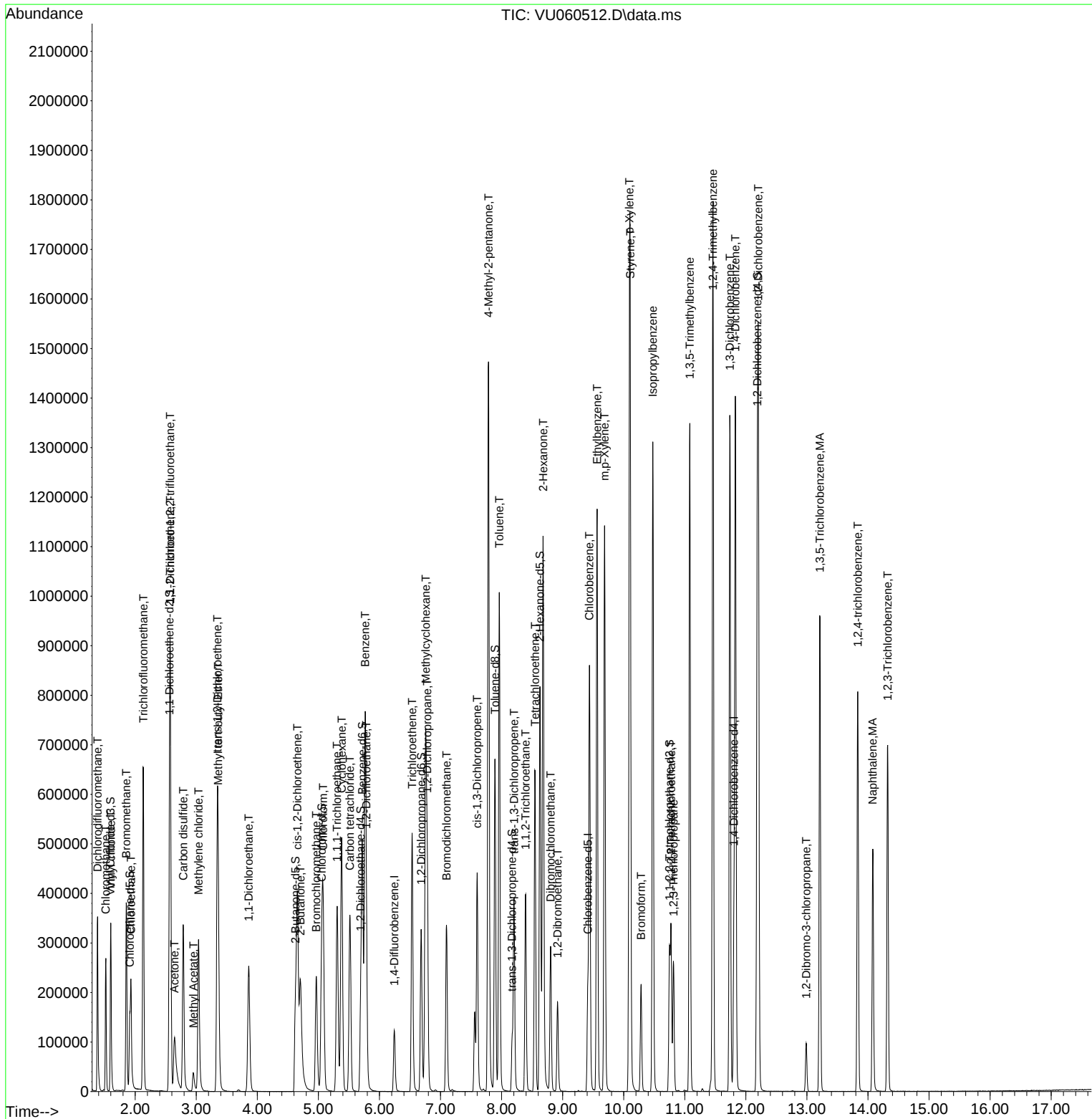
Quant Time: Aug 24 01:20:35 2024
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 24 01:18:00 2024
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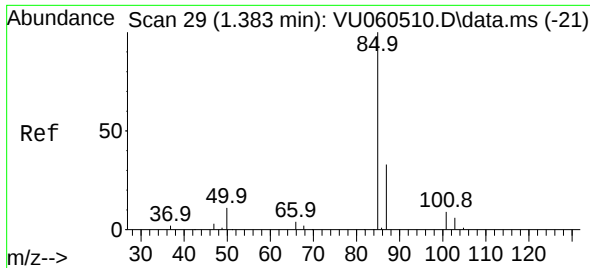
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.393	97	120601	19.051	ug/L	97
47) Tetrachloroethene	8.547	164	143165	18.894	ug/L	99
48) 2-Hexanone	8.679	43	731352	218.700	ug/L	99
49) Dibromochloromethane	8.801	129	150816	20.578	ug/L	99
50) 1,2-Dibromoethane	8.917	107	117110	20.151	ug/L #	95
51) Chlorobenzene	9.438	112	459501	19.695	ug/L	99
52) Ethylbenzene	9.563	91	815042	21.340	ug/L	100
53) m,p-Xylene	9.686	106	316027	22.257	ug/L	97
54) o-Xylene	10.094	106	307303	21.141	ug/L	98
55) Styrene	10.107	104	528159	22.176	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.776	83	156397	19.350	ug/L	98
59) Bromoform	10.284	173	96413	13.872	ug/L	97
60) Isopropylbenzene	10.477	105	836198	14.800	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	111270	13.639	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	704295	16.725	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	966739	22.504	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	547640	19.805	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	554333	19.756	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	507091	19.547	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.988	75	27097	14.715	ug/L	92
69) 1,3,5-Trichlorobenzene	13.213	180	301194	14.126	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	251401	14.614	ug/L	98
71) Naphthalene	14.078	128	383713	17.459	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	217579	15.114	ug/L	98

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

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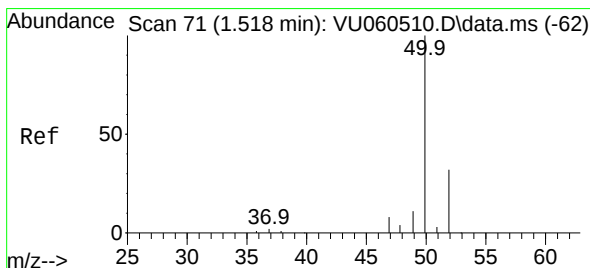
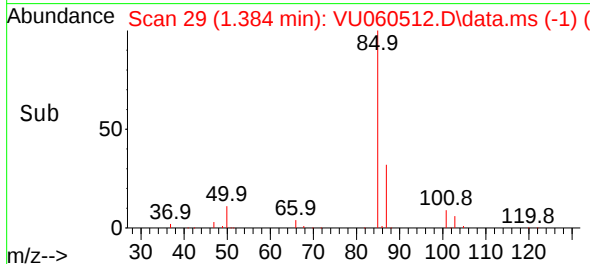
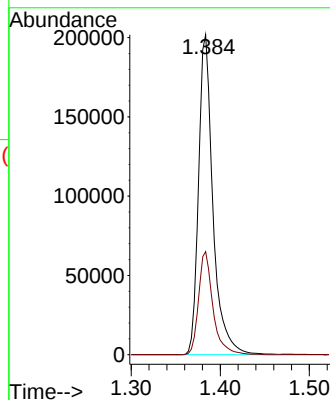
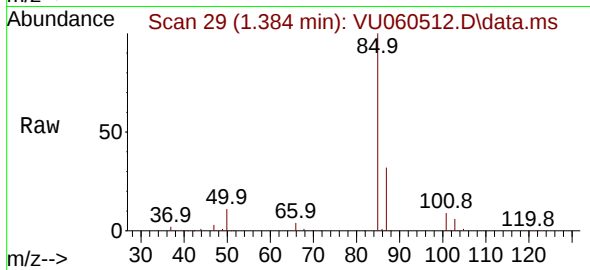




#2
 Dichlorodifluoromethane
 Concen: 19.200 ug/L
 RT: 1.384 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VU060512.D
 Acq: 23 Aug 2024 13:55

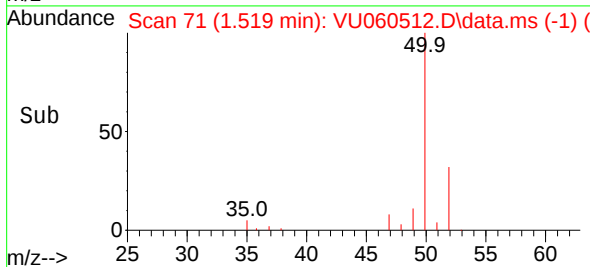
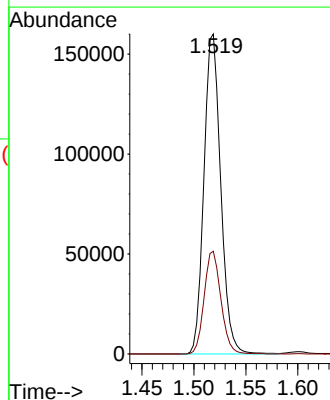
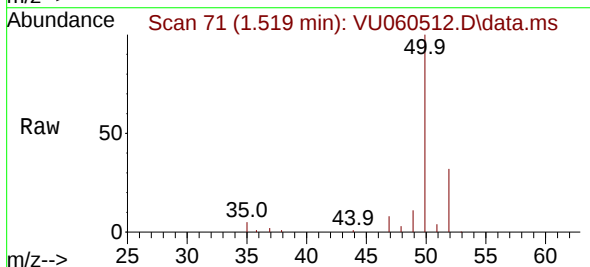
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 MSVOA_U
 ClientSampleId :

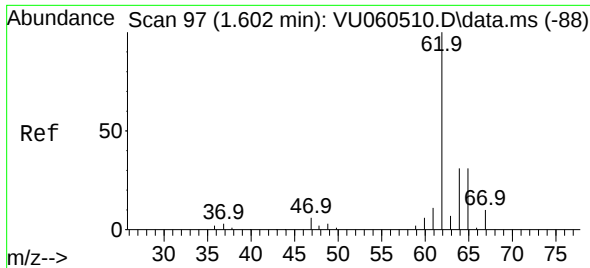
Tgt Ion: 85 Resp: 226674
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.2 39.4



#3
 Chloromethane
 Concen: 17.581 ug/L
 RT: 1.519 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU060512.D
 Acq: 23 Aug 2024 13:55

Tgt Ion: 50 Resp: 179847
 Ion Ratio Lower Upper
 50 100
 52 32.1 22.7 42.1

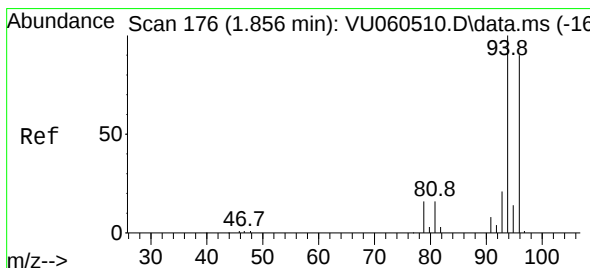
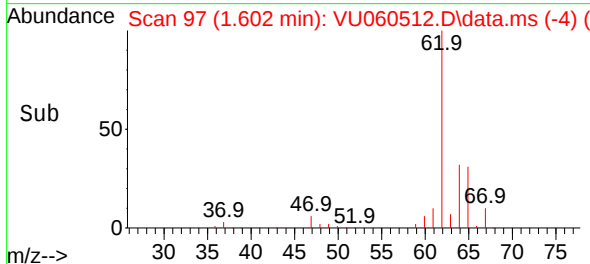
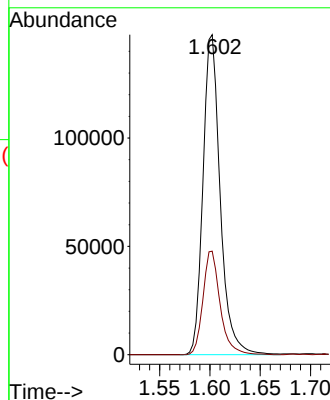
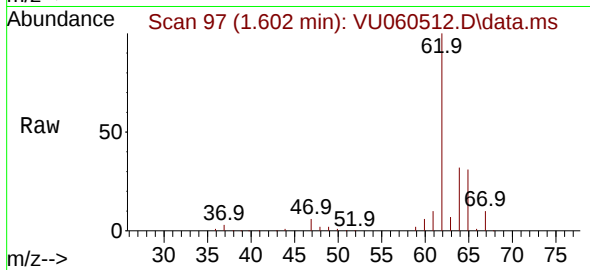




#5
 Vinyl chloride
 Concen: 17.442 ug/L
 RT: 1.602 min Scan# 97
 Delta R.T. 0.000 min
 Lab File: VU060512.D
 Acq: 23 Aug 2024 13:55

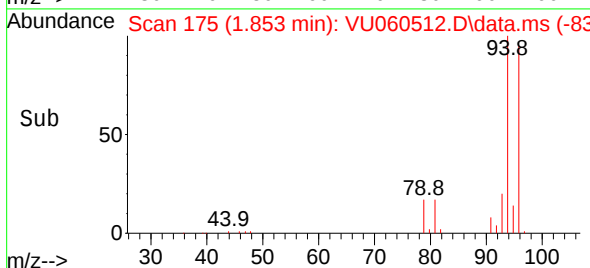
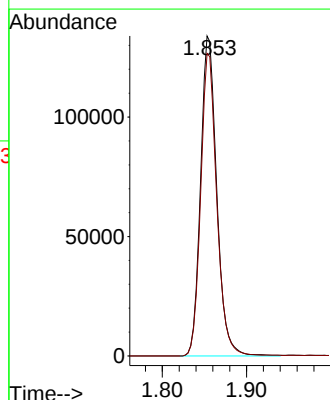
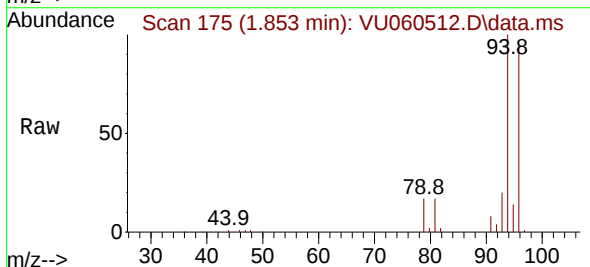
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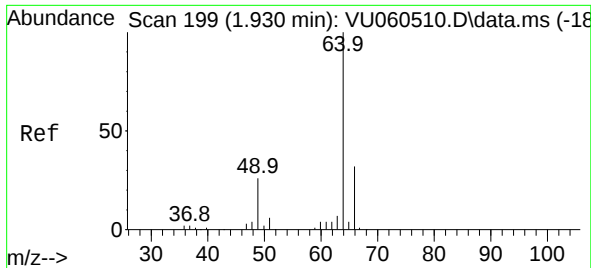
Tgt Ion: 62 Resp: 175683
 Ion Ratio Lower Upper
 62 100
 64 32.4 22.0 40.8



#6
 Bromomethane
 Concen: 17.698 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.003 min
 Lab File: VU060512.D
 Acq: 23 Aug 2024 13:55

Tgt Ion: 94 Resp: 179403
 Ion Ratio Lower Upper
 94 100
 96 94.5 63.3 117.5

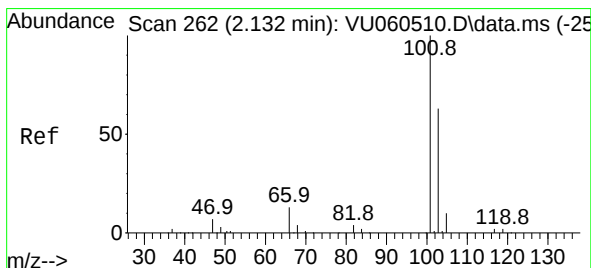
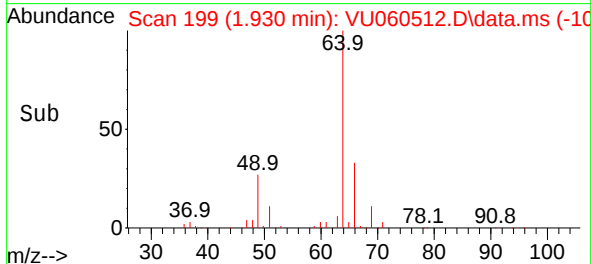
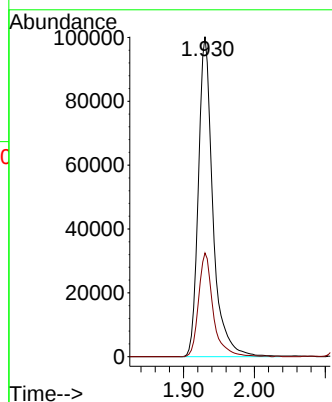
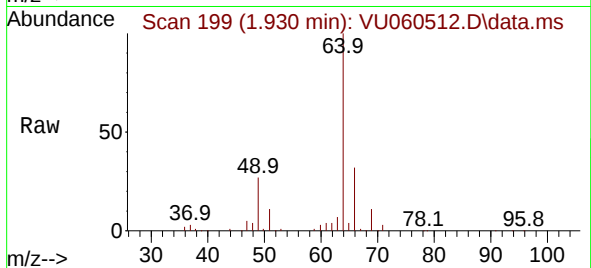




#8
Chloroethane
Concen: 15.485 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

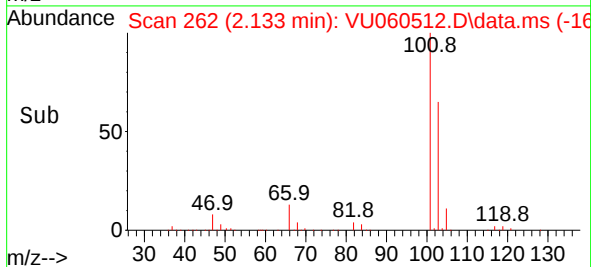
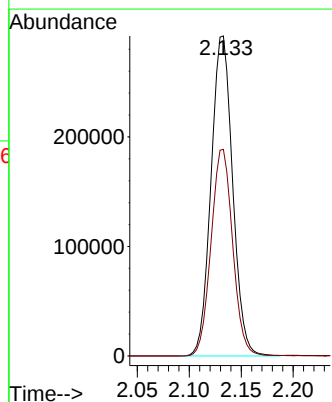
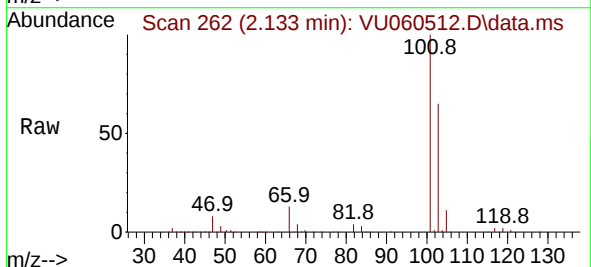
Instrument :
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ClientSampleId :

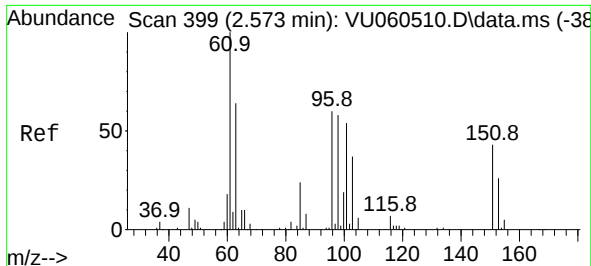
Tgt Ion: 64 Resp: 142314
Ion Ratio Lower Upper
64 100
66 32.4 22.5 41.9



#9
Trichlorofluoromethane
Concen: 19.290 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

Tgt Ion:101 Resp: 422410
Ion Ratio Lower Upper
101 100
103 64.6 51.4 77.2

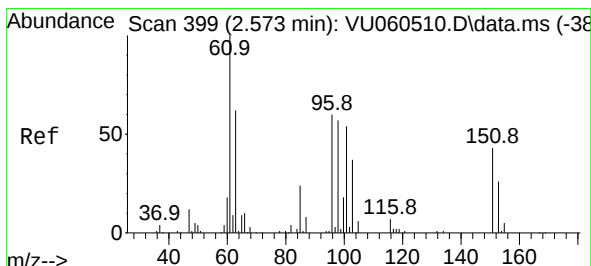
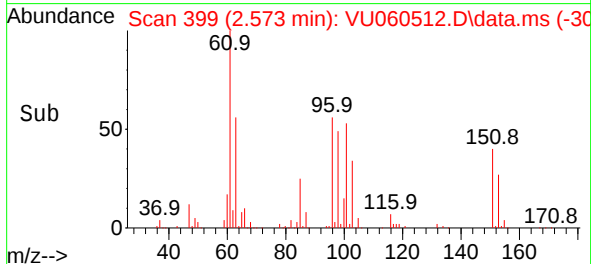
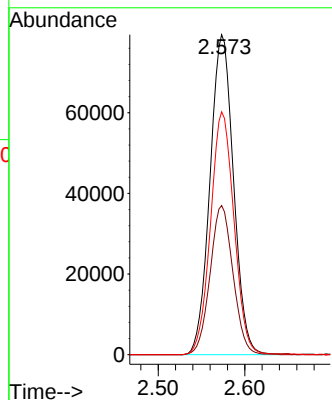
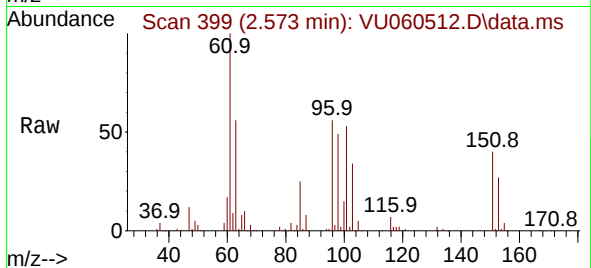




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 16.163 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

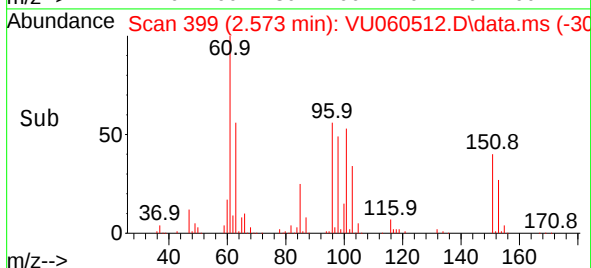
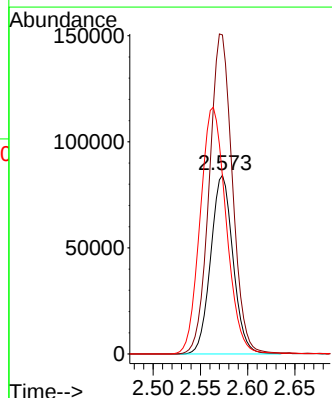
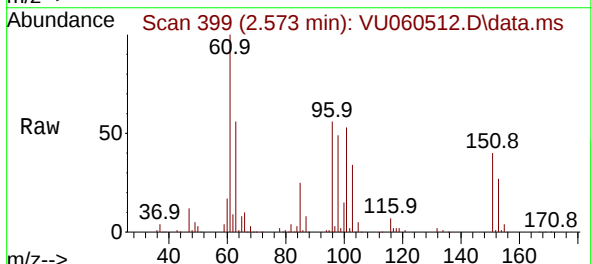
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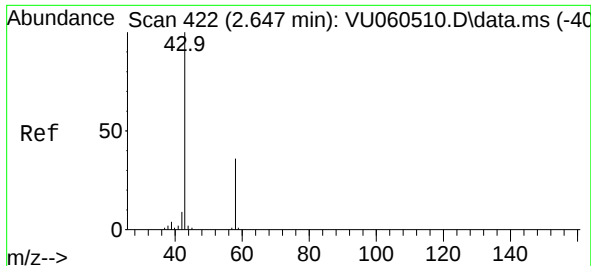
Tgt Ion:101 Resp: 149742
Ion Ratio Lower Upper
101 100
85 45.5 35.8 53.6
151 75.7 61.7 92.5



#12
1,1-Dichloroethene
Concen: 16.177 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

Tgt Ion: 96 Resp: 137937
Ion Ratio Lower Upper
96 100
61 178.5 116.4 216.2
63 99.5 74.8 139.0





#13

Acetone

Concen: 171.625 ug/L

RT: 2.644 min Scan# 41

Delta R.T. -0.003 min MSVOA_U

Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

Instrument :

MSVOA_U

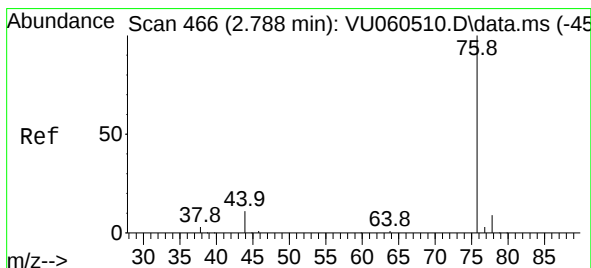
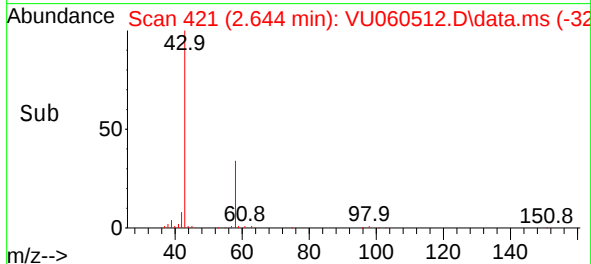
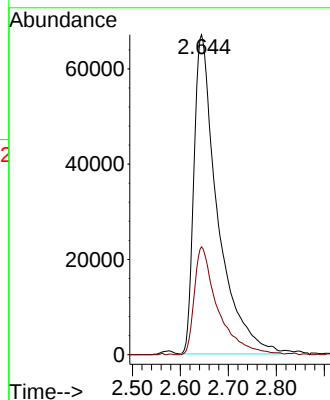
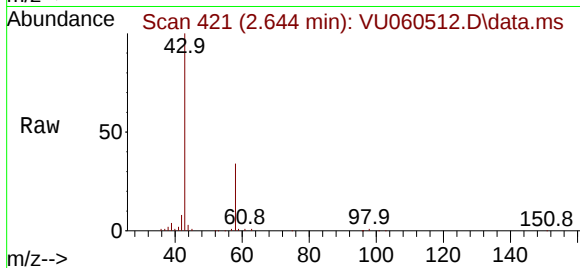
ClientSampleId :

Tgt Ion: 43 Resp: 228867

Ion Ratio Lower Upper

43 100

58 33.6 0.0 66.8



#14

Carbon disulfide

Concen: 16.929 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU060512.D

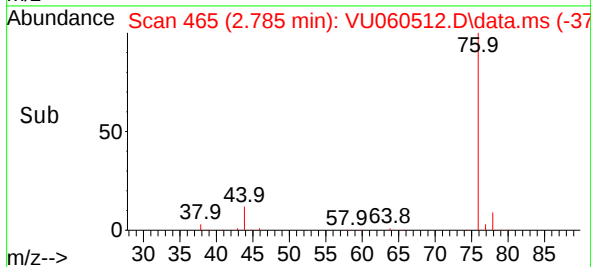
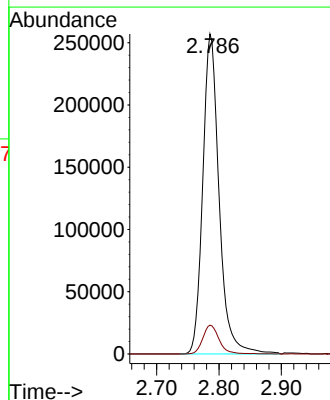
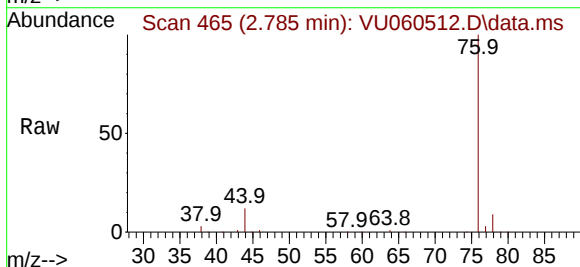
Acq: 23 Aug 2024 13:55

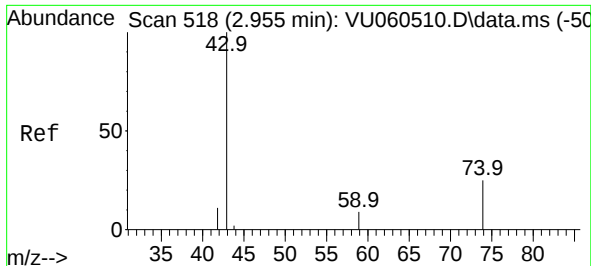
Tgt Ion: 76 Resp: 468426

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2





#15

Methyl Acetate

Concen: 21.659 ug/L

RT: 2.953 min Scan# 517

Delta R.T. -0.003 min

Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

Instrument :

MSVOA_U

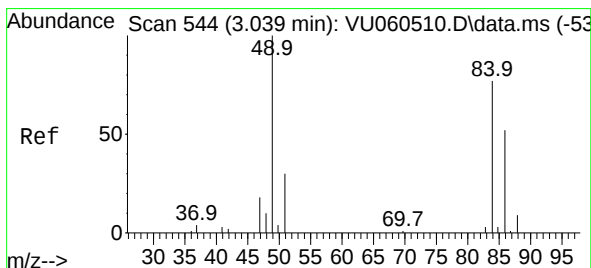
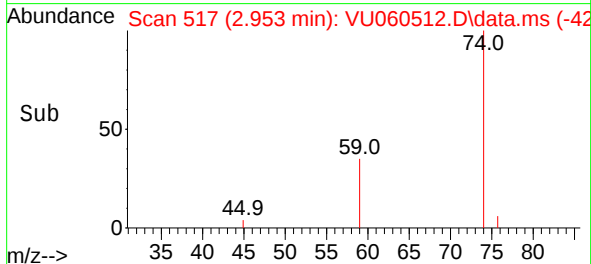
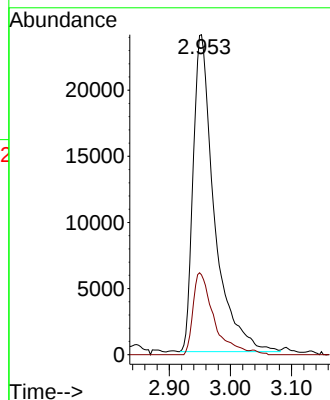
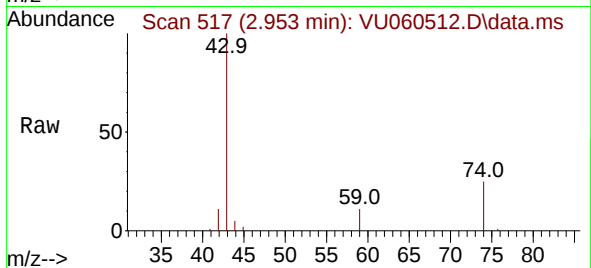
ClientSampleId :

Tgt Ion: 43 Resp: 57628

Ion Ratio Lower Upper

43 100

74 25.2 21.4 32.2



#16

Methylene chloride

Concen: 18.432 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

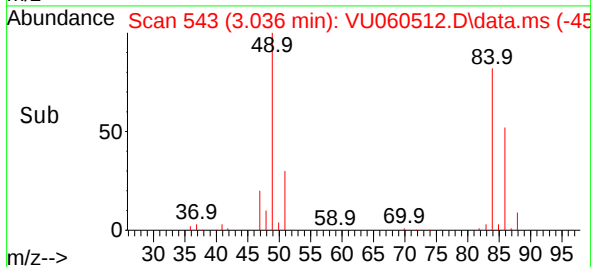
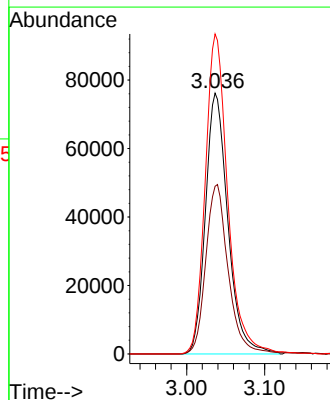
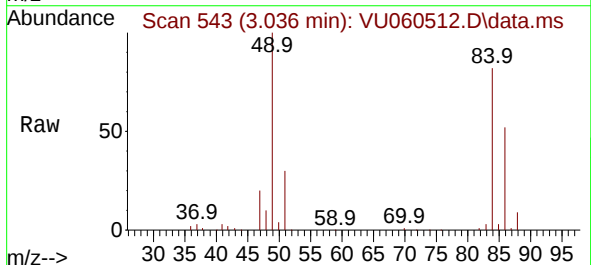
Tgt Ion: 84 Resp: 152662

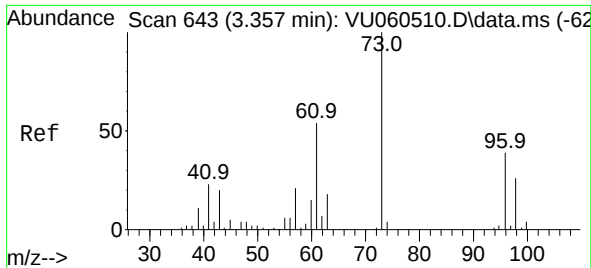
Ion Ratio Lower Upper

84 100

86 64.3 47.5 88.3

49 122.7 94.4 175.2





#17

Methyl tert-butyl Ether

Concen: 21.216 ug/L

RT: 3.358 min Scan# 643

Delta R.T. 0.000 min

Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

Instrument :

MSVOA_U

ClientSampleId :

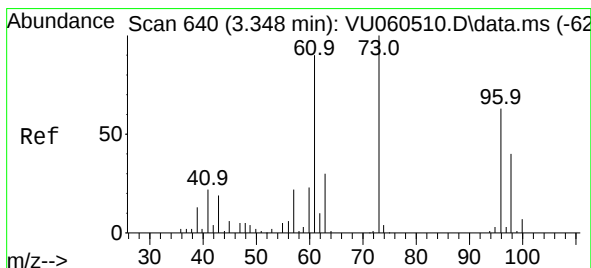
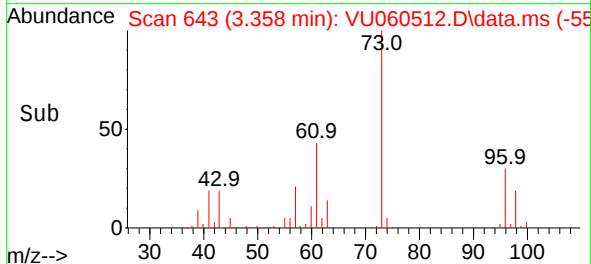
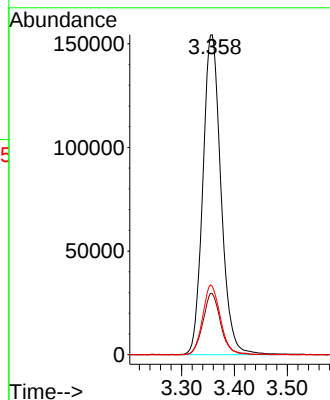
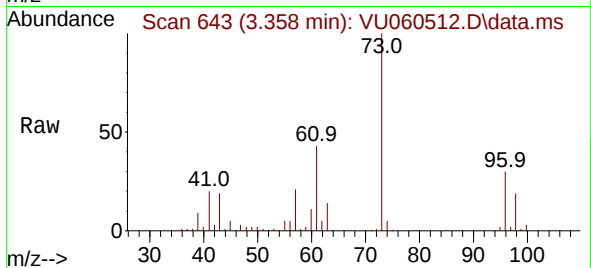
Tgt Ion: 73 Resp: 367155

Ion Ratio Lower Upper

73 100

43 18.6 15.8 23.6

57 21.3 16.8 25.2



#18

trans-1,2-Dichloroethene

Concen: 20.089 ug/L

RT: 3.345 min Scan# 639

Delta R.T. -0.003 min

Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

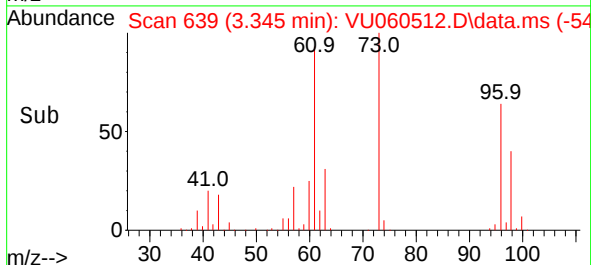
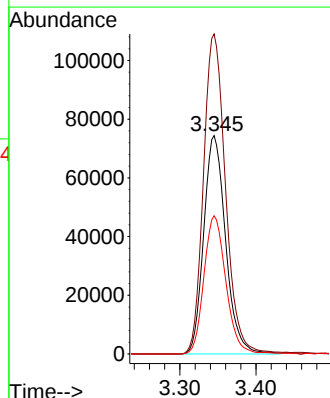
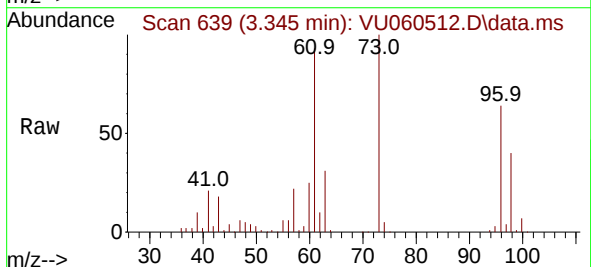
Tgt Ion: 96 Resp: 149122

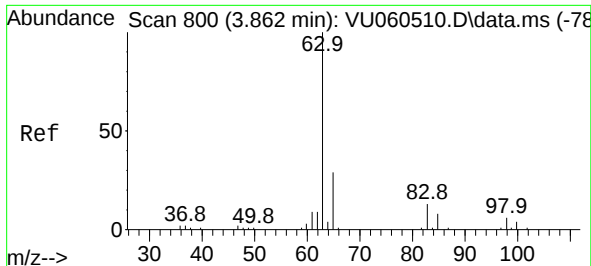
Ion Ratio Lower Upper

96 100

61 146.5 99.2 184.2

98 63.3 44.0 81.8

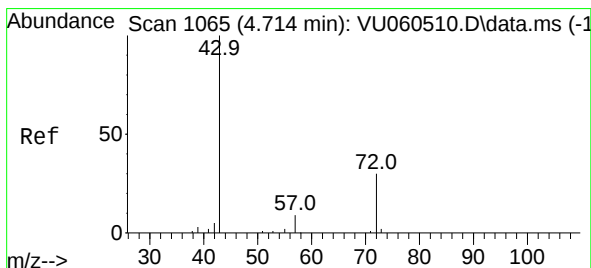
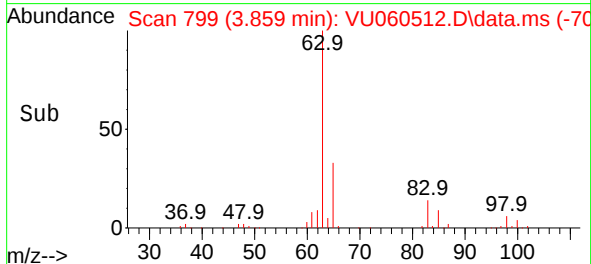
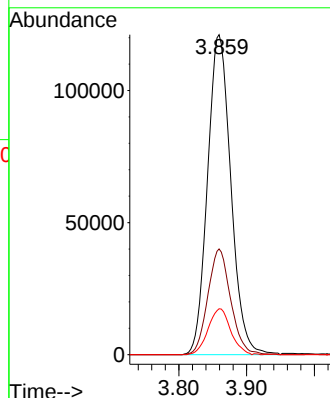
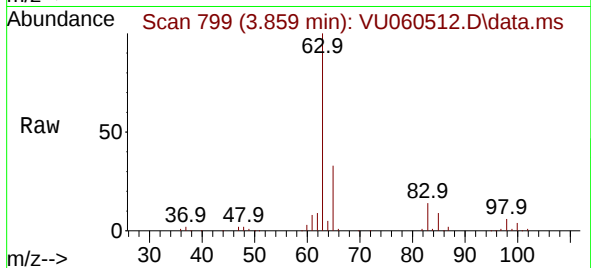




#19
1,1-Dichloroethane
Concen: 19.273 ug/L
RT: 3.859 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

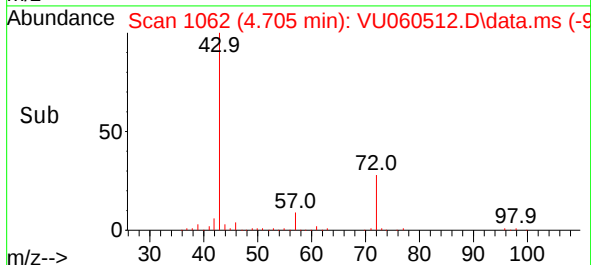
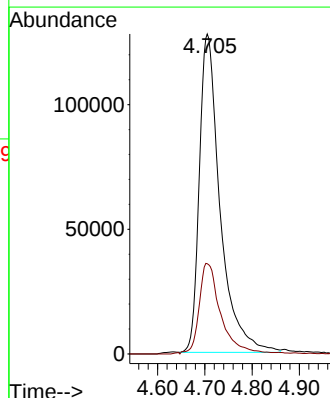
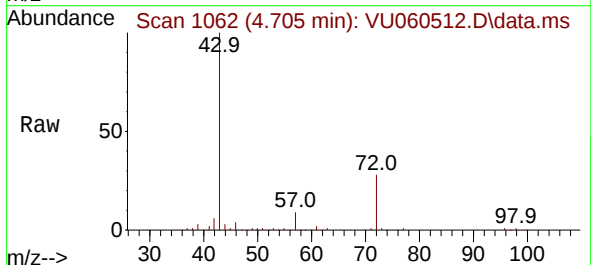
Instrument :
MSVOA_U
ClientSampleId :

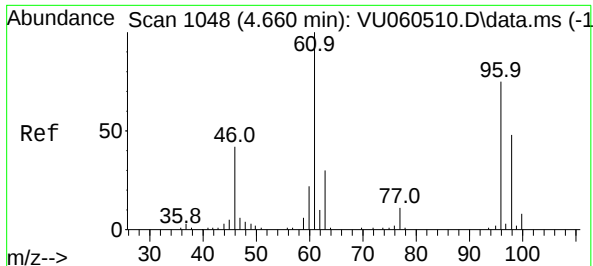
Tgt Ion: 63 Resp: 289937
Ion Ratio Lower Upper
63 100
65 33.1 20.5 38.1
83 14.3 9.2 17.2



#21
2-Butanone
Concen: 215.388 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. -0.009 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

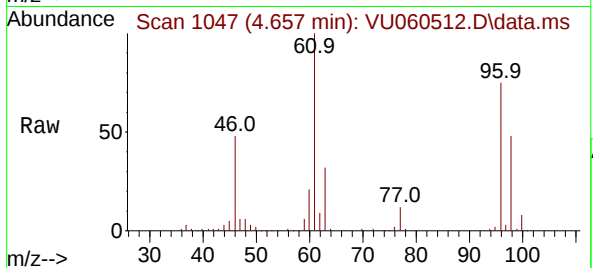
Tgt Ion: 43 Resp: 389476
Ion Ratio Lower Upper
43 100
72 29.5 14.0 42.0



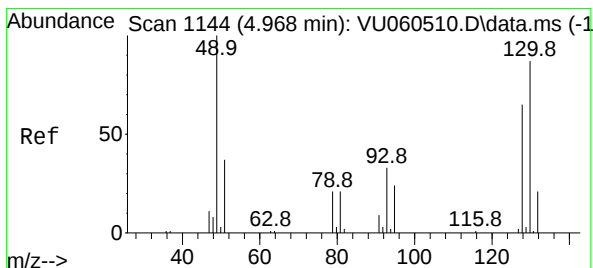
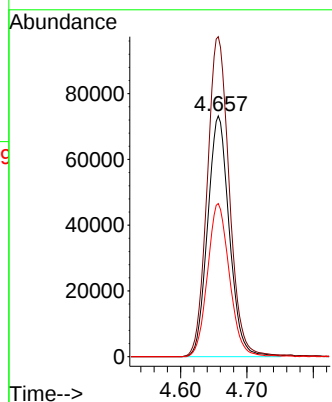
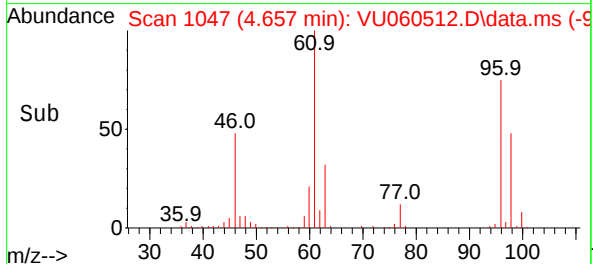


#22
cis-1,2-Dichloroethene
Concen: 20.113 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

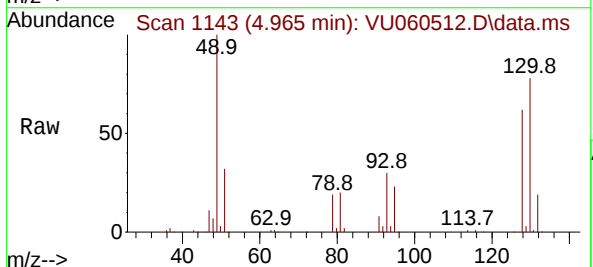
Instrument :
MSVOA_U
ClientSampleId :



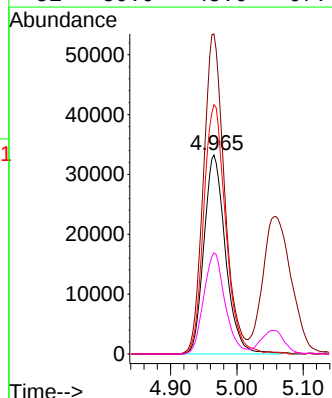
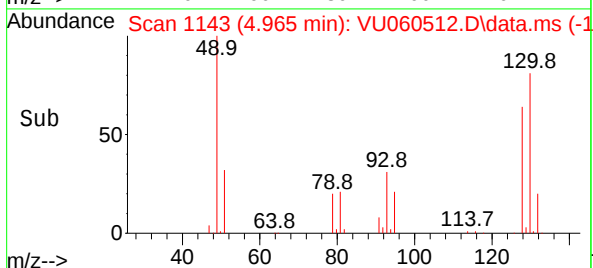
Tgt Ion: 96 Resp: 166372
Ion Ratio Lower Upper
96 100
61 132.9 92.9 172.5
98 63.6 45.0 83.6

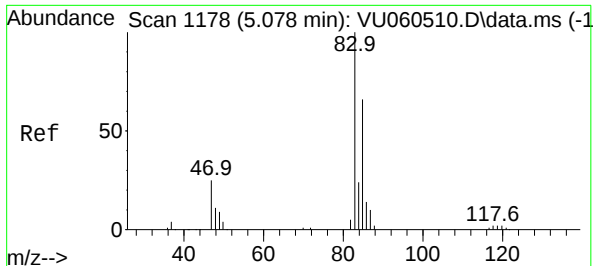


#23
Bromochloromethane
Concen: 19.965 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.003 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55



Tgt Ion:128 Resp: 75054
Ion Ratio Lower Upper
128 100
49 166.0 108.1 200.7
130 125.4 93.1 172.9
51 50.9 45.0 67.4





#25

Chloroform

Concen: 19.286 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

Instrument :

MSVOA_U

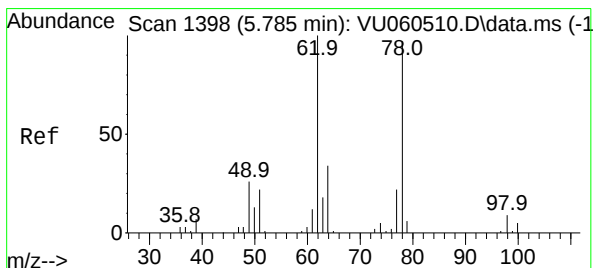
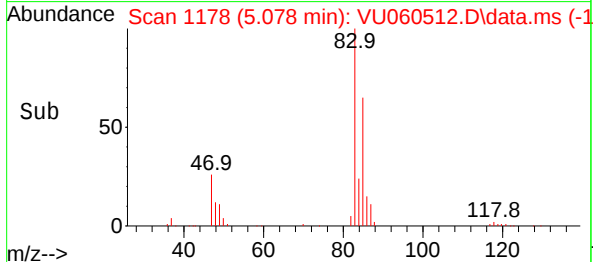
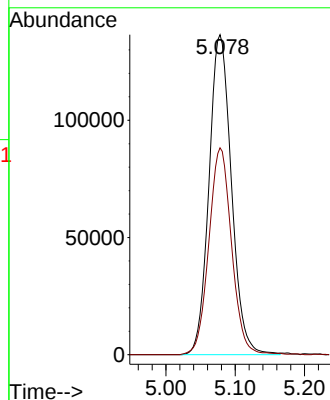
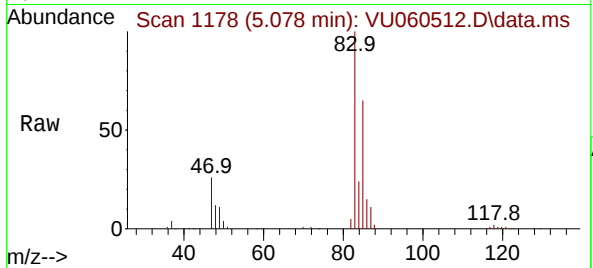
ClientSampleId :

Tgt Ion: 83 Resp: 307053

Ion Ratio Lower Upper

83 100

85 64.6 46.4 86.2



#27

1,2-Dichloroethane

Concen: 19.123 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU060512.D

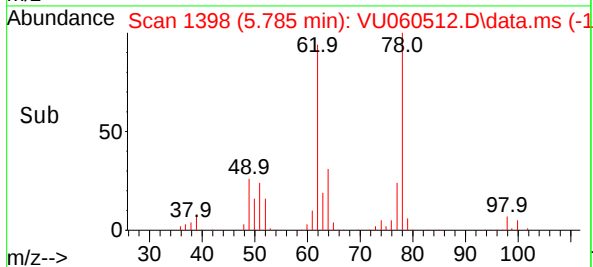
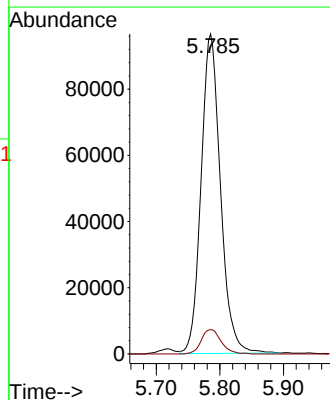
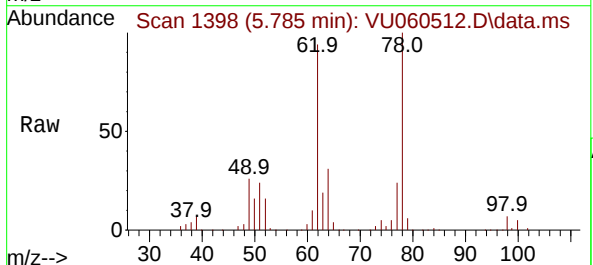
Acq: 23 Aug 2024 13:55

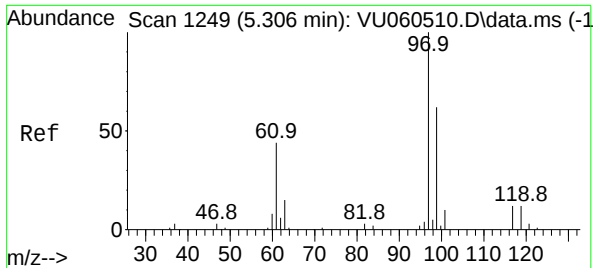
Tgt Ion: 62 Resp: 204340

Ion Ratio Lower Upper

62 100

98 7.6 7.0 10.4

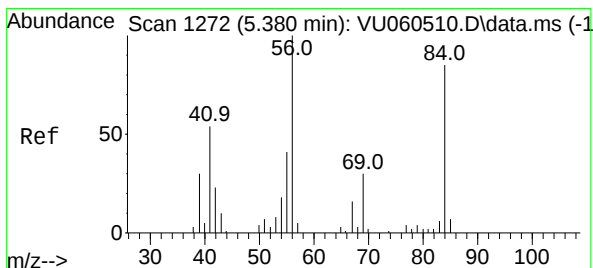
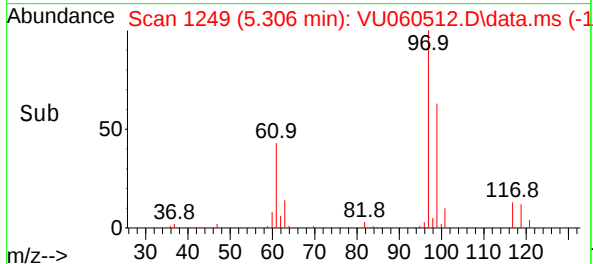
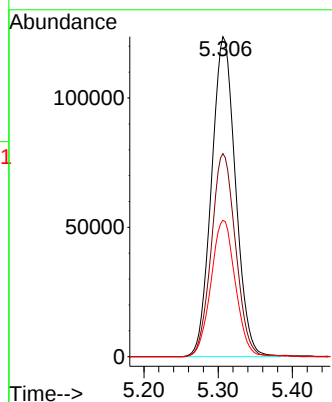
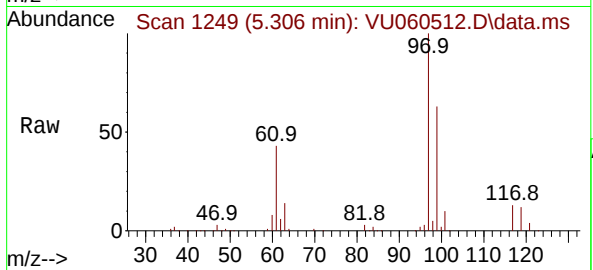




#29
1,1,1-Trichloroethane
Concen: 18.880 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

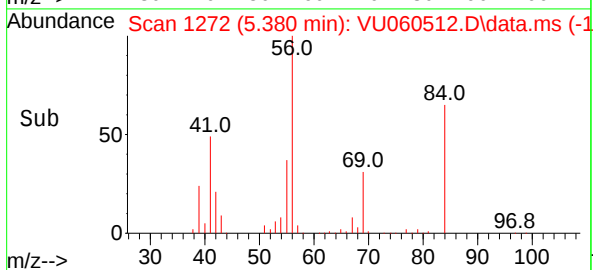
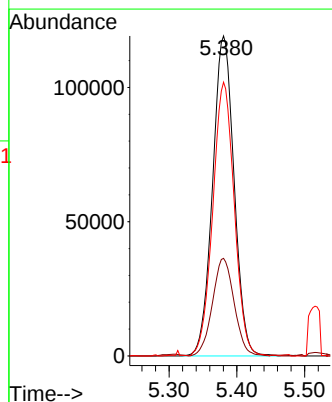
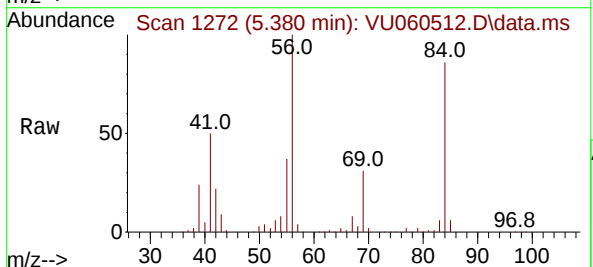
Instrument :
MSVOA_U
ClientSampleId :

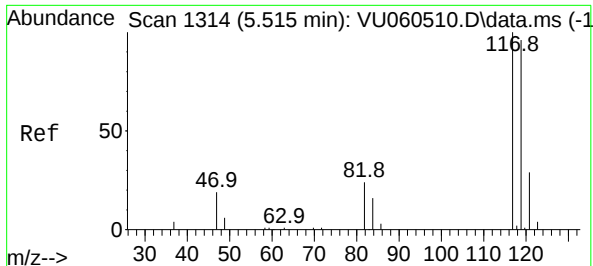
Tgt Ion: 97 Resp: 278061
Ion Ratio Lower Upper
97 100
99 64.3 49.7 74.5
61 43.6 35.4 53.2



#30
Cyclohexane
Concen: 21.557 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

Tgt Ion: 56 Resp: 262843
Ion Ratio Lower Upper
56 100
69 30.6 24.2 36.2
84 85.5 69.7 104.5

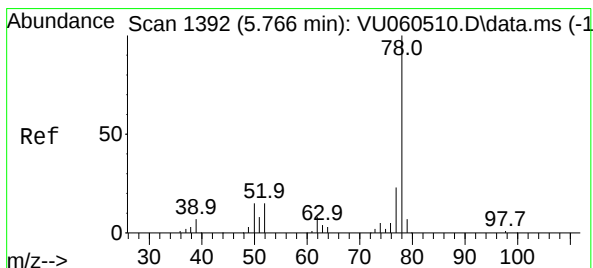
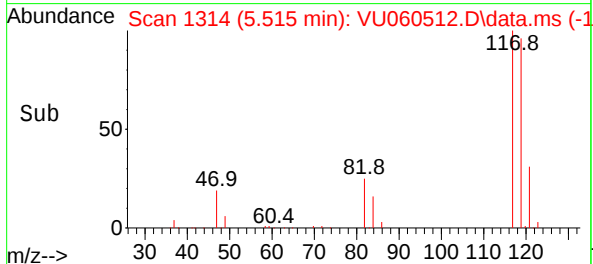
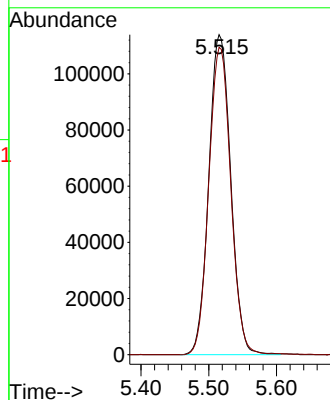
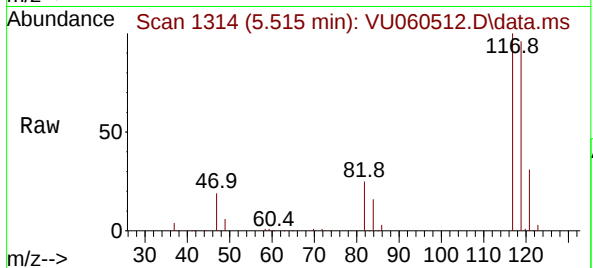




#31
Carbon tetrachloride
Concen: 18.850 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

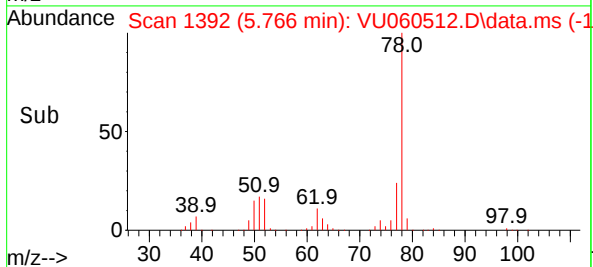
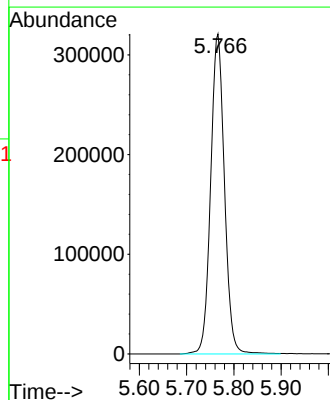
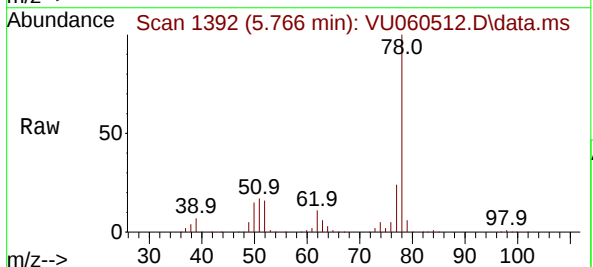
Instrument :
MSVOA_U
ClientSampleId :

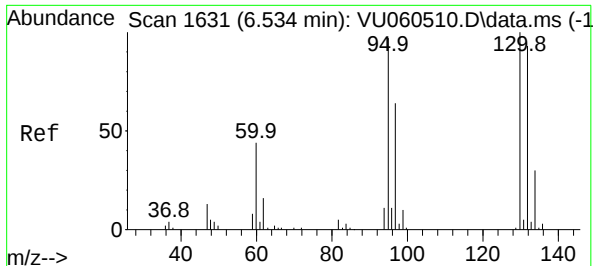
Tgt Ion:117 Resp: 256566
Ion Ratio Lower Upper
117 100
119 96.0 76.4 114.6



#33
Benzene
Concen: 19.087 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

Tgt Ion: 78 Resp: 650951





#34

Trichloroethene

Concen: 19.095 ug/L

RT: 6.535 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 176522

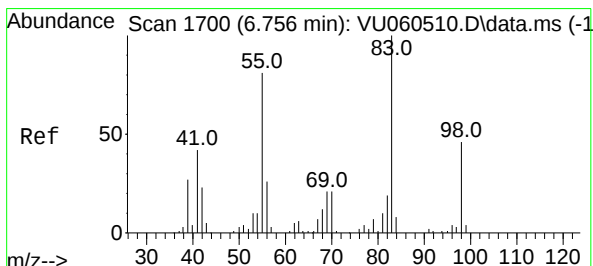
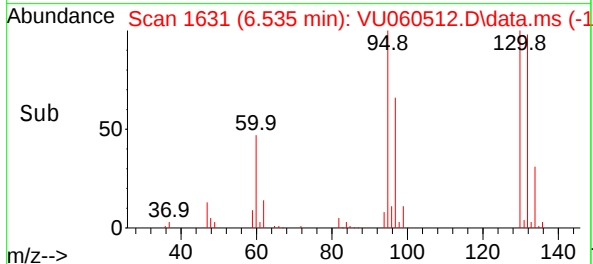
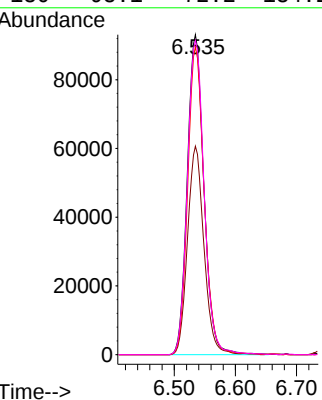
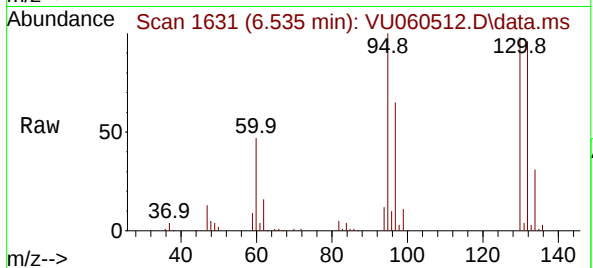
Ion Ratio Lower Upper

95 100

97 65.1 45.8 85.2

132 96.2 67.4 125.2

130 98.1 72.2 134.2



#35

Methylcyclohexane

Concen: 21.914 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

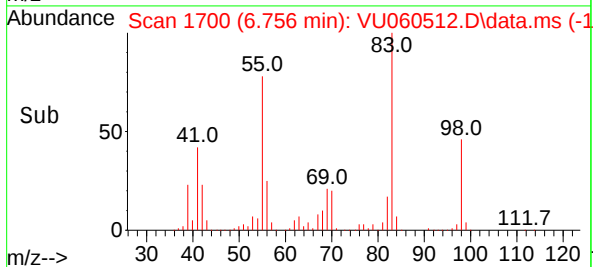
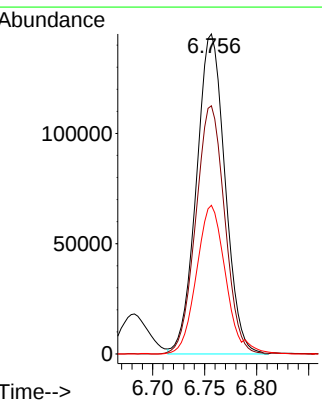
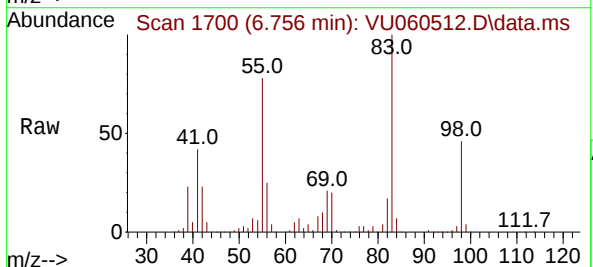
Tgt Ion: 83 Resp: 277959

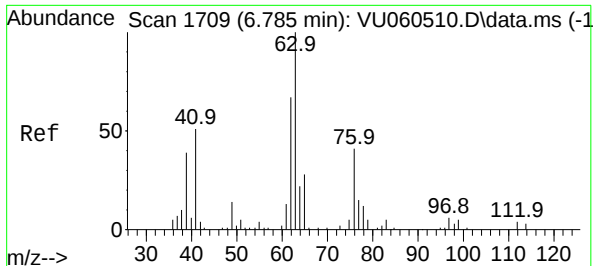
Ion Ratio Lower Upper

83 100

55 78.5 65.8 98.8

98 47.4 37.8 56.8

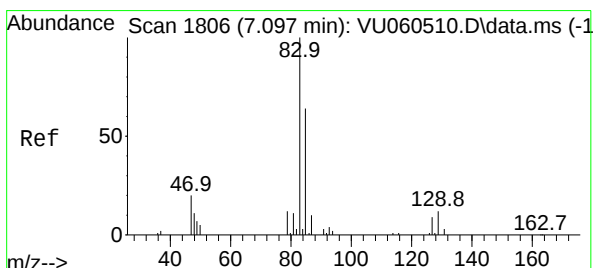
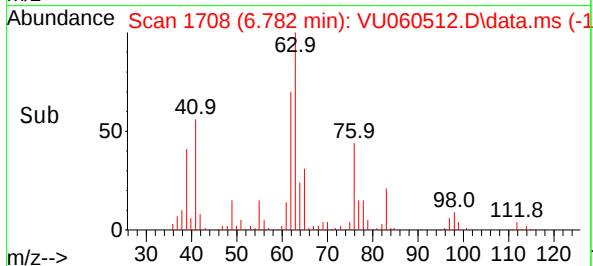
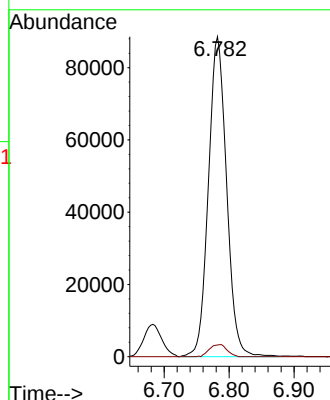
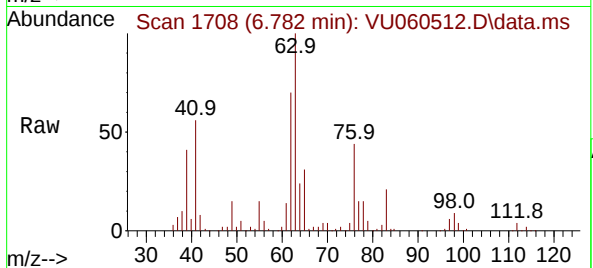




#37
1,2-Dichloropropane
Concen: 19.726 ug/L
RT: 6.782 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

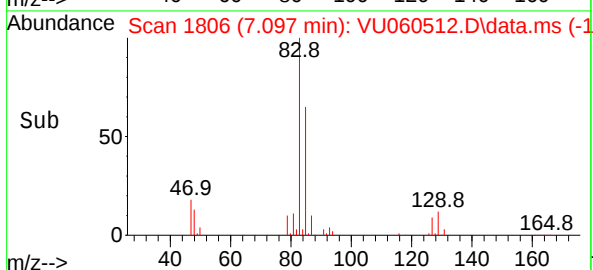
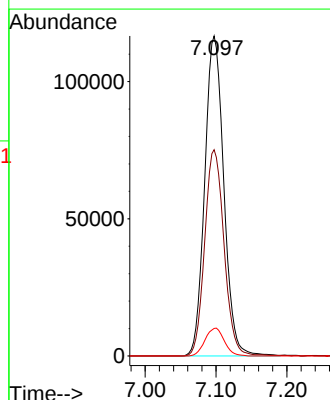
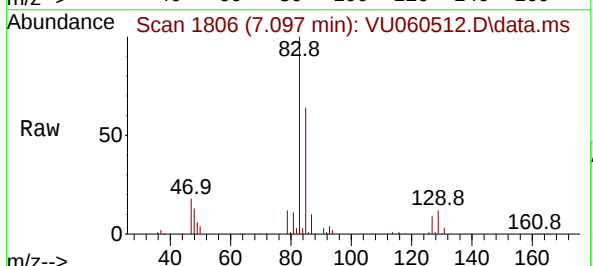
Instrument :
MSVOA_U
ClientSampleId :

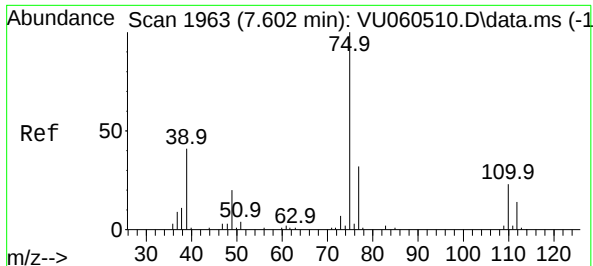
Tgt Ion: 63 Resp: 172383
Ion Ratio Lower Upper
63 100
112 3.7 2.3 3.5#



#38
Bromodichloromethane
Concen: 19.029 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

Tgt Ion: 83 Resp: 218511
Ion Ratio Lower Upper
83 100
85 64.4 44.9 83.5
127 8.6 7.3 10.9

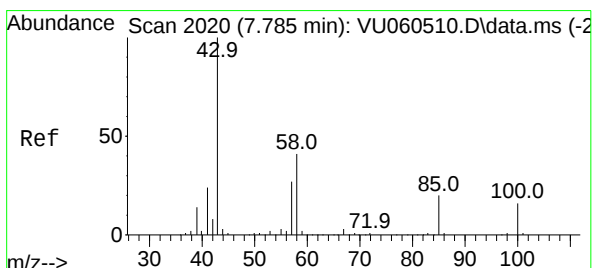
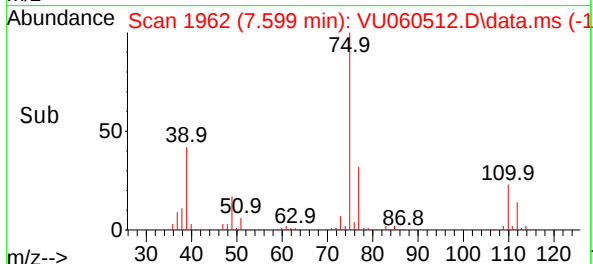
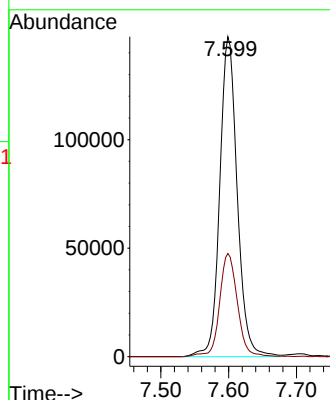
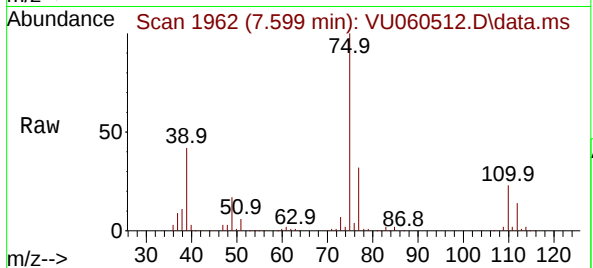




#39
cis-1,3-Dichloropropene
Concen: 20.602 ug/L
RT: 7.599 min Scan# 1962
Delta R.T. -0.003 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

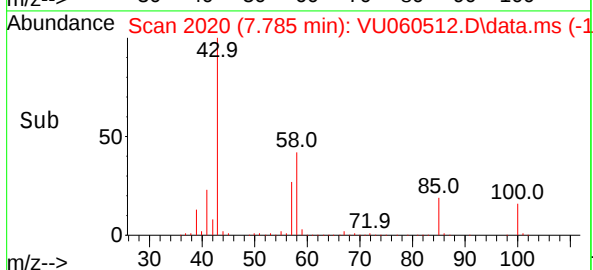
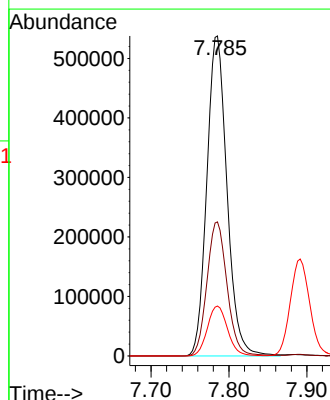
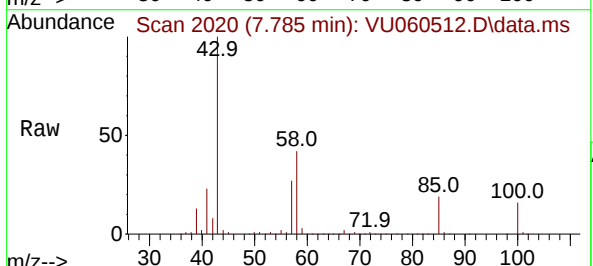
Instrument :
MSVOA_U
ClientSampleId :

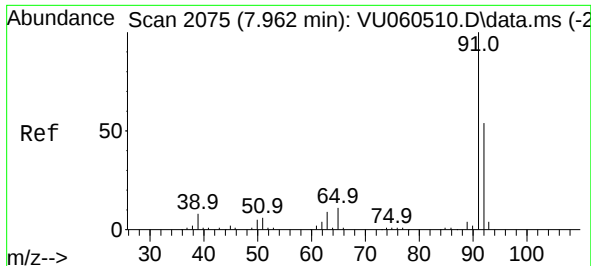
Tgt Ion: 75 Resp: 263975
Ion Ratio Lower Upper
75 100
77 32.3 22.1 41.1



#40
4-Methyl-2-pentanone
Concen: 212.616 ug/L
RT: 7.785 min Scan# 2020
Delta R.T. 0.000 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

Tgt Ion: 43 Resp: 967667
Ion Ratio Lower Upper
43 100
58 41.8 32.5 48.7
100 15.7 12.5 18.7





#42

Toluene

Concen: 20.169 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

Instrument :

MSVOA_U

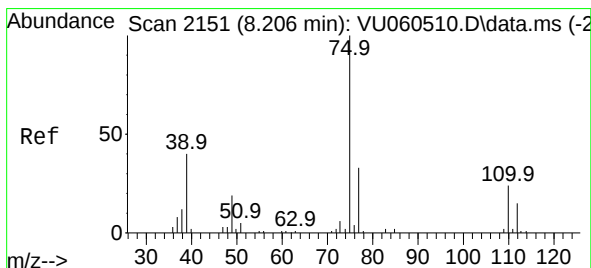
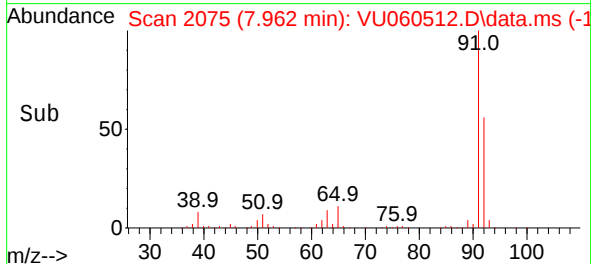
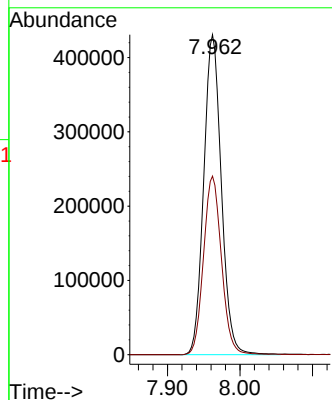
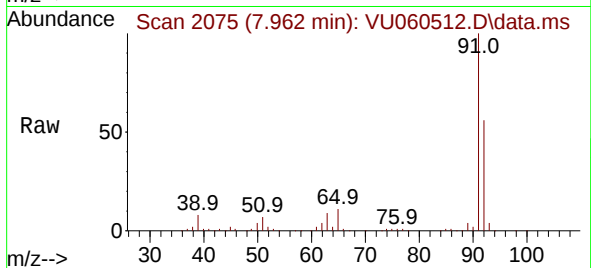
ClientSampleId :

Tgt Ion: 91 Resp: 726889

Ion Ratio Lower Upper

91 100

92 55.8 38.0 70.6



#44

trans-1,3-Dichloropropene

Concen: 21.497 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU060512.D

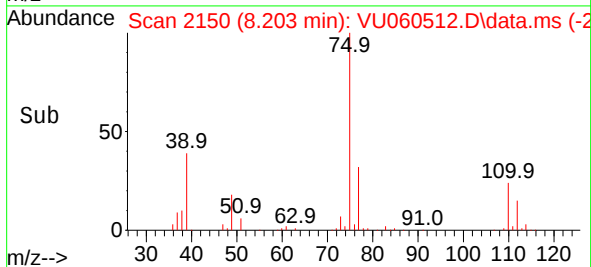
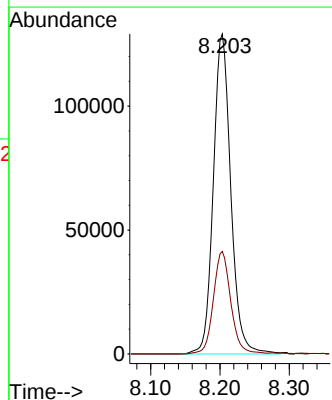
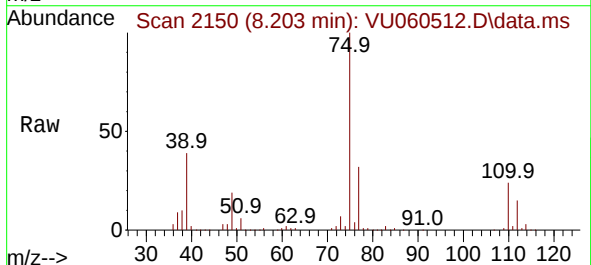
Acq: 23 Aug 2024 13:55

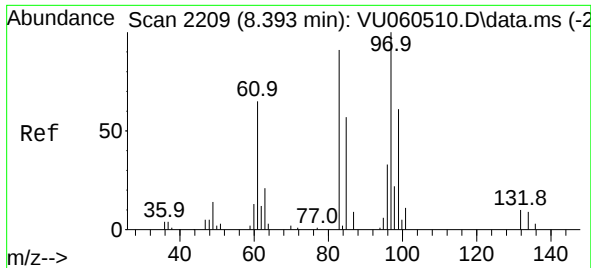
Tgt Ion: 75 Resp: 226126

Ion Ratio Lower Upper

75 100

77 32.0 23.4 43.6

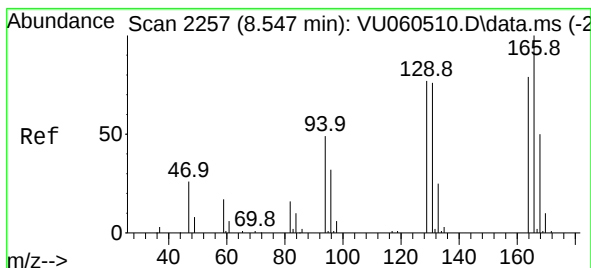
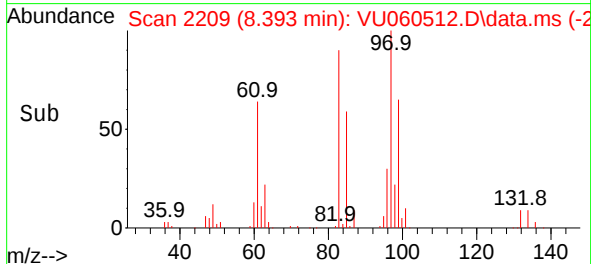
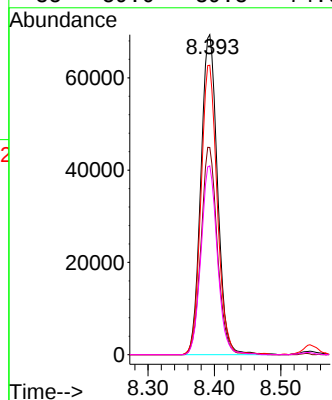
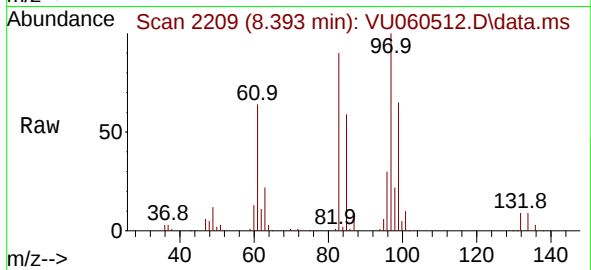




#45
1,1,2-Trichloroethane
Concen: 19.051 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

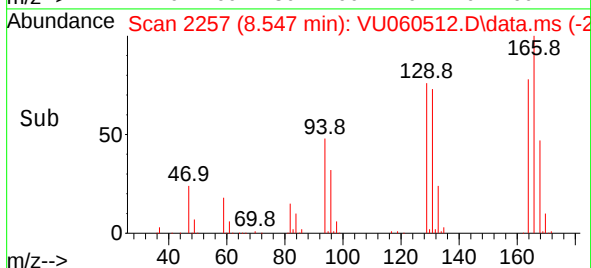
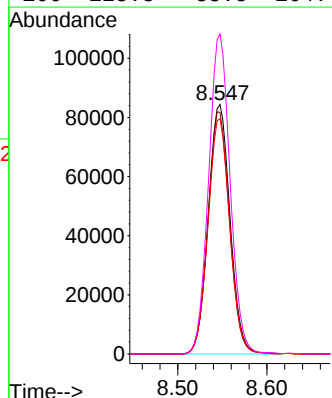
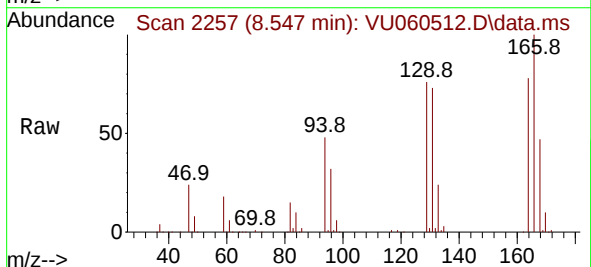
Instrument :
MSVOA_U
ClientSampleId :

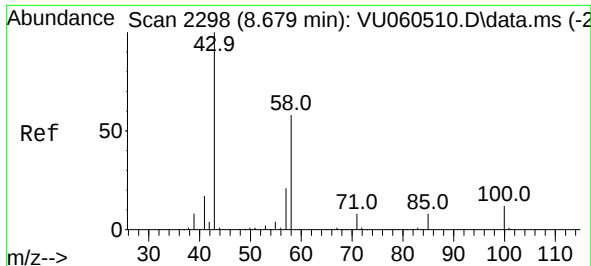
Tgt Ion:	97	Resp:	120601
Ion	Ratio	Lower	Upper
97	100		
99	64.8	42.4	78.8
83	90.5	64.0	119.0
85	59.0	39.8	74.0



#47
Tetrachloroethene
Concen: 18.894 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

Tgt Ion:	164	Resp:	143165
Ion	Ratio	Lower	Upper
164	100		
129	96.8	67.8	125.8
131	94.2	67.2	124.8
166	128.3	88.5	164.4





#48

2-Hexanone

Concen: 218.700 ug/L

RT: 8.679 min Scan# 2298

Delta R.T. 0.000 min

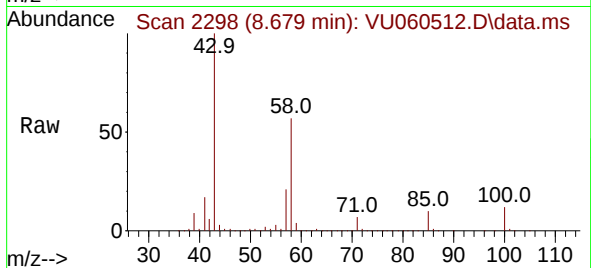
Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 731352

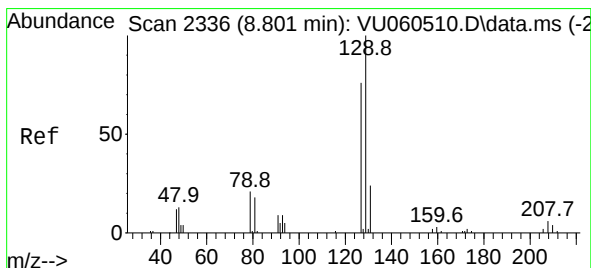
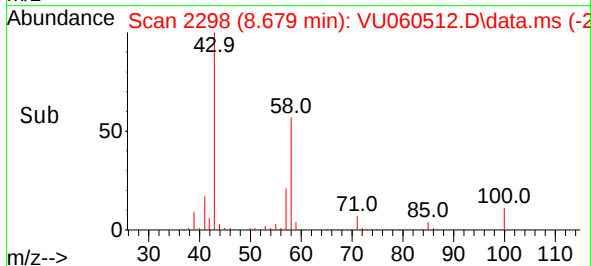
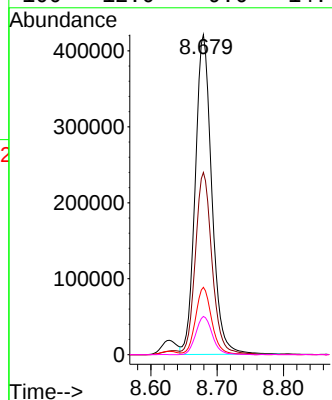
Ion Ratio Lower Upper

43 100

58 57.7 45.6 68.4

57 20.8 15.6 23.4

100 12.0 9.6 14.4



#49

Dibromochloromethane

Concen: 20.578 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU060512.D

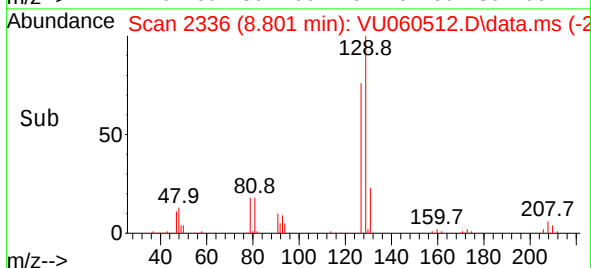
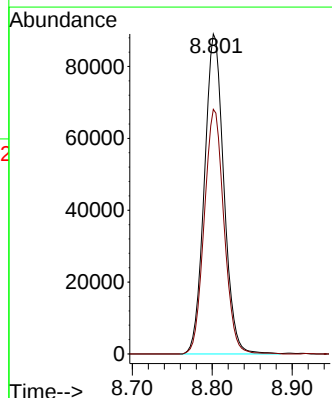
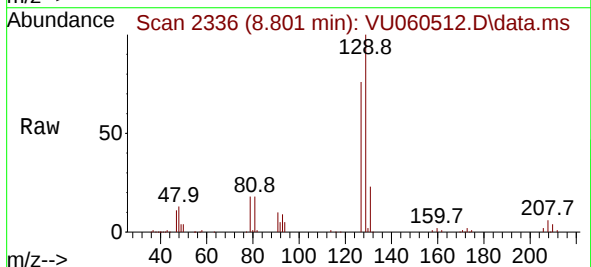
Acq: 23 Aug 2024 13:55

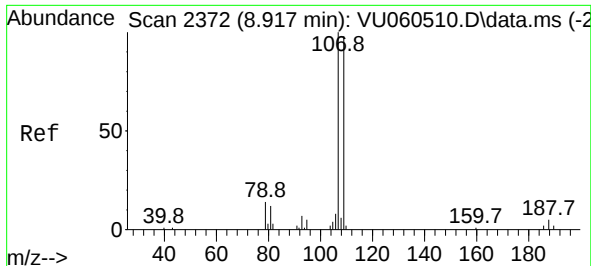
Tgt Ion: 129 Resp: 150816

Ion Ratio Lower Upper

129 100

127 76.5 53.0 98.4





#50

1,2-Dibromoethane

Concen: 20.151 ug/L

RT: 8.917 min Scan# 24

Delta R.T. 0.000 min

Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

Instrument :

MSVOA_U

ClientSampleId :

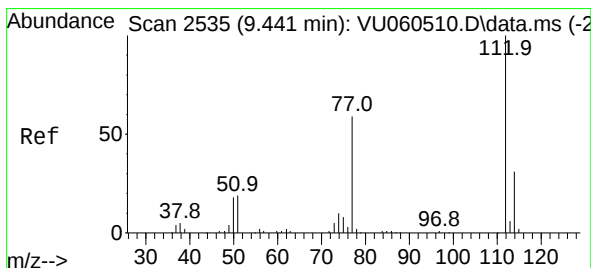
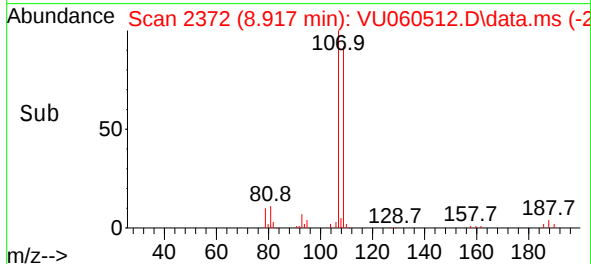
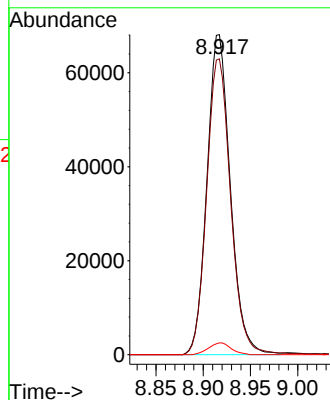
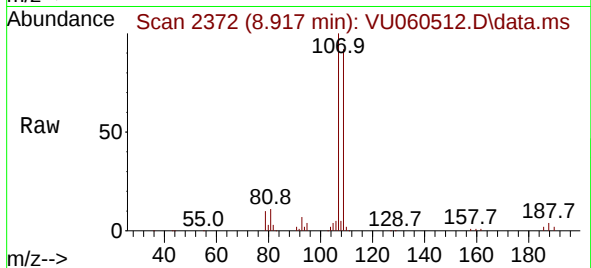
Tgt Ion:107 Resp: 117110

Ion Ratio Lower Upper

107 100

109 92.4 68.5 127.3

188 3.7 3.9 5.9#



#51

Chlorobenzene

Concen: 19.695 ug/L

RT: 9.438 min Scan# 2534

Delta R.T. -0.003 min

Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

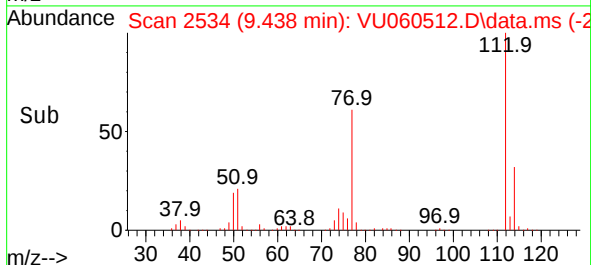
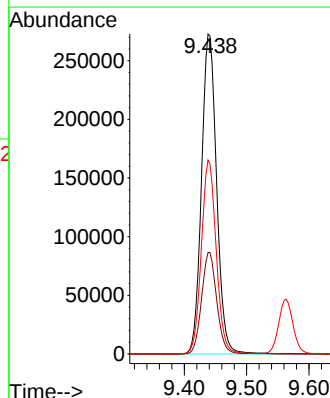
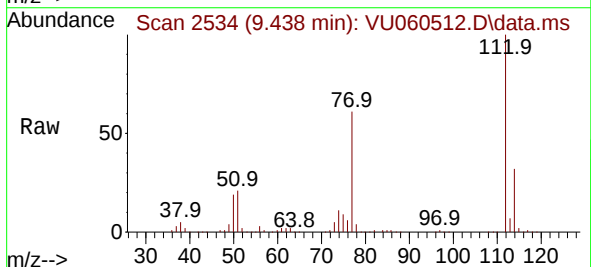
Tgt Ion:112 Resp: 459501

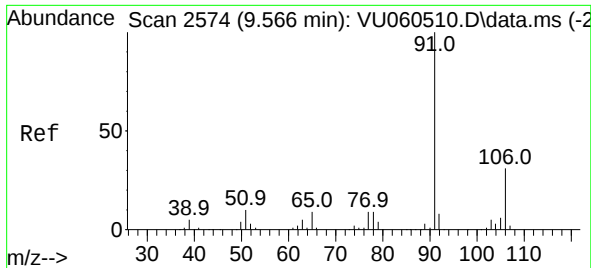
Ion Ratio Lower Upper

112 100

114 31.7 21.9 40.7

77 60.6 47.4 71.2

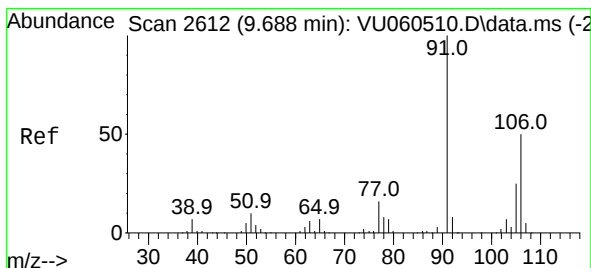
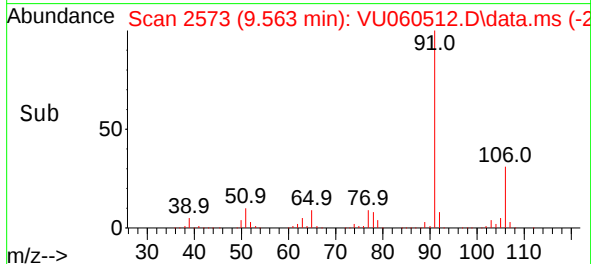
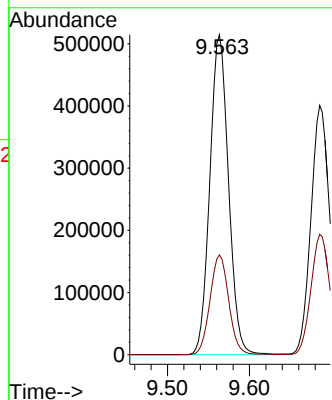
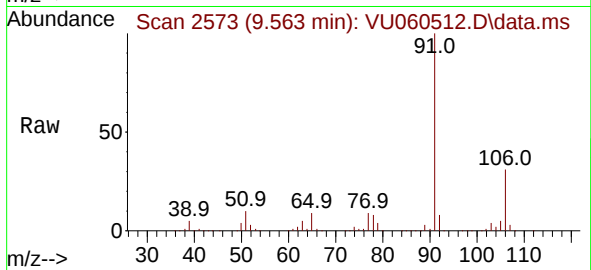




#52
Ethylbenzene
Concen: 21.340 ug/L
RT: 9.563 min Scan# 2574
Delta R.T. -0.003 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

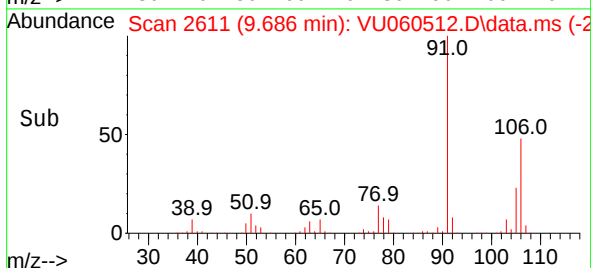
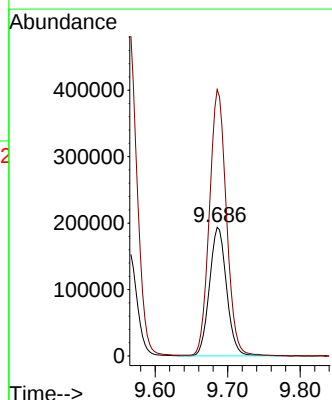
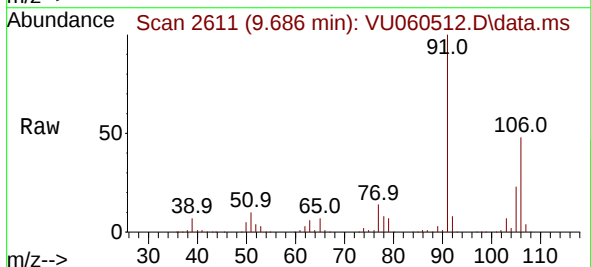
Instrument :
MSVOA_U
ClientSampleId :

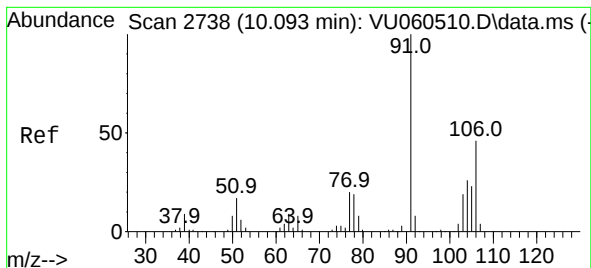
Tgt Ion: 91 Resp: 815042
Ion Ratio Lower Upper
91 100
106 31.2 21.9 40.7



#53
m,p-Xylene
Concen: 22.257 ug/L
RT: 9.686 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

Tgt Ion:106 Resp: 316027
Ion Ratio Lower Upper
106 100
91 207.0 141.5 262.9





#54

o-Xylene

Concen: 21.141 ug/L

RT: 10.094 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

Instrument :

MSVOA_U

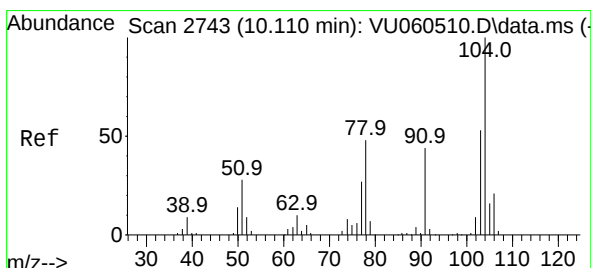
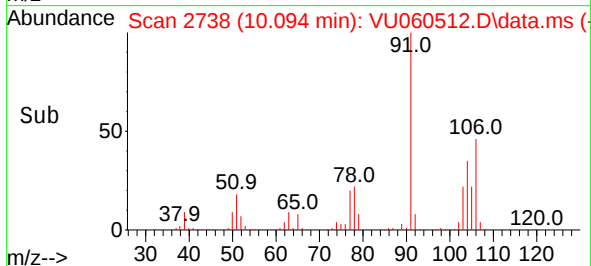
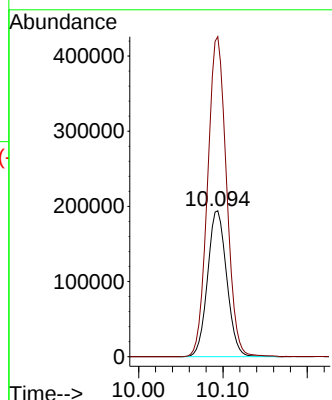
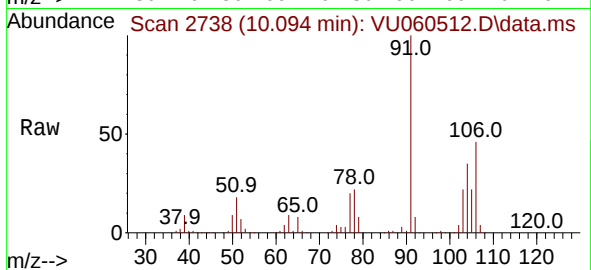
ClientSampleId :

Tgt Ion:106 Resp: 307303

Ion Ratio Lower Upper

106 100

91 219.2 151.1 280.7



#55

Styrene

Concen: 22.176 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. -0.003 min

Lab File: VU060512.D

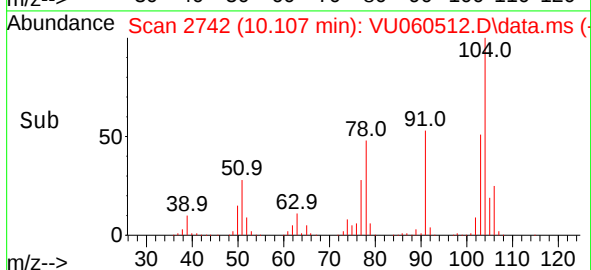
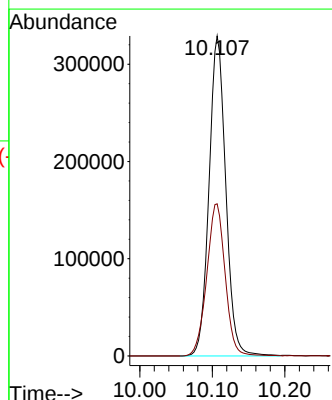
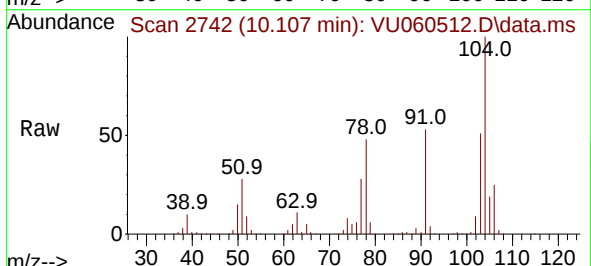
Acq: 23 Aug 2024 13:55

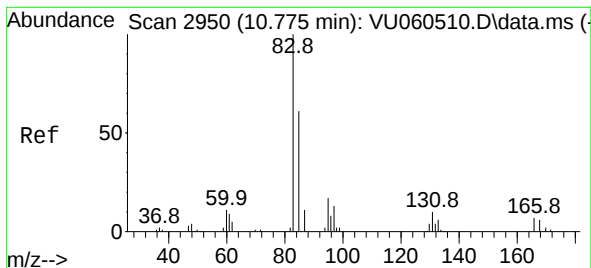
Tgt Ion:104 Resp: 528159

Ion Ratio Lower Upper

104 100

78 47.6 33.3 61.9





#57

1,1,2,2-Tetrachloroethane

Concen: 19.350 ug/L

RT: 10.776 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

Instrument :

MSVOA_U

ClientSampleId :

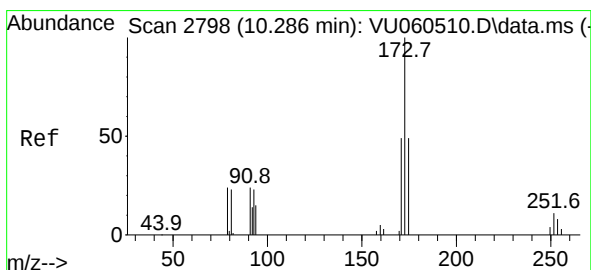
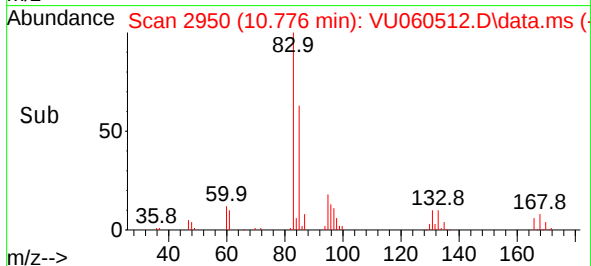
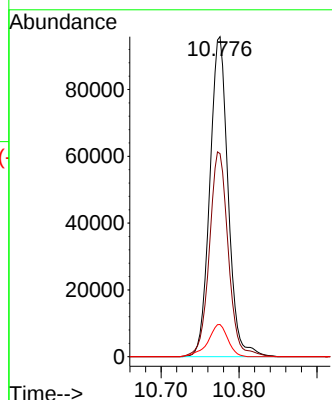
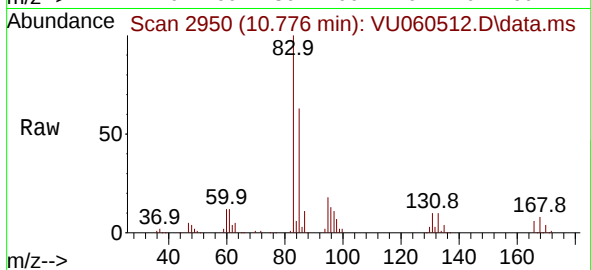
Tgt Ion: 83 Resp: 156397

Ion Ratio Lower Upper

83 100

85 63.5 43.3 80.5

131 10.0 8.9 13.3



#59

Bromoform

Concen: 13.872 ug/L

RT: 10.284 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

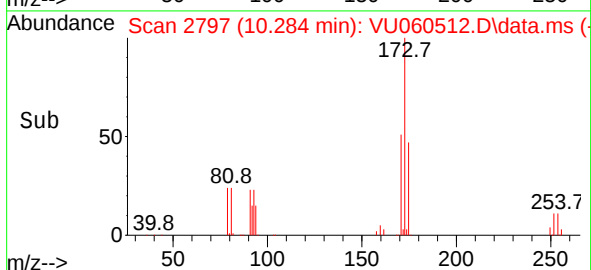
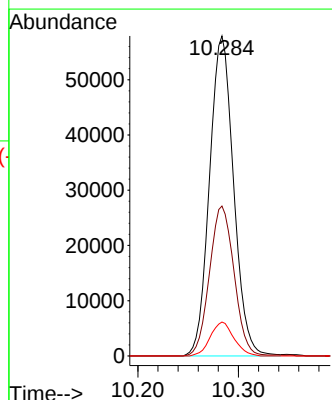
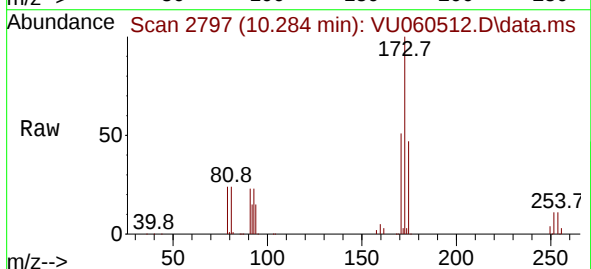
Tgt Ion:173 Resp: 96413

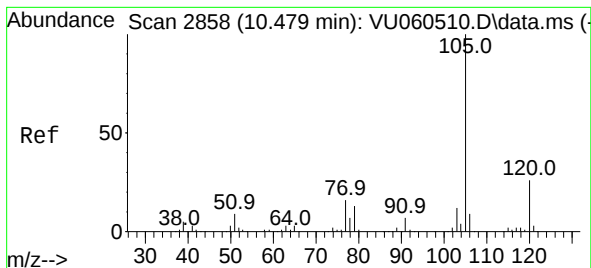
Ion Ratio Lower Upper

173 100

175 47.7 39.8 59.8

254 10.4 8.2 12.2





#60

Isopropylbenzene

Concen: 14.800 ug/L

RT: 10.477 min Scan# 2858

Delta R.T. -0.003 min

Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

Instrument :

MSVOA_U

ClientSampleId :

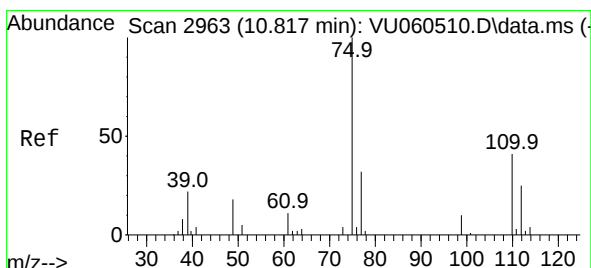
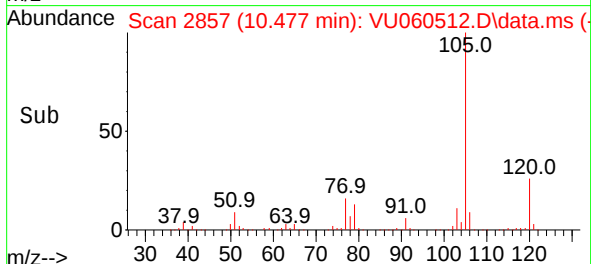
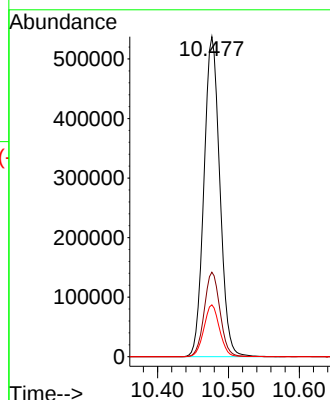
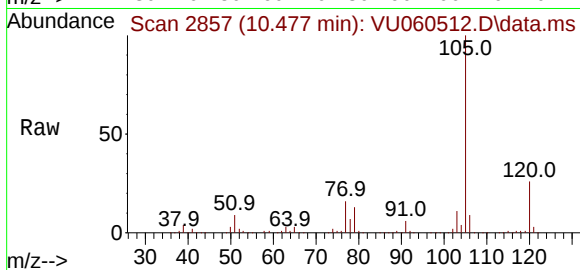
Tgt Ion:105 Resp: 836198

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

77 16.0 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 13.639 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.003 min

Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

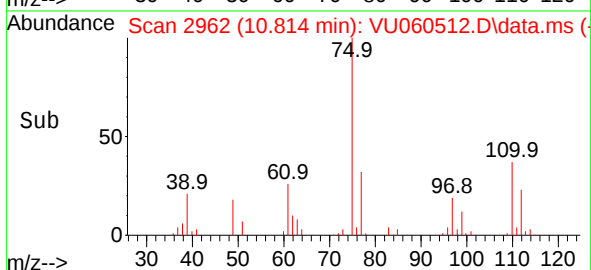
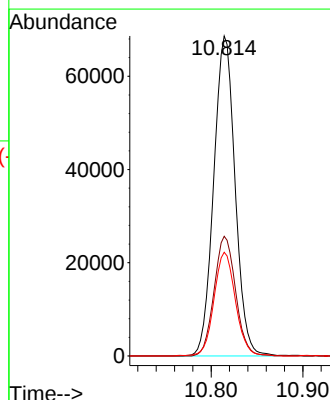
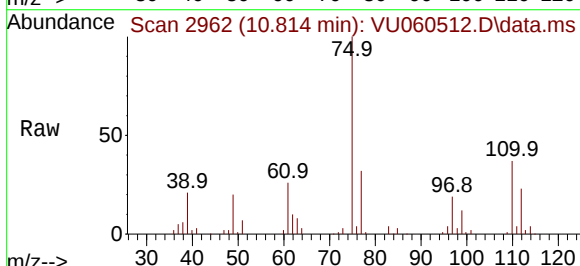
Tgt Ion: 75 Resp: 111270

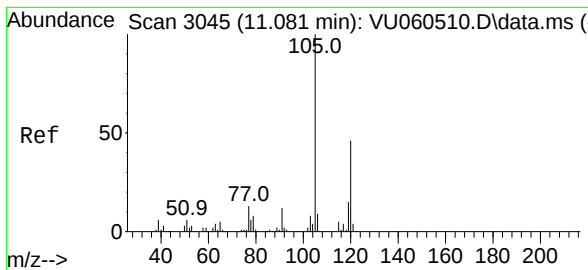
Ion Ratio Lower Upper

75 100

110 37.6 30.2 45.4

77 32.6 25.4 38.2

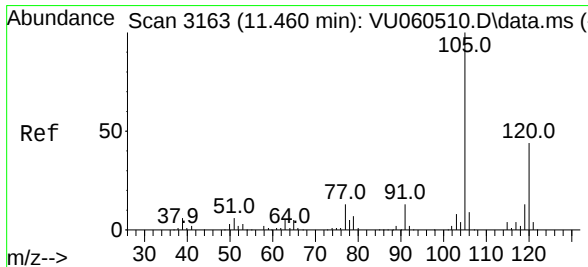
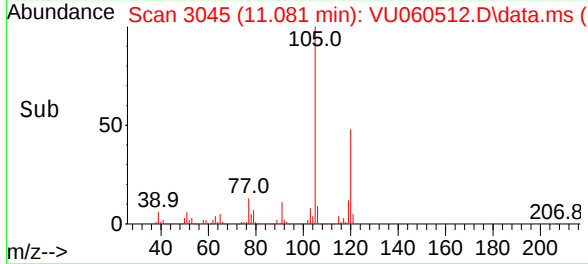
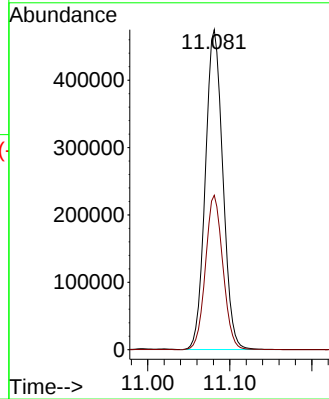
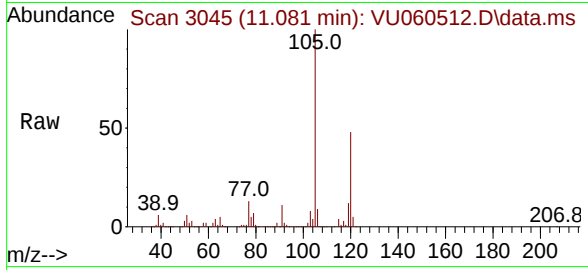




#62
 1,3,5-Trimethylbenzene
 Concen: 16.725 ug/L
 RT: 11.081 min Scan# 3045
 Delta R.T. 0.000 min
 Lab File: VU060512.D
 Acq: 23 Aug 2024 13:55

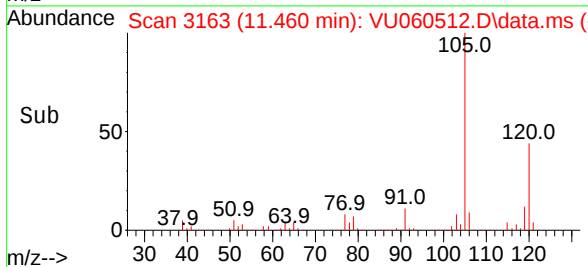
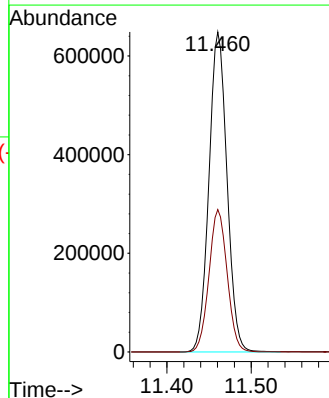
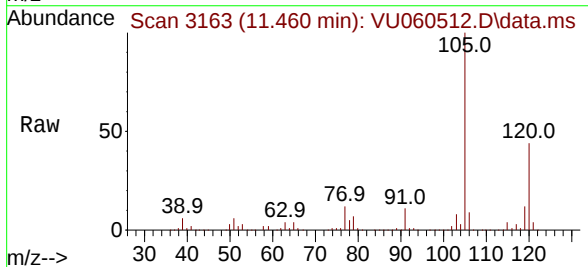
Instrument :
 MSVOA_U
 ClientSampleId :

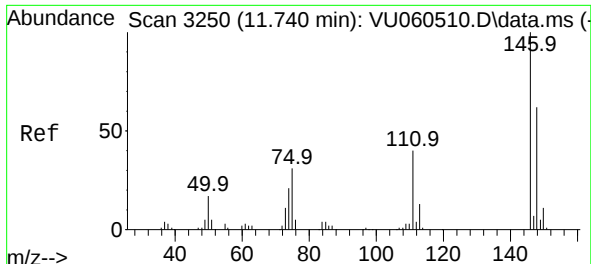
Tgt Ion:105 Resp: 704295
 Ion Ratio Lower Upper
 105 100
 120 48.1 37.4 56.0



#63
 1,2,4-Trimethylbenzene
 Concen: 22.504 ug/L
 RT: 11.460 min Scan# 3163
 Delta R.T. 0.000 min
 Lab File: VU060512.D
 Acq: 23 Aug 2024 13:55

Tgt Ion:105 Resp: 966739
 Ion Ratio Lower Upper
 105 100
 120 44.9 35.7 53.5

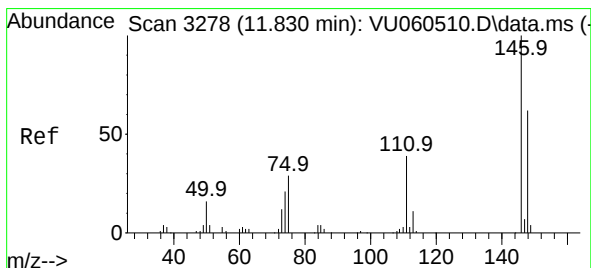
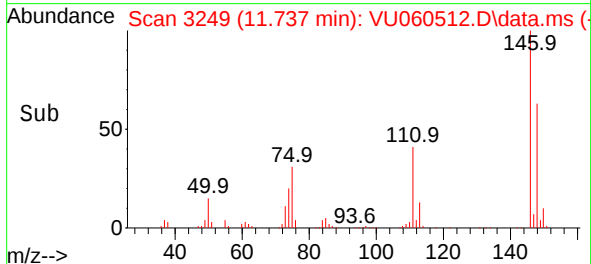
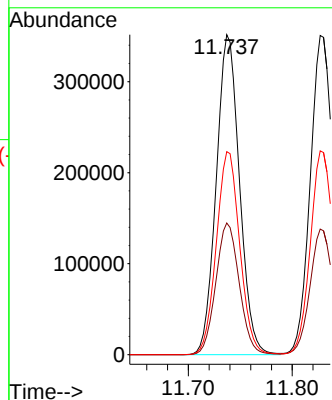
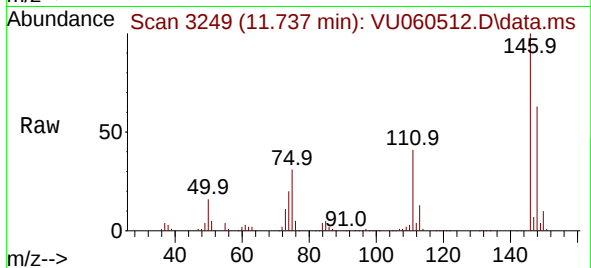




#64
1,3-Dichlorobenzene
Concen: 19.805 ug/L
RT: 11.737 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

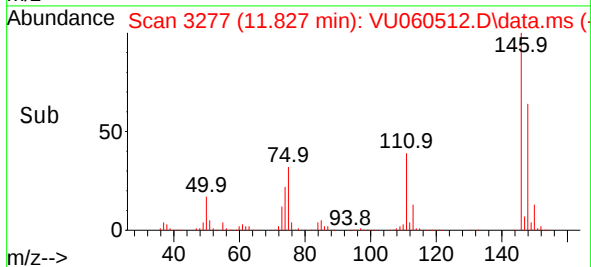
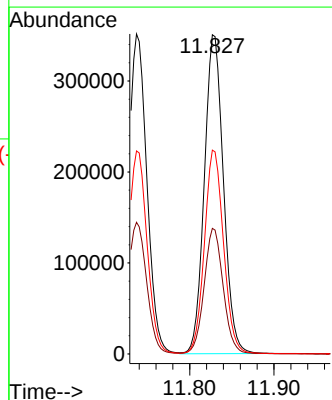
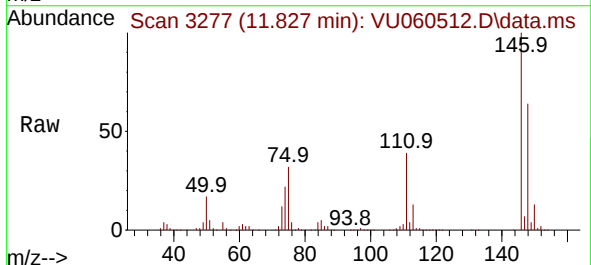
Instrument :
MSVOA_U
ClientSampleId :

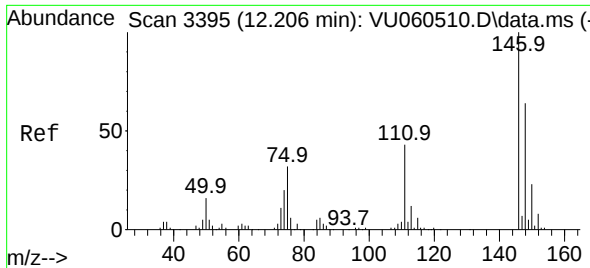
Tgt Ion:146 Resp: 547640
Ion Ratio Lower Upper
146 100
111 41.2 27.9 51.9
148 63.5 43.5 80.7



#65
1,4-Dichlorobenzene
Concen: 19.756 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. -0.003 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

Tgt Ion:146 Resp: 554333
Ion Ratio Lower Upper
146 100
111 39.3 27.2 50.4
148 63.8 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 19.547 ug/L

RT: 12.203 min Scan# 3395

Delta R.T. -0.003 min

Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

Instrument :

MSVOA_U

ClientSampleId :

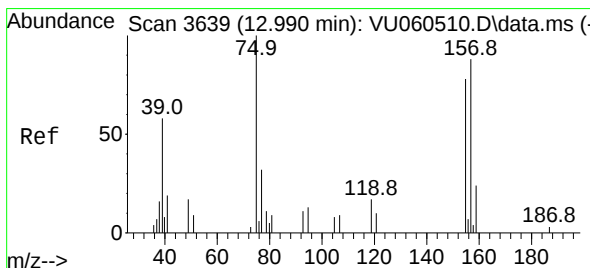
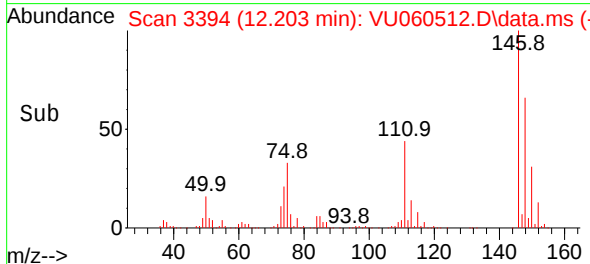
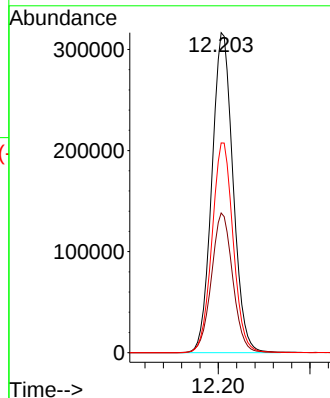
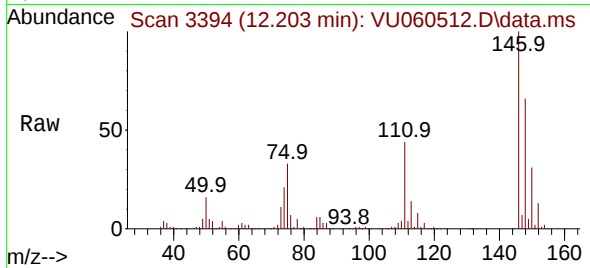
Tgt Ion:146 Resp: 507091

Ion Ratio Lower Upper

146 100

111 43.6 34.6 52.0

148 65.6 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 14.715 ug/L

RT: 12.988 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

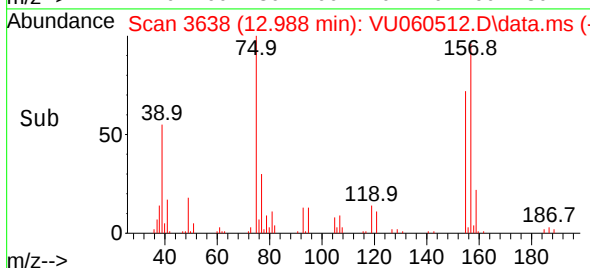
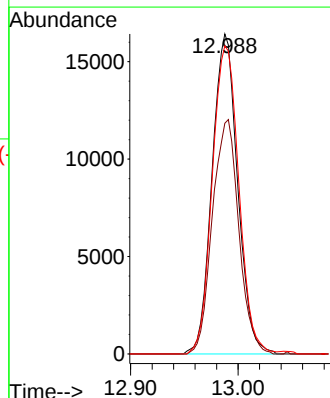
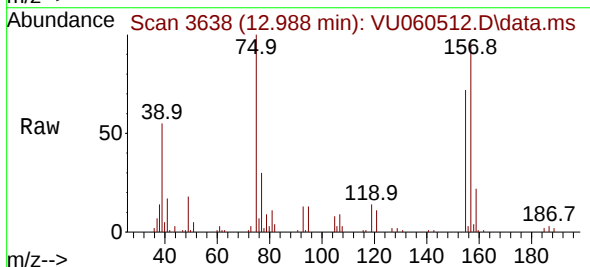
Tgt Ion: 75 Resp: 27097

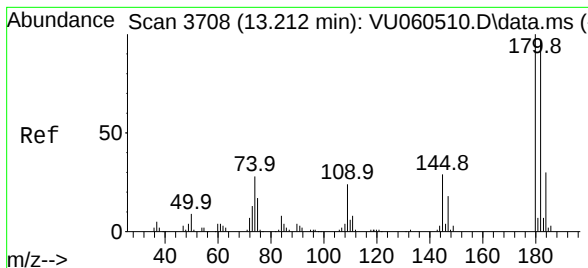
Ion Ratio Lower Upper

75 100

155 72.1 62.7 94.1

157 96.3 70.4 105.6





#69

1,3,5-Trichlorobenzene

Concen: 14.126 ug/L

RT: 13.213 min Scan# 3

Delta R.T. 0.000 min

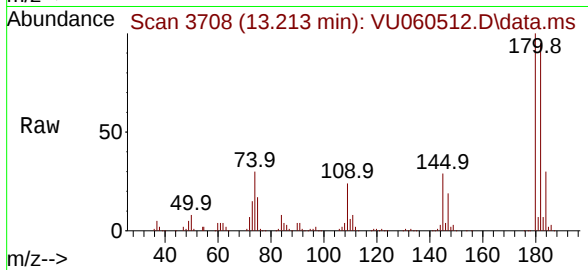
Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 301194

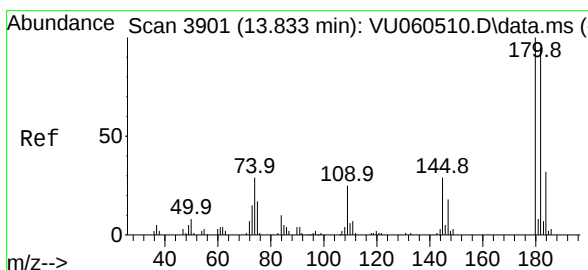
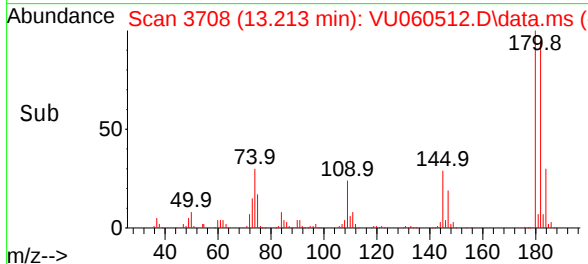
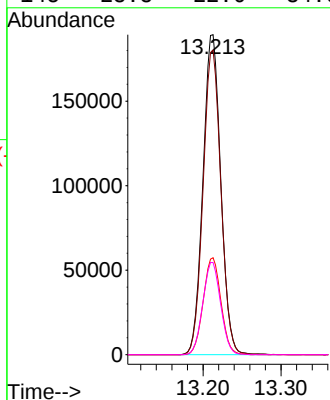
Ion Ratio Lower Upper

180 100

182 95.1 77.6 116.4

184 30.1 24.9 37.3

145 28.8 22.6 34.0



#70

1,2,4-trichlorobenzene

Concen: 14.614 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU060512.D

Acq: 23 Aug 2024 13:55

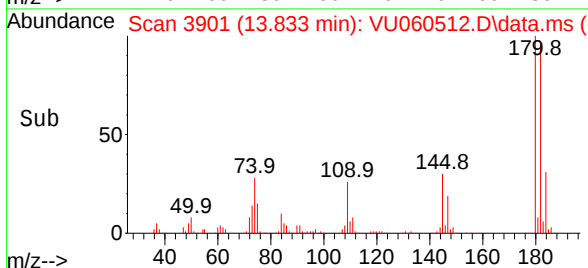
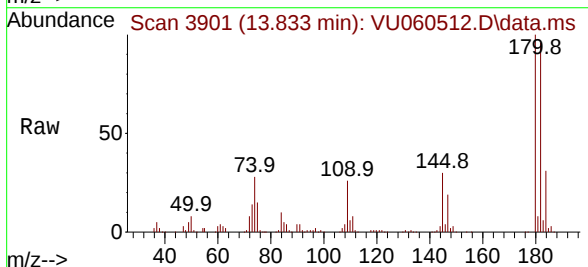
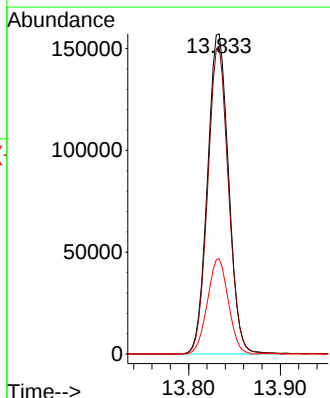
Tgt Ion:180 Resp: 251401

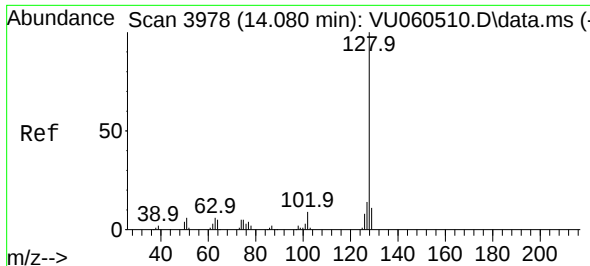
Ion Ratio Lower Upper

180 100

182 94.5 77.3 115.9

145 29.4 23.9 35.9

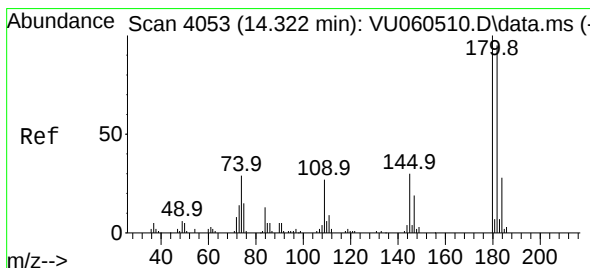
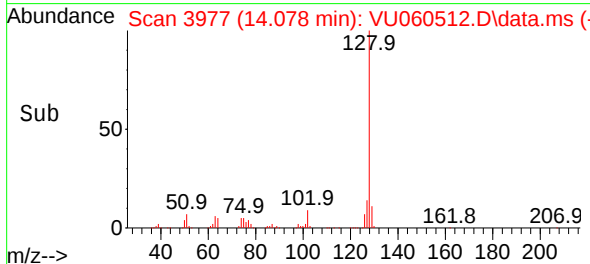
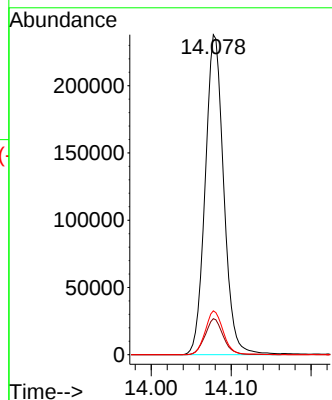
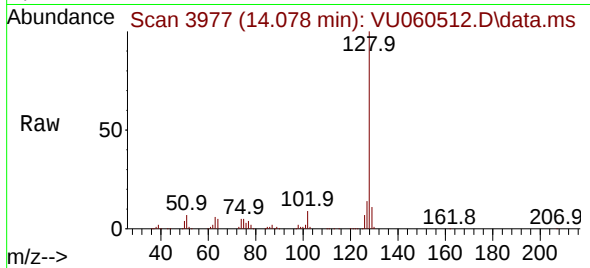




#71
Naphthalene
Concen: 17.459 ug/L
RT: 14.078 min Scan# 3978
Delta R.T. -0.003 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 383713
Ion Ratio Lower Upper
128 100
129 11.0 8.5 12.7
127 13.3 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 15.114 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU060512.D
Acq: 23 Aug 2024 13:55

Tgt Ion:180 Resp: 217579
Ion Ratio Lower Upper
180 100
182 96.3 76.0 114.0
145 31.6 24.3 36.5

