

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021924\
 Data File : VU057882.D
 Acq On : 19 Feb 2024 15:31
 Operator : MD/SY
 Sample : VSTD005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 20 01:17:08 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	279588	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	265743	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	123275	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	9523	4.319	ug/L	0.00
7) Chloroethane-d5	1.891	69	6691	3.965	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	63	17209	4.253	ug/L	0.00
21) 2-Butanone-d5	4.634	46	8247	7.110	ug/L	0.02
24) Chloroform-d	5.055	84	15564	4.005	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	9558	3.883	ug/L	0.00
32) Benzene-d6	5.721	84	30654	3.929	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	9926	4.013	ug/L	0.00
41) Toluene-d8	7.894	98	28010	3.972	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	4464	3.709	ug/L	0.00
47) 2-Hexanone-d5	8.634	63	6919	6.970	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	13222	4.074	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	9486	4.122	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	14819	5.832	ug/L	99
3) Chloromethane	1.515	50	15452	6.405	ug/L	96
5) Vinyl chloride	1.599	62	14649	5.836	ug/L	98
6) Bromomethane	1.827	94	8073	5.804	ug/L	96
8) Chloroethane	1.914	64	8845	5.968	ug/L	99
9) Trichlorofluoromethane	2.126	101	18141	5.288	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	10509	5.195	ug/L	98
12) 1,1-Dichloroethene	2.570	96	9497	5.140	ug/L	94
13) Acetone	2.615	43	13653	8.828	ug/L	99
14) Carbon disulfide	2.782	76	31699	5.506	ug/L	100
15) Methyl Acetate	2.940	43	10623	5.157	ug/L	98
16) Methylene chloride	3.033	84	15587	7.263	ug/L	91
17) trans-1,2-Dichloroethene	3.345	96	10055	5.326	ug/L	95
18) Methyl tert-butyl Ether	3.348	73	33795	5.111	ug/L	98
19) 1,1-Dichloroethane	3.856	63	20043	5.272	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	11138	5.114	ug/L	93
22) 2-Butanone	4.708	43	14060	8.341	ug/L	96
23) Bromochloromethane	4.965	128	5553	5.229	ug/L	94
25) Chloroform	5.074	83	20238	5.231	ug/L	99
27) 1,2-Dichloroethane	5.788	62	17306	5.397	ug/L	99
29) Cyclohexane	5.377	56	18942	5.425	ug/L	96
30) 1,1,1-Trichloroethane	5.306	97	16779	4.928	ug/L	99
31) Carbon tetrachloride	5.512	117	14151	4.765	ug/L	100
33) Benzene	5.766	78	44204	5.255	ug/L	100
34) Trichloroethene	6.537	95	11365	5.049	ug/L	93
35) Methylcyclohexane	6.753	83	18875	5.214	ug/L	98
37) 1,2-Dichloropropane	6.782	63	12523	5.385	ug/L #	94
38) Bromodichloromethane	7.097	83	14390	4.991	ug/L #	98
39) cis-1,3-Dichloropropene	7.602	75	17140	4.584	ug/L	96
40) 4-Methyl-2-pentanone	7.785	43	29004	10.034	ug/L	99
42) Toluene	7.965	91	45230	5.139	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	16132	4.700	ug/L	98

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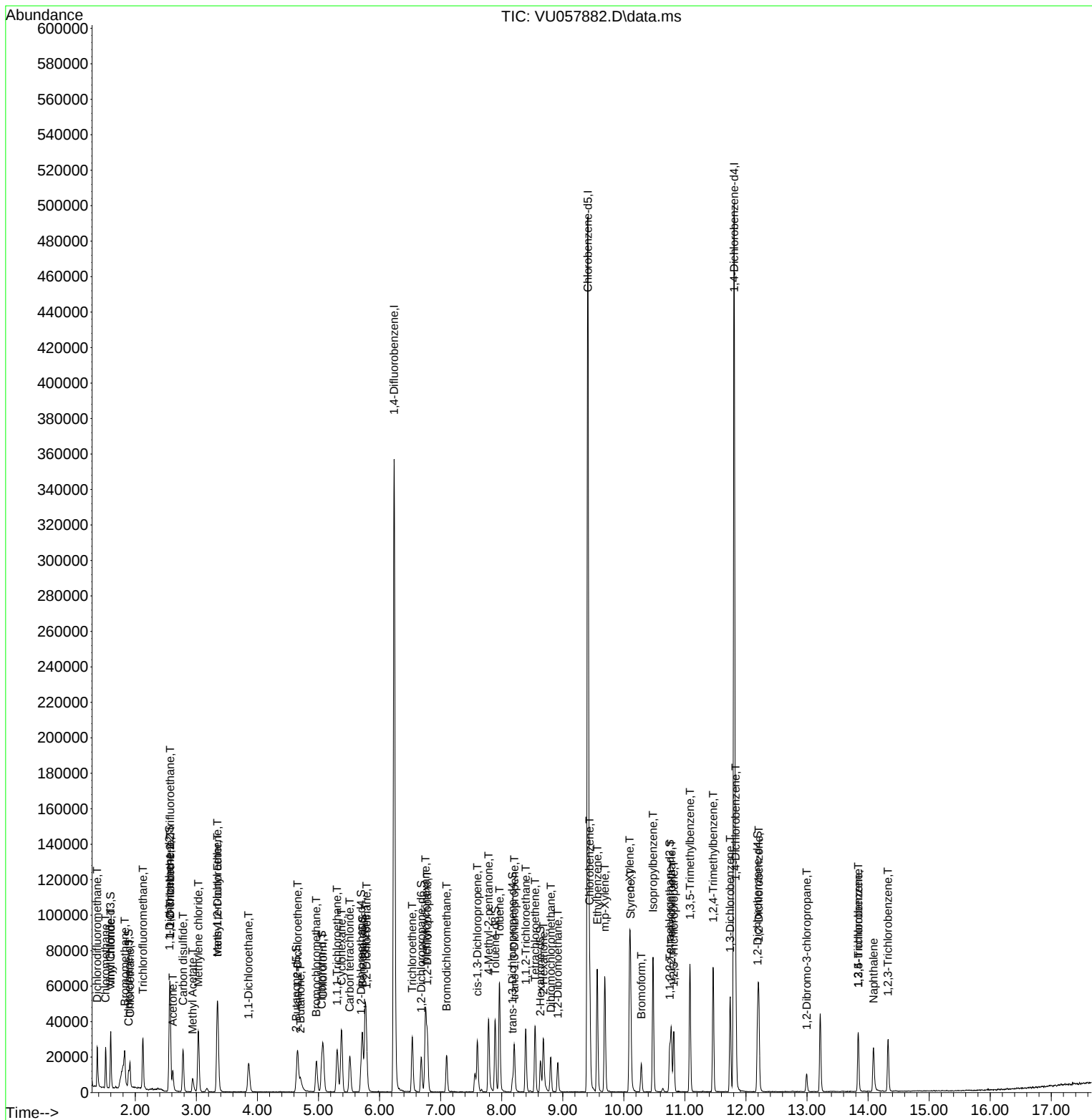
Instrument :
 MSVOA_U
 ClientSampleId :

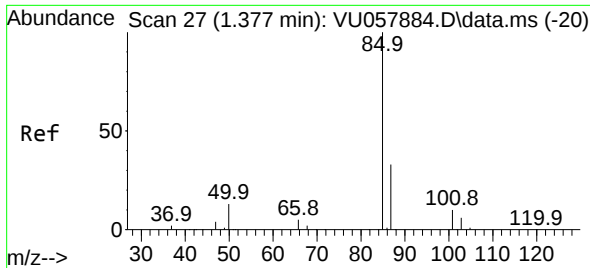
Quant Time: Feb 20 01:17:08 2024
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 Quant Title : VOC Analysis
 QLast Update : Tue Feb 20 01:16:43 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.396	97	11271	5.318	ug/L	94
46) Tetrachloroethene	8.547	164	7840	5.029	ug/L	95
48) 2-Hexanone	8.685	43	23942	9.601	ug/L	92
49) Dibromochloromethane	8.804	129	10338	4.846	ug/L	98
50) 1,2-Dibromoethane	8.920	107	11506	5.086	ug/L	94
51) Chlorobenzene	9.441	112	29422	5.287	ug/L	99
52) Ethylbenzene	9.566	91	49803	4.989	ug/L	93
53) m,p-Xylene	9.688	106	17881	4.897	ug/L	87
54) o-Xylene	10.097	106	17316	4.844	ug/L	94
55) Styrene	10.113	104	28239	4.705	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	17618	5.077	ug/L	98
59) Bromoform	10.286	173	6607	4.646	ug/L #	99
60) 1,2,3-Trichloropropane	10.820	75	14141	5.467	ug/L	97
61) Isopropylbenzene	10.479	105	47583	5.314	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	38901	5.137	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	38654	5.088	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	20876	5.355	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	21980	5.487	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	20193	5.151	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.997	75	2972	4.593	ug/L	93
69) 1,3,5-Trichlorobenzene	13.839	180	10040	3.704	ug/L	96
70) 1,2,4-trichlorobenzene	13.839	180	10040	4.360	ug/L	98
71) Naphthalene	14.090	128	24137	3.921	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	9139	4.238	ug/L	97

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

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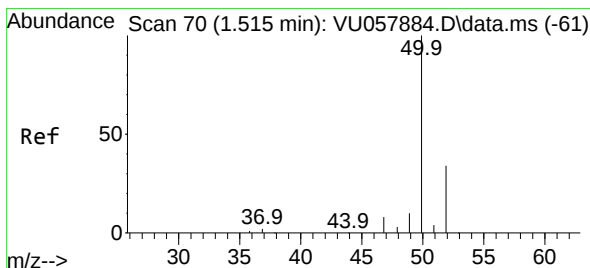
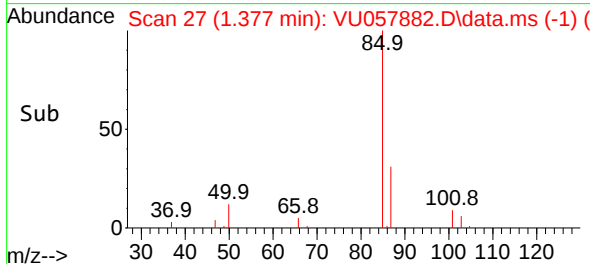
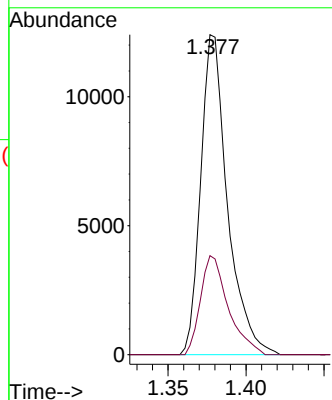
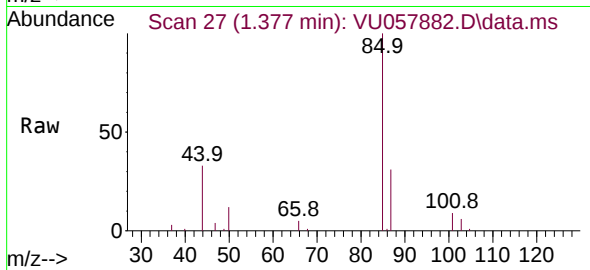




#2
 Dichlorodifluoromethane
 Concen: 5.832 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU057882.D
 Acq: 19 Feb 2024 15:31

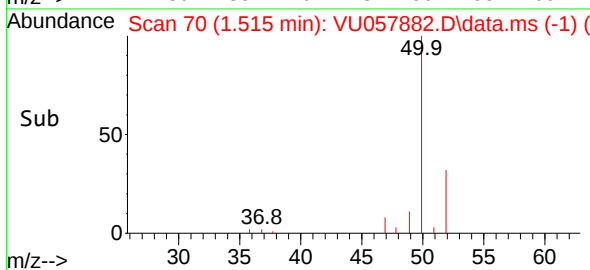
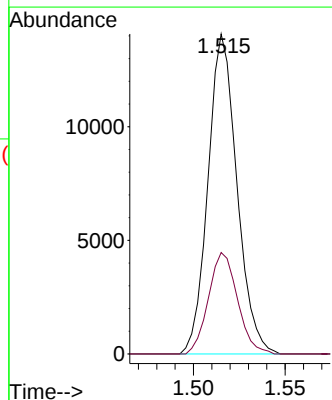
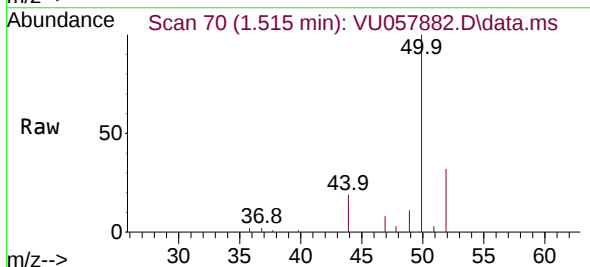
Instrument :
 MSVOA_U
 ClientSampleId :

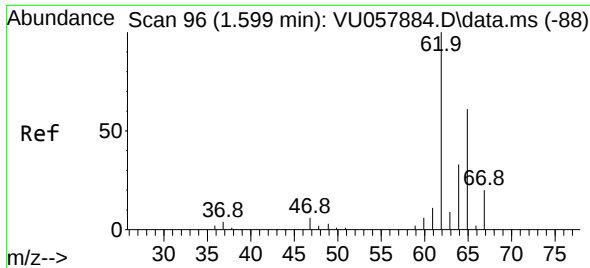
Tgt Ion: 85 Resp: 14819
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.2 39.2



#3
 Chloromethane
 Concen: 6.405 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU057882.D
 Acq: 19 Feb 2024 15:31

Tgt Ion: 50 Resp: 15452
 Ion Ratio Lower Upper
 50 100
 52 31.7 23.8 44.2

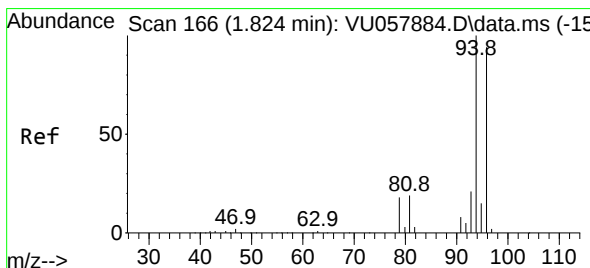
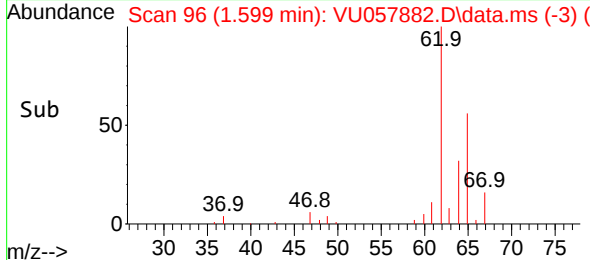
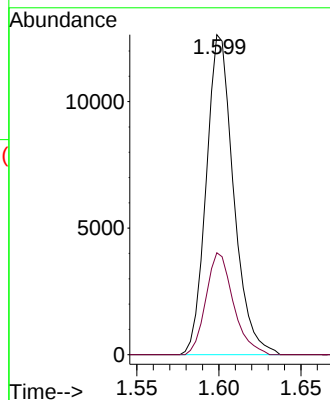
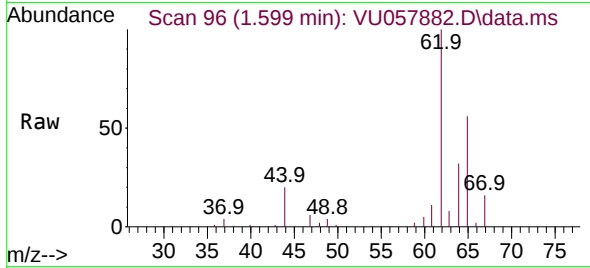




#5
Vinyl chloride
Concen: 5.836 ug/L
RT: 1.599 min Scan# 90
Delta R.T. 0.000 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

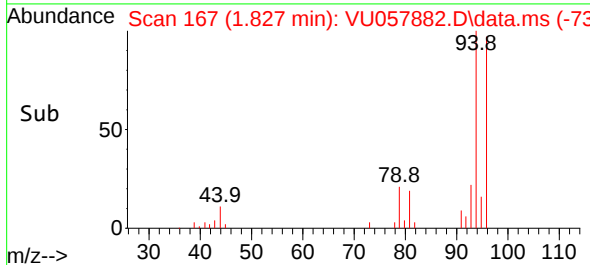
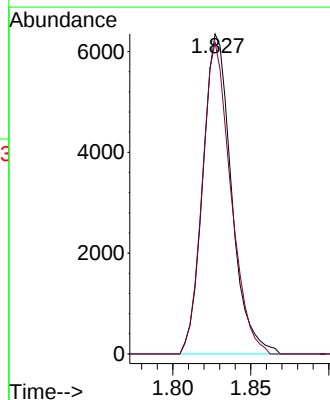
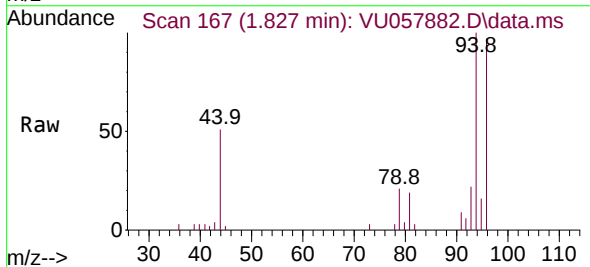
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MSVOA_U
ClientSampleId :

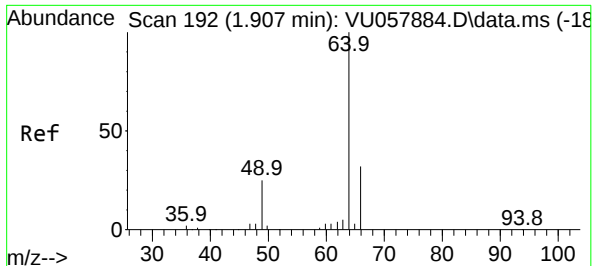
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.8	23.1	42.9



#6
Bromomethane
Concen: 5.804 ug/L
RT: 1.827 min Scan# 167
Delta R.T. 0.003 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

Tgt Ion	Ratio	Lower	Upper
94	100		
96	97.3	65.5	121.7

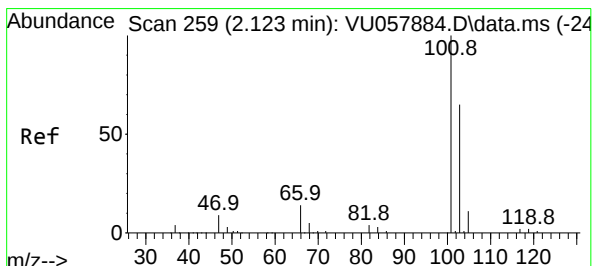
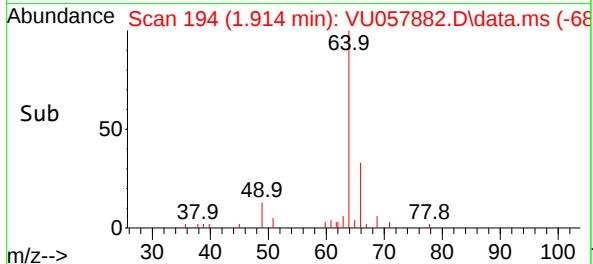
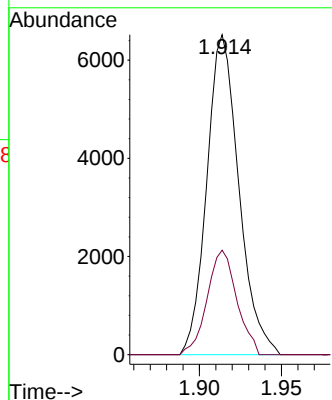
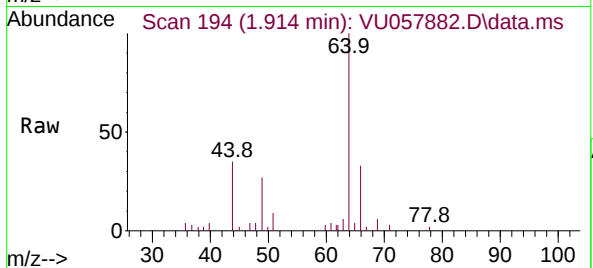




#8
Chloroethane
Concen: 5.968 ug/L
RT: 1.914 min Scan# 19
Delta R.T. 0.007 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

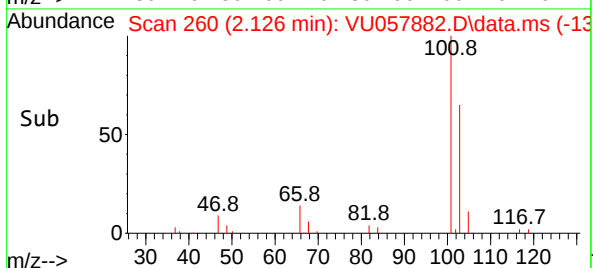
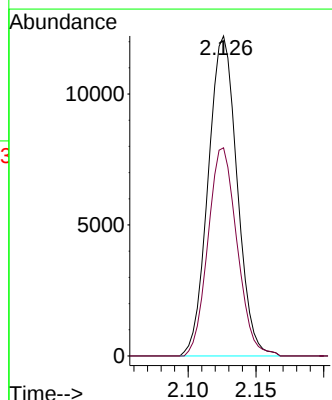
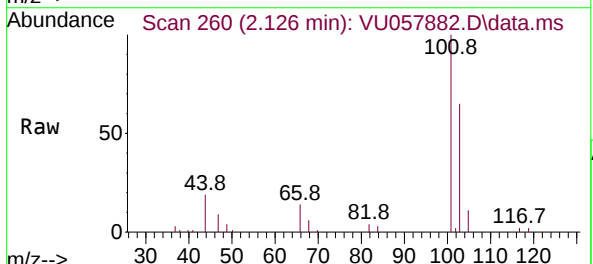
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MSVOA_U
ClientSampleId :

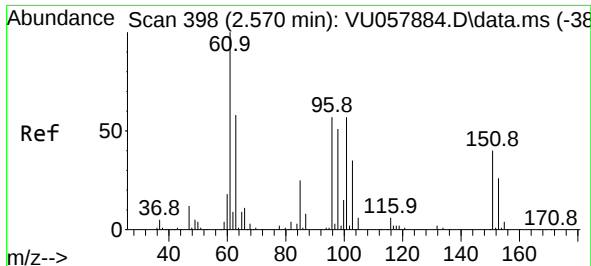
Tgt Ion: 64 Resp: 8845
Ion Ratio Lower Upper
64 100
66 32.7 22.5 41.9



#9
Trichlorofluoromethane
Concen: 5.288 ug/L
RT: 2.126 min Scan# 260
Delta R.T. 0.003 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

Tgt Ion: 101 Resp: 18141
Ion Ratio Lower Upper
101 100
103 65.4 51.7 77.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.195 ug/L

RT: 2.570 min Scan# 398

Delta R.T. 0.000 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

Instrument :

MSVOA_U

ClientSampleId :

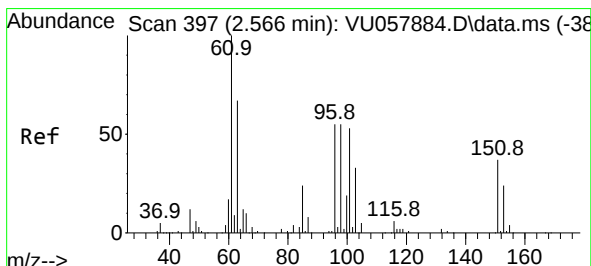
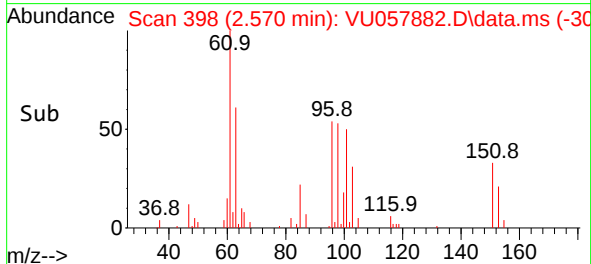
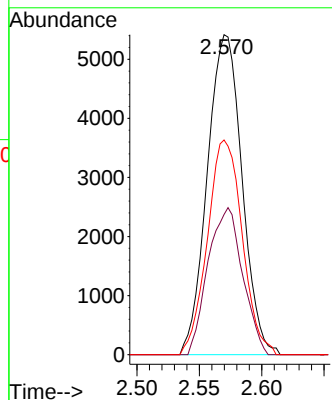
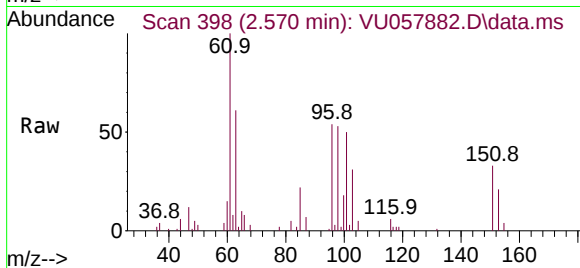
Tgt Ion:101 Resp: 10509

Ion Ratio Lower Upper

101 100

85 45.7 35.7 53.5

151 67.3 55.8 83.6



#12

1,1-Dichloroethene

Concen: 5.140 ug/L

RT: 2.570 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

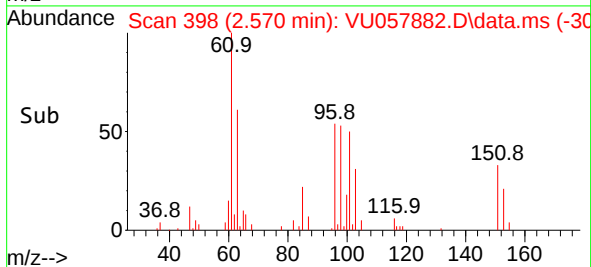
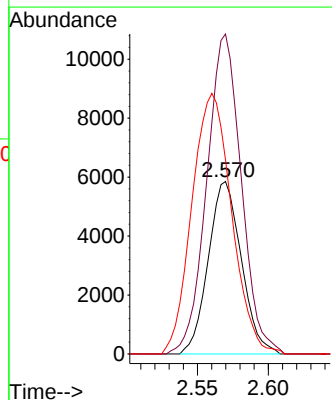
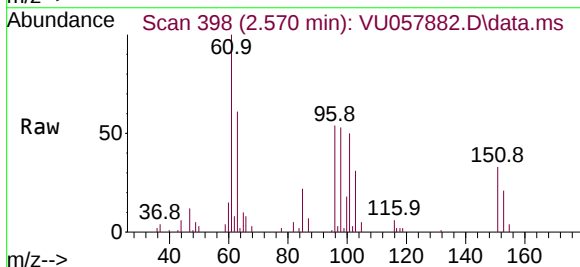
Tgt Ion: 96 Resp: 9497

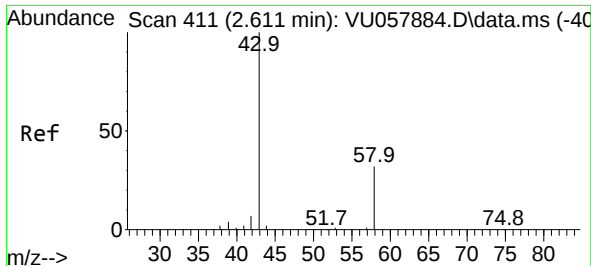
Ion Ratio Lower Upper

96 100

61 185.6 126.8 235.6

63 112.8 86.5 160.7





#13

Acetone

Concen: 8.828 ug/L

RT: 2.615 min Scan# 411

Delta R.T. 0.003 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

Instrument :

MSVOA_U

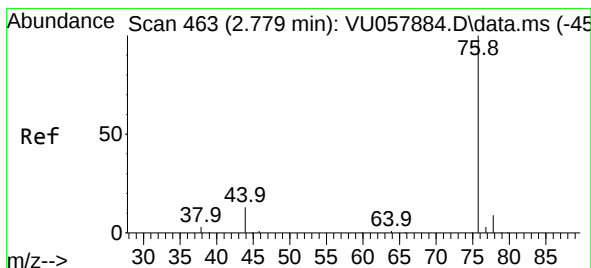
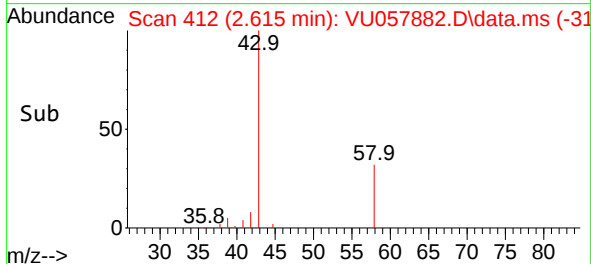
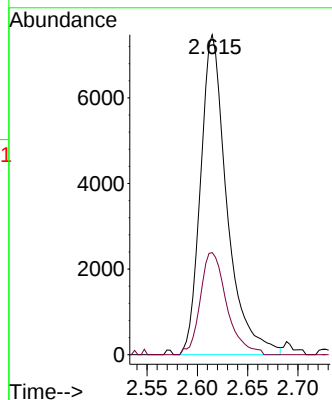
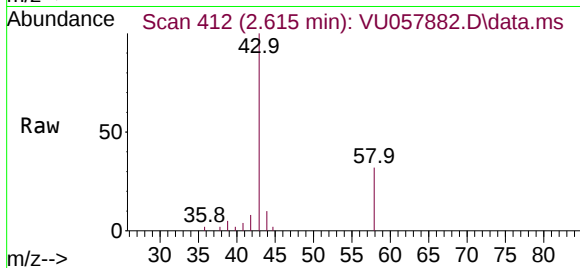
ClientSampleId :

Tgt Ion: 43 Resp: 13653

Ion Ratio Lower Upper

43 100

58 31.5 0.0 64.2



#14

Carbon disulfide

Concen: 5.506 ug/L

RT: 2.782 min Scan# 464

Delta R.T. 0.003 min

Lab File: VU057882.D

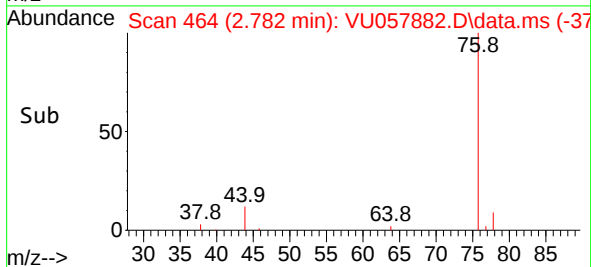
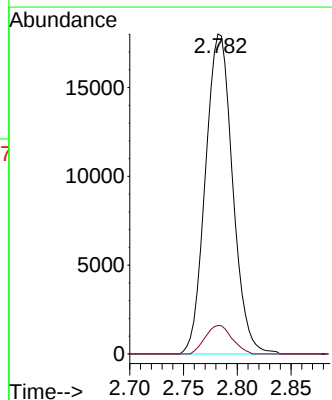
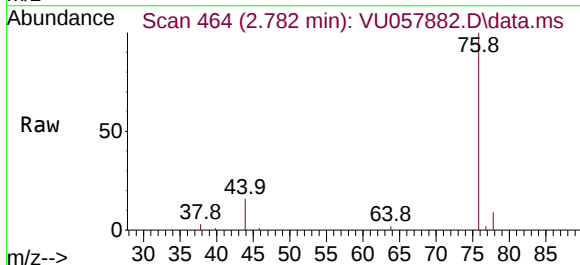
Acq: 19 Feb 2024 15:31

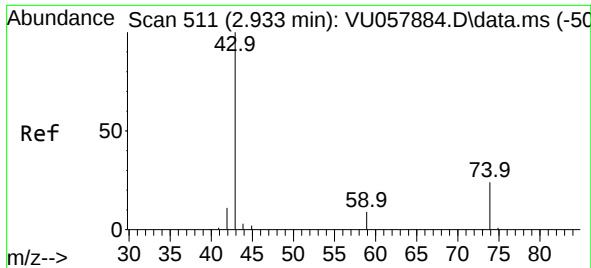
Tgt Ion: 76 Resp: 31699

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

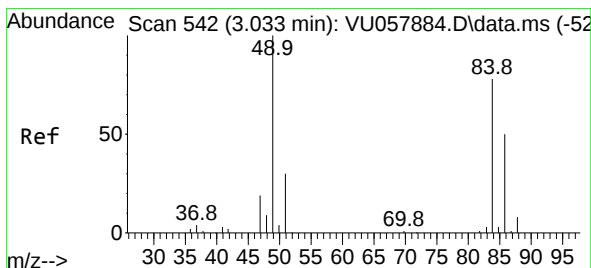
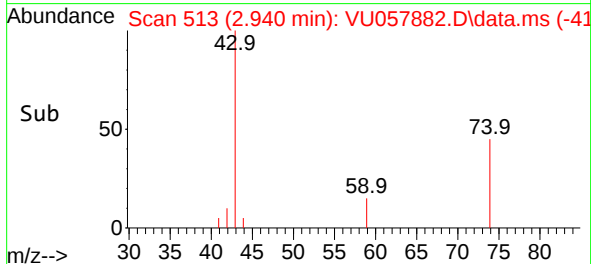
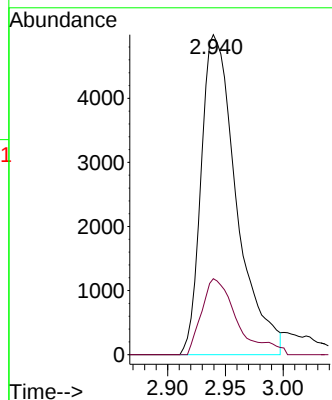
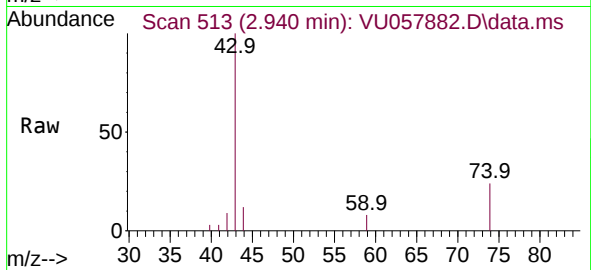




#15
Methyl Acetate
Concen: 5.157 ug/L
RT: 2.940 min Scan# 511
Delta R.T. 0.007 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

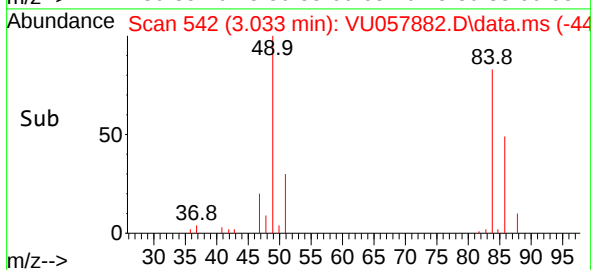
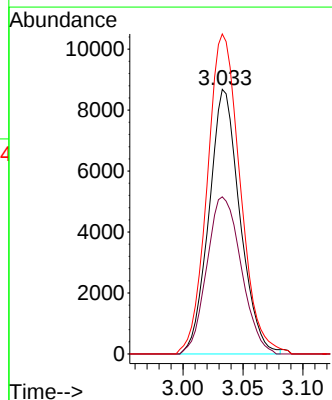
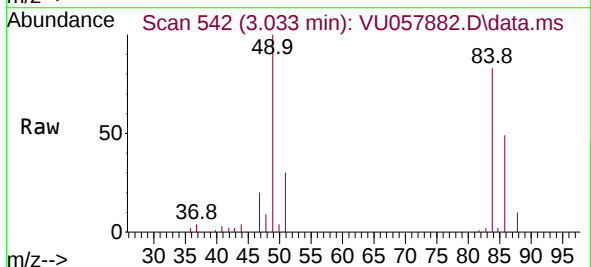
Instrument :
MSVOA_U
ClientSampleId :

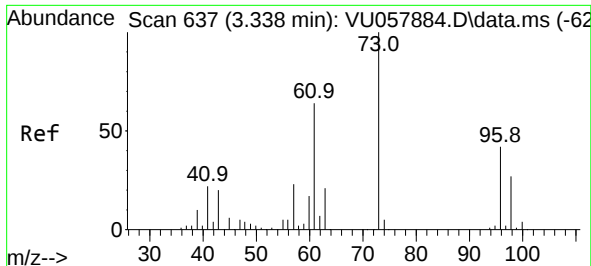
Tgt Ion: 43 Resp: 10623
Ion Ratio Lower Upper
43 100
74 22.2 18.6 27.8



#16
Methylene chloride
Concen: 7.263 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.000 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

Tgt Ion: 84 Resp: 15587
Ion Ratio Lower Upper
84 100
86 57.9 45.1 83.7
49 118.0 89.7 166.5

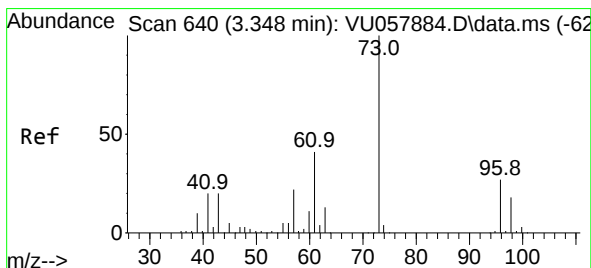
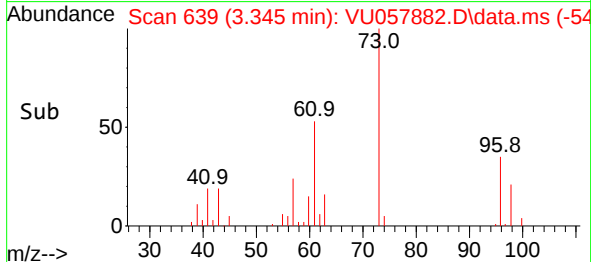
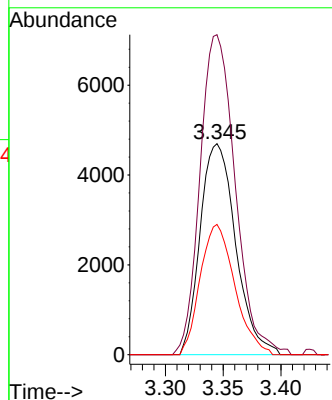
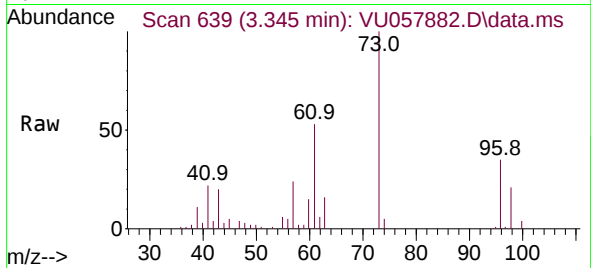




#17
trans-1,2-Dichloroethene
Concen: 5.326 ug/L
RT: 3.345 min Scan# 61
Delta R.T. 0.007 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

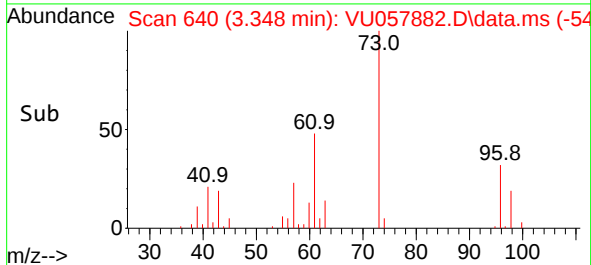
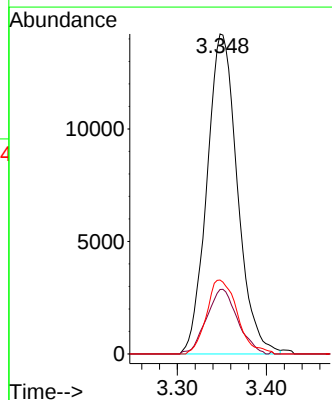
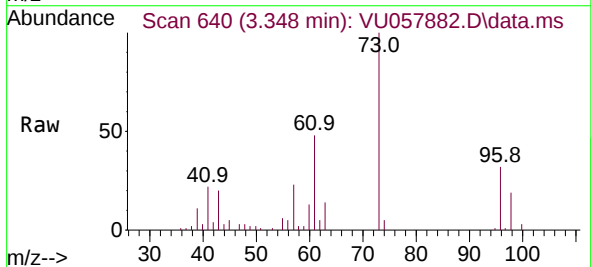
Instrument :
MSVOA_U
ClientSampleId :

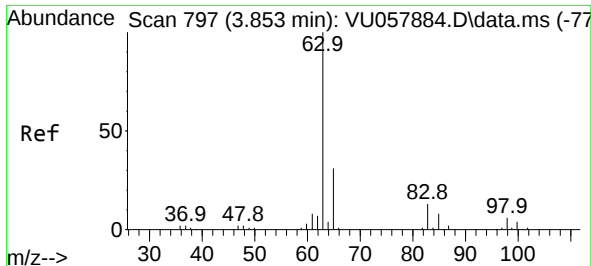
Tgt Ion: 96 Resp: 10055
Ion Ratio Lower Upper
96 100
61 146.3 106.3 197.3
98 59.5 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 5.111 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

Tgt Ion: 73 Resp: 33795
Ion Ratio Lower Upper
73 100
43 20.4 16.0 24.0
57 23.3 17.8 26.6





#19

1,1-Dichloroethane

Concen: 5.272 ug/L

RT: 3.856 min Scan# 79

Delta R.T. 0.003 min

Lab File: VU057882.D

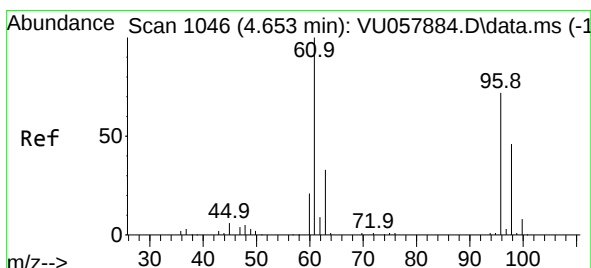
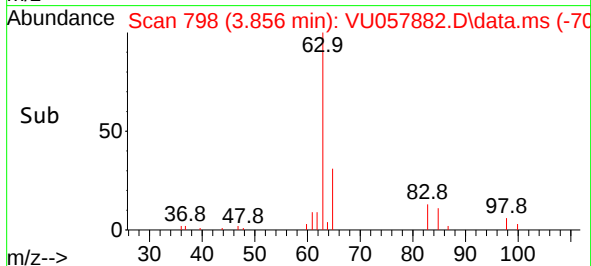
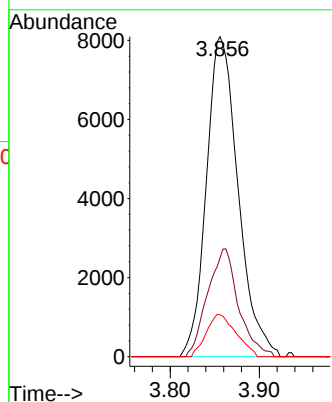
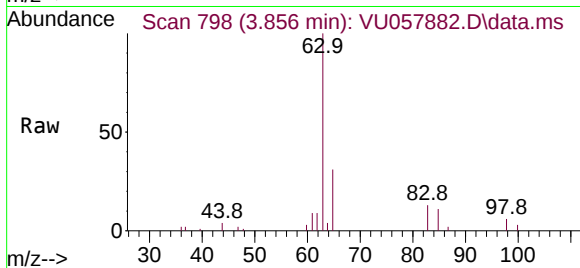
Acq: 19 Feb 2024 15:31

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	20043
Ion	Ratio	Lower	Upper
63	100		
65	29.7	21.7	40.3
83	12.6	9.4	17.4



#20

cis-1,2-Dichloroethene

Concen: 5.114 ug/L

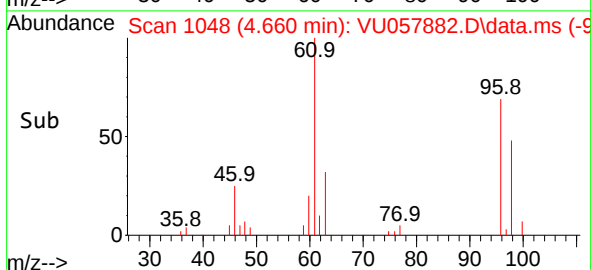
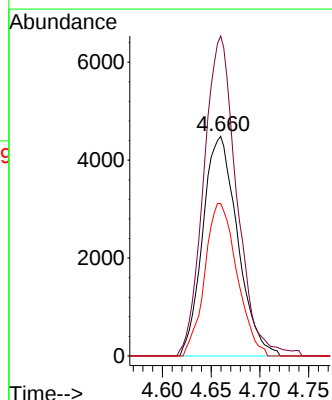
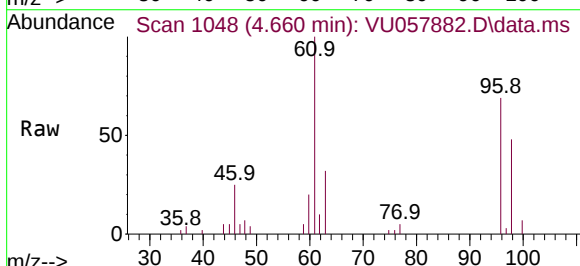
RT: 4.660 min Scan# 1048

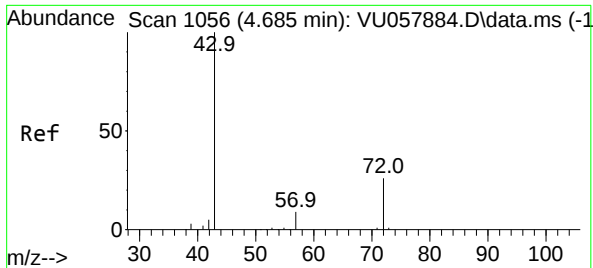
Delta R.T. 0.007 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

Tgt Ion:	96	Resp:	11138
Ion	Ratio	Lower	Upper
96	100		
61	145.7	96.7	179.7
98	69.4	44.3	82.3

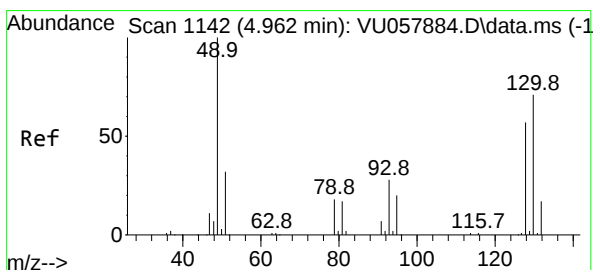
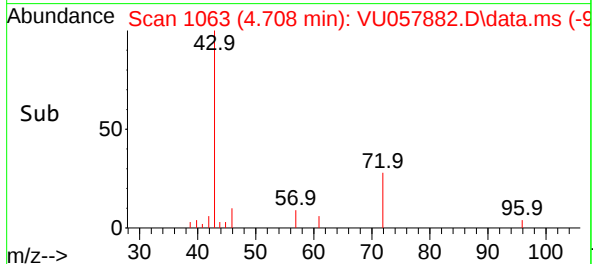
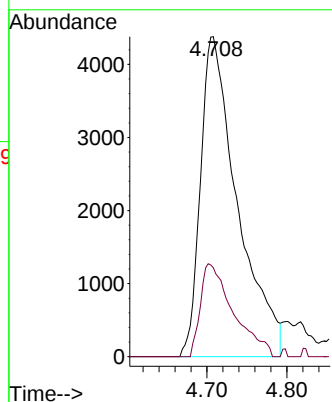
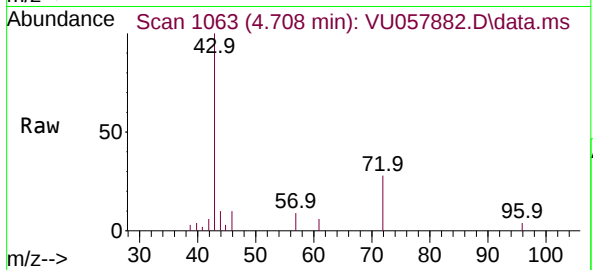




#22
2-Butanone
Concen: 8.341 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. 0.023 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

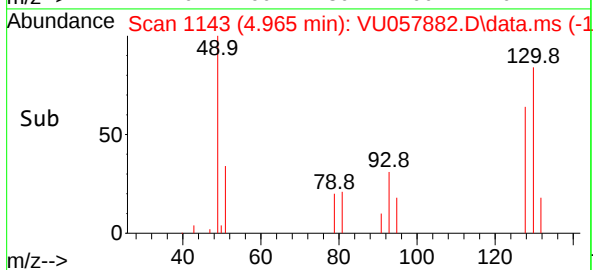
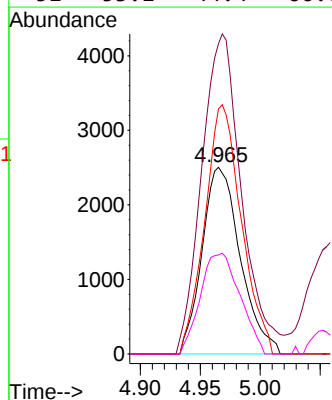
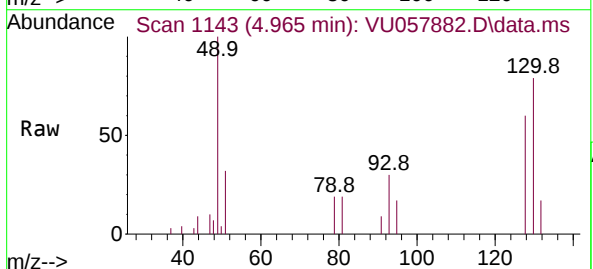
Instrument :
MSVOA_U
ClientSampleId :

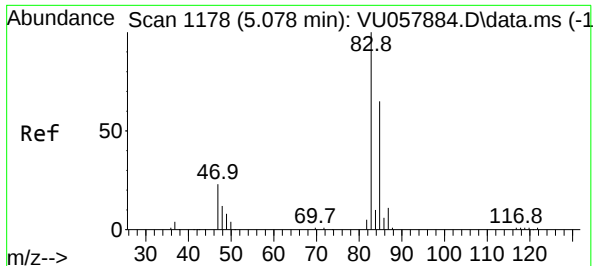
Tgt Ion: 43 Resp: 14060
Ion Ratio Lower Upper
43 100
72 25.2 13.8 41.3



#23
Bromochloromethane
Concen: 5.229 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.003 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

Tgt Ion: 128 Resp: 5553
Ion Ratio Lower Upper
128 100
49 166.1 124.0 230.4
130 131.2 87.8 163.0
51 53.1 44.4 66.6





#25

Chloroform

Concen: 5.231 ug/L

RT: 5.074 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

Instrument :

MSVOA_U

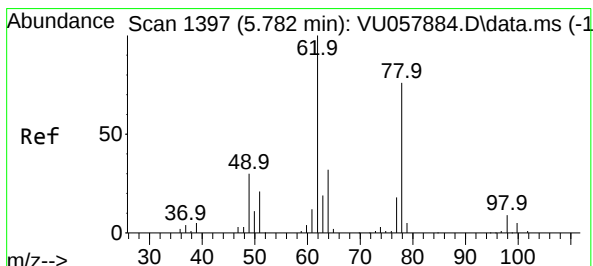
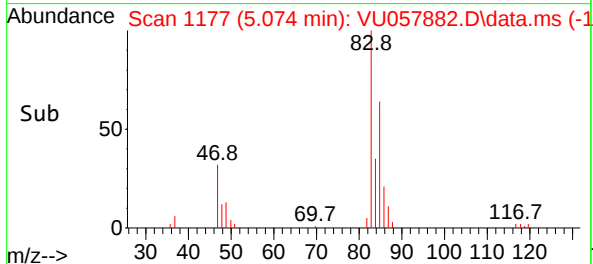
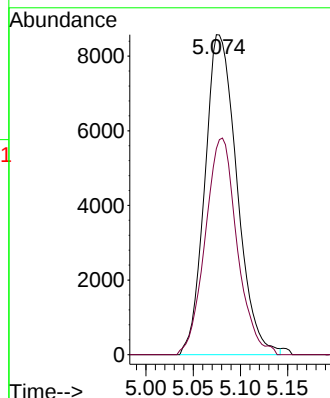
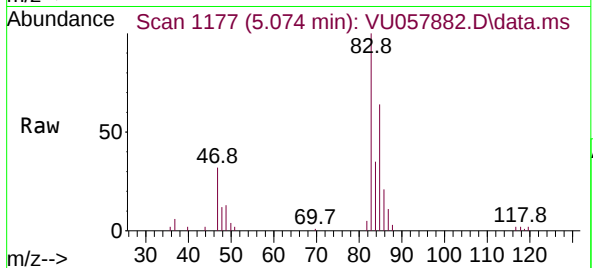
ClientSampleId :

Tgt Ion: 83 Resp: 20238

Ion Ratio Lower Upper

83 100

85 64.4 45.6 84.6



#27

1,2-Dichloroethane

Concen: 5.397 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.007 min

Lab File: VU057882.D

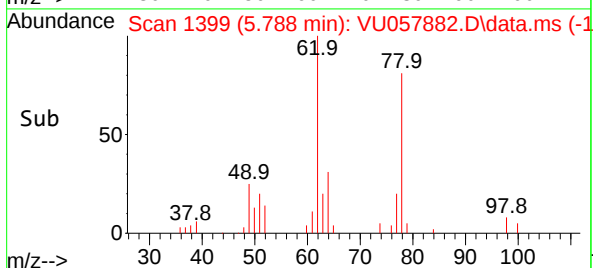
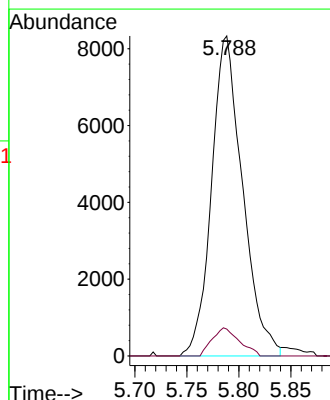
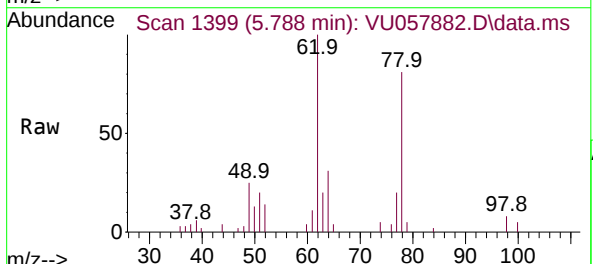
Acq: 19 Feb 2024 15:31

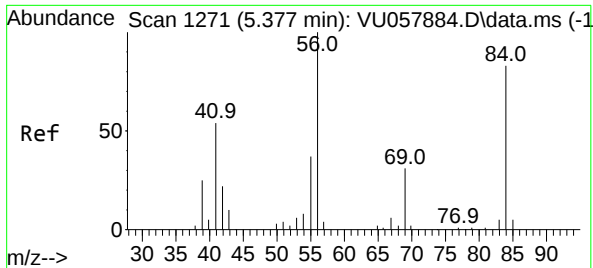
Tgt Ion: 62 Resp: 17306

Ion Ratio Lower Upper

62 100

98 8.4 7.1 10.7





#29

Cyclohexane

Concen: 5.425 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. 0.000 min

Lab File: VU057882.D

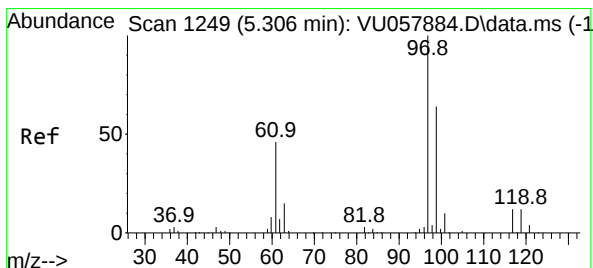
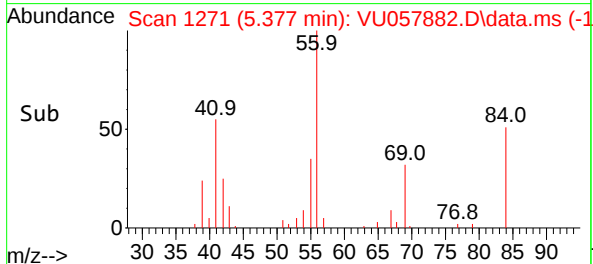
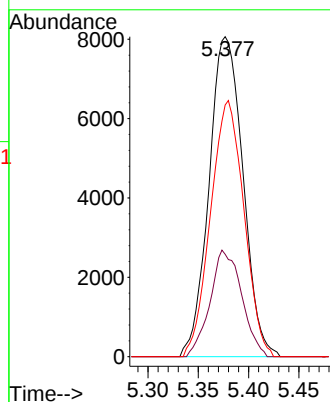
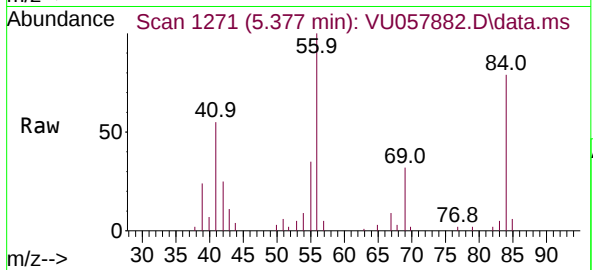
Acq: 19 Feb 2024 15:31

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	56	Resp:	18942
Ion Ratio	Lower	Upper	
56	100		
69	31.0	24.6	36.8
84	78.7	66.9	100.3



#30

1,1,1-Trichloroethane

Concen: 4.928 ug/L

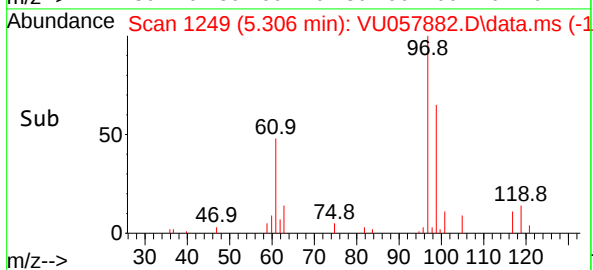
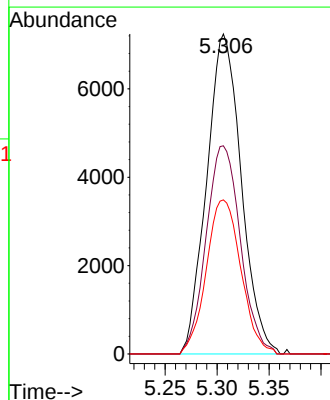
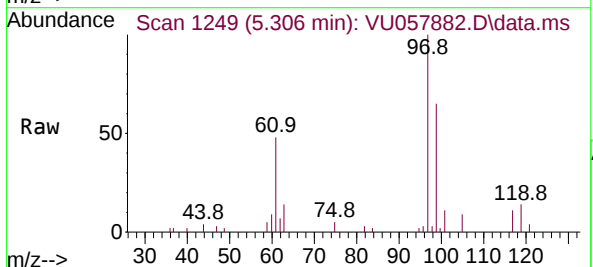
RT: 5.306 min Scan# 1249

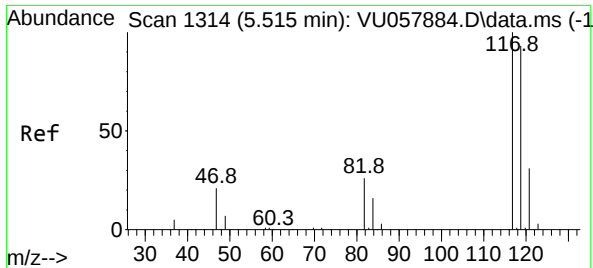
Delta R.T. 0.000 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

Tgt Ion:	97	Resp:	16779
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.6	77.4
61	48.1	36.8	55.2

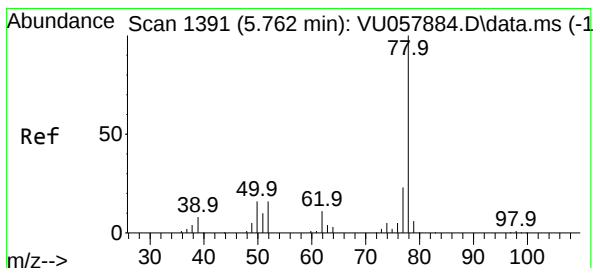
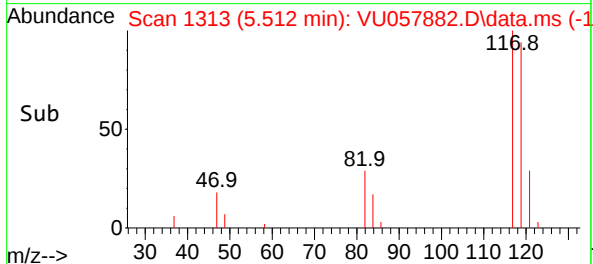
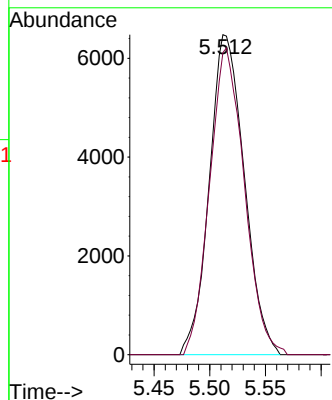
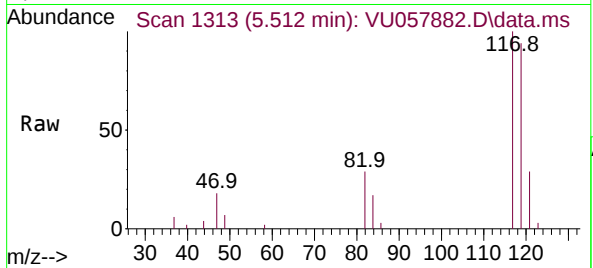




#31
Carbon tetrachloride
Concen: 4.765 ug/L
RT: 5.512 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

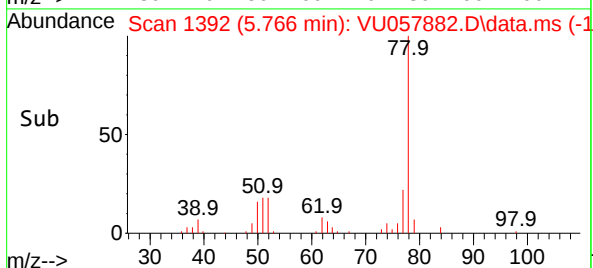
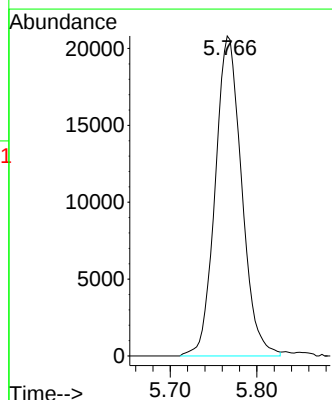
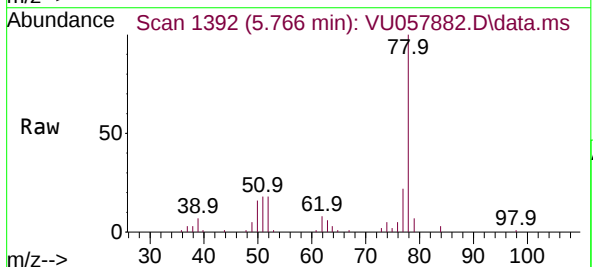
Instrument :
MSVOA_U
ClientSampleId :

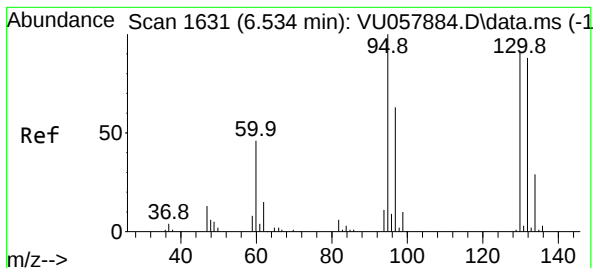
Tgt Ion:117 Resp: 14151
Ion Ratio Lower Upper
117 100
119 95.0 75.9 113.9



#33
Benzene
Concen: 5.255 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

Tgt Ion: 78 Resp: 44204





#34

Trichloroethene

Concen: 5.049 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 11365

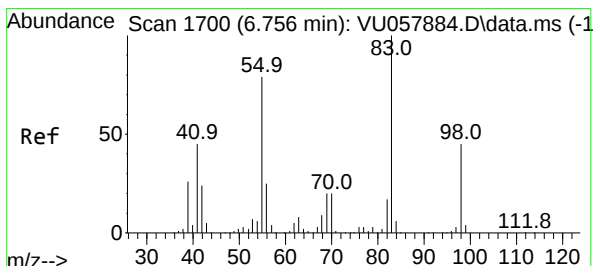
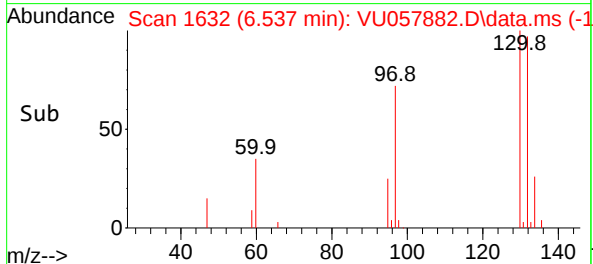
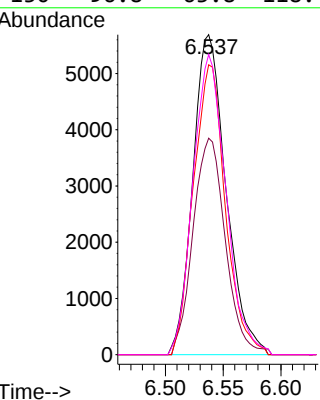
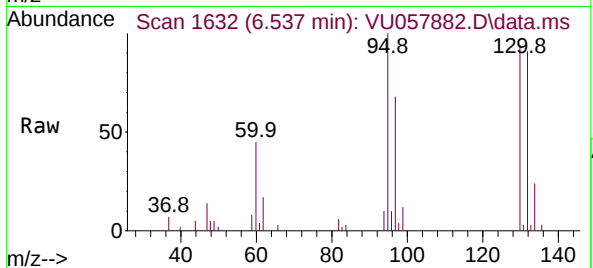
Ion Ratio Lower Upper

95 100

97 71.6 44.2 82.2

132 93.2 61.4 114.0

130 96.8 63.8 118.4



#35

Methylcyclohexane

Concen: 5.214 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

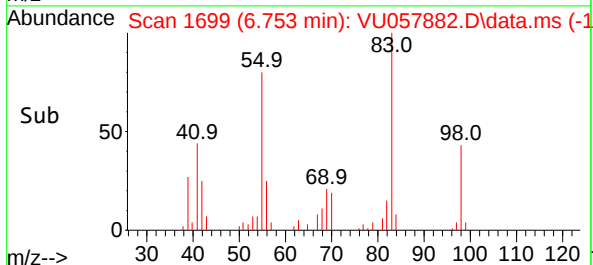
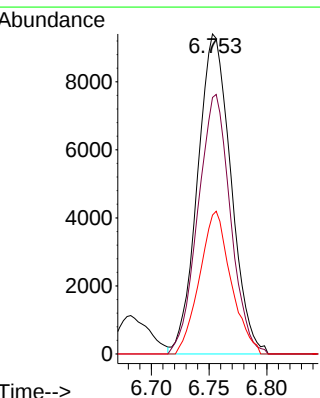
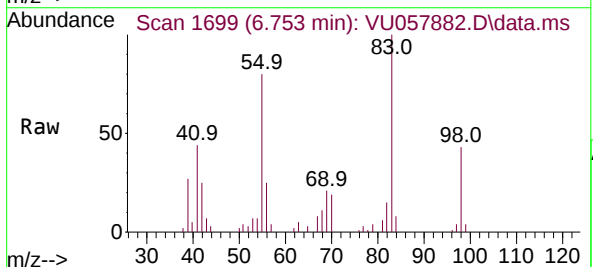
Tgt Ion: 83 Resp: 18875

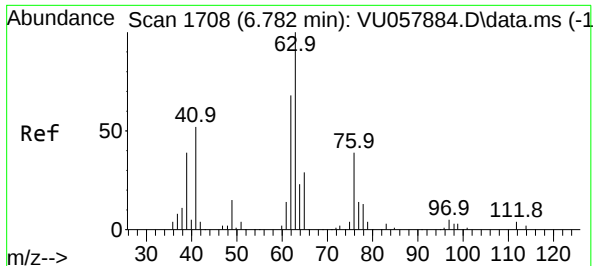
Ion Ratio Lower Upper

83 100

55 79.0 62.7 94.1

98 42.0 36.3 54.5

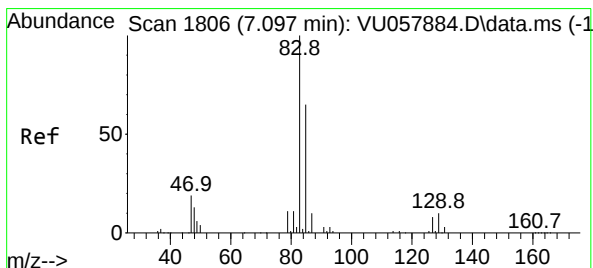
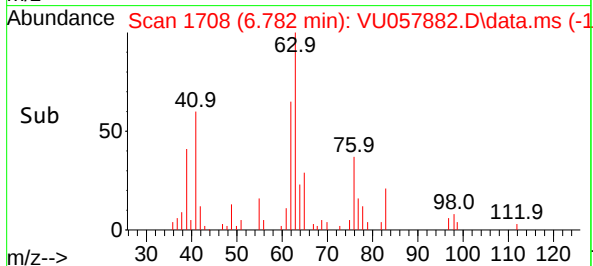
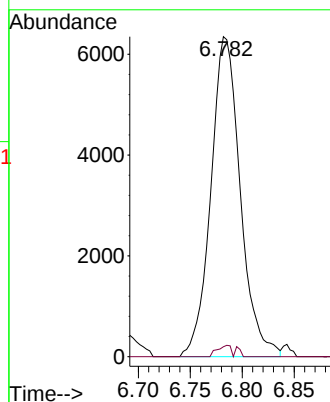
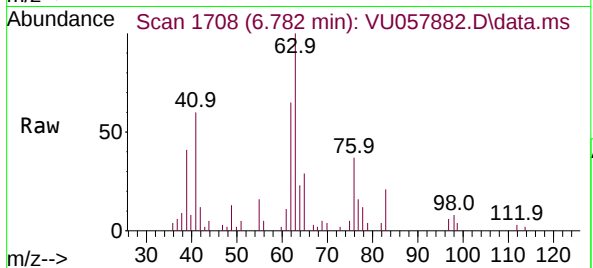




#37
1,2-Dichloropropane
Concen: 5.385 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

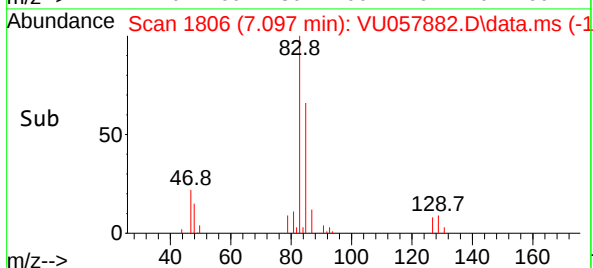
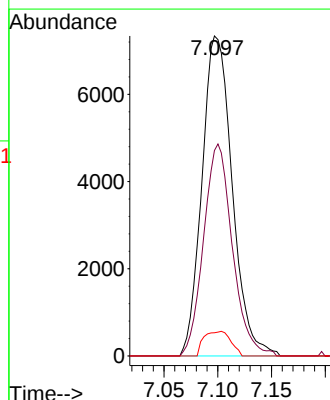
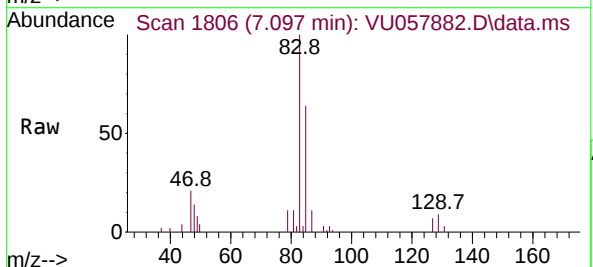
Instrument :
MSVOA_U
ClientSampleId :

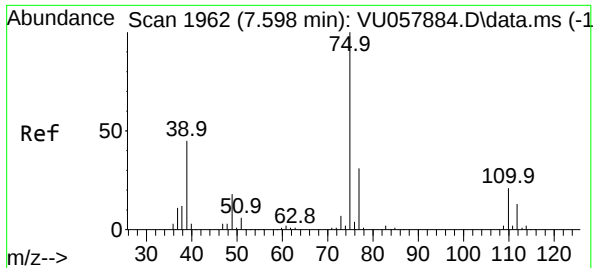
Tgt Ion: 63 Resp: 12523
Ion Ratio Lower Upper
63 100
112 1.6 2.9 4.3#



#38
Bromodichloromethane
Concen: 4.991 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

Tgt Ion: 83 Resp: 14390
Ion Ratio Lower Upper
83 100
85 64.2 45.4 84.4
127 7.3 7.5 11.3#





#39

cis-1,3-Dichloropropene

Concen: 4.584 ug/L

RT: 7.602 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

Instrument :

MSVOA_U

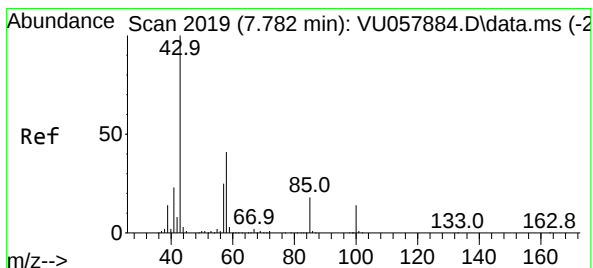
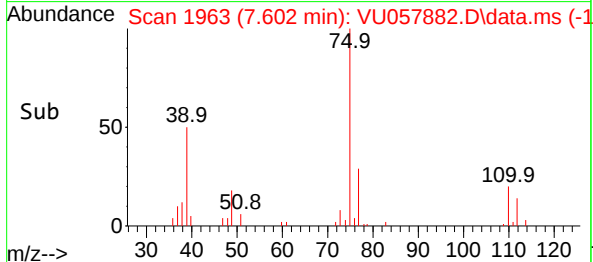
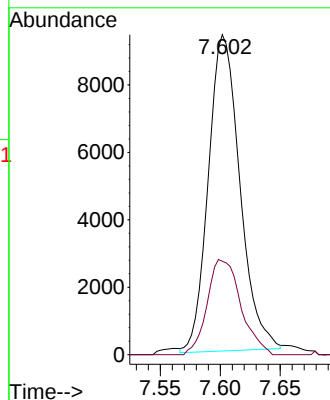
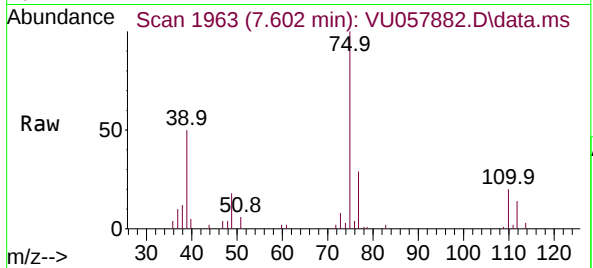
ClientSampleId :

Tgt Ion: 75 Resp: 17140

Ion Ratio Lower Upper

75 100

77 29.2 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 10.034 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.003 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

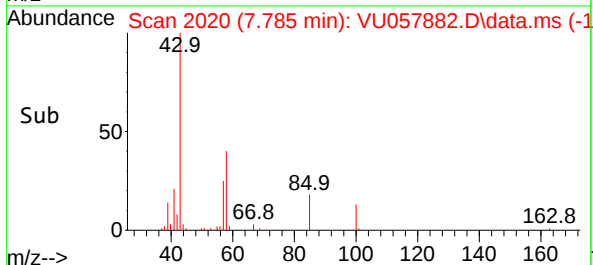
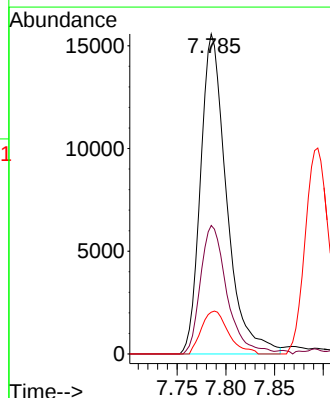
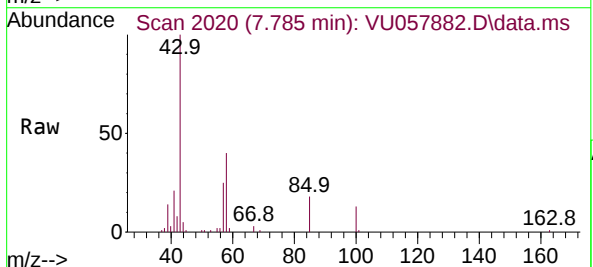
Tgt Ion: 43 Resp: 29004

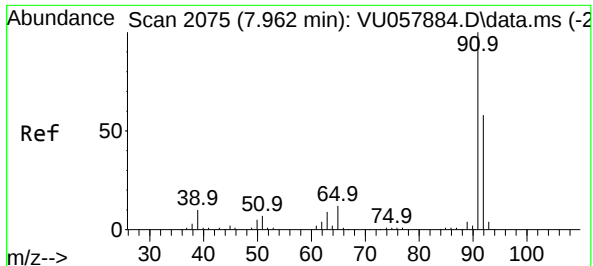
Ion Ratio Lower Upper

43 100

58 40.6 32.3 48.5

100 13.8 11.4 17.0





#42

Toluene

Concen: 5.139 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

Instrument :

MSVOA_U

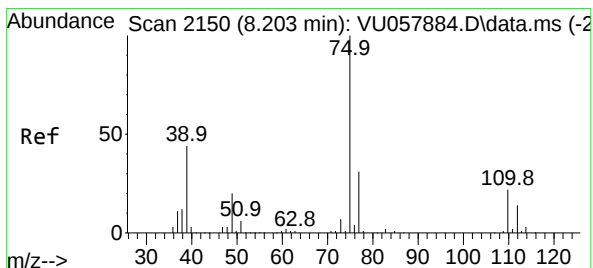
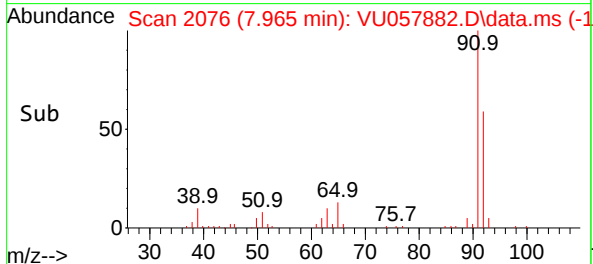
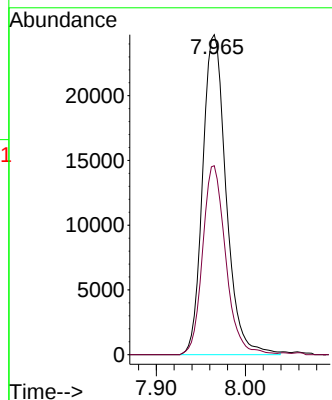
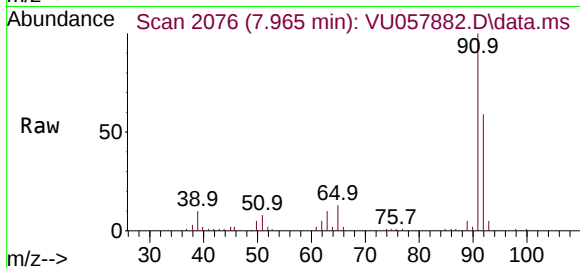
ClientSampleId :

Tgt Ion: 91 Resp: 45230

Ion Ratio Lower Upper

91 100

92 59.1 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 4.700 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU057882.D

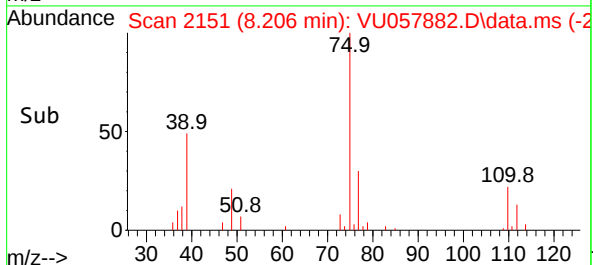
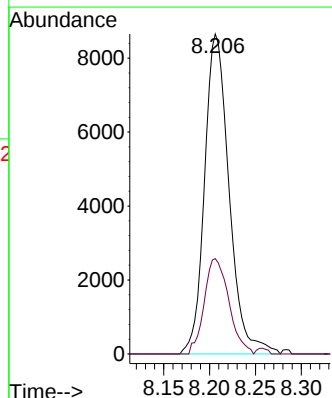
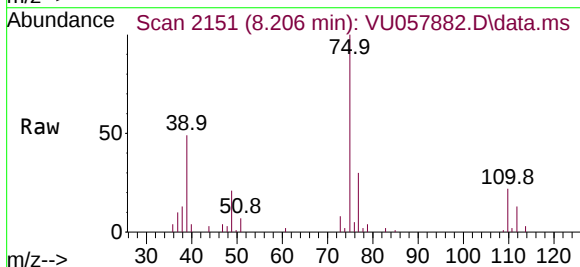
Acq: 19 Feb 2024 15:31

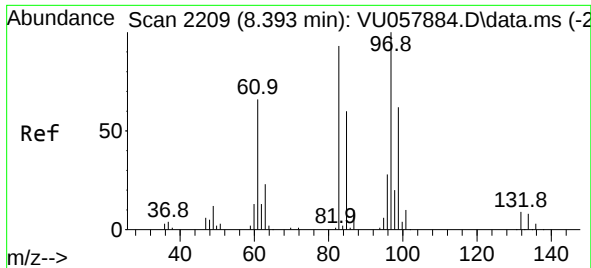
Tgt Ion: 75 Resp: 16132

Ion Ratio Lower Upper

75 100

77 29.8 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 5.318 ug/L

RT: 8.396 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 11271

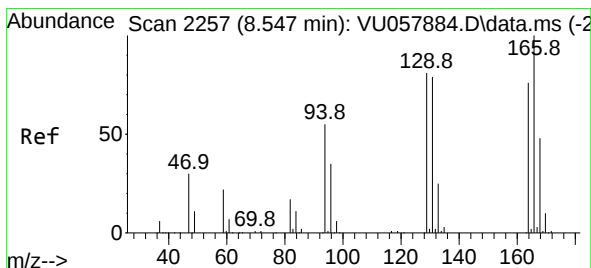
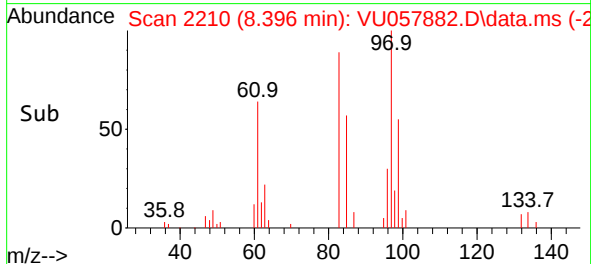
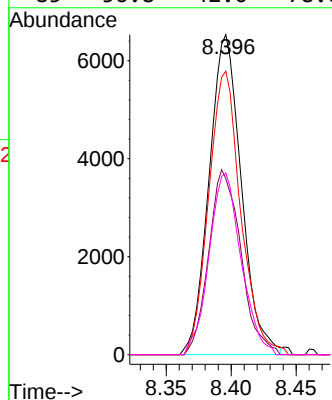
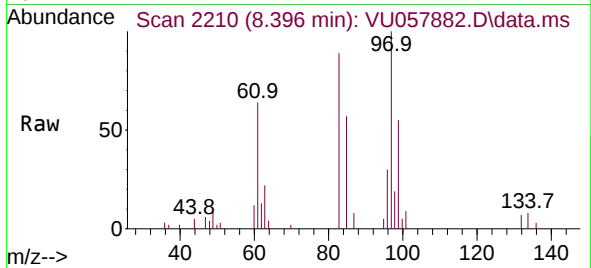
Ion Ratio Lower Upper

97 100

99 55.1 43.0 80.0

83 88.6 65.0 120.6

85 56.8 42.0 78.0



#46

Tetrachloroethene

Concen: 5.029 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

Tgt Ion:164 Resp: 7840

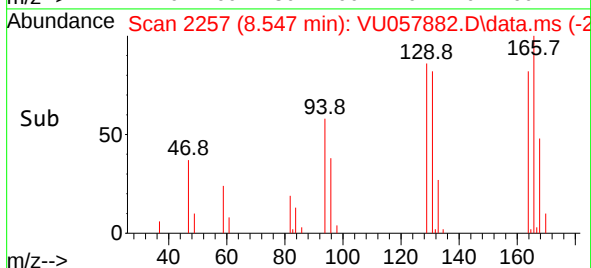
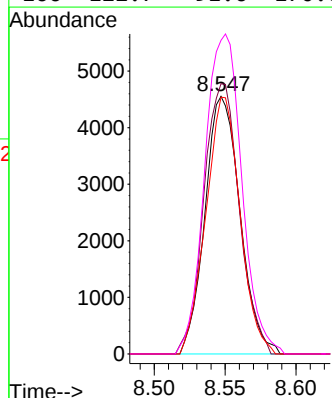
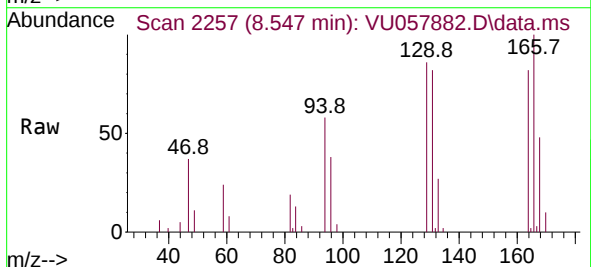
Ion Ratio Lower Upper

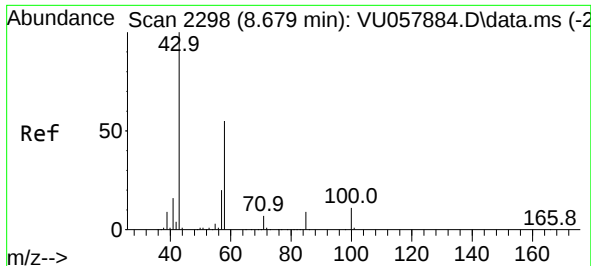
164 100

129 102.2 74.1 137.7

131 97.1 72.0 133.6

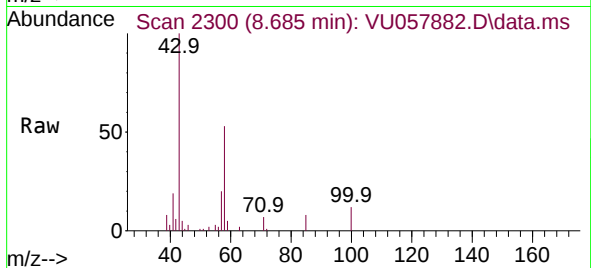
166 122.7 91.6 170.0



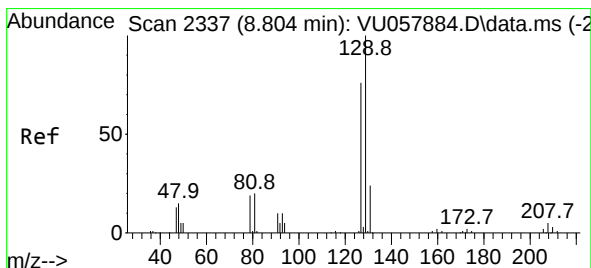
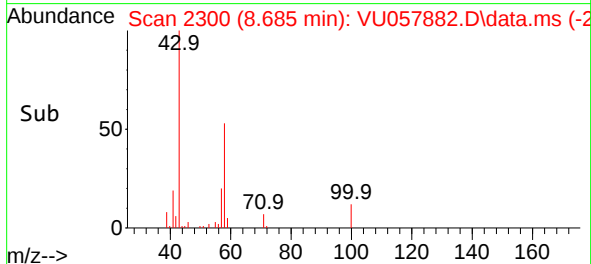
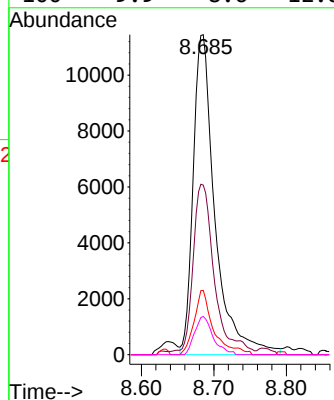


#48
2-Hexanone
Concen: 9.601 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

Instrument :
MSVOA_U
ClientSampleId :

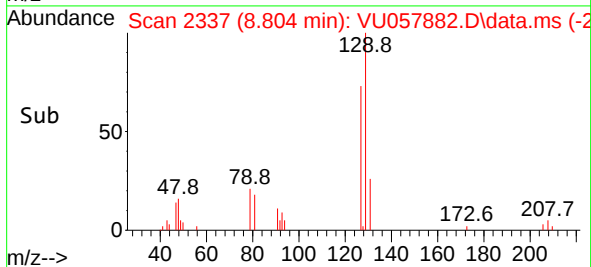
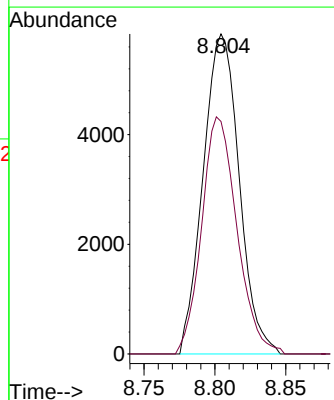
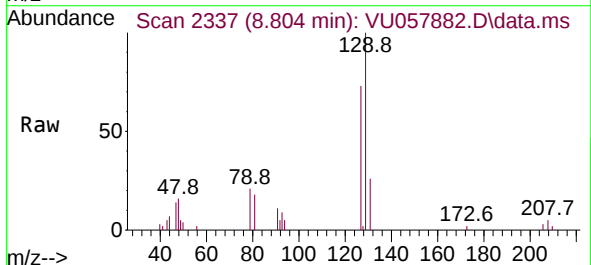


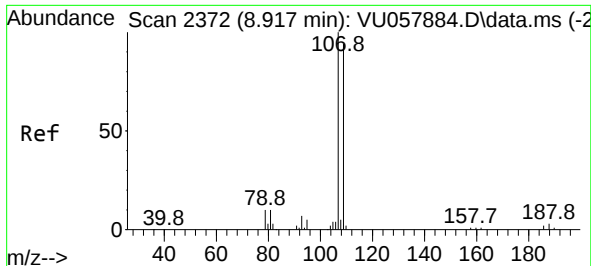
Tgt Ion: 43 Resp: 23942
Ion Ratio Lower Upper
43 100
58 47.0 43.8 65.8
57 17.1 15.5 23.3
100 9.9 8.6 12.8



#49
Dibromochloromethane
Concen: 4.846 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

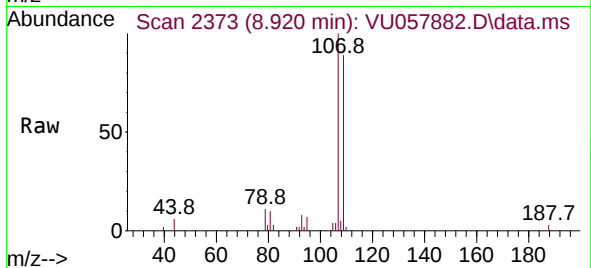
Tgt Ion: 129 Resp: 10338
Ion Ratio Lower Upper
129 100
127 74.9 53.3 99.1



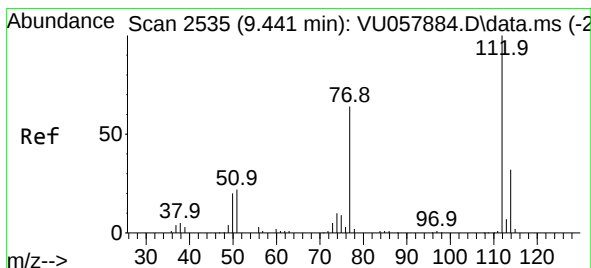
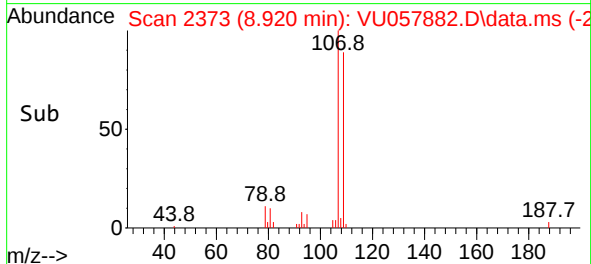
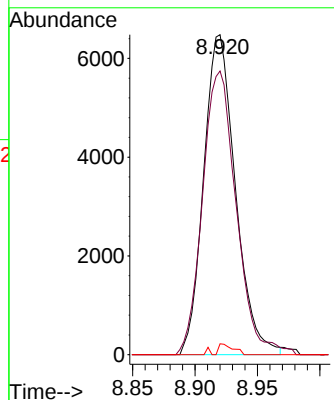


#50
1,2-Dibromoethane
Concen: 5.086 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

Instrument :
MSVOA_U
ClientSampleId :

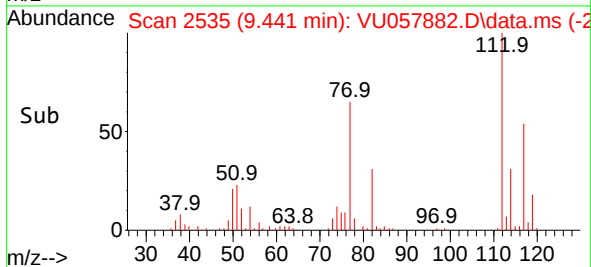
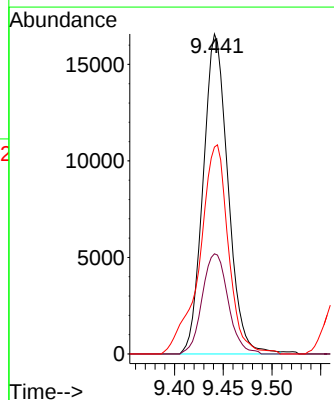
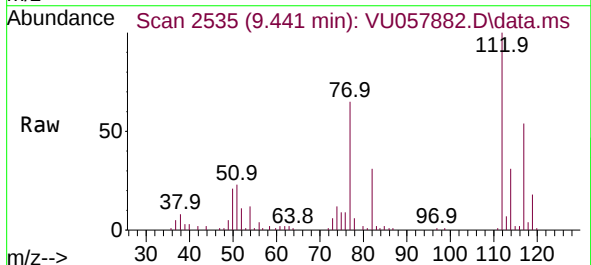


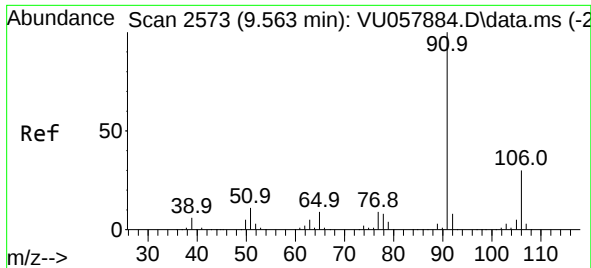
Tgt Ion:107 Resp: 11506
Ion Ratio Lower Upper
107 100
109 88.6 66.1 122.8
188 3.4 2.6 3.8



#51
Chlorobenzene
Concen: 5.287 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

Tgt Ion:112 Resp: 29422
Ion Ratio Lower Upper
112 100
114 31.3 22.7 42.1
77 64.7 51.8 77.8

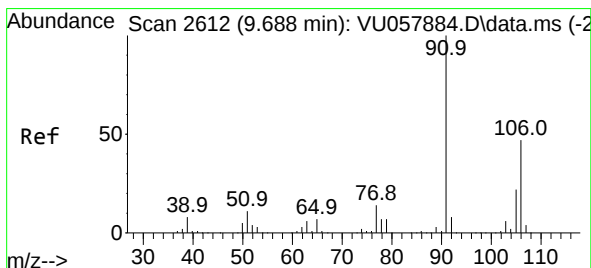
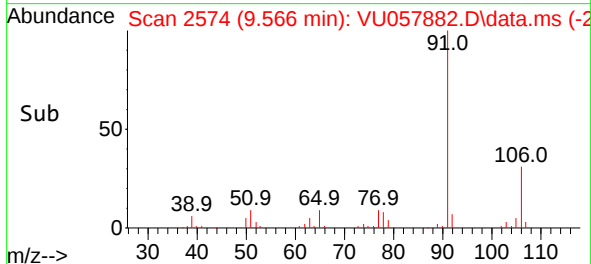
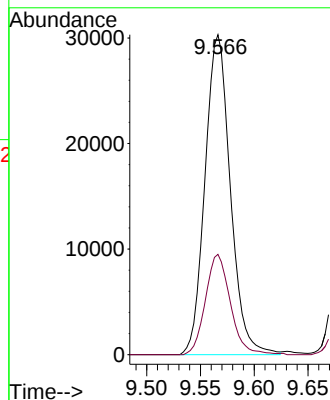
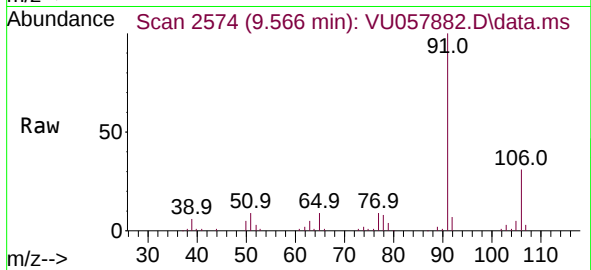




#52
Ethylbenzene
Concen: 4.989 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

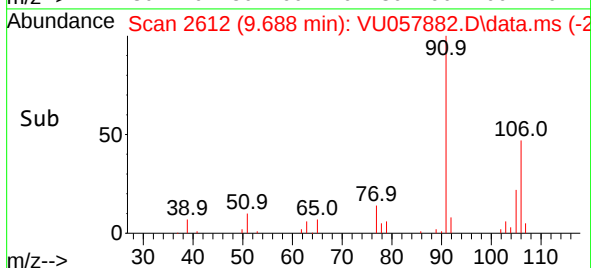
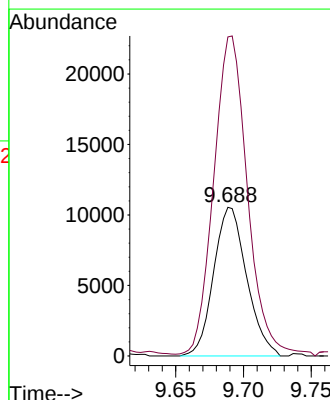
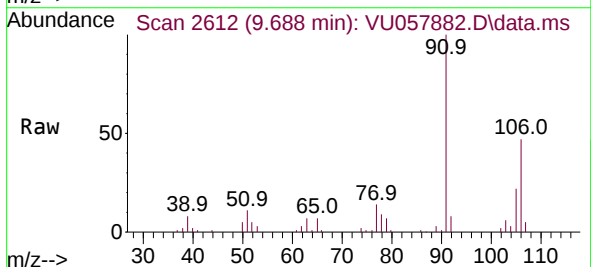
Instrument :
MSVOA_U
ClientSampleId :

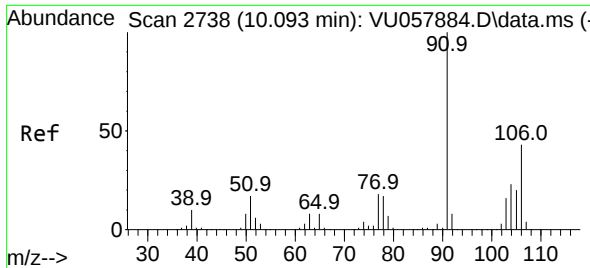
Tgt Ion: 91 Resp: 49803
Ion Ratio Lower Upper
91 100
106 33.8 21.1 39.1



#53
m,p-Xylene
Concen: 4.897 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

Tgt Ion:106 Resp: 17881
Ion Ratio Lower Upper
106 100
91 194.4 150.2 279.0

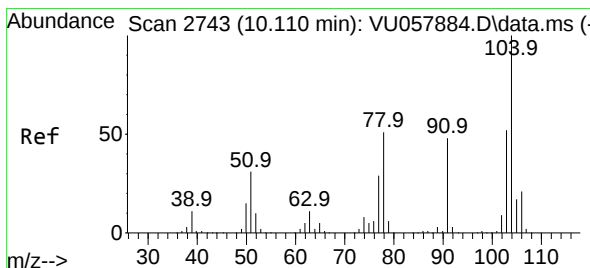
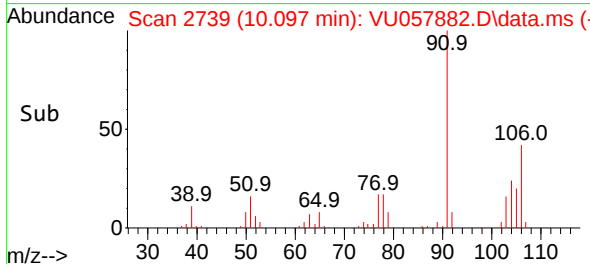
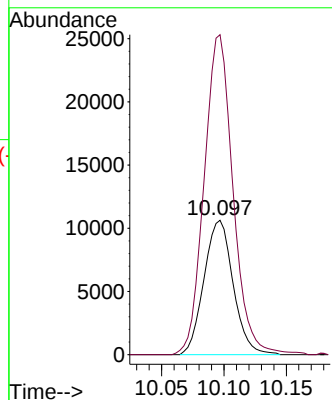
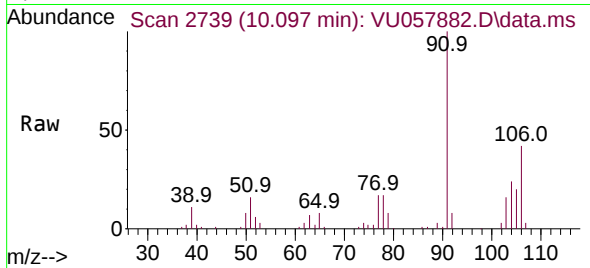




#54
o-Xylene
Concen: 4.844 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

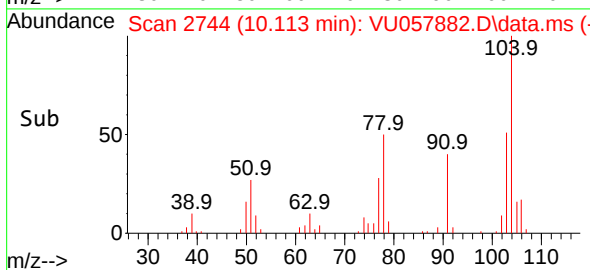
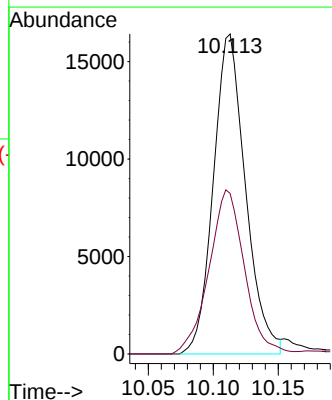
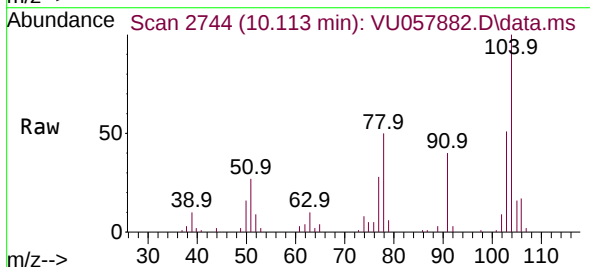
Instrument :
MSVOA_U
ClientSampleId :

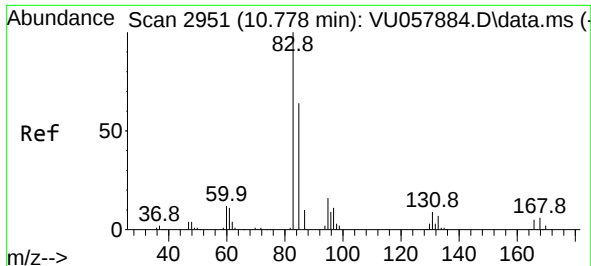
Tgt Ion:106 Resp: 17316
Ion Ratio Lower Upper
106 100
91 219.7 161.3 299.5



#55
Styrene
Concen: 4.705 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

Tgt Ion:104 Resp: 28239
Ion Ratio Lower Upper
104 100
78 50.1 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.077 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

Instrument :

MSVOA_U

ClientSampleId :

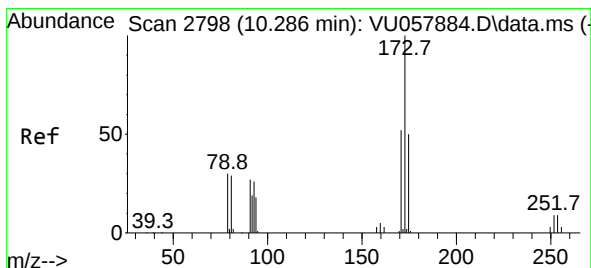
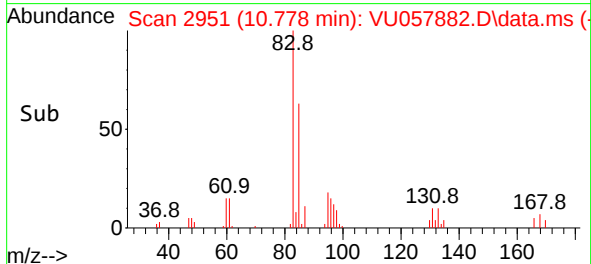
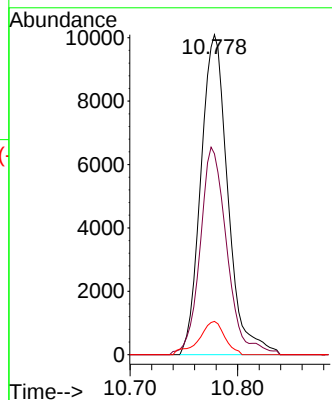
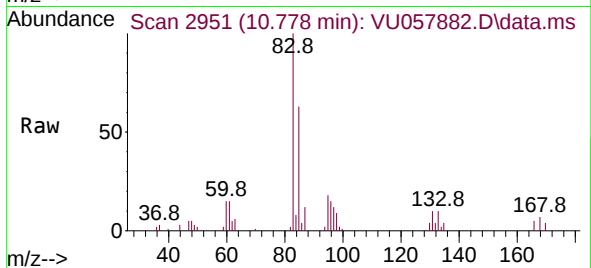
Tgt Ion: 83 Resp: 17618

Ion Ratio Lower Upper

83 100

85 62.8 45.2 84.0

131 10.4 7.8 11.6



#59

Bromoform

Concen: 4.646 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

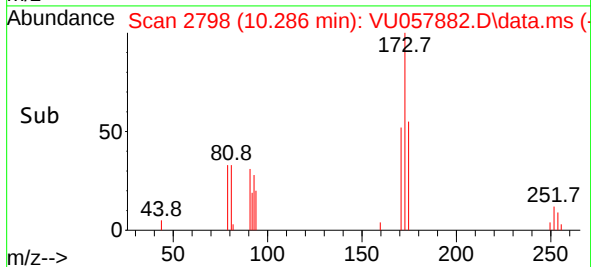
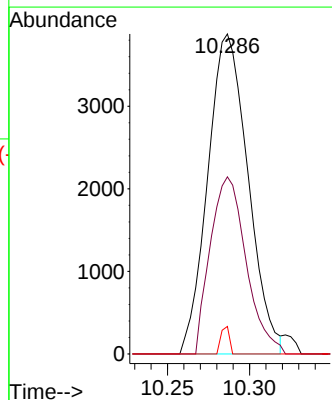
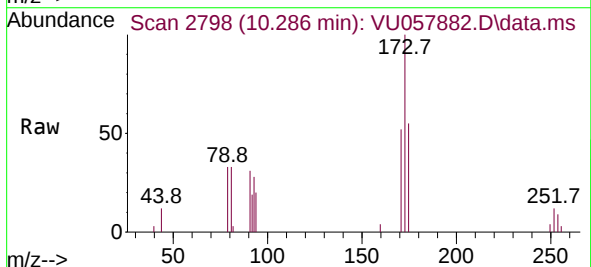
Tgt Ion: 173 Resp: 6607

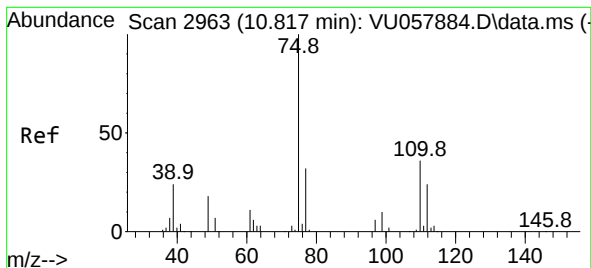
Ion Ratio Lower Upper

173 100

175 49.3 38.8 58.2

254 1.8 1.0 1.6#





#60

1,2,3-Trichloropropane

Concen: 5.467 ug/L

RT: 10.820 min Scan# 2964

Delta R.T. 0.003 min

Lab File: VU057882.D

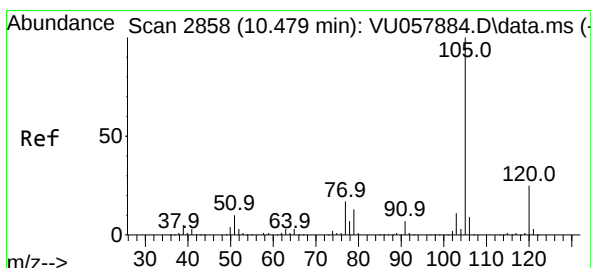
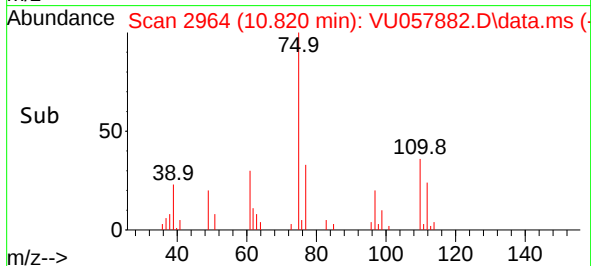
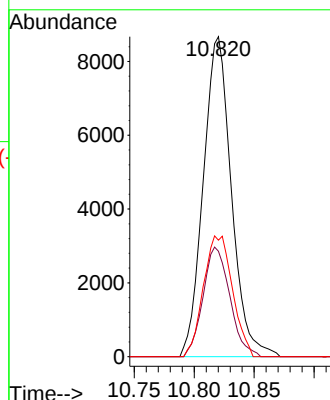
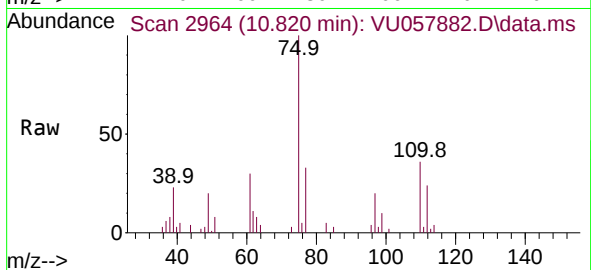
Acq: 19 Feb 2024 15:31

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	75	Resp:	14141
Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.9	38.9
110	39.0	28.3	42.5



#61

Isopropylbenzene

Concen: 5.314 ug/L

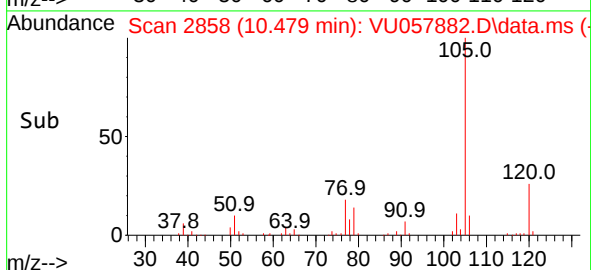
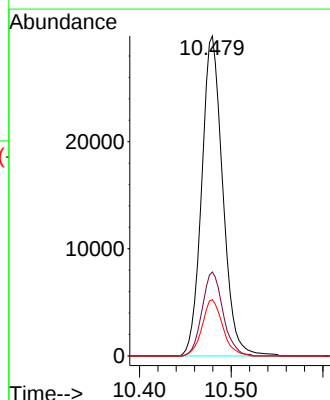
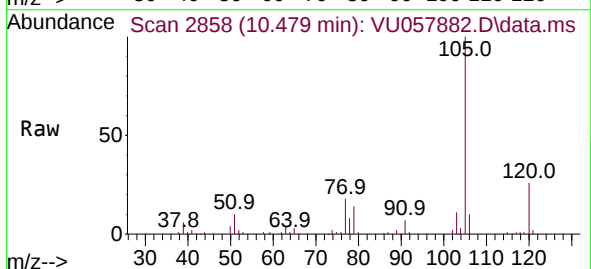
RT: 10.479 min Scan# 2858

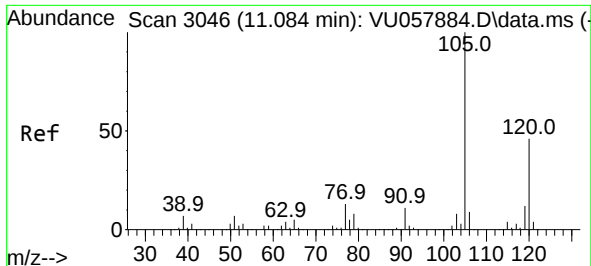
Delta R.T. 0.000 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

Tgt Ion:	105	Resp:	47583
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: 5.137 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

Instrument :

MSVOA_U

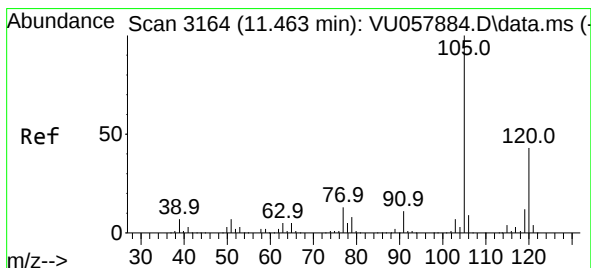
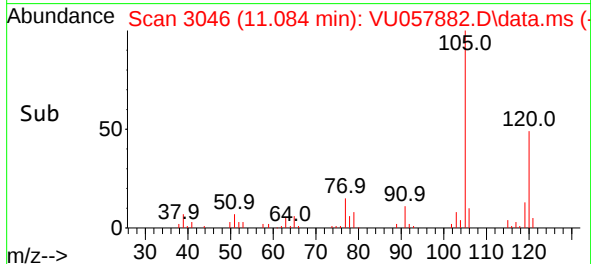
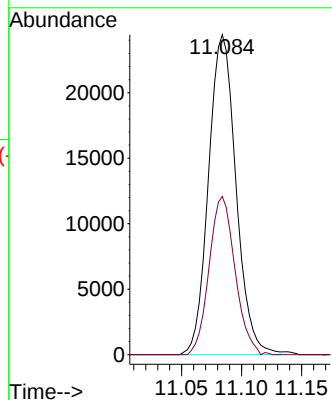
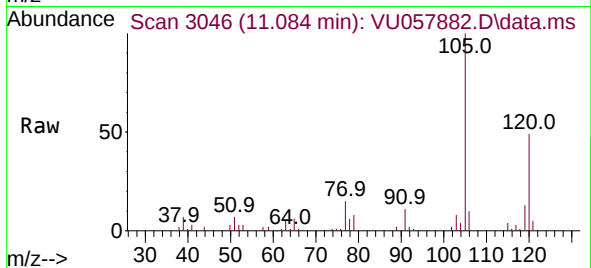
ClientSampleId :

Tgt Ion:105 Resp: 38901

Ion Ratio Lower Upper

105 100

120 46.5 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 5.088 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU057882.D

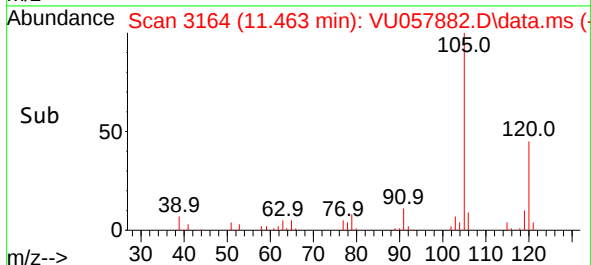
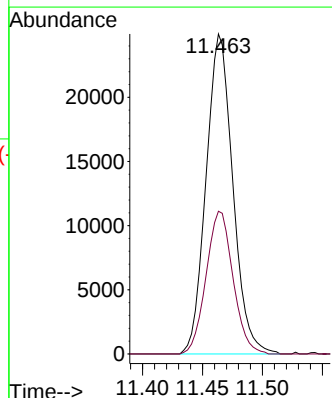
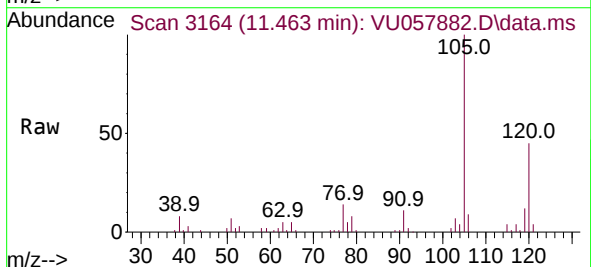
Acq: 19 Feb 2024 15:31

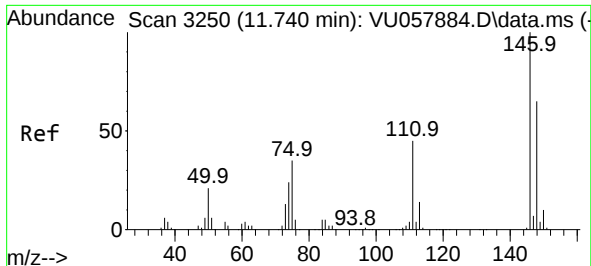
Tgt Ion:105 Resp: 38654

Ion Ratio Lower Upper

105 100

120 44.8 34.8 52.2

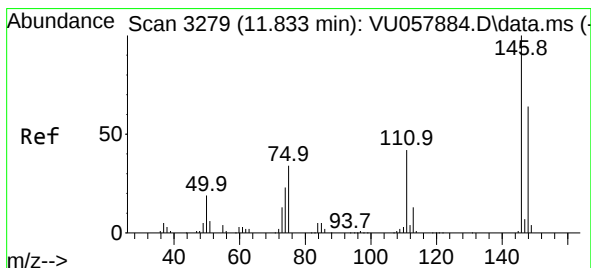
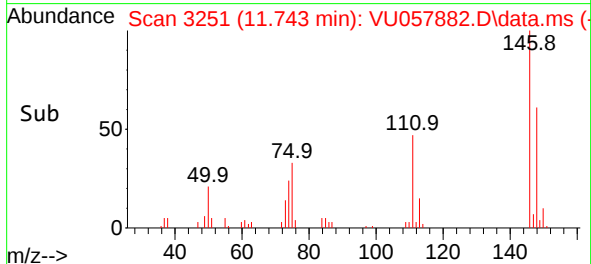
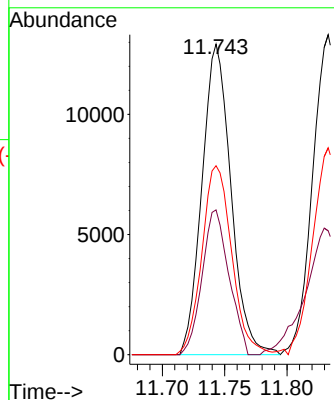
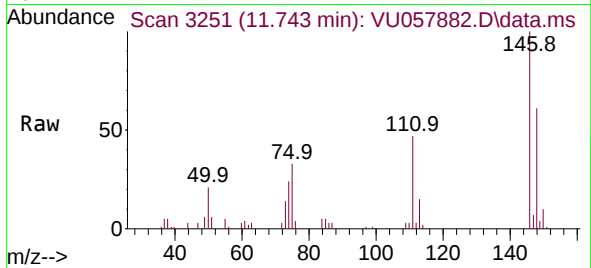




#64
1,3-Dichlorobenzene
Concen: 5.355 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

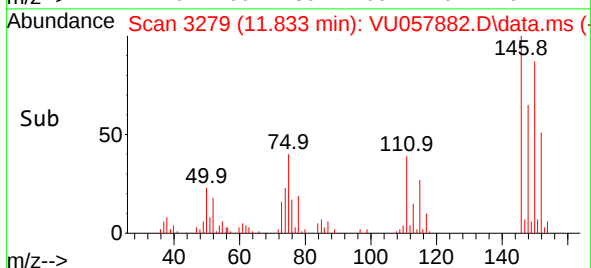
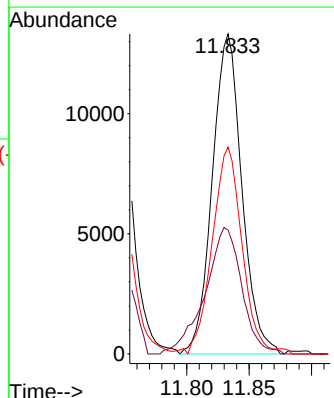
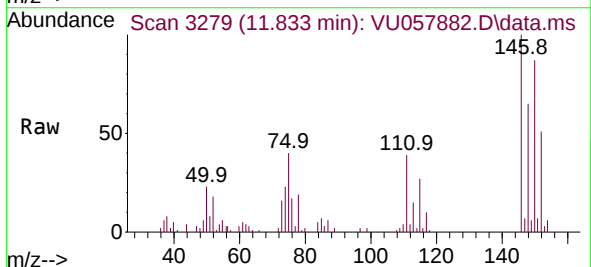
Instrument :
MSVOA_U
ClientSampleId :

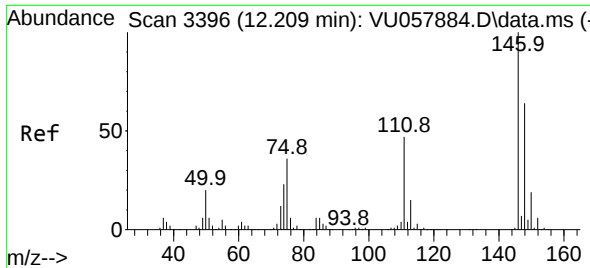
Tgt Ion:146 Resp: 20876
Ion Ratio Lower Upper
146 100
111 46.6 31.6 58.6
148 64.6 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 5.487 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

Tgt Ion:146 Resp: 21980
Ion Ratio Lower Upper
146 100
111 38.7 29.9 55.5
148 64.7 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 5.151 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

Instrument :

MSVOA_U

ClientSampleId :

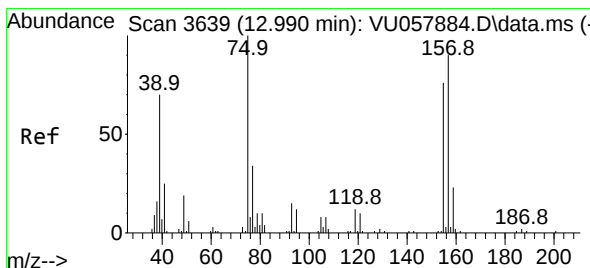
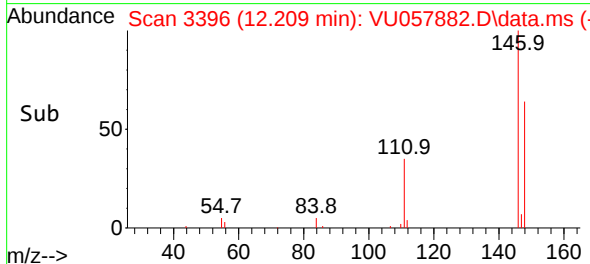
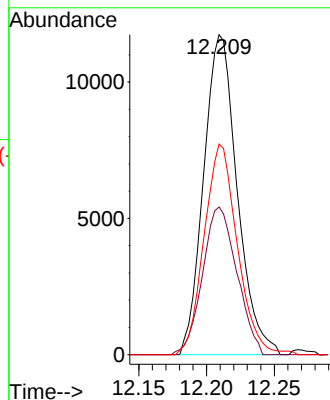
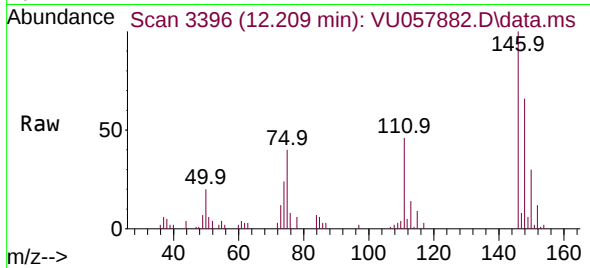
Tgt Ion:146 Resp: 20193

Ion Ratio Lower Upper

146 100

111 51.2 37.3 55.9

148 65.9 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 4.593 ug/L

RT: 12.997 min Scan# 3641

Delta R.T. 0.007 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

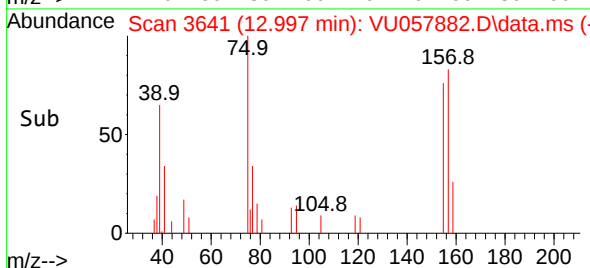
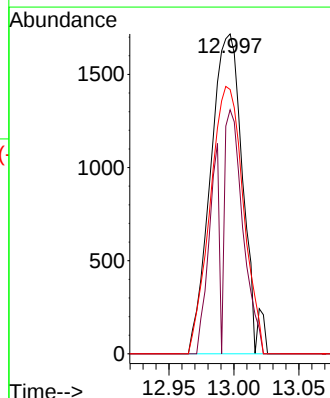
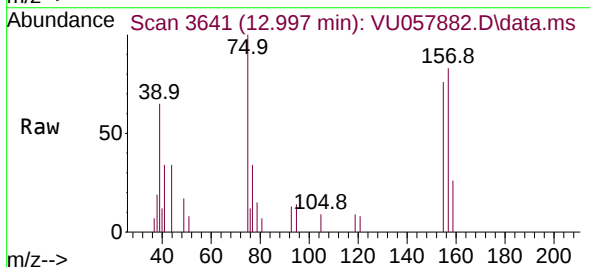
Tgt Ion: 75 Resp: 2972

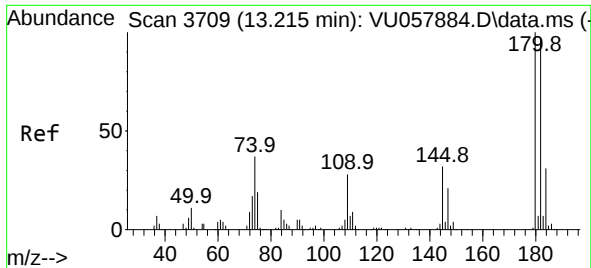
Ion Ratio Lower Upper

75 100

155 76.3 63.2 94.8

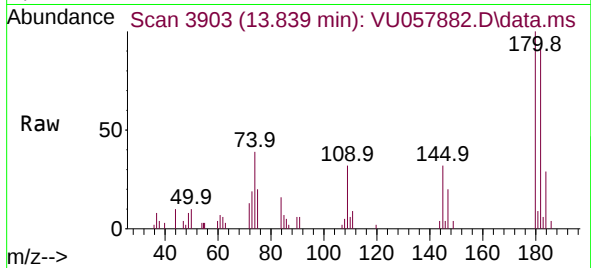
157 82.6 74.6 112.0



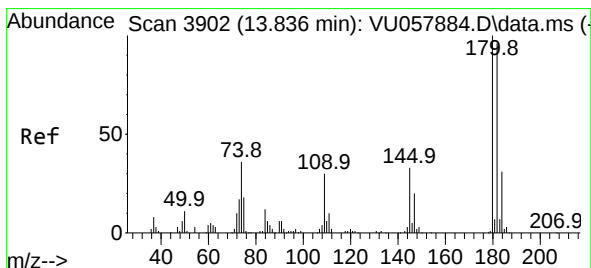
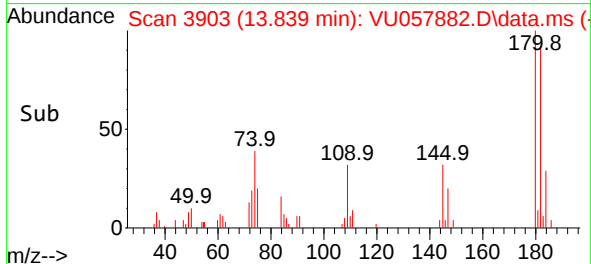
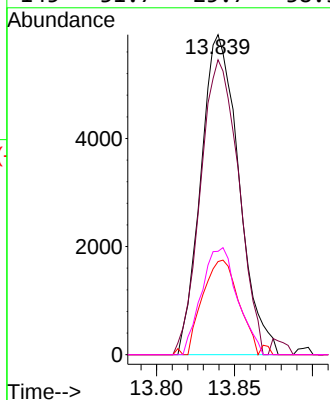


#69
1,3,5-Trichlorobenzene
Concen: 3.704 ug/L
RT: 13.839 min Scan# 3903
Delta R.T. 0.624 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

Instrument :
MSVOA_U
ClientSampleId :

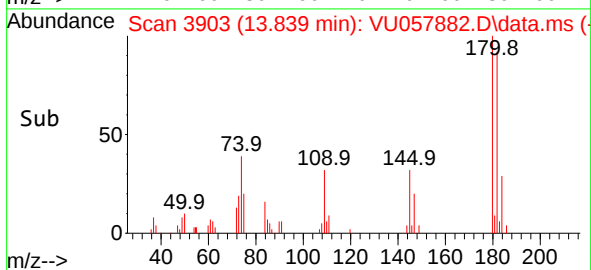
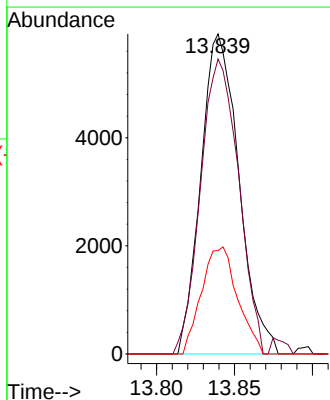
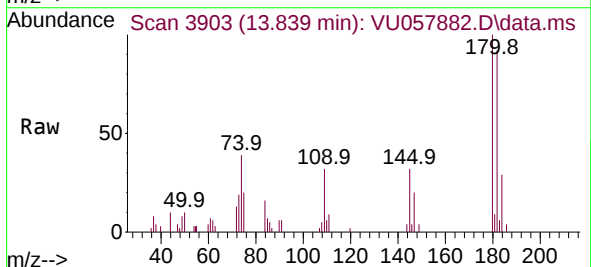


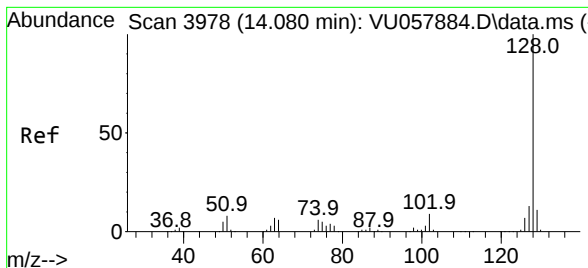
Tgt Ion:180 Resp: 10040
Ion Ratio Lower Upper
180 100
182 92.2 77.6 116.4
184 27.9 24.1 36.1
145 31.7 25.7 38.5



#70
1,2,4-trichlorobenzene
Concen: 4.360 ug/L
RT: 13.839 min Scan# 3903
Delta R.T. 0.003 min
Lab File: VU057882.D
Acq: 19 Feb 2024 15:31

Tgt Ion:180 Resp: 10040
Ion Ratio Lower Upper
180 100
182 92.2 75.8 113.6
145 31.7 25.9 38.9





#71

Naphthalene

Concen: 3.921 ug/L

RT: 14.090 min Scan# 3978

Delta R.T. 0.010 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

Instrument :

MSVOA_U

ClientSampleId :

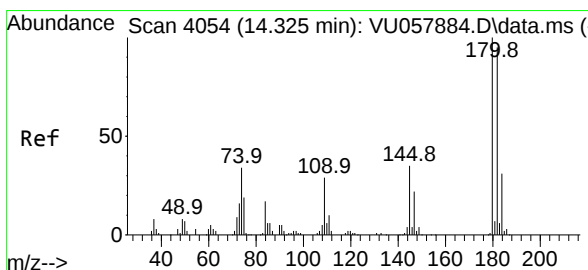
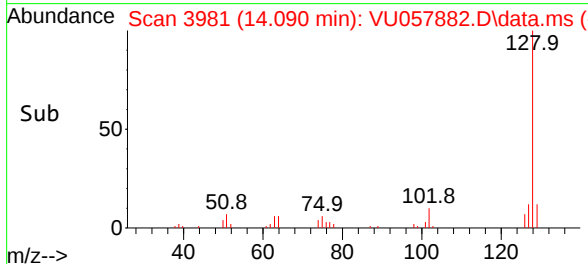
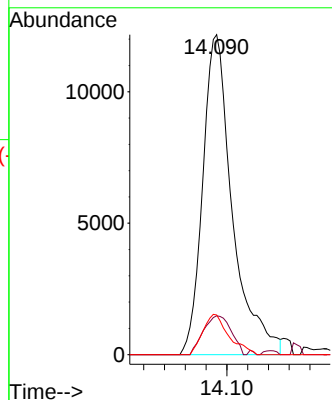
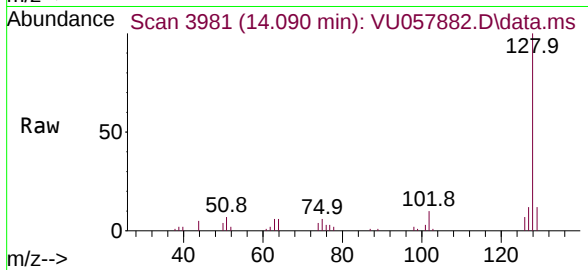
Tgt Ion:128 Resp: 24137

Ion Ratio Lower Upper

128 100

127 11.4 10.2 15.4

129 11.0 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 4.238 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU057882.D

Acq: 19 Feb 2024 15:31

Tgt Ion:180 Resp: 9139

Ion Ratio Lower Upper

180 100

182 92.2 75.4 113.2

145 37.0 27.8 41.8

