

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021924\
 Data File : VU057883.D
 Acq On : 19 Feb 2024 15:55
 Operator : MD/SY
 Sample : VSTD010
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 20 01:17:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 20 01:16:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	272285	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	261143	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	129457	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	18554	8.640	ug/L	0.00
7) Chloroethane-d5	1.885	69	13907	8.461	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	38571	9.789	ug/L	0.00
21) 2-Butanone-d5	4.624	46	14165	12.540	ug/L	0.01
24) Chloroform-d	5.052	84	32164	8.499	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	19996	8.340	ug/L	0.00
32) Benzene-d6	5.718	84	62498	8.152	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	19840	8.163	ug/L	0.00
41) Toluene-d8	7.891	98	54615	7.882	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	8689	7.346	ug/L	0.00
47) 2-Hexanone-d5	8.631	63	14672	15.041	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	27356	8.577	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	19519	8.077	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	38316	15.484	ug/L	100
3) Chloromethane	1.515	50	40172	17.099	ug/L	97
5) Vinyl chloride	1.599	62	39264	16.063	ug/L	98
6) Bromomethane	1.824	94	14307	10.561	ug/L	99
8) Chloroethane	1.907	64	23094	16.000	ug/L	98
9) Trichlorofluoromethane	2.120	101	46746	13.992	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	26379	13.389	ug/L	98
12) 1,1-Dichloroethene	2.567	96	25105	13.951	ug/L	90
13) Acetone	2.612	43	34953	23.205	ug/L	96
14) Carbon disulfide	2.779	76	82336	14.686	ug/L	99
15) Methyl Acetate	2.936	43	29886	14.898	ug/L	99
16) Methylene chloride	3.033	84	34451	16.483	ug/L	98
17) trans-1,2-Dichloroethene	3.341	96	26147	14.222	ug/L	94
18) Methyl tert-butyl Ether	3.348	73	92665	14.389	ug/L	98
19) 1,1-Dichloroethane	3.853	63	56116	15.156	ug/L	98
20) cis-1,2-Dichloroethene	4.653	96	30908	14.571	ug/L	97
22) 2-Butanone	4.695	43	42579	25.938	ug/L	95
23) Bromochloromethane	4.962	128	14742	14.254	ug/L	94
25) Chloroform	5.078	83	54474	14.458	ug/L	98
27) 1,2-Dichloroethane	5.785	62	45847	14.681	ug/L	100
29) Cyclohexane	5.377	56	47297	13.785	ug/L	99
30) 1,1,1-Trichloroethane	5.303	97	45392	13.565	ug/L	99
31) Carbon tetrachloride	5.515	117	37881	12.980	ug/L	98
33) Benzene	5.763	78	119315	14.435	ug/L	100
34) Trichloroethene	6.534	95	29881	13.507	ug/L	95
35) Methylcyclohexane	6.753	83	45236	12.716	ug/L	100
37) 1,2-Dichloropropane	6.782	63	33646	14.723	ug/L	99
38) Bromodichloromethane	7.097	83	40488	14.291	ug/L	97
39) cis-1,3-Dichloropropene	7.599	75	49711	13.529	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	83081	29.247	ug/L	98
42) Toluene	7.962	91	120291	13.908	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	45233	13.410	ug/L	100

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

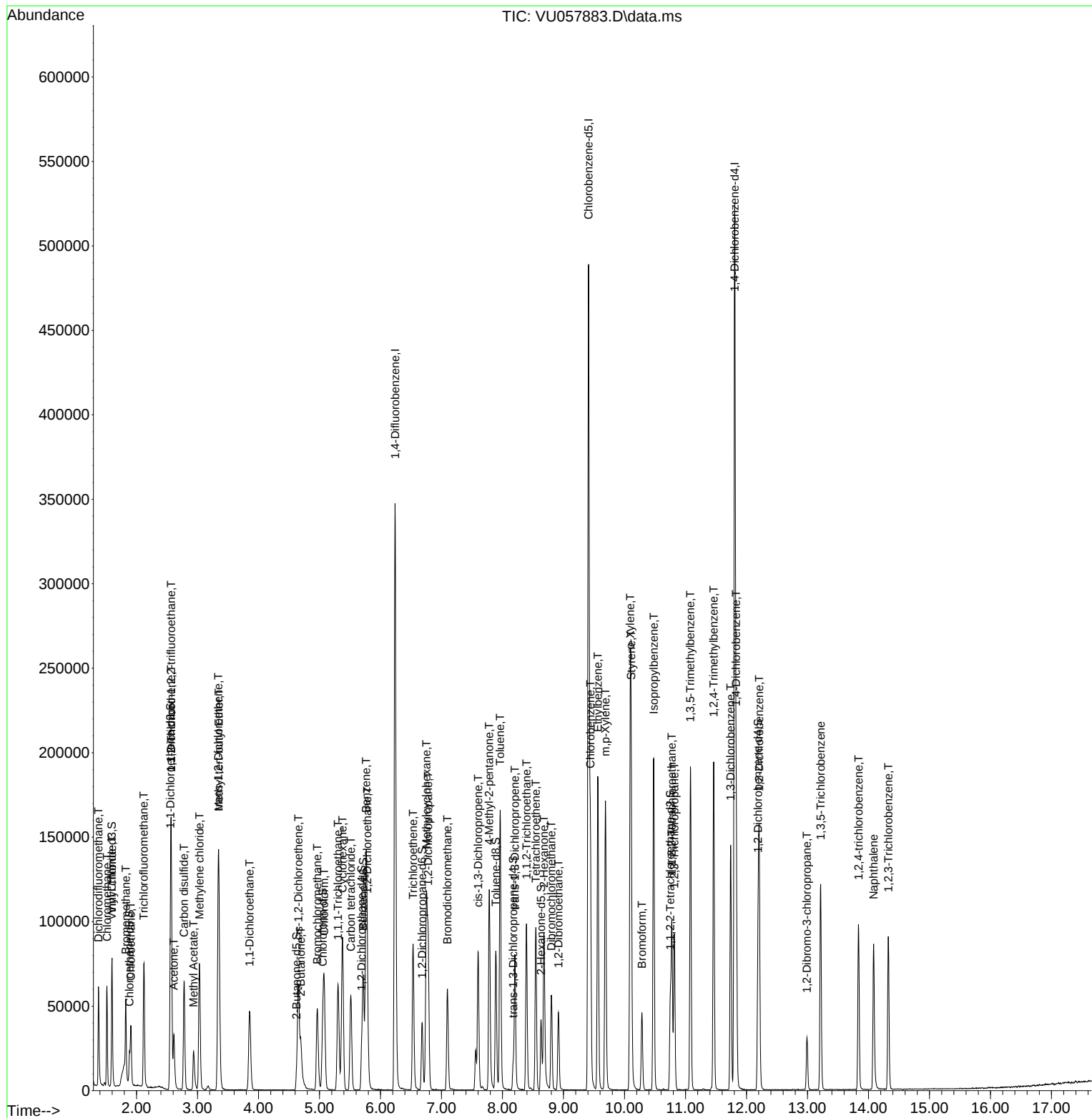
45) 1,1,2-Trichloroethane	8.393	97	30036	14.421	ug/L	99
46) Tetrachloroethene	8.547	164	20172	13.167	ug/L	96
48) 2-Hexanone	8.679	43	65317	26.653	ug/L	99
49) Dibromochloromethane	8.801	129	28453	13.573	ug/L	98
50) 1,2-Dibromoethane	8.917	107	31106	13.991	ug/L	100
51) Chlorobenzene	9.441	112	76637	14.014	ug/L	96
52) Ethylbenzene	9.563	91	131120	13.367	ug/L	94
53) m,p-Xylene	9.688	106	46780	13.036	ug/L	94
54) o-Xylene	10.094	106	46635	13.276	ug/L	99
55) Styrene	10.110	104	78529	13.313	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	49832	14.614	ug/L	96
59) Bromoform	10.287	173	19458	13.029	ug/L #	96
60) 1,2,3-Trichloropropane	10.817	75	39372	14.494	ug/L	99
61) Isopropylbenzene	10.479	105	124547	13.244	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	105991	13.327	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	106158	13.305	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	55098	13.457	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	56222	13.366	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	55712	13.532	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.991	75	8522	12.540	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	36261	12.740	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	27963	11.563	ug/L	98
71) Naphthalene	14.084	128	71894	11.122	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	25890	11.433	ug/L	98

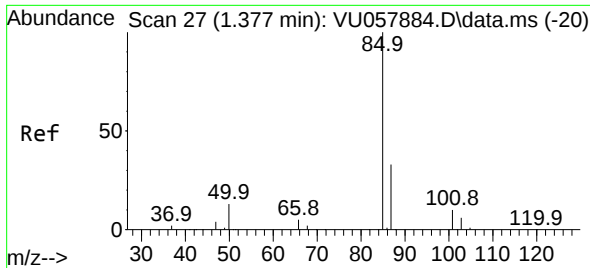
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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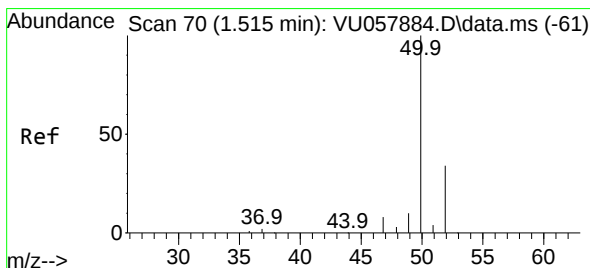
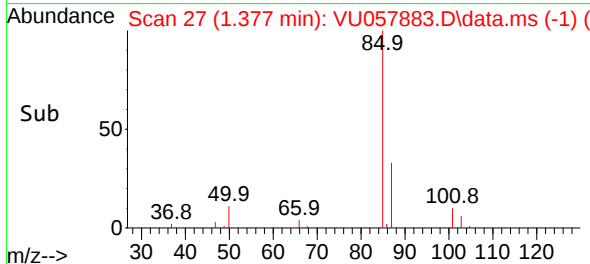
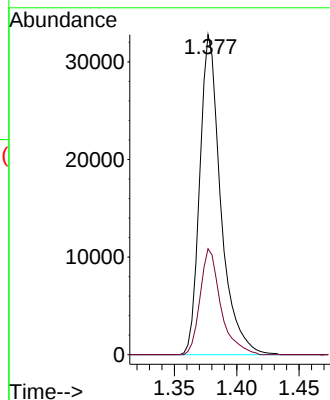
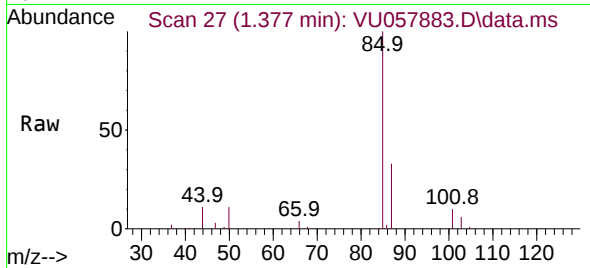




#2
 Dichlorodifluoromethane
 Concen: 15.484 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU057883.D
 Acq: 19 Feb 2024 15:55

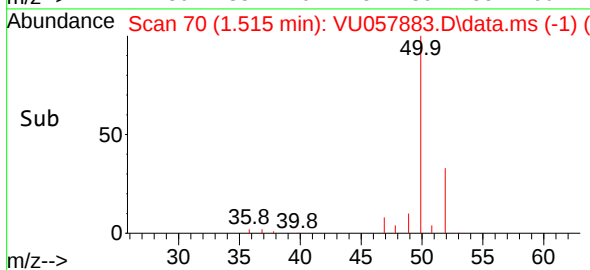
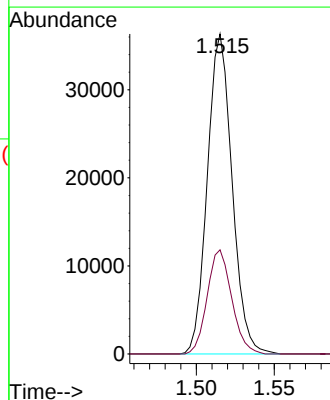
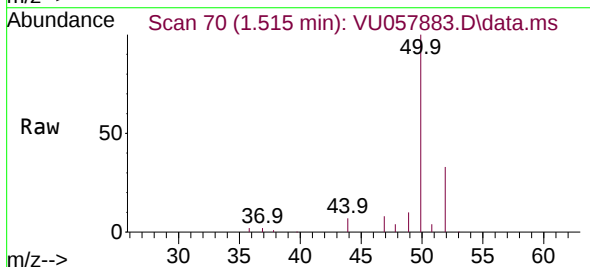
Instrument :
 MSVOA_U
 ClientSampleId :

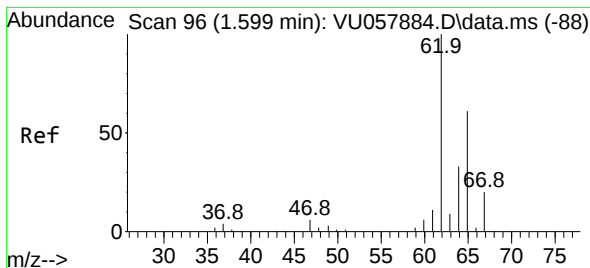
Tgt Ion: 85 Resp: 38316
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.2 39.2



#3
 Chloromethane
 Concen: 17.099 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU057883.D
 Acq: 19 Feb 2024 15:55

Tgt Ion: 50 Resp: 40172
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.8 44.2





#5

Vinyl chloride

Concen: 16.063 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

Instrument :

MSVOA_U

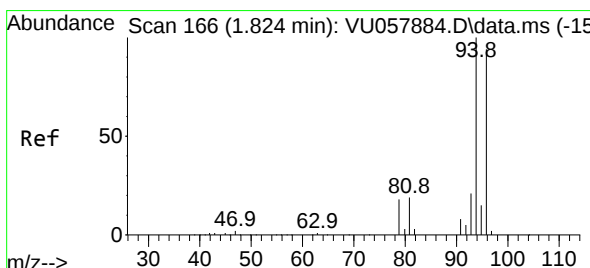
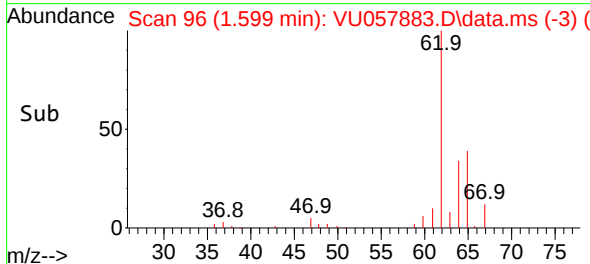
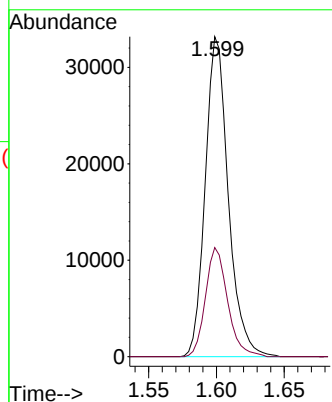
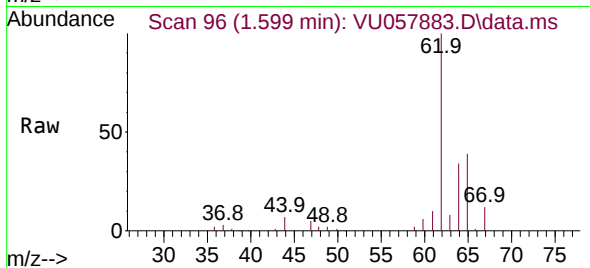
ClientSampleId :

Tgt Ion: 62 Resp: 39264

Ion Ratio Lower Upper

62 100

64 34.1 23.1 42.9



#6

Bromomethane

Concen: 10.561 ug/L

RT: 1.824 min Scan# 166

Delta R.T. 0.000 min

Lab File: VU057883.D

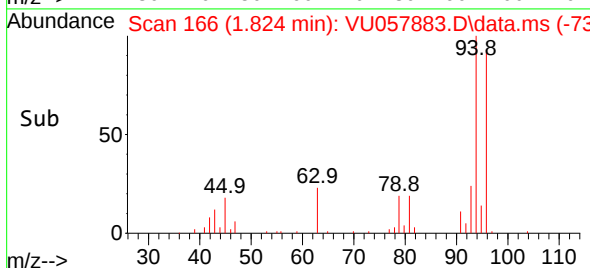
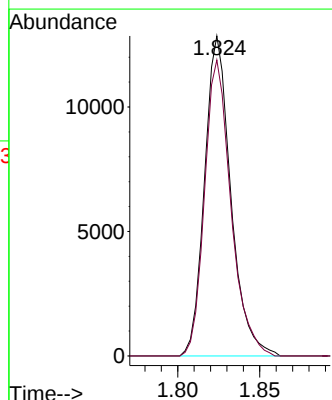
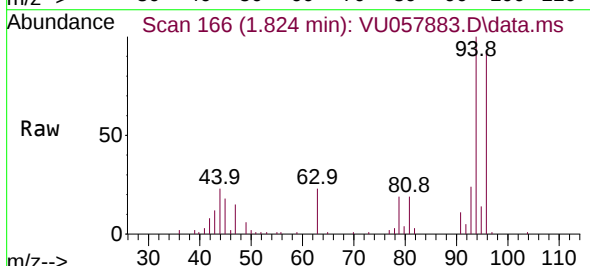
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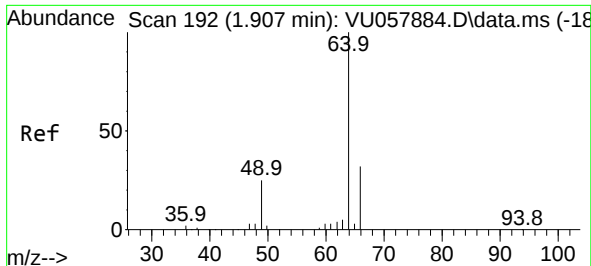
Tgt Ion: 94 Resp: 14307

Ion Ratio Lower Upper

94 100

96 92.5 65.5 121.7





#8

Chloroethane

Concen: 16.000 ug/L

RT: 1.907 min Scan# 192

Delta R.T. 0.000 min

Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

Instrument :

MSVOA_U

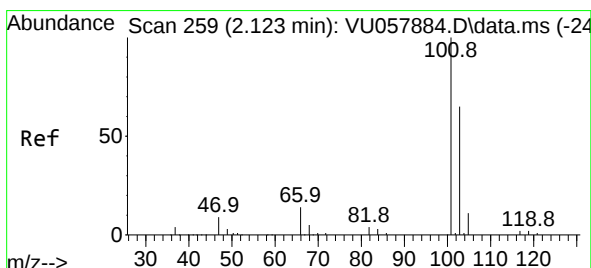
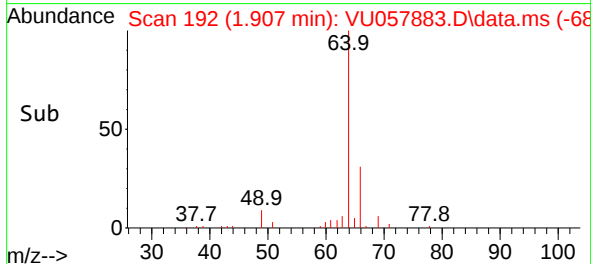
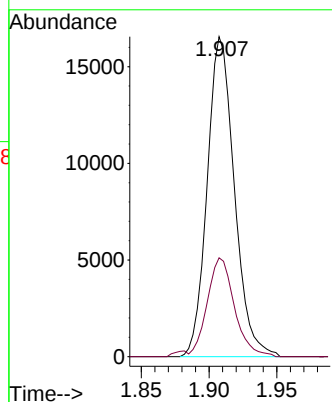
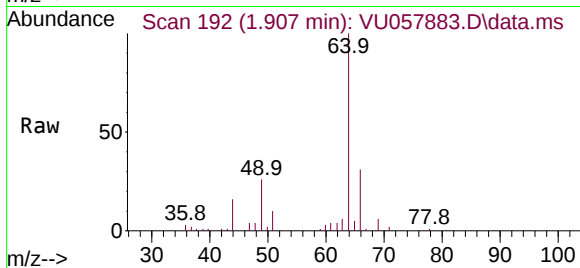
ClientSampleId :

Tgt Ion: 64 Resp: 23094

Ion Ratio Lower Upper

64 100

66 30.9 22.5 41.9



#9

Trichlorofluoromethane

Concen: 13.992 ug/L

RT: 2.120 min Scan# 258

Delta R.T. -0.003 min

Lab File: VU057883.D

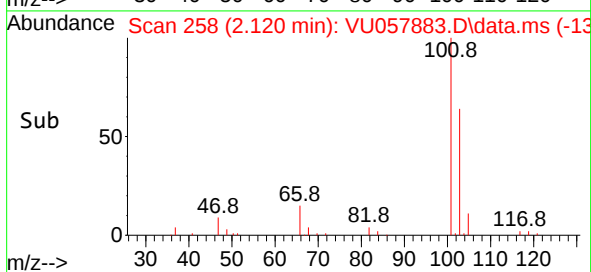
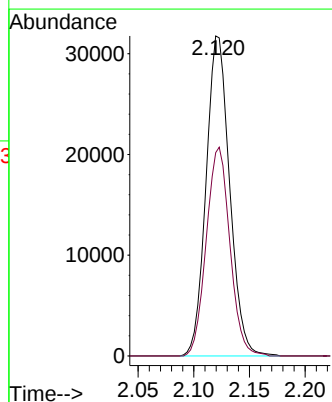
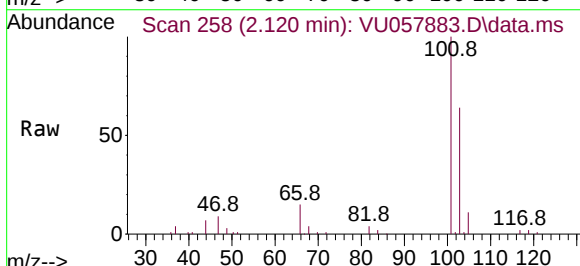
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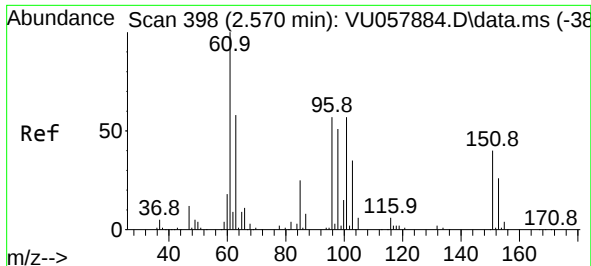
Tgt Ion:101 Resp: 46746

Ion Ratio Lower Upper

101 100

103 65.3 51.7 77.5

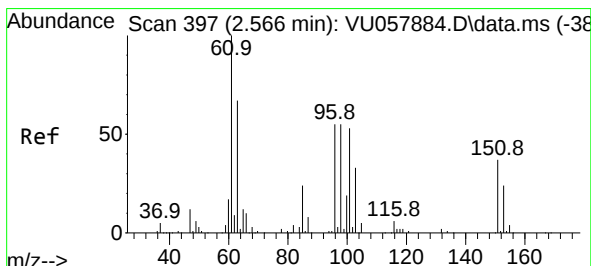
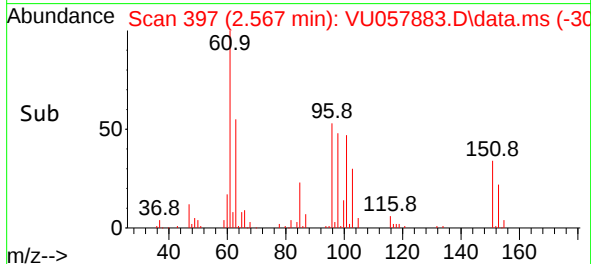
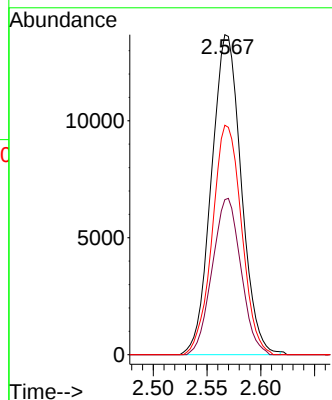
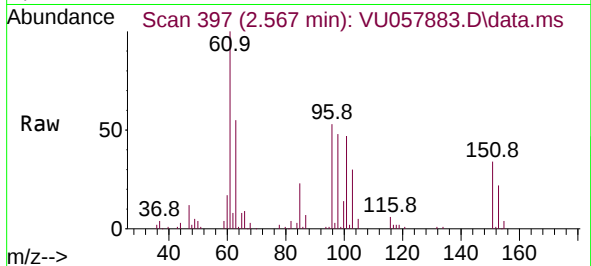




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 13.389 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. -0.003 min
 Lab File: VU057883.D
 Acq: 19 Feb 2024 15:55

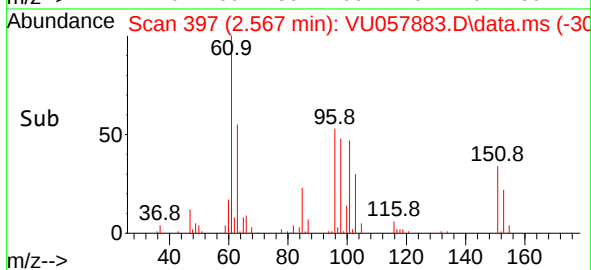
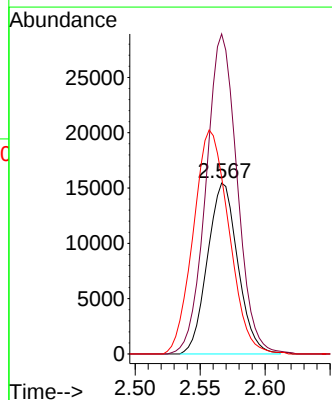
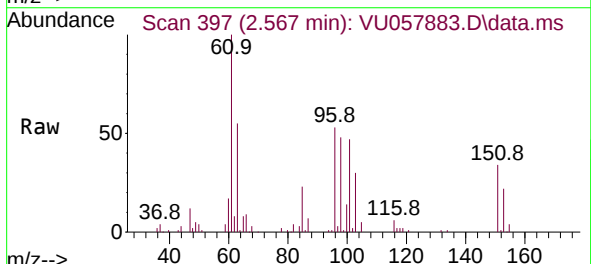
Instrument :
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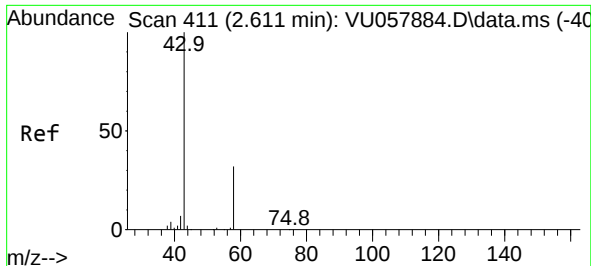
Tgt Ion:101 Resp: 26379
 Ion Ratio Lower Upper
 101 100
 85 47.0 35.7 53.5
 151 70.5 55.8 83.6



#12
 1,1-Dichloroethene
 Concen: 13.951 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: VU057883.D
 Acq: 19 Feb 2024 15:55

Tgt Ion: 96 Resp: 25105
 Ion Ratio Lower Upper
 96 100
 61 187.2 126.8 235.6
 63 103.4 86.5 160.7





#13

Acetone

Concen: 23.205 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

Instrument :

MSVOA_U

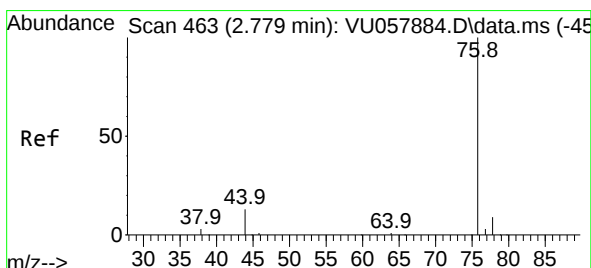
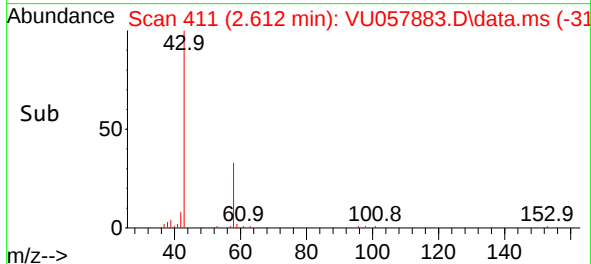
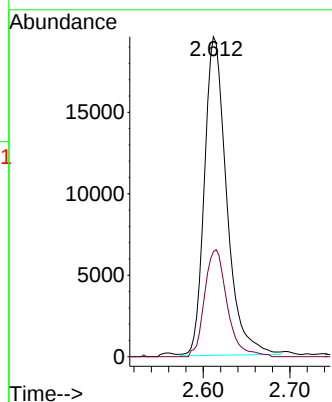
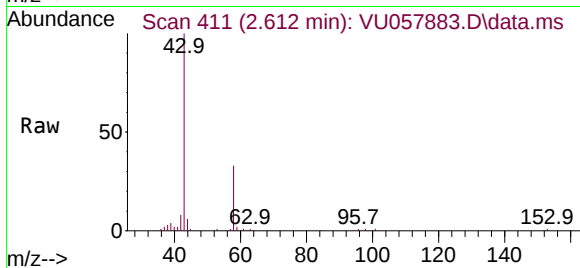
ClientSampleId :

Tgt Ion: 43 Resp: 34953

Ion Ratio Lower Upper

43 100

58 34.1 0.0 64.2



#14

Carbon disulfide

Concen: 14.686 ug/L

RT: 2.779 min Scan# 463

Delta R.T. 0.000 min

Lab File: VU057883.D

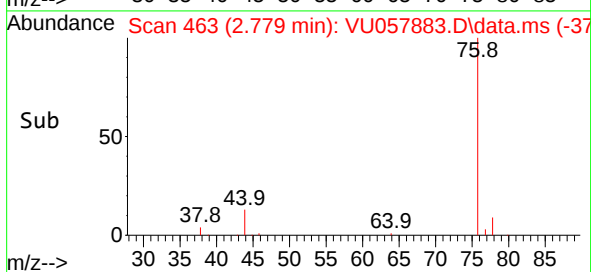
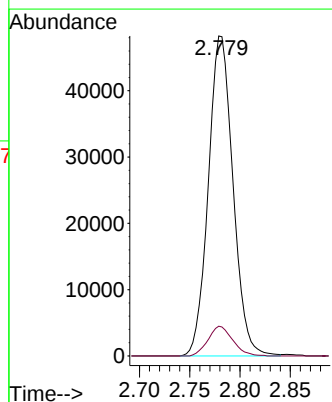
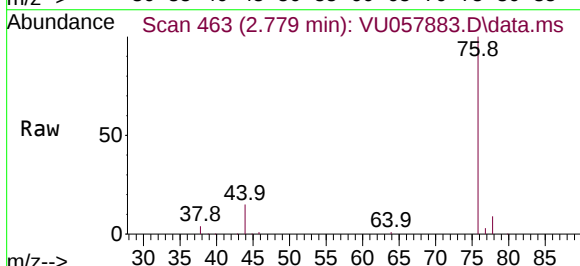
Acq: 19 Feb 2024 15:55

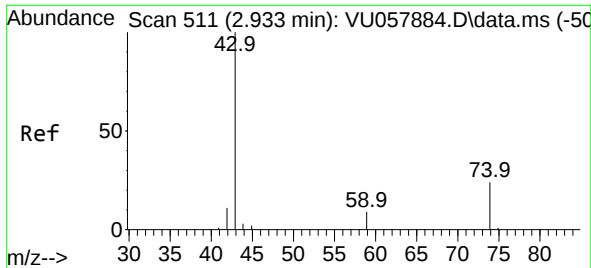
Tgt Ion: 76 Resp: 82336

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

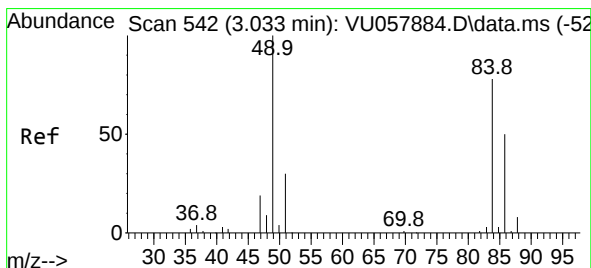
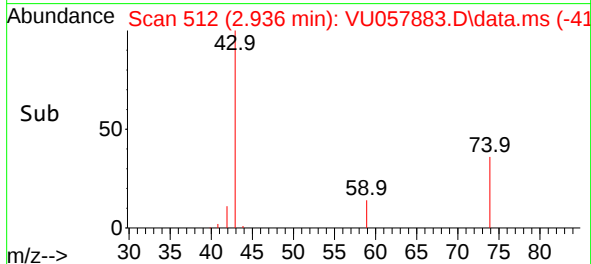
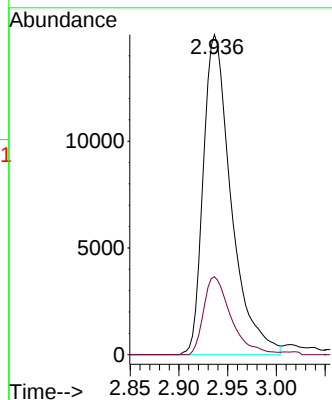
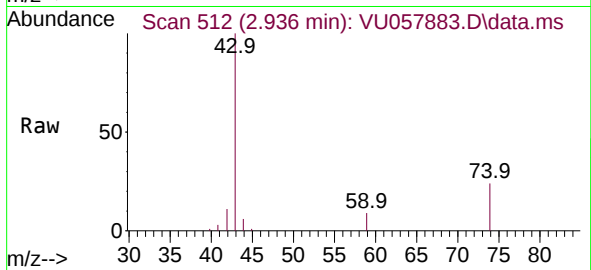




#15
Methyl Acetate
Concen: 14.898 ug/L
RT: 2.936 min Scan# 511
Delta R.T. 0.003 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

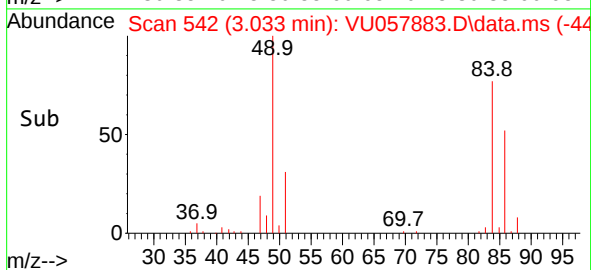
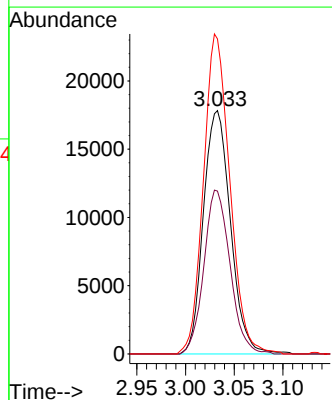
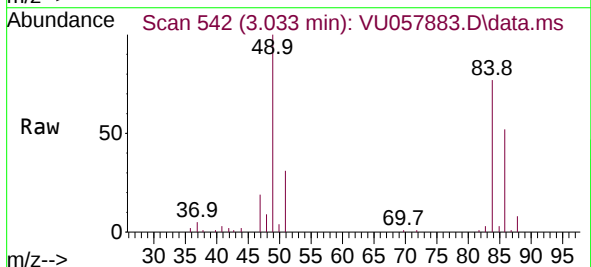
Instrument :
MSVOA_U
ClientSampleId :

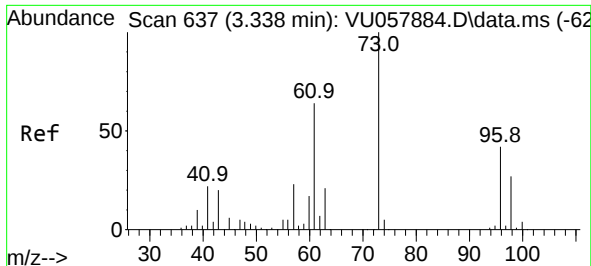
Tgt Ion: 43 Resp: 29886
Ion Ratio Lower Upper
43 100
74 23.9 18.6 27.8



#16
Methylene chloride
Concen: 16.483 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.000 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

Tgt Ion: 84 Resp: 34451
Ion Ratio Lower Upper
84 100
86 67.0 45.1 83.7
49 129.4 89.7 166.5

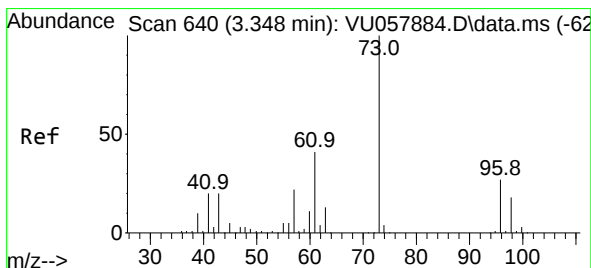
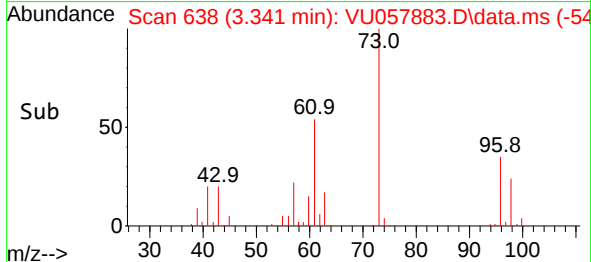
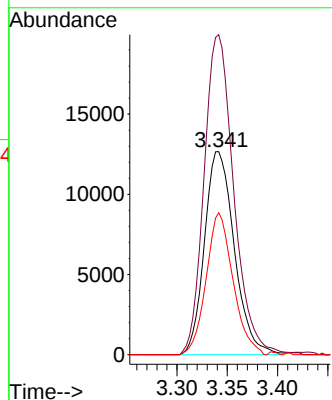
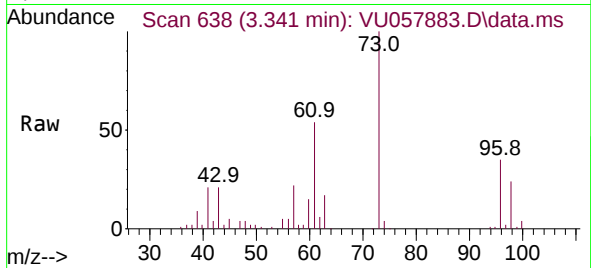




#17
trans-1,2-Dichloroethene
Concen: 14.222 ug/L
RT: 3.341 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

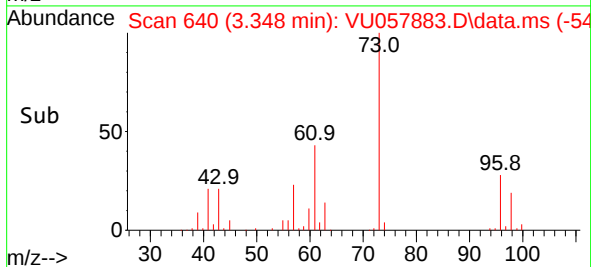
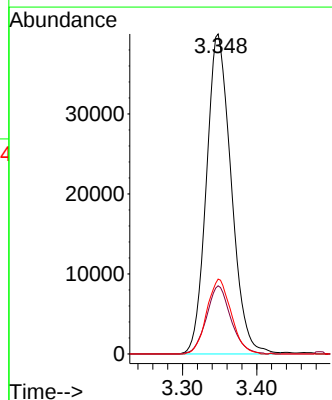
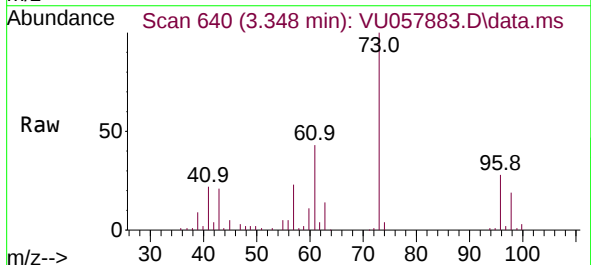
Instrument :
MSVOA_U
ClientSampleId :

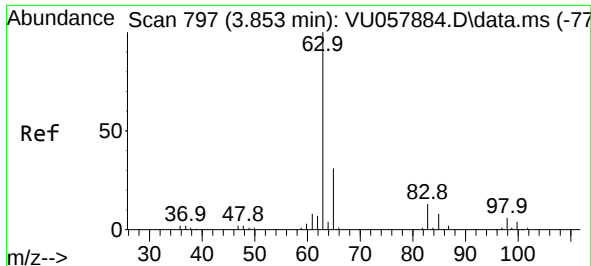
Tgt Ion: 96 Resp: 26147
Ion Ratio Lower Upper
96 100
61 157.6 106.3 197.3
98 69.9 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 14.389 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

Tgt Ion: 73 Resp: 92665
Ion Ratio Lower Upper
73 100
43 21.1 16.0 24.0
57 23.0 17.8 26.6





#19

1,1-Dichloroethane

Concen: 15.156 ug/L

RT: 3.853 min Scan# 797

Delta R.T. 0.000 min

Lab File: VU057883.D

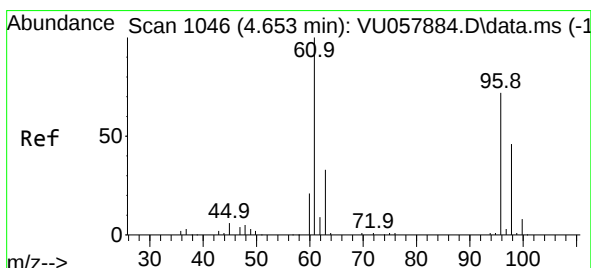
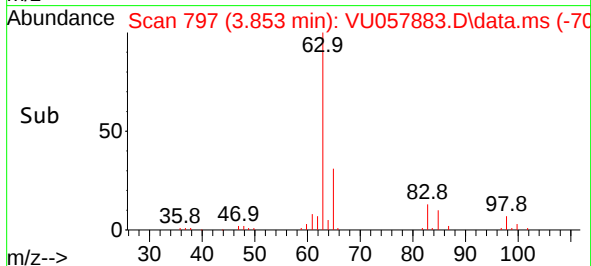
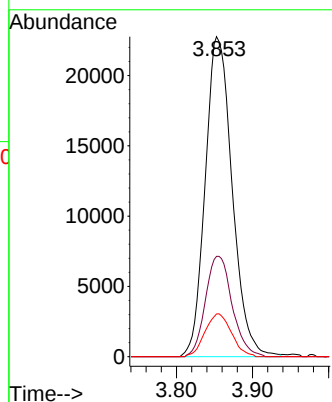
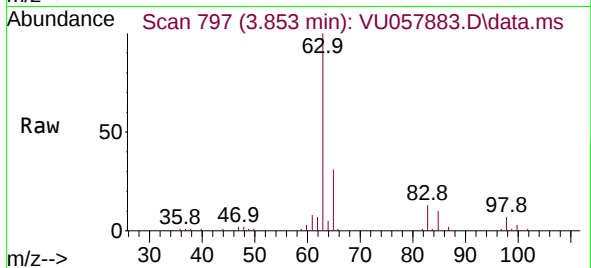
Acq: 19 Feb 2024 15:55

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	56116
Ion Ratio	Lower	Upper	
63	100		
65	32.1	21.7	40.3
83	14.0	9.4	17.4



#20

cis-1,2-Dichloroethene

Concen: 14.571 ug/L

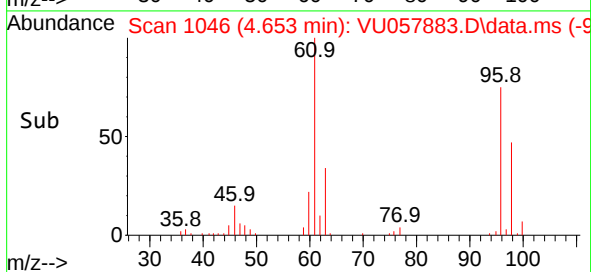
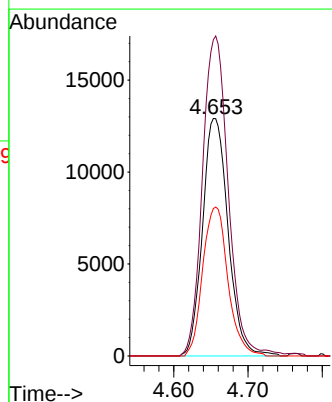
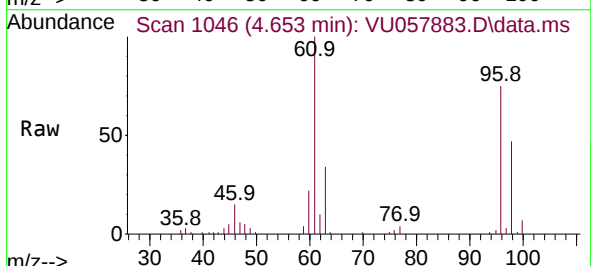
RT: 4.653 min Scan# 1046

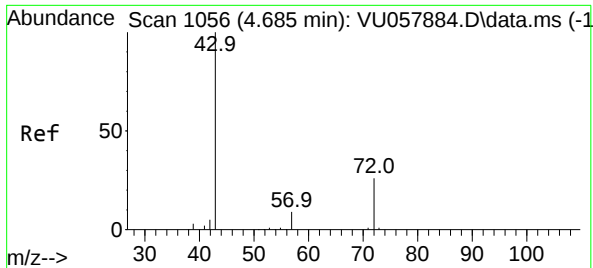
Delta R.T. 0.000 min

Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

Tgt Ion:	96	Resp:	30908
Ion Ratio	Lower	Upper	
96	100		
61	133.2	96.7	179.7
98	62.1	44.3	82.3

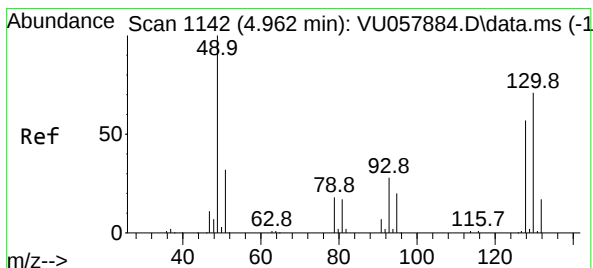
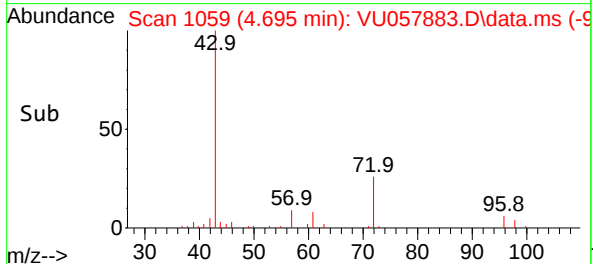
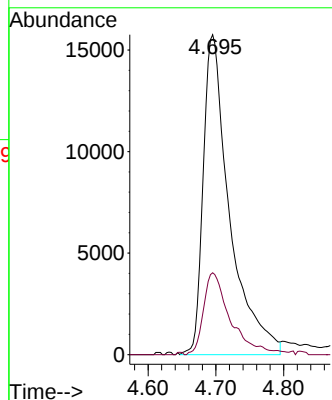
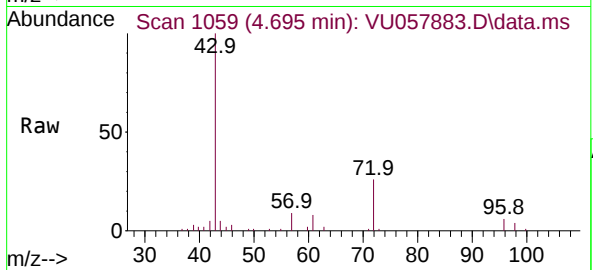




#22
2-Butanone
Concen: 25.938 ug/L
RT: 4.695 min Scan# 1056
Delta R.T. 0.010 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

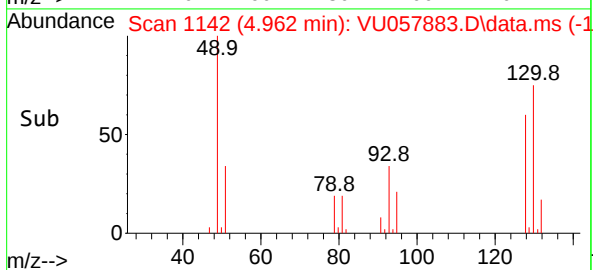
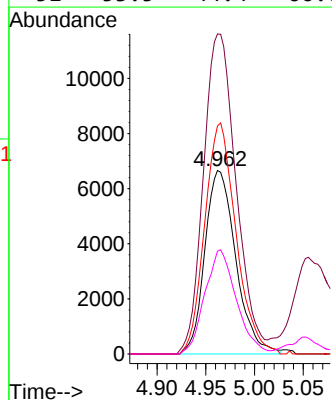
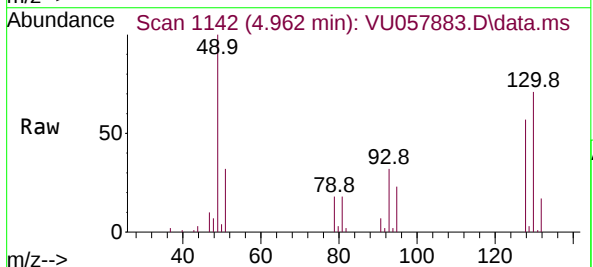
Instrument :
MSVOA_U
ClientSampleId :

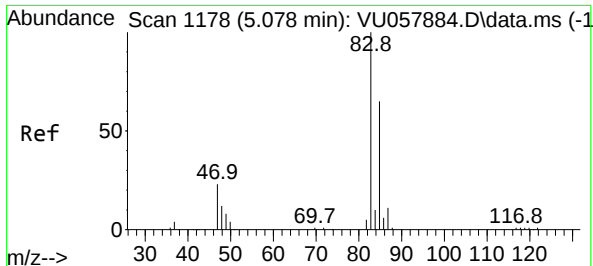
Tgt Ion: 43 Resp: 42579
Ion Ratio Lower Upper
43 100
72 24.7 13.8 41.3



#23
Bromochloromethane
Concen: 14.254 ug/L
RT: 4.962 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

Tgt Ion:128 Resp: 14742
Ion Ratio Lower Upper
128 100
49 166.9 124.0 230.4
130 118.9 87.8 163.0
51 53.5 44.4 66.6

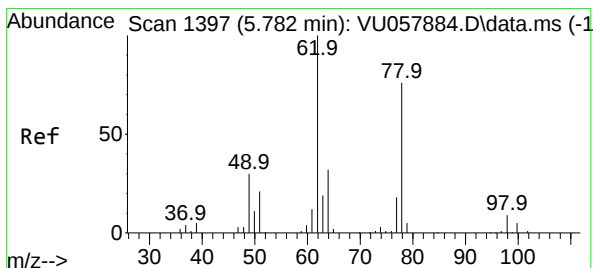
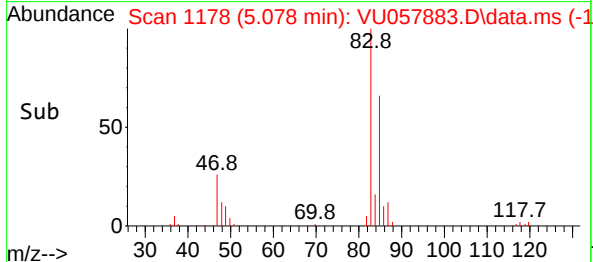
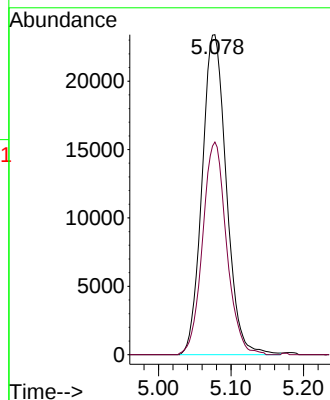
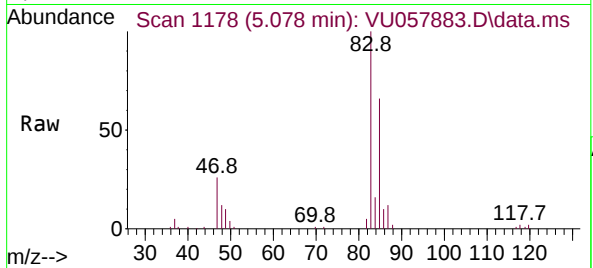




#25
Chloroform
Concen: 14.458 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

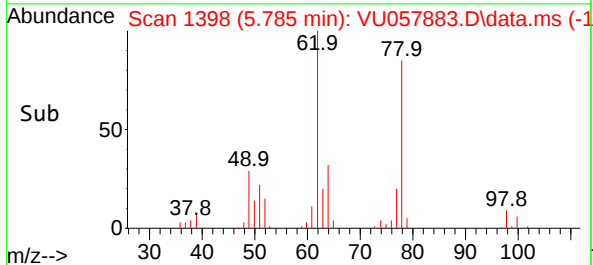
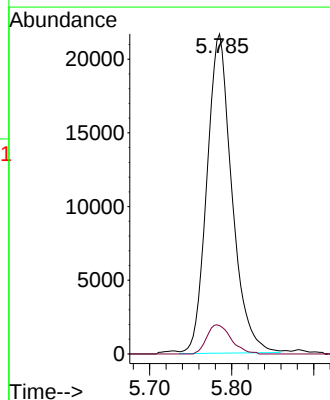
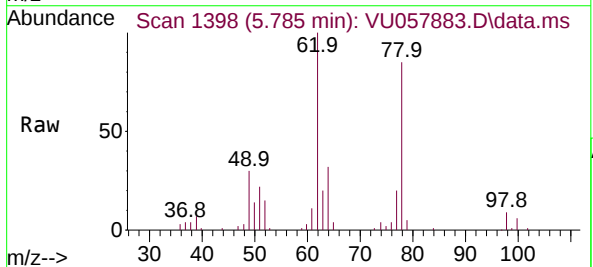
Instrument :
MSVOA_U
ClientSampleId :

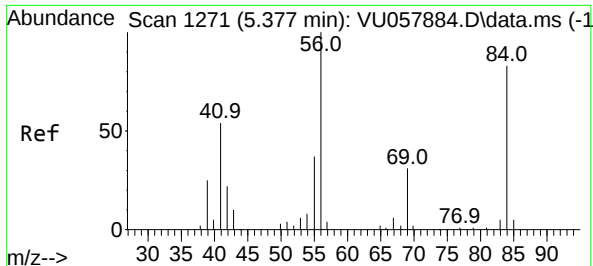
Tgt Ion: 83 Resp: 54474
Ion Ratio Lower Upper
83 100
85 66.5 45.6 84.6



#27
1,2-Dichloroethane
Concen: 14.681 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. 0.003 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

Tgt Ion: 62 Resp: 45847
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7





#29

Cyclohexane

Concen: 13.785 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. 0.000 min

Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

Instrument :

MSVOA_U

ClientSampleId :

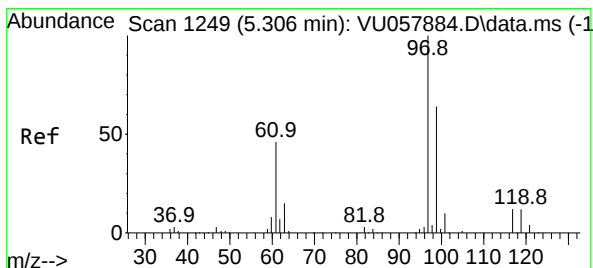
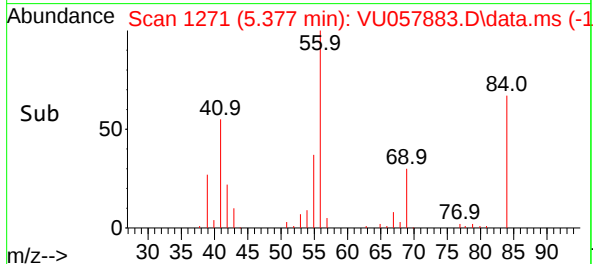
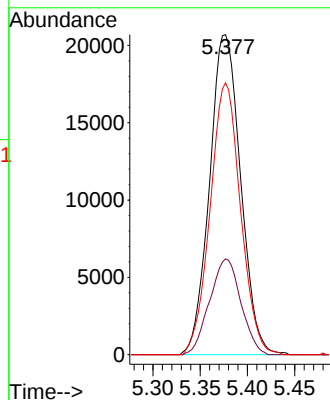
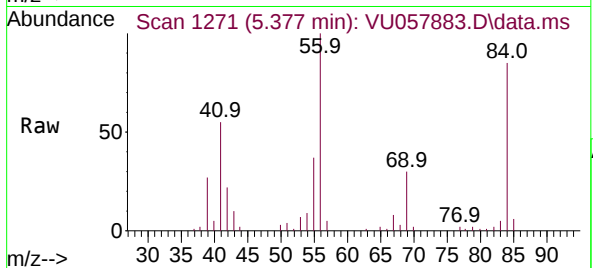
Tgt Ion: 56 Resp: 47297

Ion Ratio Lower Upper

56 100

69 30.1 24.6 36.8

84 83.0 66.9 100.3



#30

1,1,1-Trichloroethane

Concen: 13.565 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. -0.003 min

Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

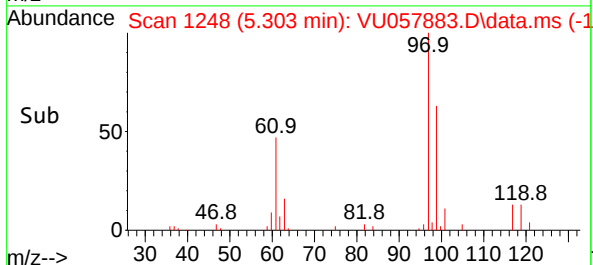
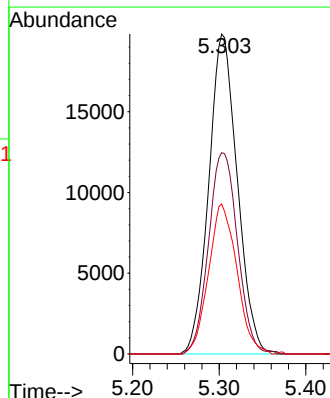
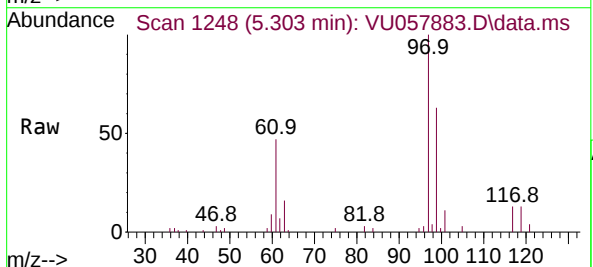
Tgt Ion: 97 Resp: 45392

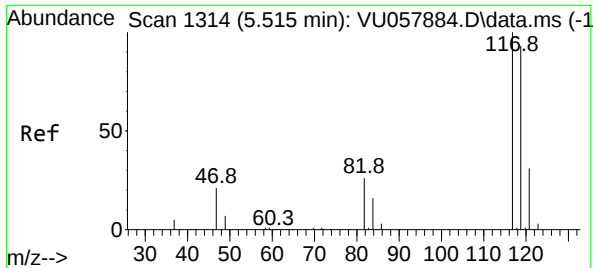
Ion Ratio Lower Upper

97 100

99 63.8 51.6 77.4

61 46.6 36.8 55.2

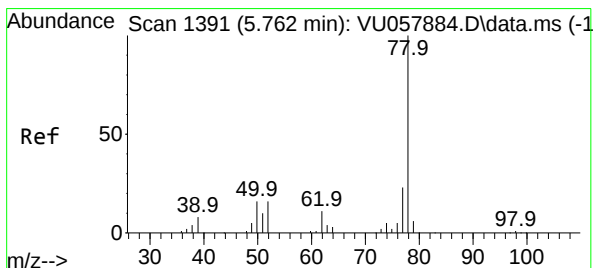
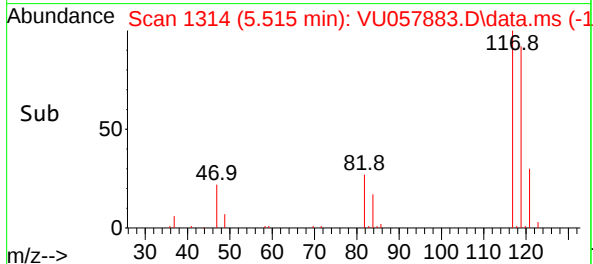
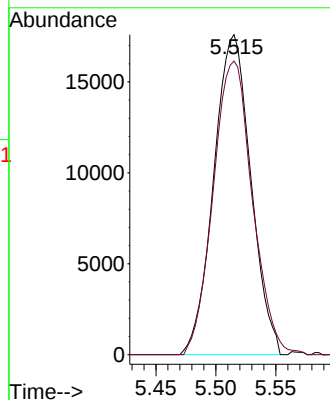
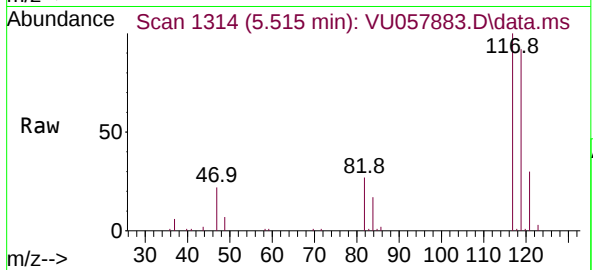




#31
Carbon tetrachloride
Concen: 12.980 ug/L
RT: 5.515 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

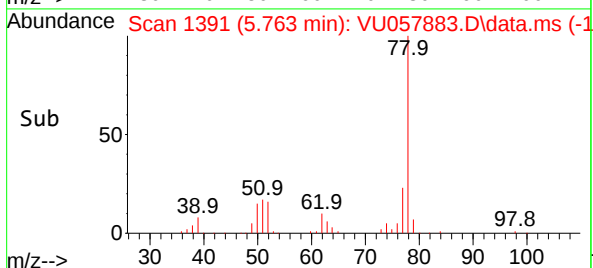
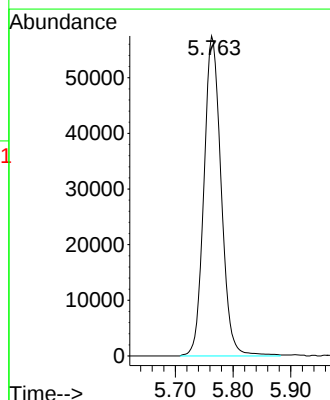
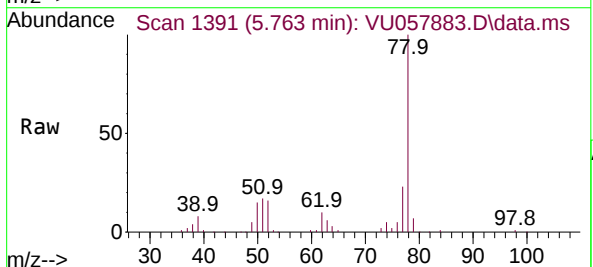
Instrument :
MSVOA_U
ClientSampleId :

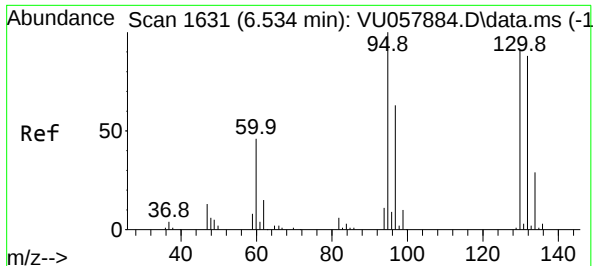
Tgt Ion:117 Resp: 37881
Ion Ratio Lower Upper
117 100
119 96.9 75.9 113.9



#33
Benzene
Concen: 14.435 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

Tgt Ion: 78 Resp: 119315

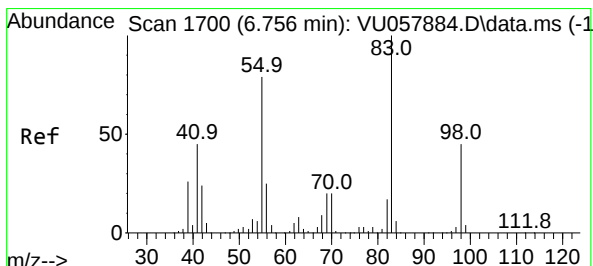
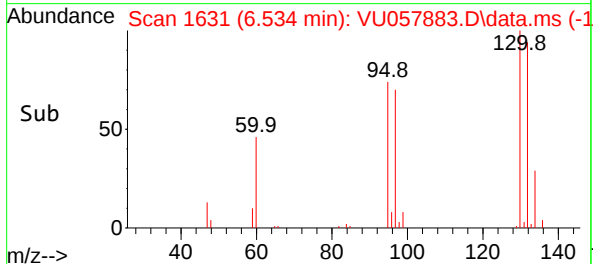
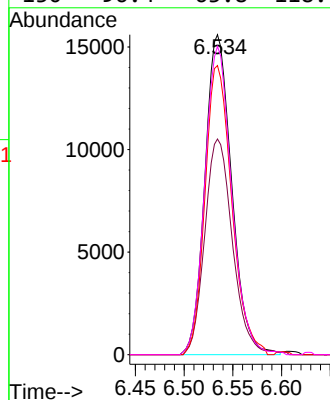
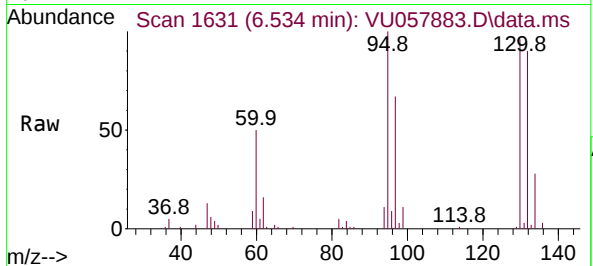




#34
Trichloroethene
Concen: 13.507 ug/L
RT: 6.534 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

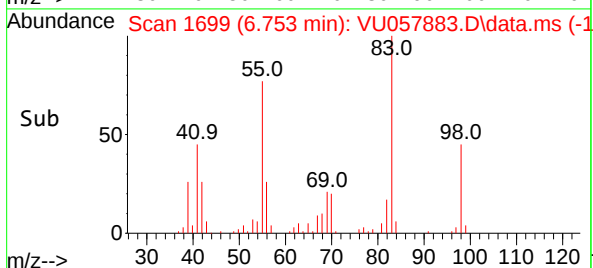
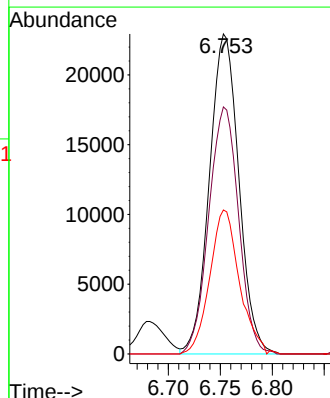
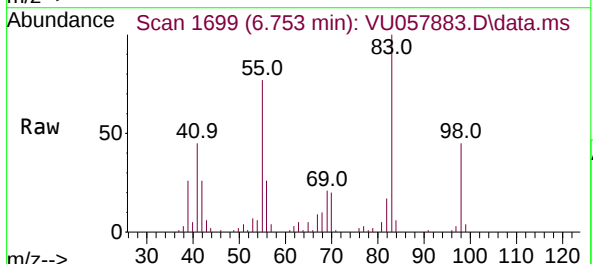
Instrument :
MSVOA_U
ClientSampleId :

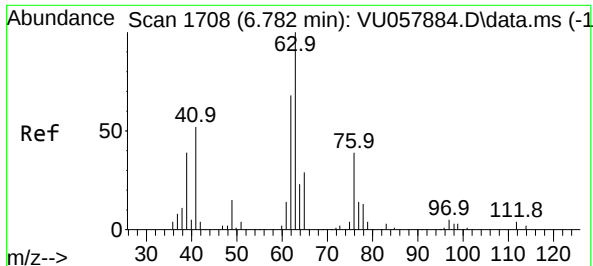
Tgt Ion: 95 Resp: 29881
Ion Ratio Lower Upper
95 100
97 67.4 44.2 82.2
132 90.4 61.4 114.0
130 96.4 63.8 118.4



#35
Methylcyclohexane
Concen: 12.716 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

Tgt Ion: 83 Resp: 45236
Ion Ratio Lower Upper
83 100
55 78.1 62.7 94.1
98 45.1 36.3 54.5





#37

1,2-Dichloropropane

Concen: 14.723 ug/L

RT: 6.782 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

Instrument :

MSVOA_U

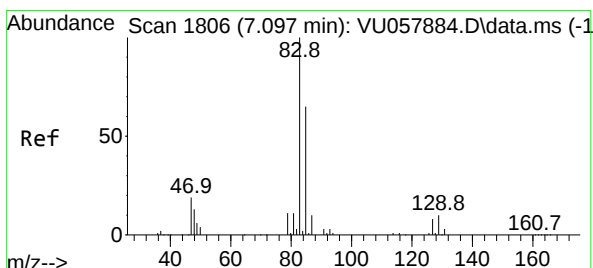
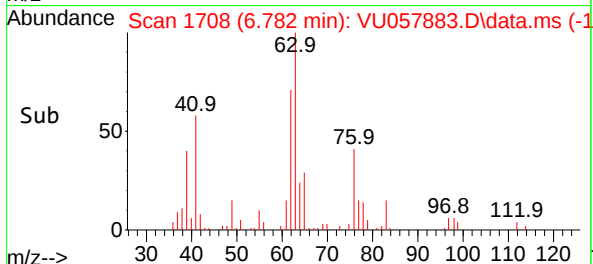
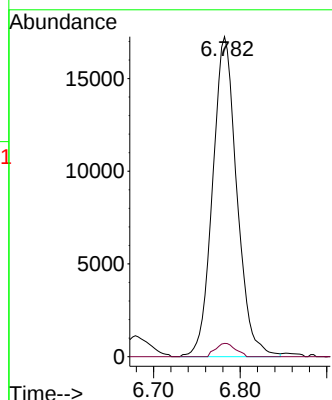
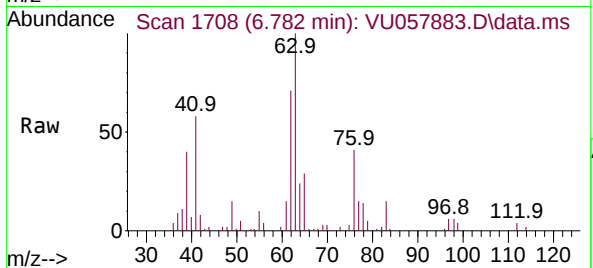
ClientSampleId :

Tgt Ion: 63 Resp: 33646

Ion Ratio Lower Upper

63 100

112 3.4 2.9 4.3



#38

Bromodichloromethane

Concen: 14.291 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

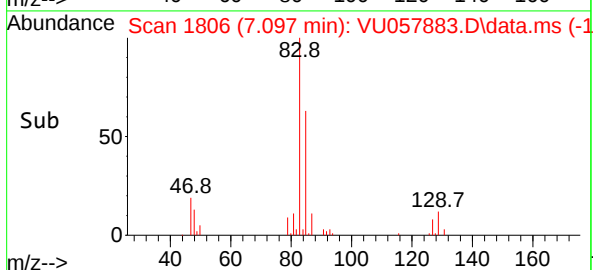
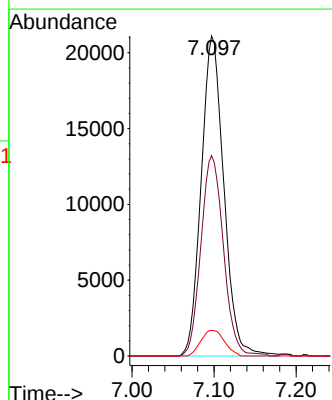
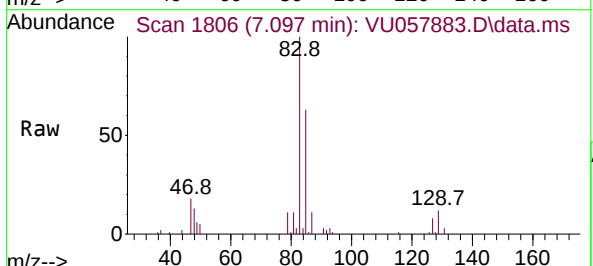
Tgt Ion: 83 Resp: 40488

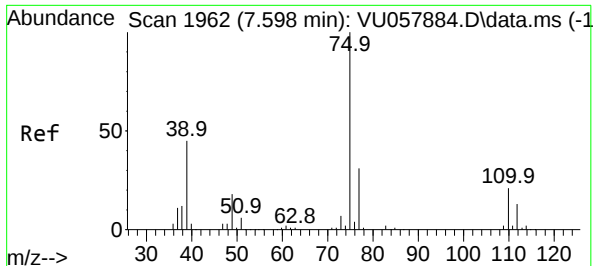
Ion Ratio Lower Upper

83 100

85 62.6 45.4 84.4

127 9.2 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 13.529 ug/L

RT: 7.599 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

Instrument :

MSVOA_U

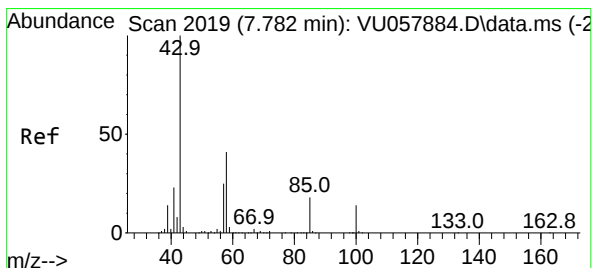
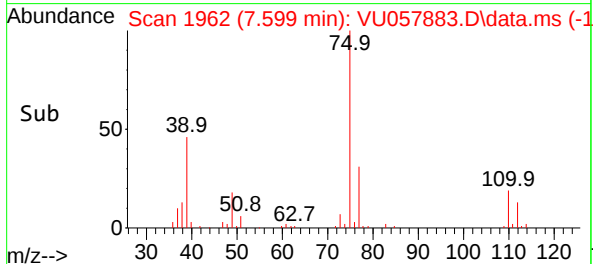
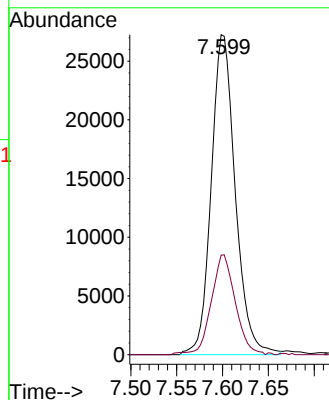
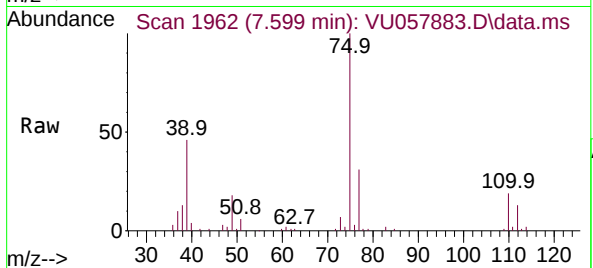
ClientSampleId :

Tgt Ion: 75 Resp: 49711

Ion Ratio Lower Upper

75 100

77 32.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 29.247 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

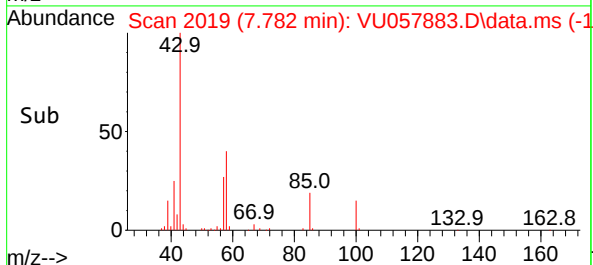
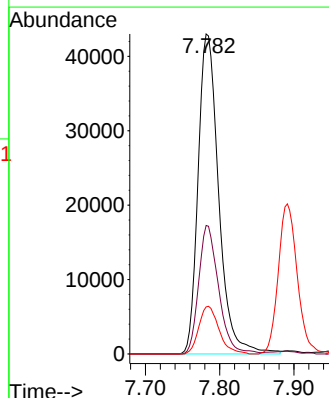
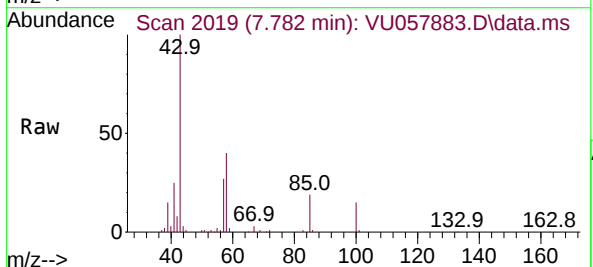
Tgt Ion: 43 Resp: 83081

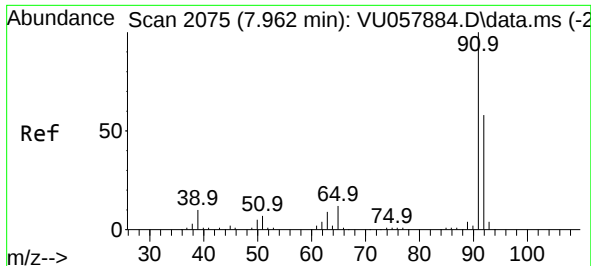
Ion Ratio Lower Upper

43 100

58 38.8 32.3 48.5

100 14.6 11.4 17.0





#42

Toluene

Concen: 13.908 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

Instrument :

MSVOA_U

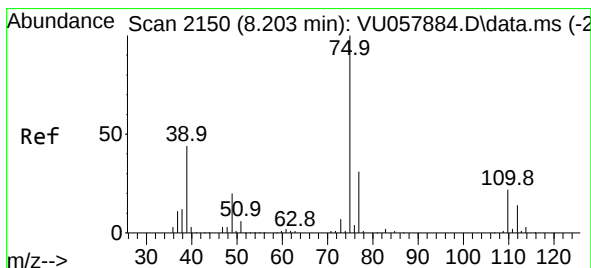
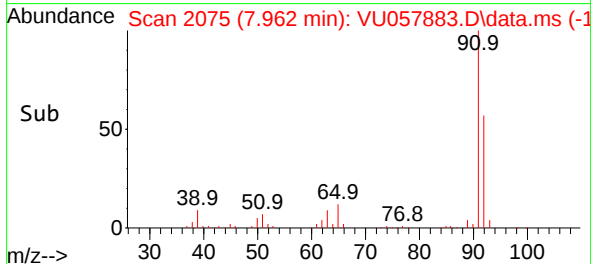
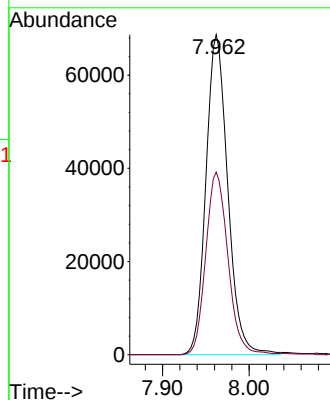
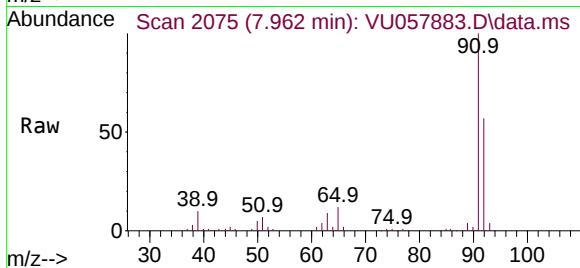
ClientSampleId :

Tgt Ion: 91 Resp: 120291

Ion Ratio Lower Upper

91 100

92 57.0 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 13.410 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU057883.D

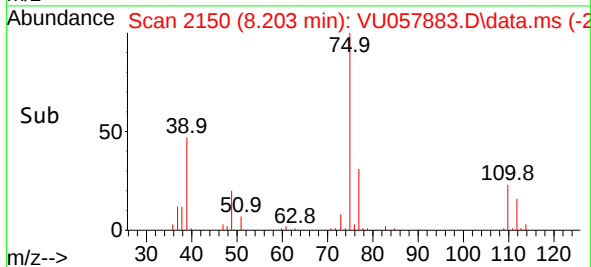
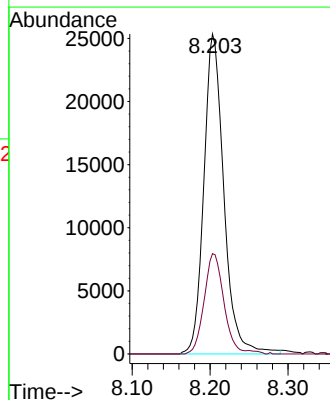
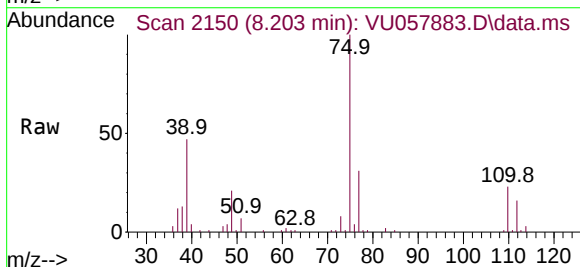
Acq: 19 Feb 2024 15:55

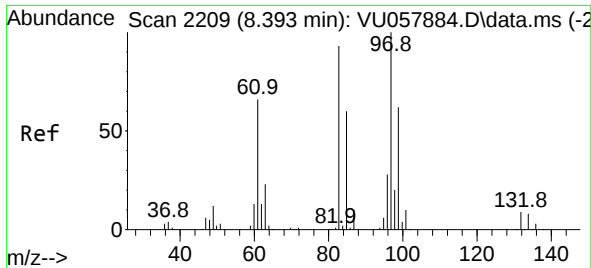
Tgt Ion: 75 Resp: 45233

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.4

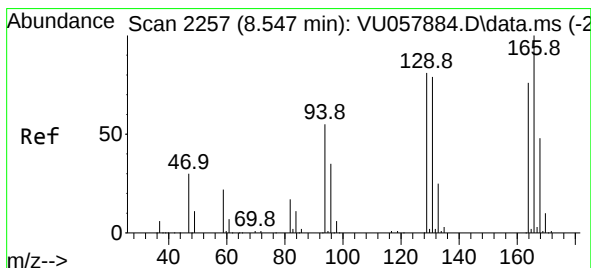
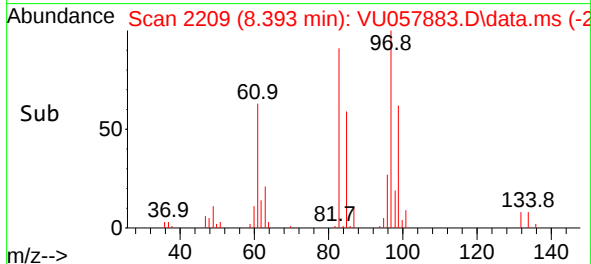
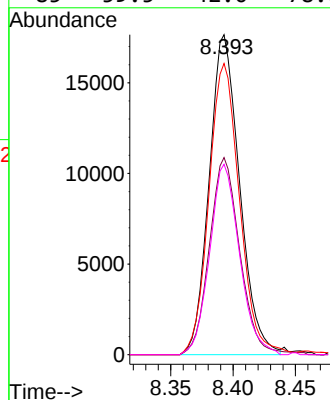
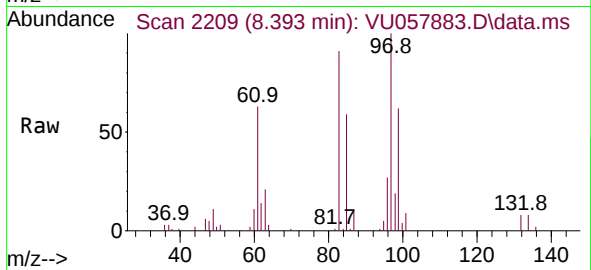




#45
1,1,2-Trichloroethane
Concen: 14.421 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

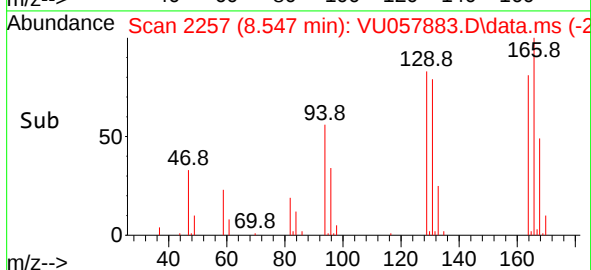
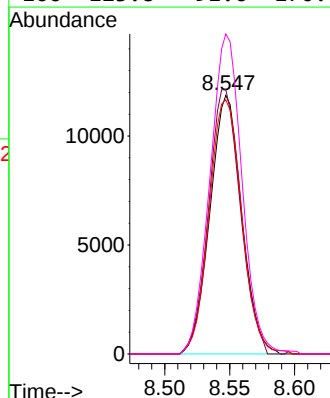
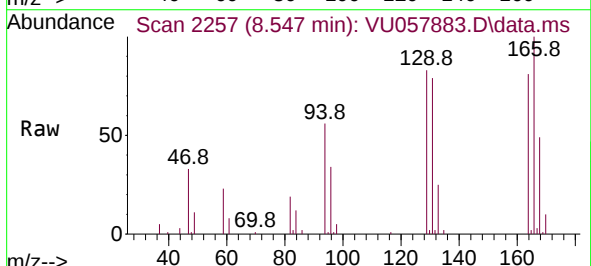
Instrument :
MSVOA_U
ClientSampleId :

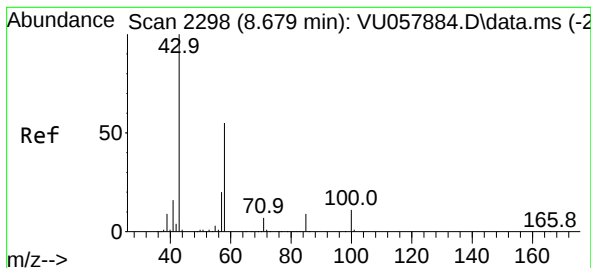
Tgt Ion:	97	Resp:	30036
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.0	80.0
83	91.0	65.0	120.6
85	59.5	42.0	78.0



#46
Tetrachloroethene
Concen: 13.167 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

Tgt Ion:	164	Resp:	20172
Ion	Ratio	Lower	Upper
164	100		
129	102.2	74.1	137.7
131	100.4	72.0	133.6
166	123.8	91.6	170.0





#48

2-Hexanone

Concen: 26.653 ug/L

RT: 8.679 min Scan# 21

Delta R.T. 0.000 min

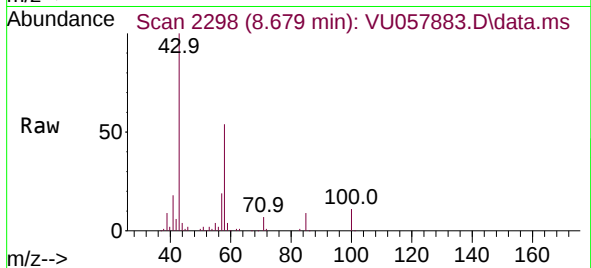
Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 65317

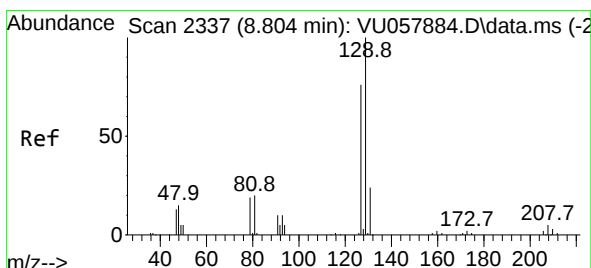
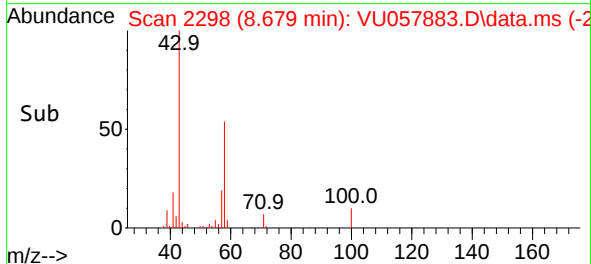
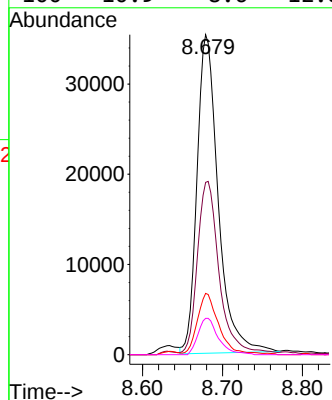
Ion Ratio Lower Upper

43 100

58 53.9 43.8 65.8

57 18.6 15.5 23.3

100 10.9 8.6 12.8



#49

Dibromochloromethane

Concen: 13.573 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. -0.003 min

Lab File: VU057883.D

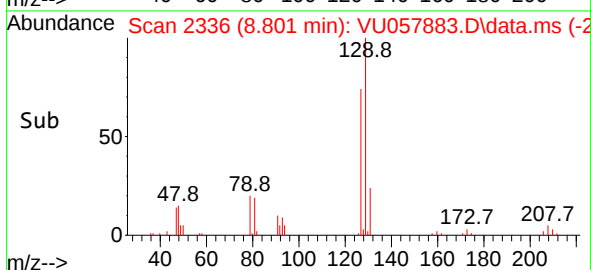
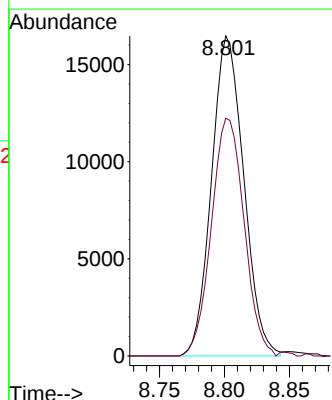
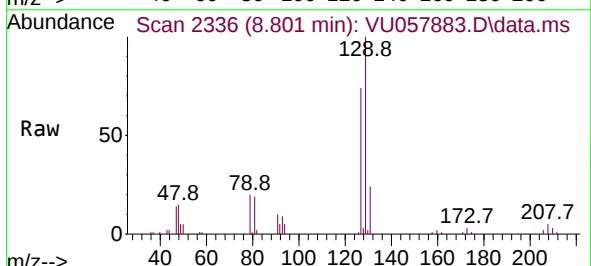
Acq: 19 Feb 2024 15:55

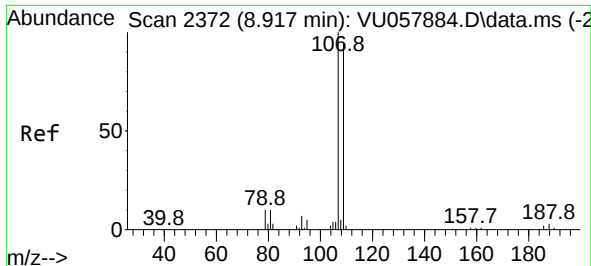
Tgt Ion: 129 Resp: 28453

Ion Ratio Lower Upper

129 100

127 74.3 53.3 99.1

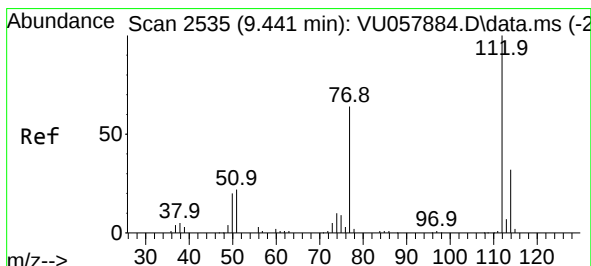
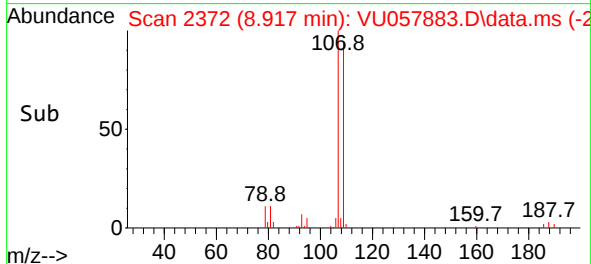
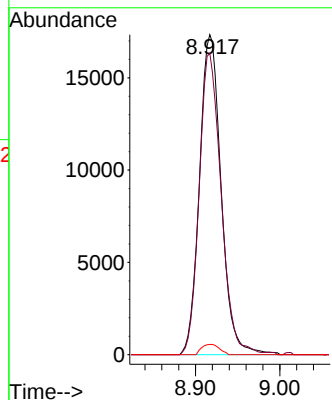
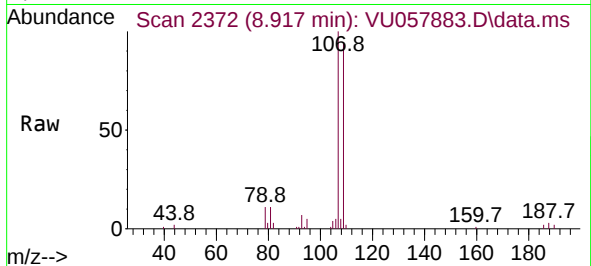




#50
1,2-Dibromoethane
Concen: 13.991 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

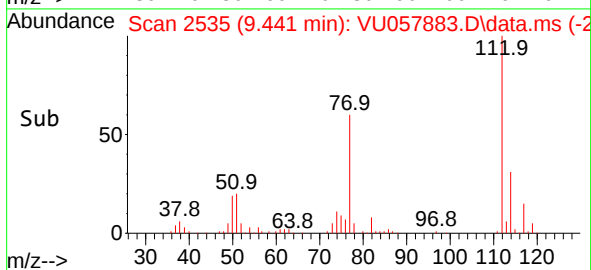
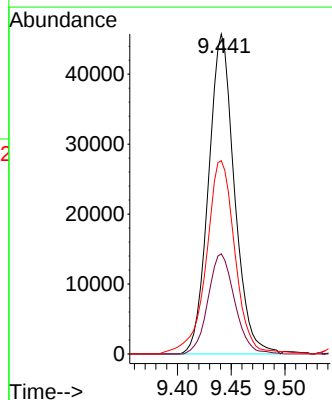
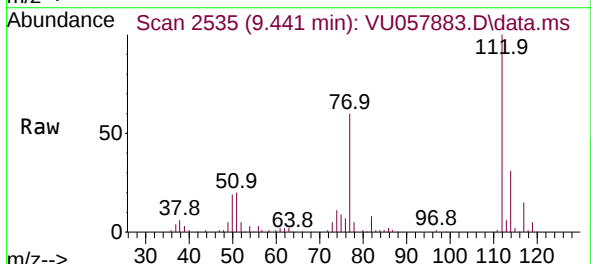
Instrument :
MSVOA_U
ClientSampleId :

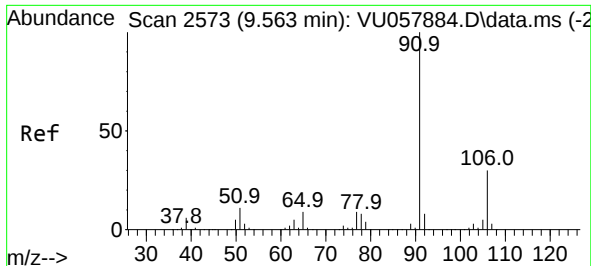
Tgt Ion:107 Resp: 31106
Ion Ratio Lower Upper
107 100
109 94.2 66.1 122.8
188 3.2 2.6 3.8



#51
Chlorobenzene
Concen: 14.014 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

Tgt Ion:112 Resp: 76637
Ion Ratio Lower Upper
112 100
114 31.3 22.7 42.1
77 60.4 51.8 77.8

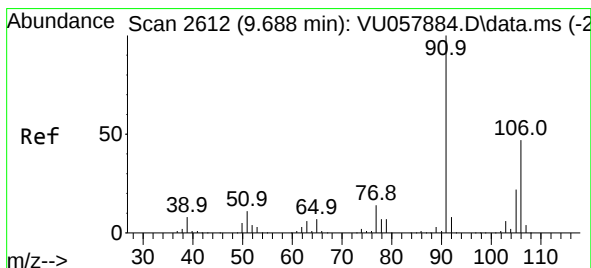
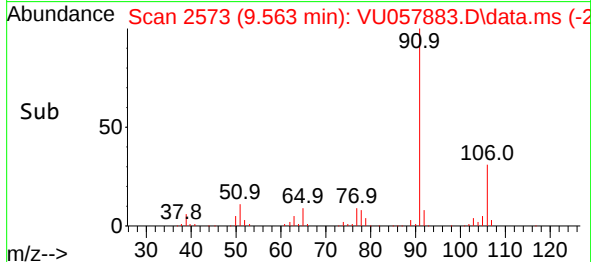
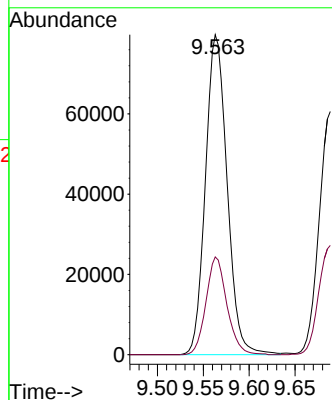
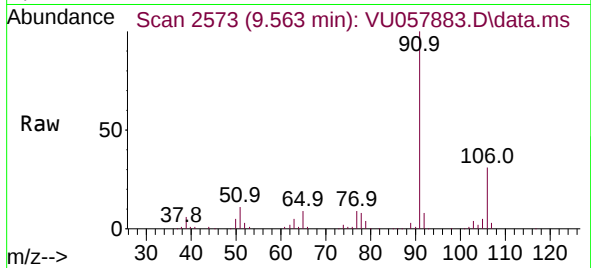




#52
Ethylbenzene
Concen: 13.367 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

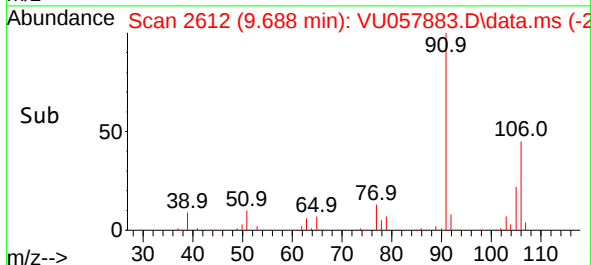
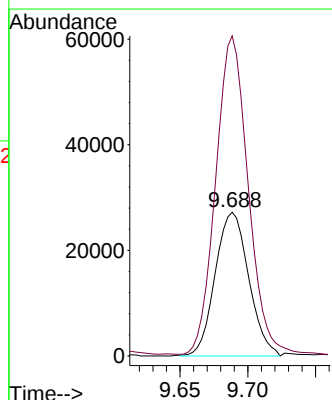
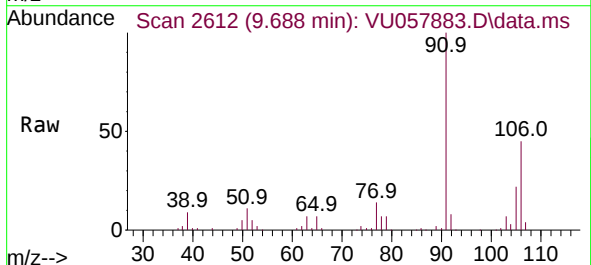
Instrument :
MSVOA_U
ClientSampleId :

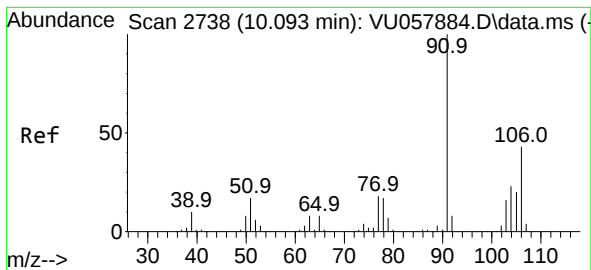
Tgt Ion: 91 Resp: 131120
Ion Ratio Lower Upper
91 100
106 33.5 21.1 39.1



#53
m,p-Xylene
Concen: 13.036 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

Tgt Ion:106 Resp: 46780
Ion Ratio Lower Upper
106 100
91 204.3 150.2 279.0





#54

o-Xylene

Concen: 13.276 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

Instrument :

MSVOA_U

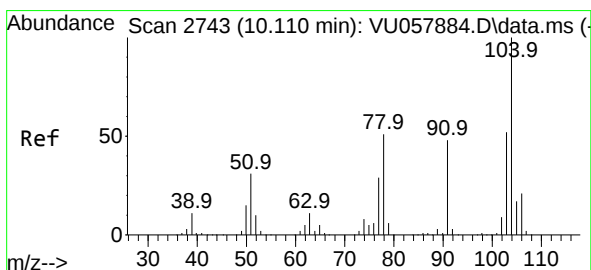
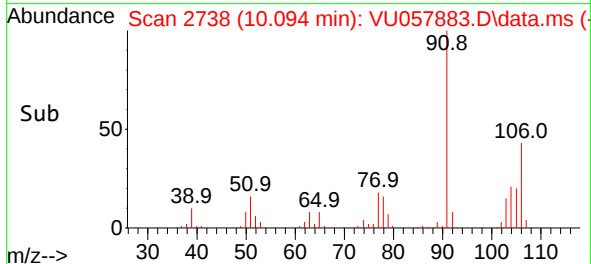
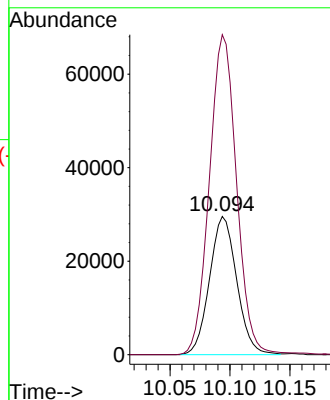
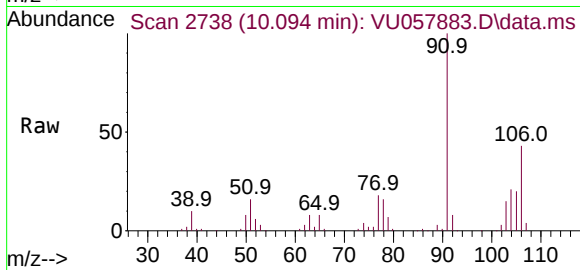
ClientSampleId :

Tgt Ion:106 Resp: 46635

Ion Ratio Lower Upper

106 100

91 231.4 161.3 299.5



#55

Styrene

Concen: 13.313 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU057883.D

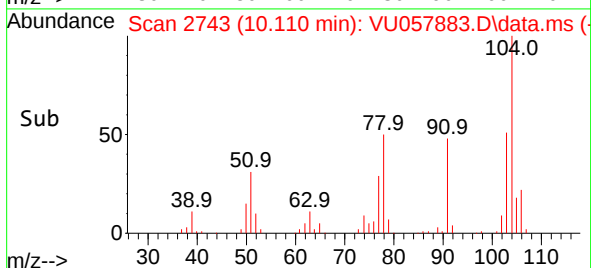
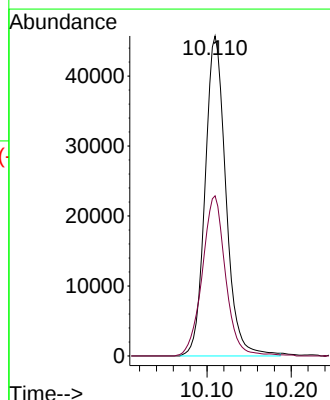
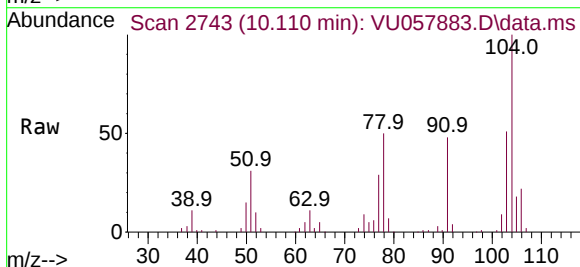
Acq: 19 Feb 2024 15:55

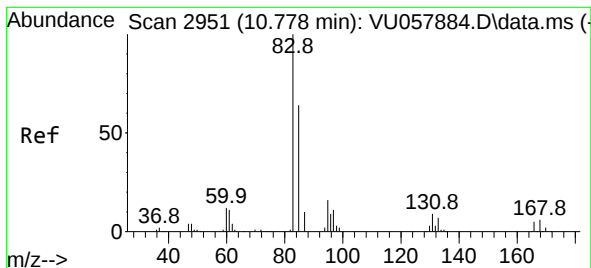
Tgt Ion:104 Resp: 78529

Ion Ratio Lower Upper

104 100

78 50.0 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 14.614 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

Instrument :

MSVOA_U

ClientSampleId :

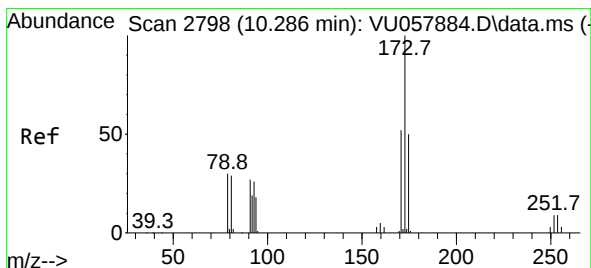
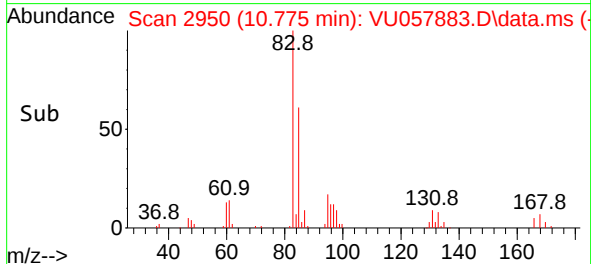
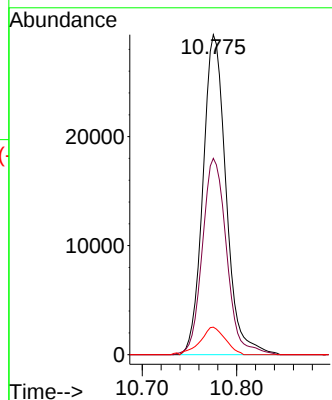
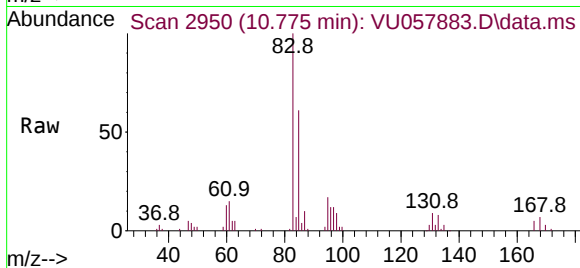
Tgt Ion: 83 Resp: 49832

Ion Ratio Lower Upper

83 100

85 61.4 45.2 84.0

131 8.6 7.8 11.6



#59

Bromoform

Concen: 13.029 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

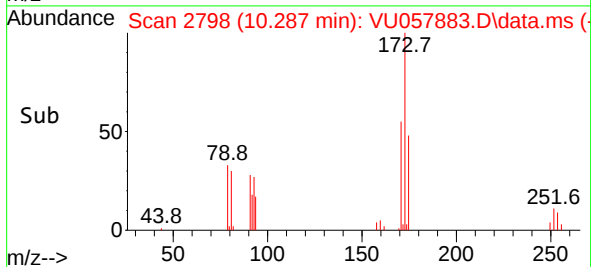
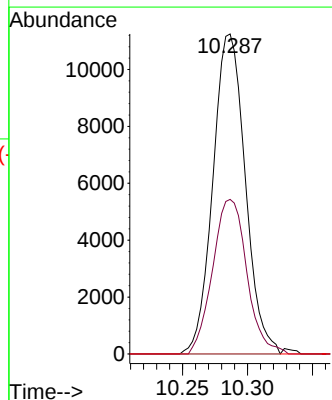
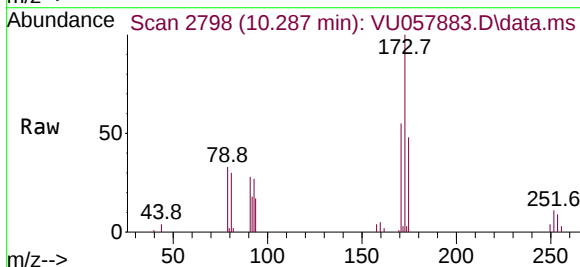
Tgt Ion:173 Resp: 19458

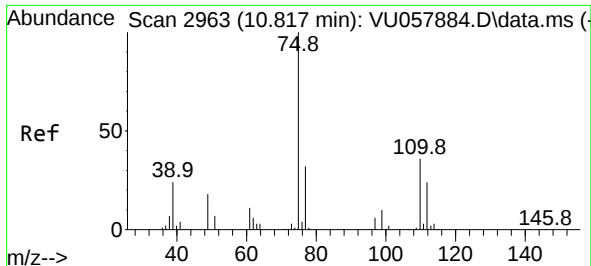
Ion Ratio Lower Upper

173 100

175 51.0 38.8 58.2

254 0.0 1.0 1.6#

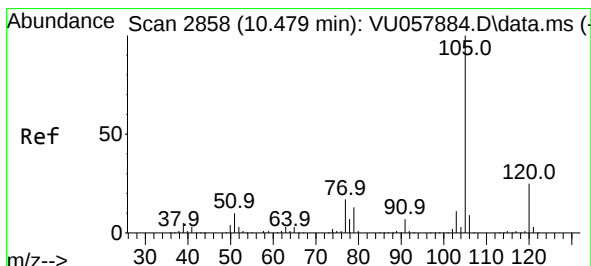
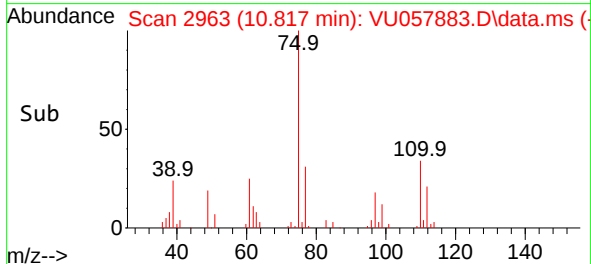
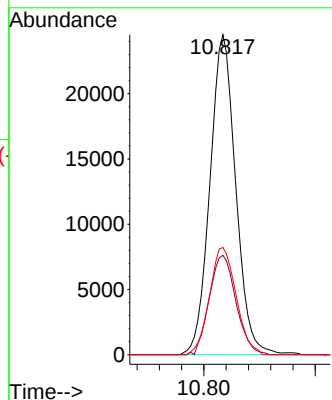
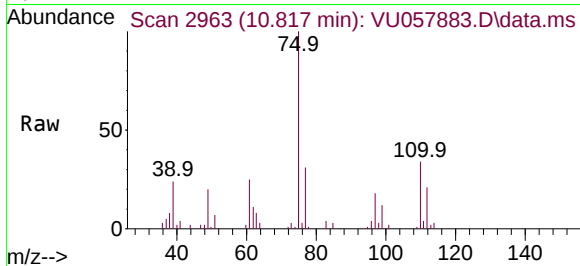




#60
1,2,3-Trichloropropane
Concen: 14.494 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

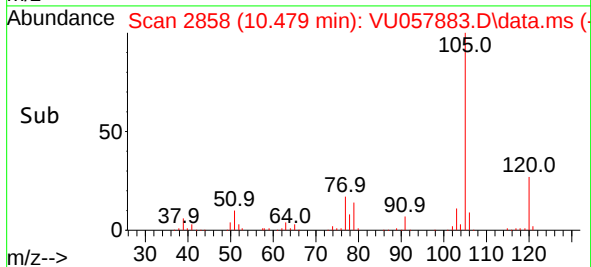
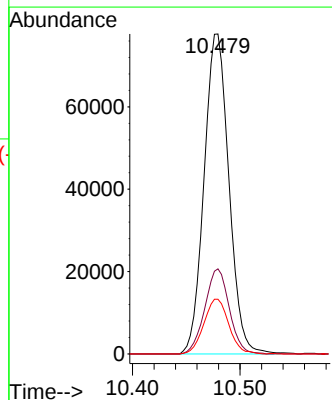
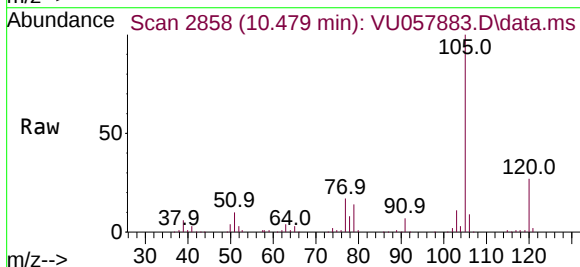
Instrument :
MSVOA_U
ClientSampleId :

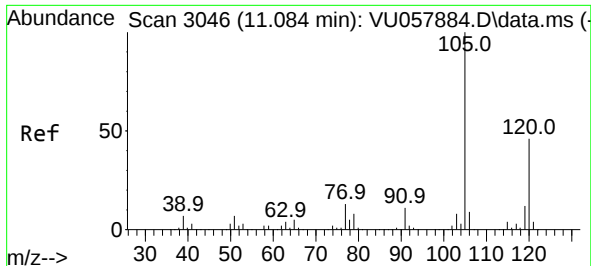
Tgt Ion:	75	Resp:	39372
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.9	38.9
110	34.6	28.3	42.5



#61
Isopropylbenzene
Concen: 13.244 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

Tgt Ion:	105	Resp:	124547
Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.5	30.7
77	17.2	13.5	20.3





#62

1,3,5-Trimethylbenzene

Concen: 13.327 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

Instrument :

MSVOA_U

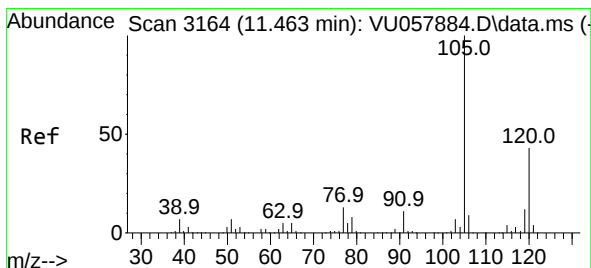
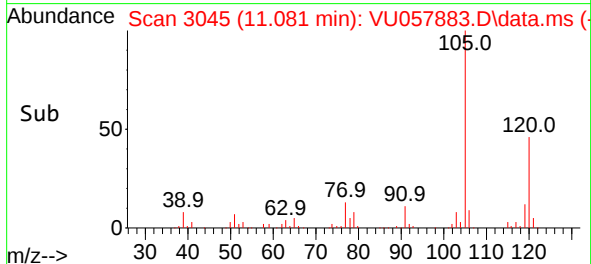
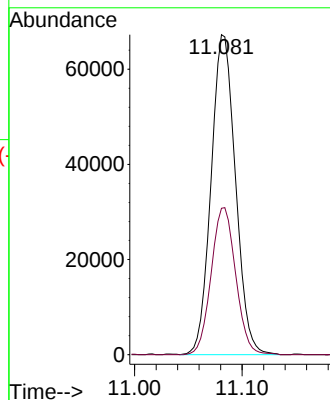
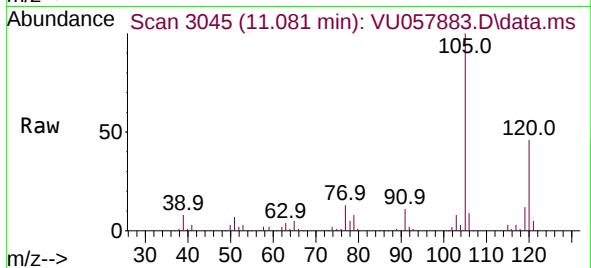
ClientSampleId :

Tgt Ion:105 Resp: 105991

Ion Ratio Lower Upper

105 100

120 46.2 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 13.305 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU057883.D

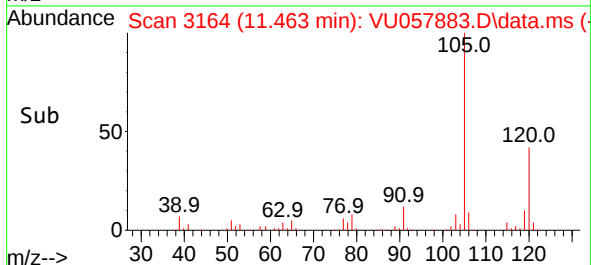
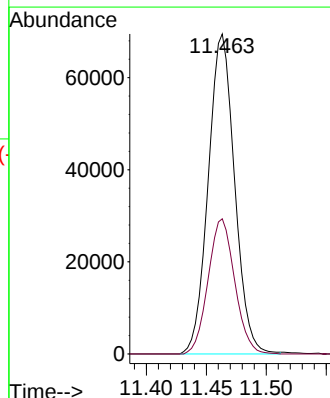
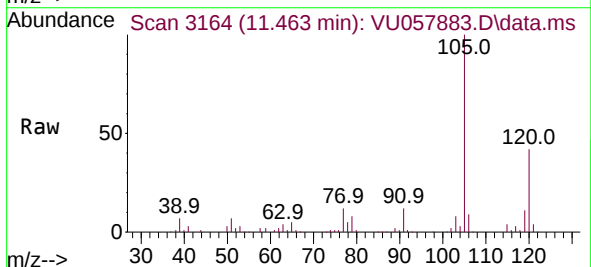
Acq: 19 Feb 2024 15:55

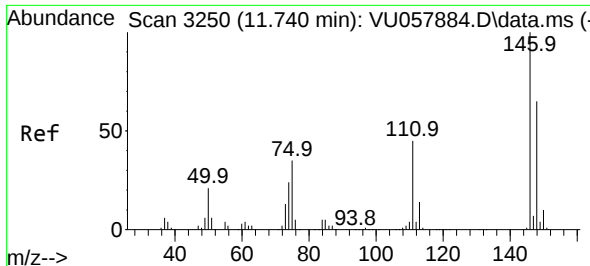
Tgt Ion:105 Resp: 106158

Ion Ratio Lower Upper

105 100

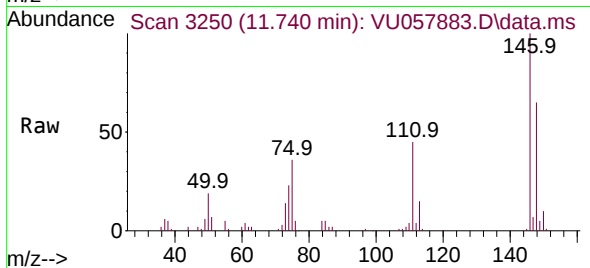
120 42.6 34.8 52.2



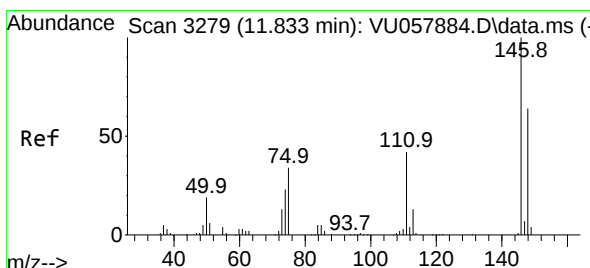
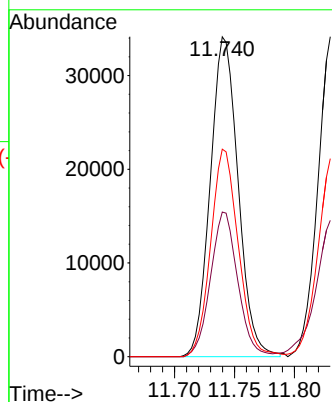
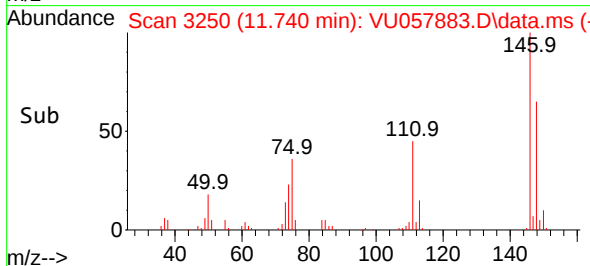


#64
1,3-Dichlorobenzene
Concen: 13.457 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

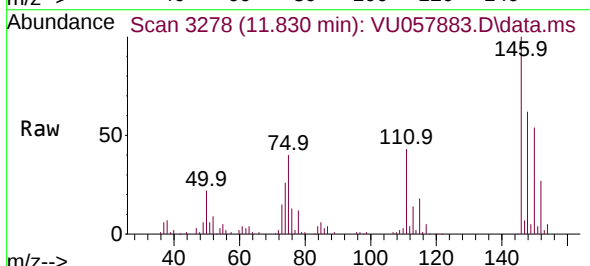
Instrument :
MSVOA_U
ClientSampleId :



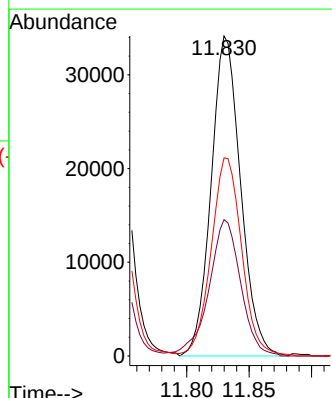
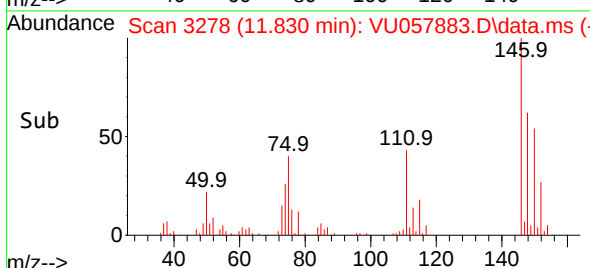
Tgt Ion:146 Resp: 55098
Ion Ratio Lower Upper
146 100
111 42.4 31.6 58.6
148 65.3 45.1 83.9

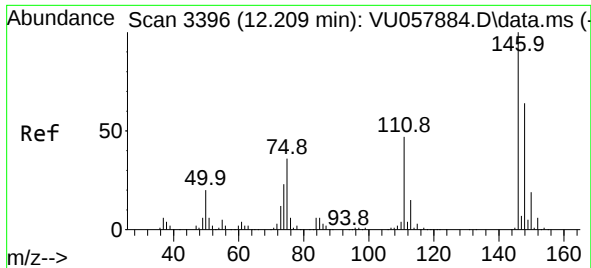


#65
1,4-Dichlorobenzene
Concen: 13.366 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55



Tgt Ion:146 Resp: 56222
Ion Ratio Lower Upper
146 100
111 42.6 29.9 55.5
148 67.2 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 13.532 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

Instrument :

MSVOA_U

ClientSampleId :

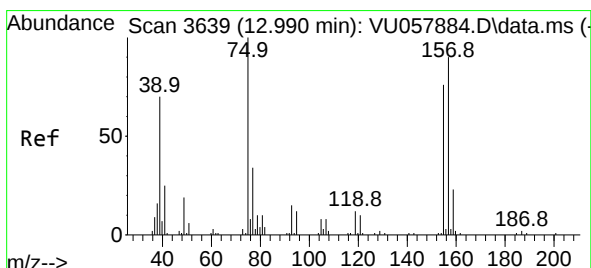
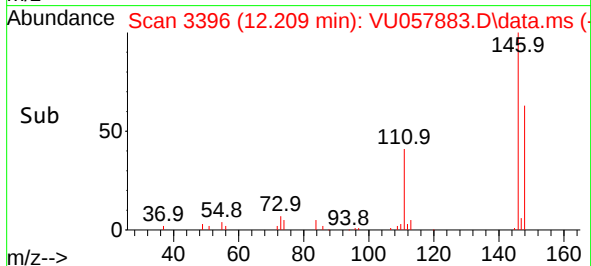
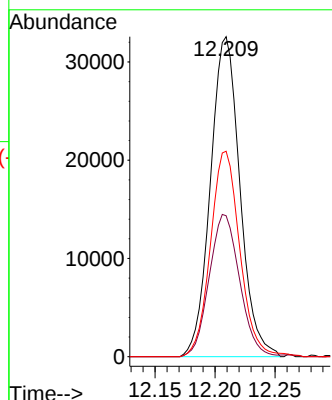
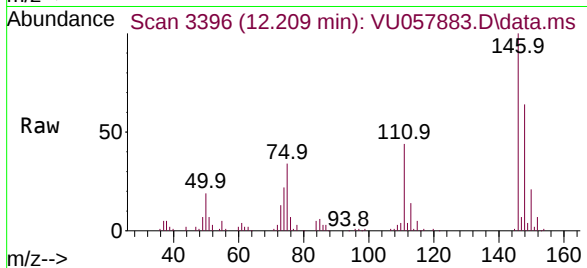
Tgt Ion:146 Resp: 55712

Ion Ratio Lower Upper

146 100

111 44.1 37.3 55.9

148 68.6 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 12.540 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

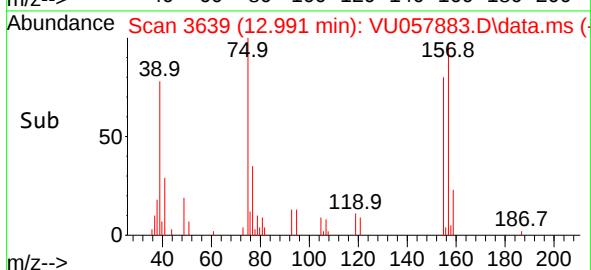
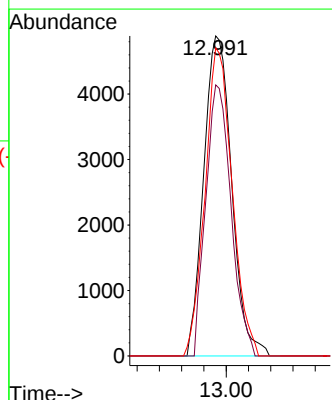
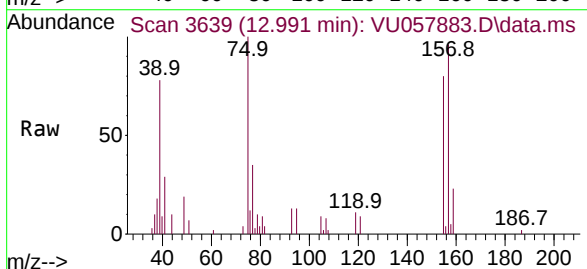
Tgt Ion: 75 Resp: 8522

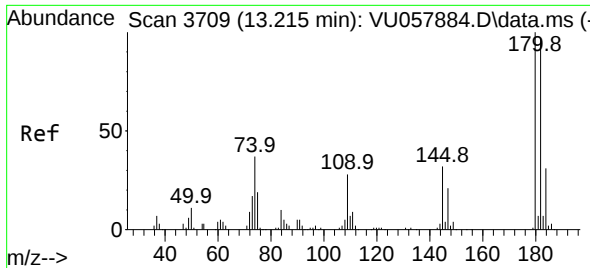
Ion Ratio Lower Upper

75 100

155 75.7 63.2 94.8

157 90.2 74.6 112.0





#69

1,3,5-Trichlorobenzene

Concen: 12.740 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 36261

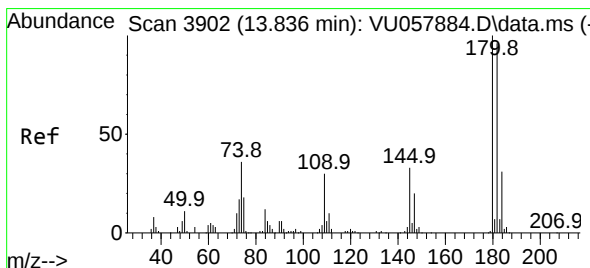
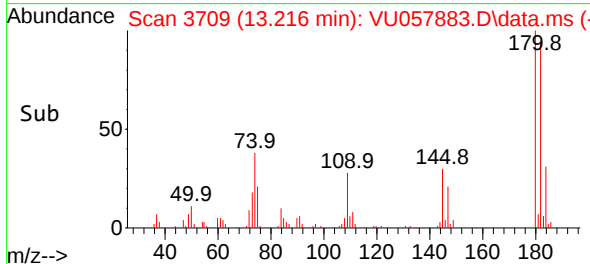
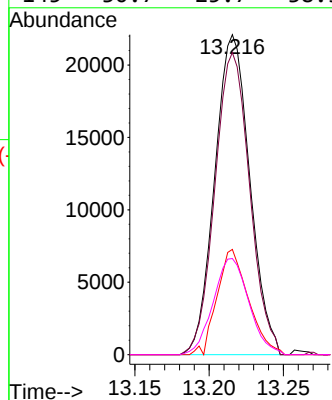
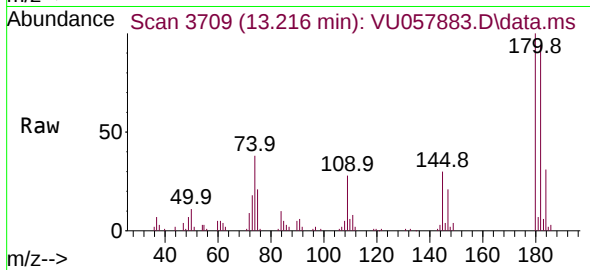
Ion Ratio Lower Upper

180 100

182 93.7 77.6 116.4

184 29.1 24.1 36.1

145 30.7 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 11.563 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU057883.D

Acq: 19 Feb 2024 15:55

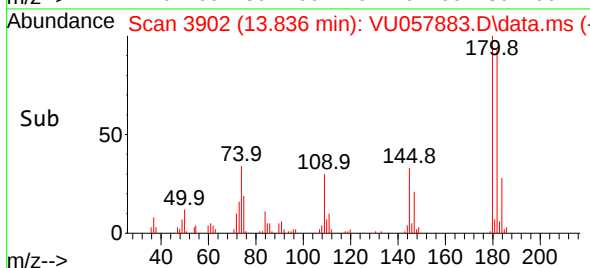
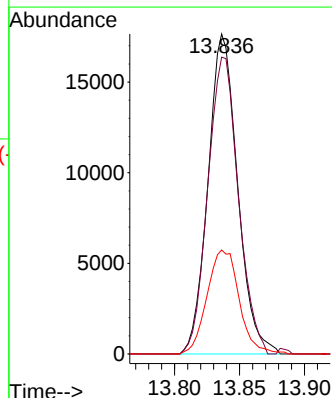
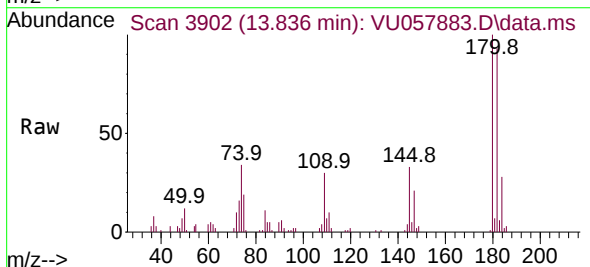
Tgt Ion:180 Resp: 27963

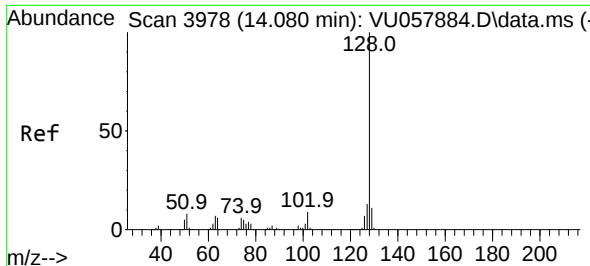
Ion Ratio Lower Upper

180 100

182 95.6 75.8 113.6

145 35.1 25.9 38.9

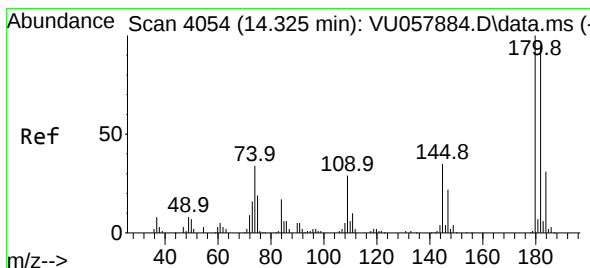
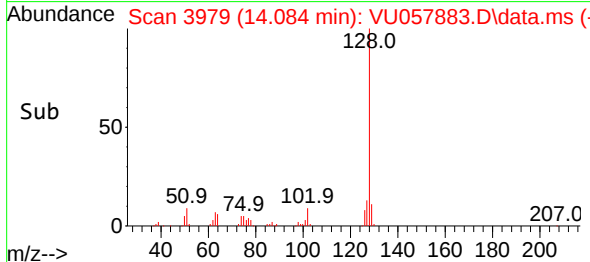
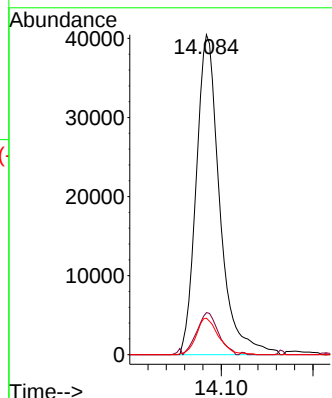
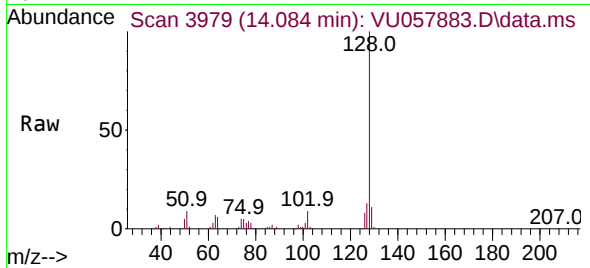




#71
Naphthalene
Concen: 11.122 ug/L
RT: 14.084 min Scan# 3978
Delta R.T. 0.003 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128	Resp:	71894
Ion Ratio	Lower	Upper
128	100	
127	12.0	10.2 15.4
129	10.9	8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 11.433 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU057883.D
Acq: 19 Feb 2024 15:55

Tgt Ion:180	Resp:	25890
Ion Ratio	Lower	Upper
180	100	
182	97.0	75.4 113.2
145	34.9	27.8 41.8

