

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022824\
 Data File : VU057956.D
 Acq On : 28 Feb 2024 09:28
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 29 00:06:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 28 00:40:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	264201	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	252862	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	123085	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	103783	54.259	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 108.520%		
7) Chloroethane-d5	1.904	69	79707	56.380	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 112.760%		
11) 1,1-Dichloroethene-d2	2.560	63	190137	53.339	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 106.680%		
21) 2-Butanone-d5	4.611	46	94055	129.418	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 129.420%		
24) Chloroform-d	5.052	84	181027	55.814	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 111.620%		
26) 1,2-Dichloroethane-d4	5.692	65	115397	56.757	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 113.520%		
32) Benzene-d6	5.718	84	352763	55.668	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 111.340%		
36) 1,2-Dichloropropane-d6	6.682	67	114359	55.889	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 111.780%		
41) Toluene-d8	7.891	98	316896	55.245	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 110.480%		
43) trans-1,3-Dichloroprop...	8.174	79	54039	55.458	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 110.920%		
47) 2-Hexanone-d5	8.624	63	75567	96.065	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 96.060%		
56) 1,1,2,2-Tetrachloroeth...	10.749	84	145349	51.478	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 102.960%		
66) 1,2-Dichlorobenzene-d4	12.187	152	107005	53.690	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 107.380%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.377	85	132832	45.862	ug/L	99
3) Chloromethane	1.515	50	131012	44.487	ug/L	98
5) Vinyl chloride	1.599	62	134460	46.236	ug/L	100
6) Bromomethane	1.850	94	75439	66.440	ug/L	99
8) Chloroethane	1.923	64	78893	46.388	ug/L	98
9) Trichlorofluoromethane	2.129	101	168811	47.439	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	103223	49.911	ug/L	99
12) 1,1-Dichloroethene	2.570	96	91304	47.730	ug/L	94
13) Acetone	2.608	43	139172	103.427	ug/L	98
14) Carbon disulfide	2.785	76	298171	47.629	ug/L	99
15) Methyl Acetate	2.936	43	104426	47.669	ug/L	100
16) Methylene chloride	3.033	84	108065	43.343	ug/L	99
17) trans-1,2-Dichloroethene	3.341	96	95300	48.020	ug/L	98
18) Methyl tert-butyl Ether	3.348	73	319748	46.277	ug/L	99
19) 1,1-Dichloroethane	3.856	63	196138	47.669	ug/L	97
20) cis-1,2-Dichloroethene	4.653	96	107369	47.160	ug/L	98
22) 2-Butanone	4.685	43	166732	102.274	ug/L	99
23) Bromochloromethane	4.965	128	52599	47.551	ug/L	97
25) Chloroform	5.078	83	199059	48.998	ug/L	99

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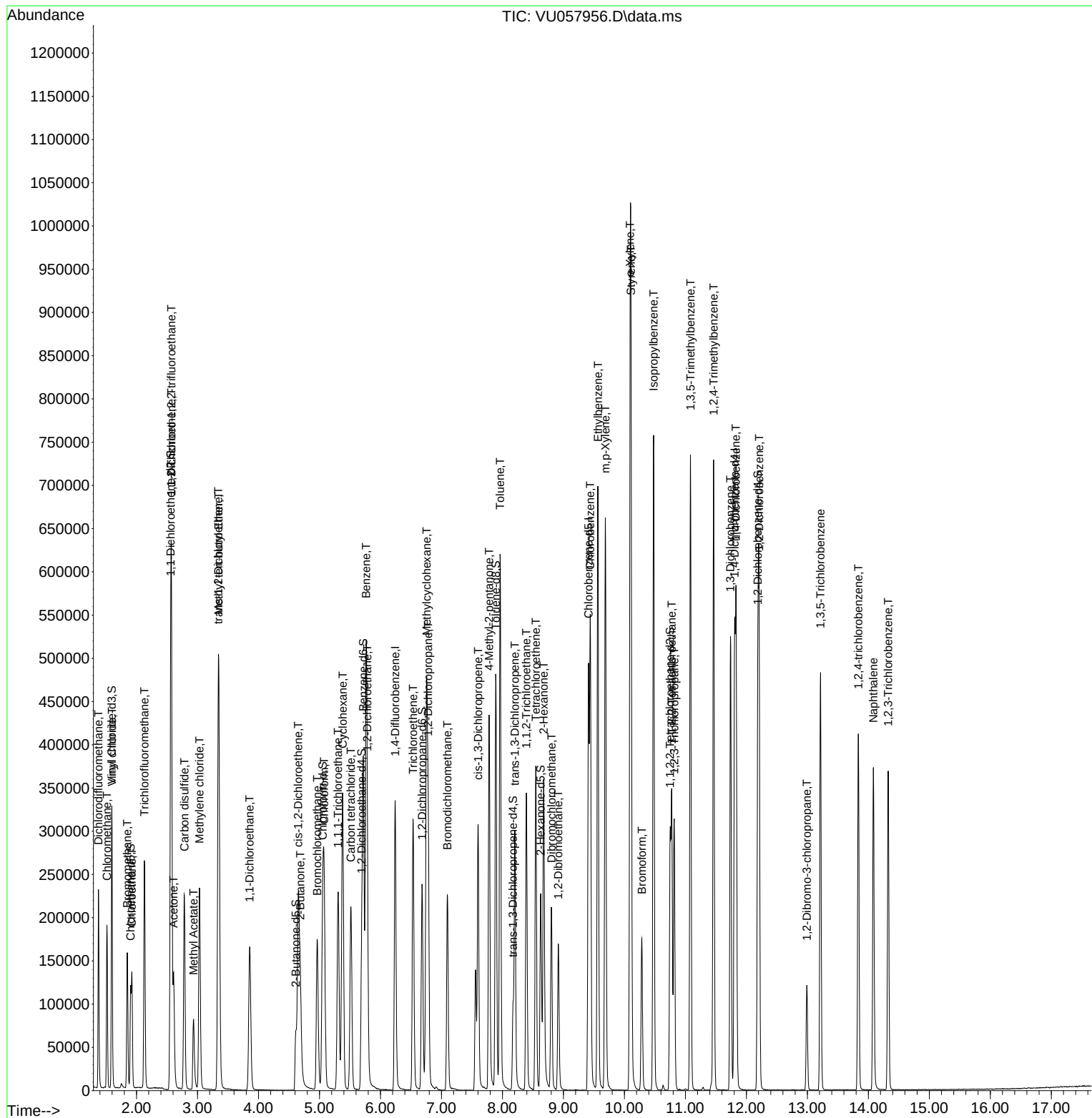
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	159732	47.253	ug/L	97
29) Cyclohexane	5.380	56	177813	47.780	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	166779	48.944	ug/L	99
31) Carbon tetrachloride	5.515	117	146300	49.997	ug/L	100
33) Benzene	5.766	78	425281	48.221	ug/L	100
34) Trichloroethene	6.534	95	111332	49.108	ug/L	98
35) Methylcyclohexane	6.756	83	178645	48.501	ug/L	99
37) 1,2-Dichloropropane	6.782	63	117837	47.351	ug/L	99
38) Bromodichloromethane	7.097	83	146771	49.114	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	187198	49.223	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	289940	92.557	ug/L	99
42) Toluene	7.962	91	443709	48.612	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	172115	48.768	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	105036	47.502	ug/L	97
46) Tetrachloroethene	8.547	164	77683	49.791	ug/L	97
48) 2-Hexanone	8.676	43	235060	91.933	ug/L	98
49) Dibromochloromethane	8.804	129	106665	48.438	ug/L	99
50) 1,2-Dibromoethane	8.917	107	110698	47.547	ug/L	100
51) Chlorobenzene	9.441	112	271773	46.824	ug/L	99
52) Ethylbenzene	9.566	91	496700	48.531	ug/L	99
53) m,p-Xylene	9.688	106	182039	48.908	ug/L	99
54) o-Xylene	10.094	106	177732	48.329	ug/L	96
55) Styrene	10.110	104	298999	47.413	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	170549	45.277	ug/L	97
59) Bromoform	10.287	173	75477	49.954	ug/L #	99
60) 1,2,3-Trichloropropane	10.817	75	129986	45.583	ug/L	99
61) Isopropylbenzene	10.479	105	475247	49.407	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	391551	47.247	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	389108	46.727	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	200847	47.224	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	203947	47.072	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	192052	45.899	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	32598	48.147	ug/L	99
69) 1,3,5-Trichlorobenzene	13.216	180	138595	48.450	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	115551	50.171	ug/L	99
71) Naphthalene	14.084	128	288695	47.202	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	104602	49.447	ug/L	100

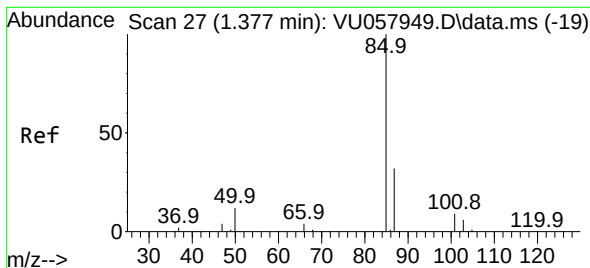
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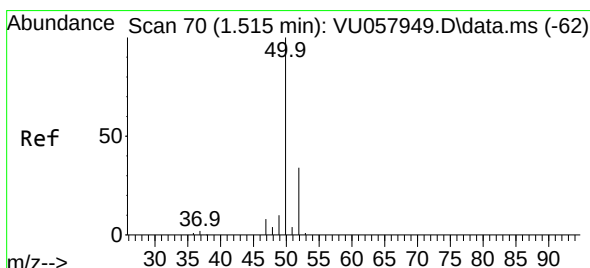
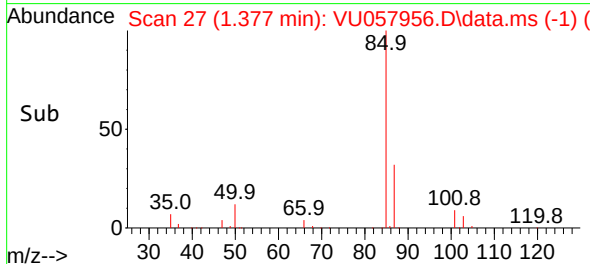
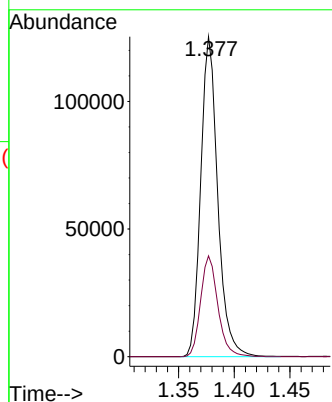
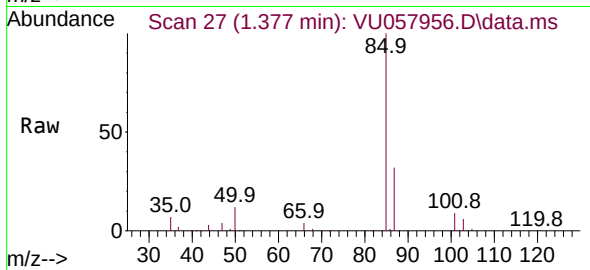




#2
 Dichlorodifluoromethane
 Concen: 45.862 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU057956.D
 Acq: 28 Feb 2024 09:28

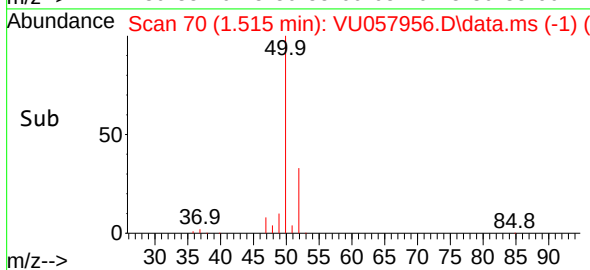
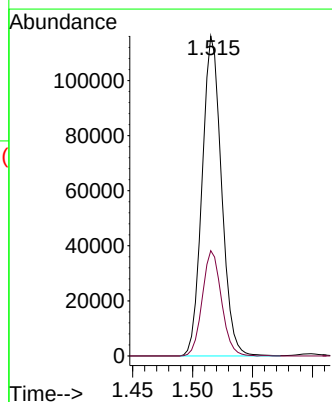
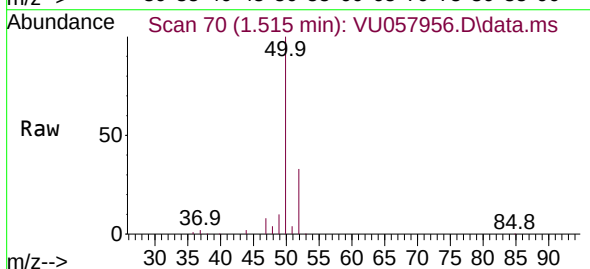
Instrument :
 MSVOA_U
 ClientSampleId :

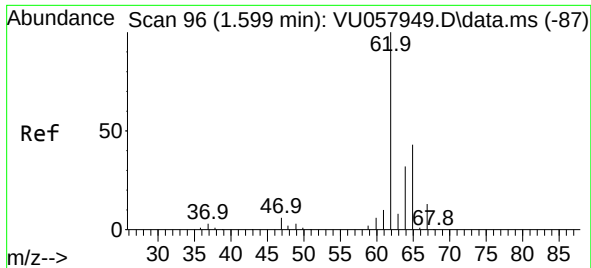
Tgt Ion: 85 Resp: 132832
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.2 39.2



#3
 Chloromethane
 Concen: 44.487 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU057956.D
 Acq: 28 Feb 2024 09:28

Tgt Ion: 50 Resp: 131012
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.8 44.2

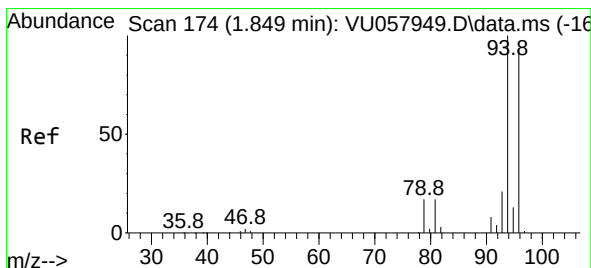
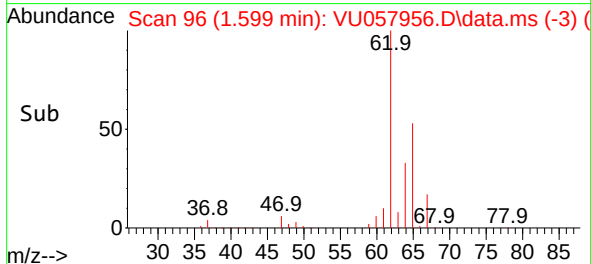
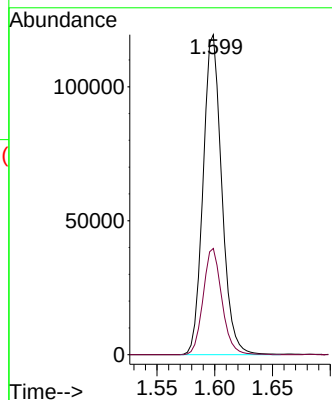
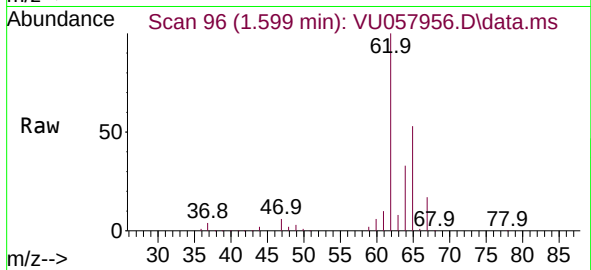




#5
 Vinyl chloride
 Concen: 46.236 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU057956.D
 Acq: 28 Feb 2024 09:28

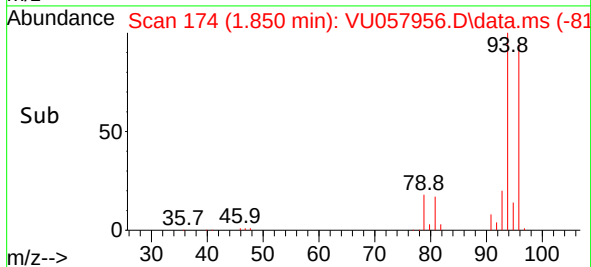
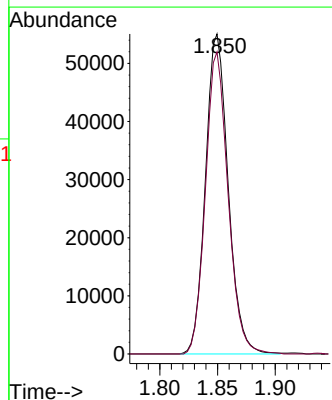
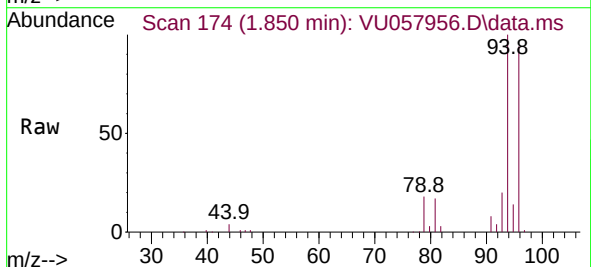
Instrument :
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 ClientSampleId :

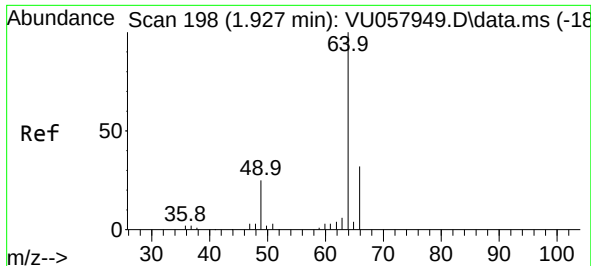
Tgt Ion: 62 Resp: 134460
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.1 42.9



#6
 Bromomethane
 Concen: 66.440 ug/L
 RT: 1.850 min Scan# 174
 Delta R.T. 0.000 min
 Lab File: VU057956.D
 Acq: 28 Feb 2024 09:28

Tgt Ion: 94 Resp: 75439
 Ion Ratio Lower Upper
 94 100
 96 94.4 65.5 121.7

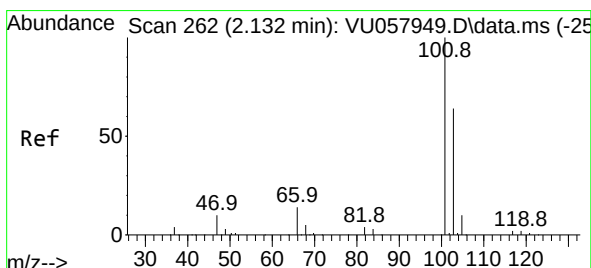
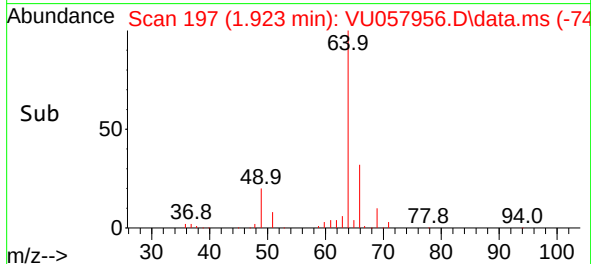
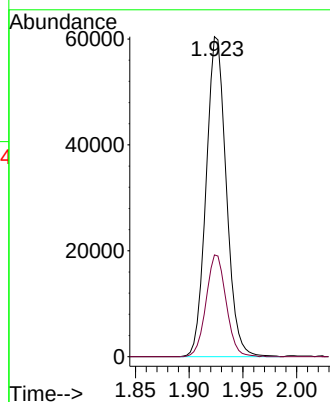
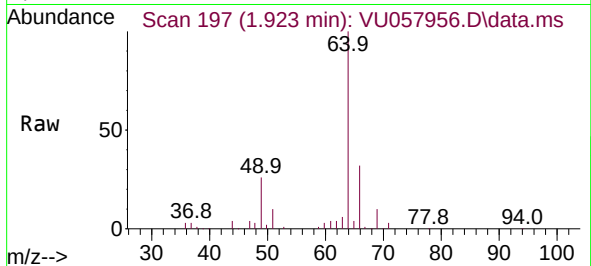




#8
Chloroethane
Concen: 46.388 ug/L
RT: 1.923 min Scan# 198
Delta R.T. -0.003 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

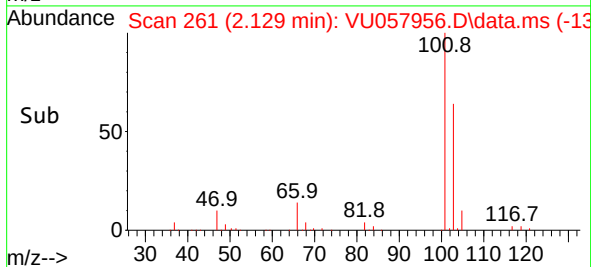
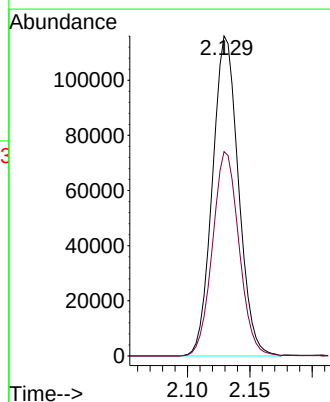
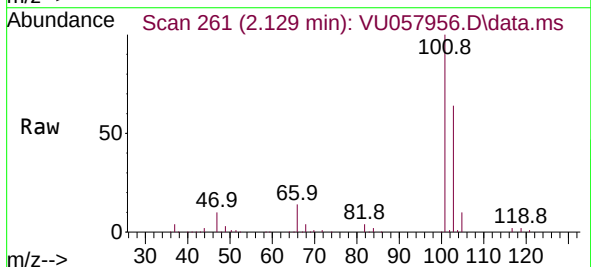
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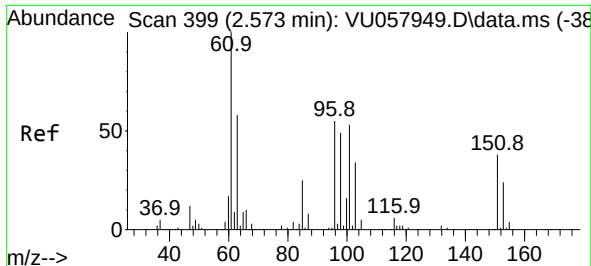
Tgt Ion: 64 Resp: 78893
Ion Ratio Lower Upper
64 100
66 33.1 22.5 41.9



#9
Trichlorofluoromethane
Concen: 47.439 ug/L
RT: 2.129 min Scan# 261
Delta R.T. -0.003 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

Tgt Ion:101 Resp: 168811
Ion Ratio Lower Upper
101 100
103 65.1 51.7 77.5

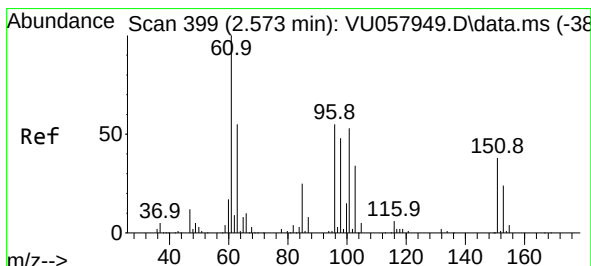
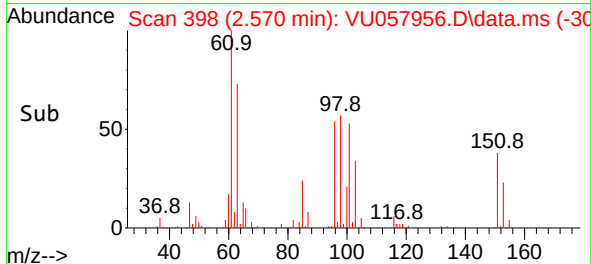
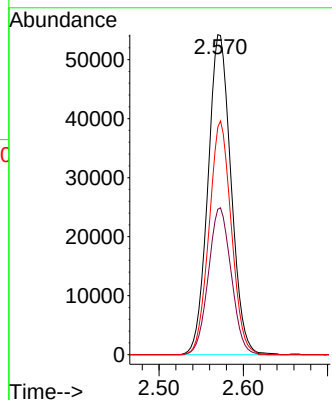
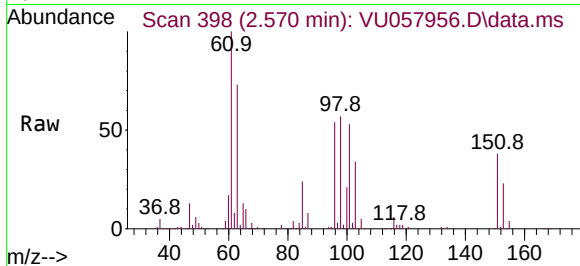




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 49.911 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.003 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

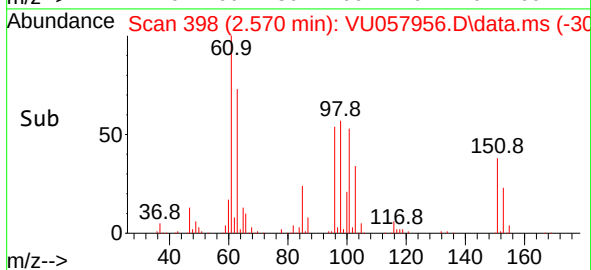
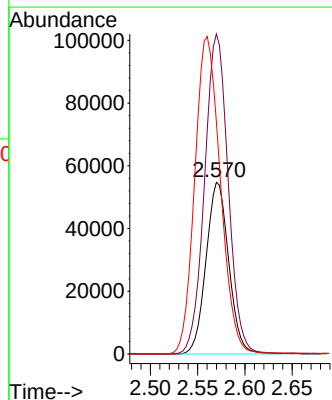
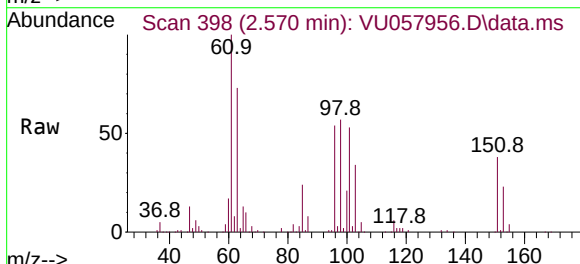
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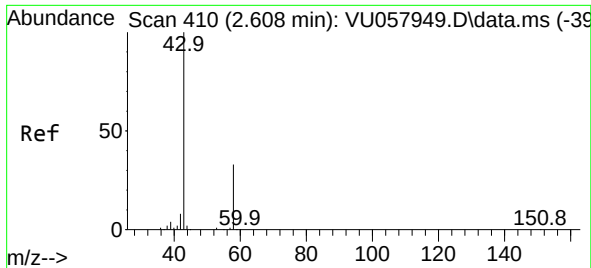
Tgt Ion:101 Resp: 103223
Ion Ratio Lower Upper
101 100
85 45.4 35.7 53.5
151 70.4 55.8 83.6



#12
1,1-Dichloroethene
Concen: 47.730 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.003 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

Tgt Ion: 96 Resp: 91304
Ion Ratio Lower Upper
96 100
61 186.5 126.8 235.6
63 135.5 86.5 160.7





#13

Acetone

Concen: 103.427 ug/L

RT: 2.608 min Scan# 410

Delta R.T. 0.000 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

Instrument :

MSVOA_U

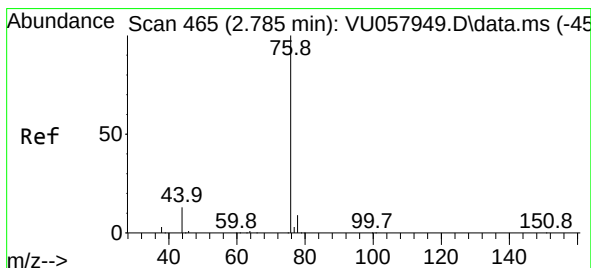
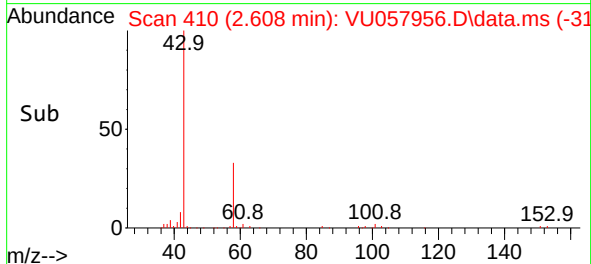
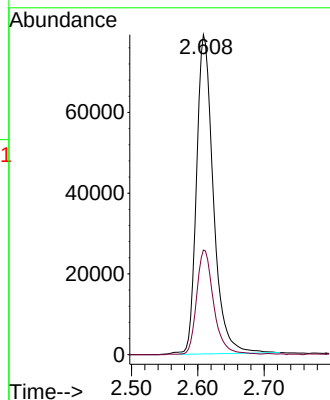
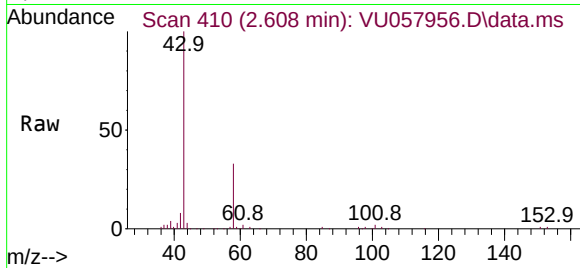
ClientSampleId :

Tgt Ion: 43 Resp: 139172

Ion Ratio Lower Upper

43 100

58 33.2 0.0 64.2



#14

Carbon disulfide

Concen: 47.629 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU057956.D

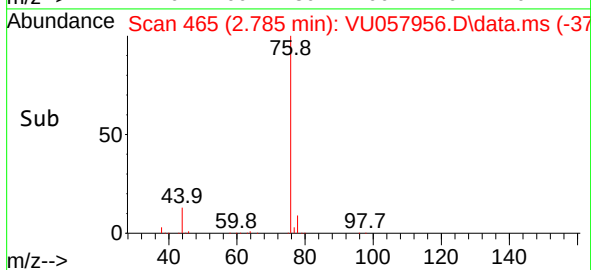
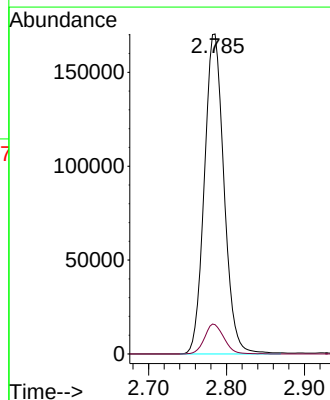
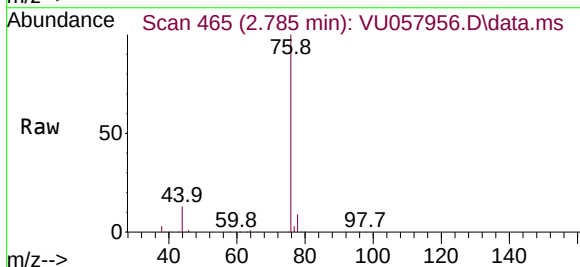
Acq: 28 Feb 2024 09:28

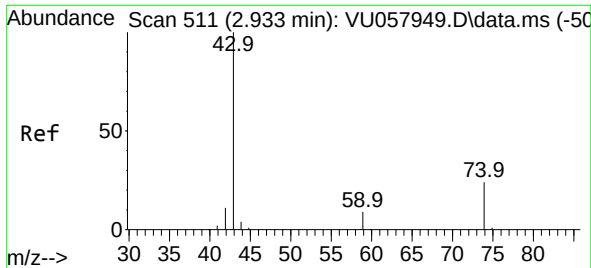
Tgt Ion: 76 Resp: 298171

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

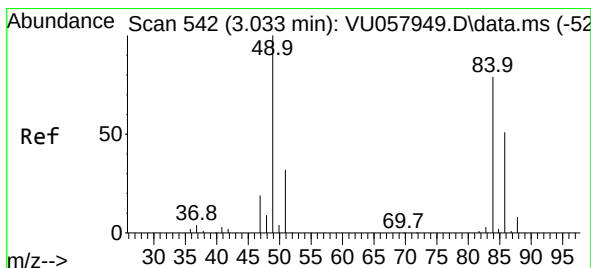
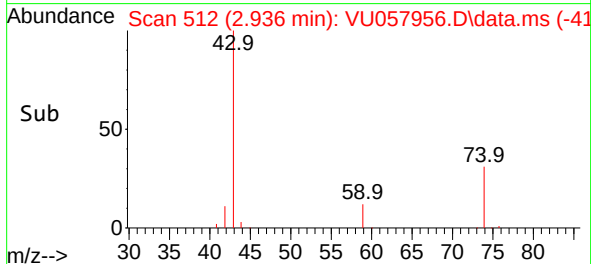
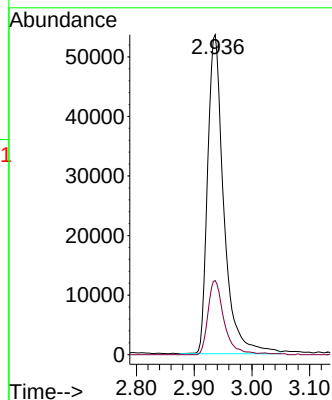
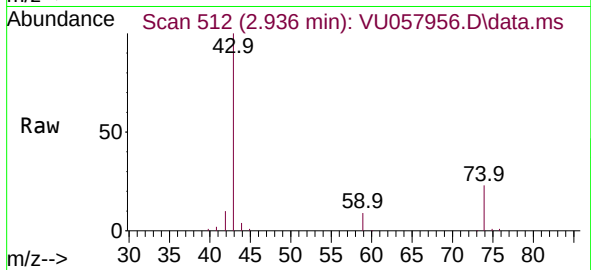




#15
Methyl Acetate
Concen: 47.669 ug/L
RT: 2.936 min Scan# 511
Delta R.T. 0.003 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

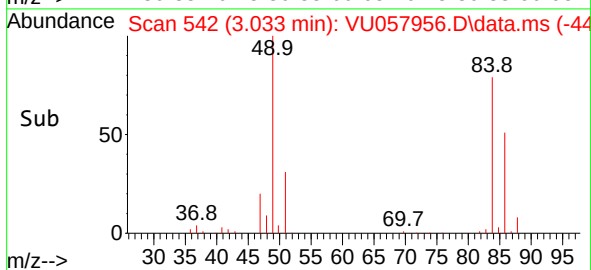
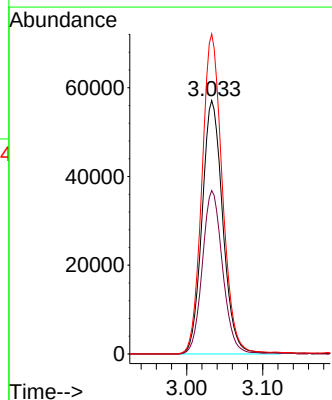
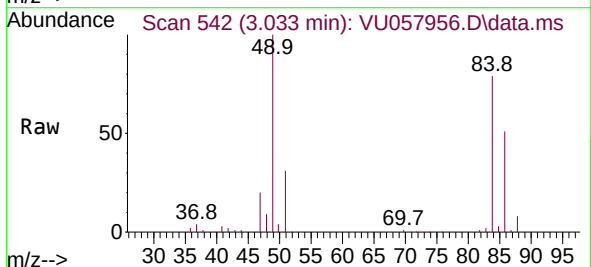
Instrument :
MSVOA_U
ClientSampleId :

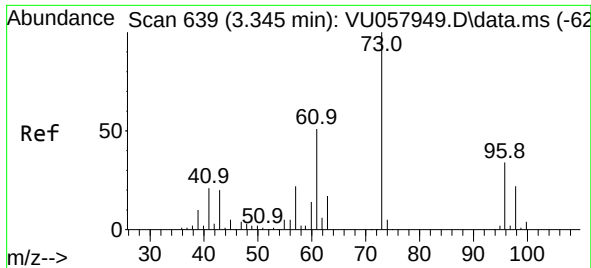
Tgt Ion: 43 Resp: 104426
Ion Ratio Lower Upper
43 100
74 23.0 18.6 27.8



#16
Methylene chloride
Concen: 43.343 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.000 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

Tgt Ion: 84 Resp: 108065
Ion Ratio Lower Upper
84 100
86 64.5 45.1 83.7
49 126.3 89.7 166.5

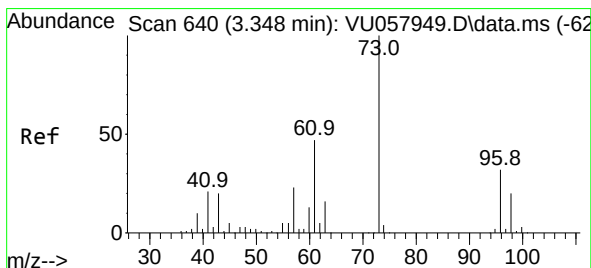
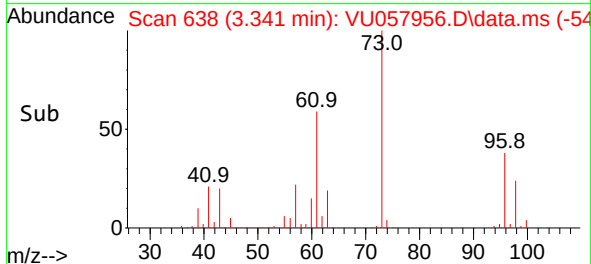
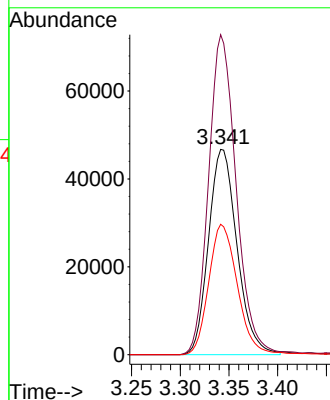
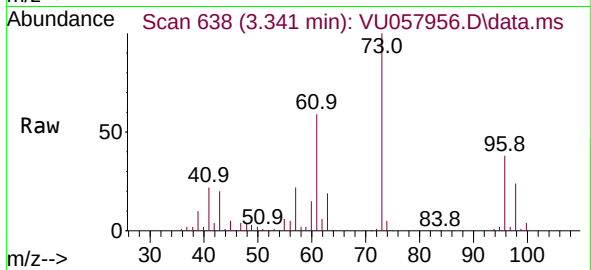




#17
trans-1,2-Dichloroethene
Concen: 48.020 ug/L
RT: 3.341 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

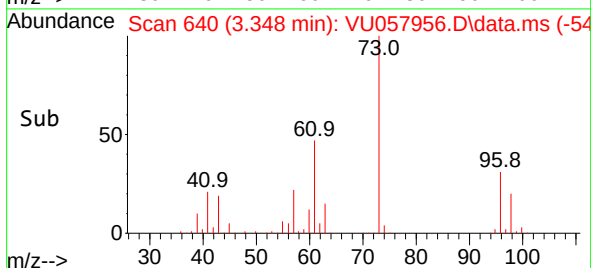
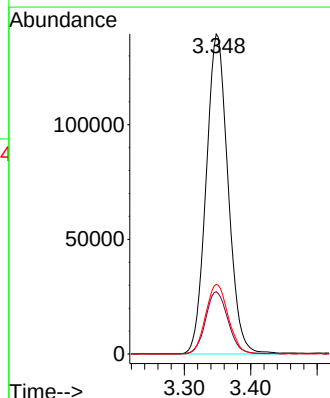
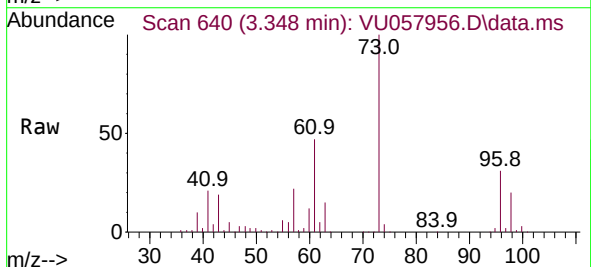
Instrument :
MSVOA_U
ClientSampleId :

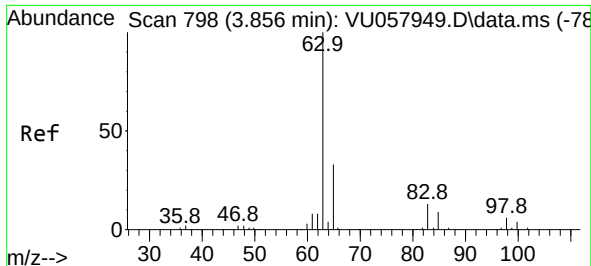
Tgt Ion: 96 Resp: 95300
Ion Ratio Lower Upper
96 100
61 155.9 106.3 197.3
98 63.6 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 46.277 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

Tgt Ion: 73 Resp: 319748
Ion Ratio Lower Upper
73 100
43 19.7 16.0 24.0
57 22.4 17.8 26.6





#19

1,1-Dichloroethane

Concen: 47.669 ug/L

RT: 3.856 min Scan# 79

Delta R.T. 0.000 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

Instrument :

MSVOA_U

ClientSampleId :

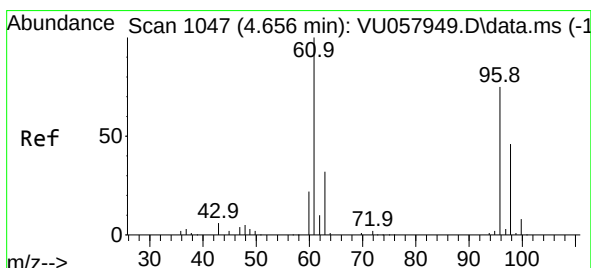
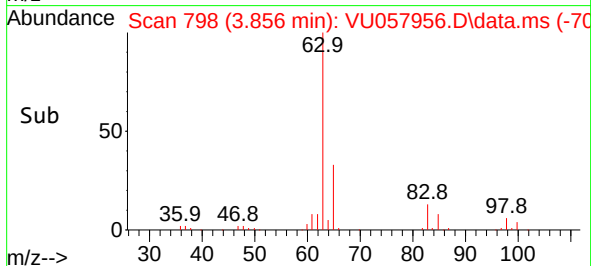
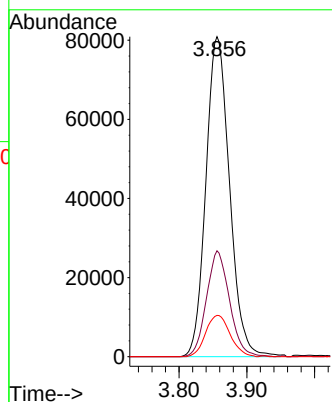
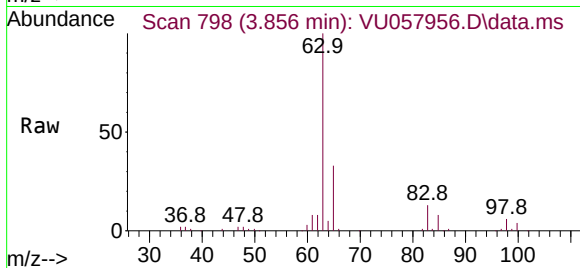
Tgt Ion: 63 Resp: 196138

Ion Ratio Lower Upper

63 100

65 33.1 21.7 40.3

83 13.5 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 47.160 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. -0.003 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

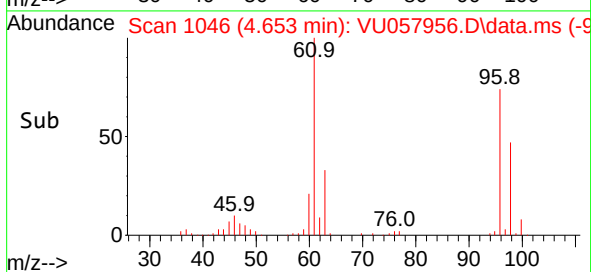
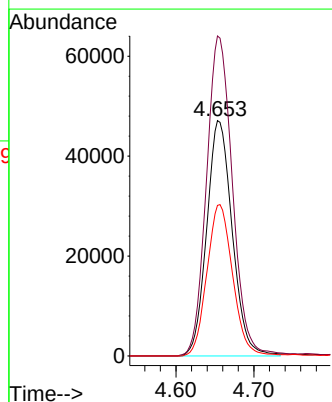
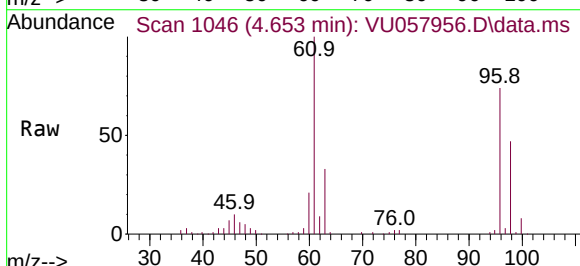
Tgt Ion: 96 Resp: 107369

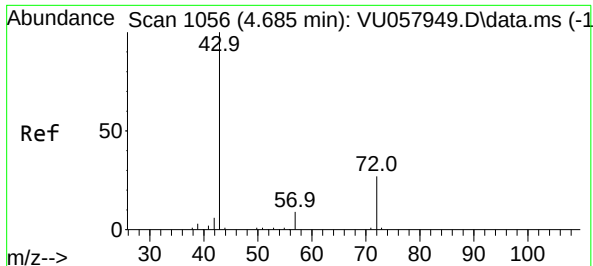
Ion Ratio Lower Upper

96 100

61 136.0 96.7 179.7

98 64.0 44.3 82.3





#22

2-Butanone

Concen: 102.274 ug/L

RT: 4.685 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

Instrument :

MSVOA_U

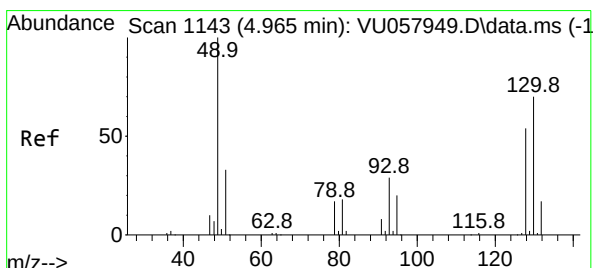
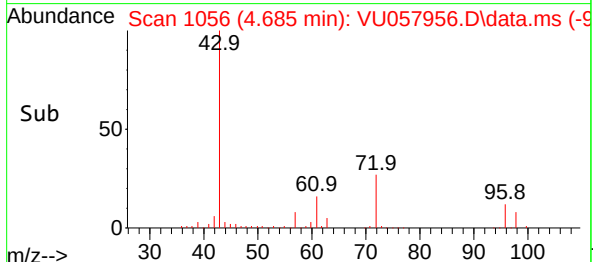
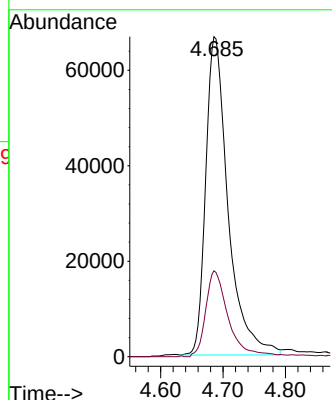
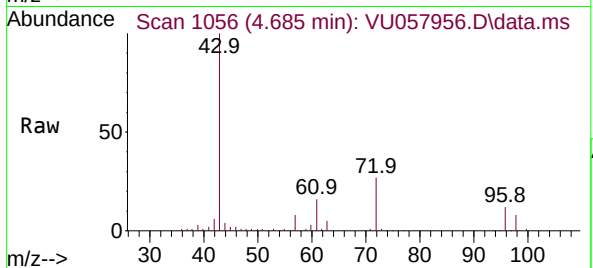
ClientSampleId :

Tgt Ion: 43 Resp: 166732

Ion Ratio Lower Upper

43 100

72 26.9 13.8 41.3



#23

Bromochloromethane

Concen: 47.551 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

Tgt Ion:128 Resp: 52599

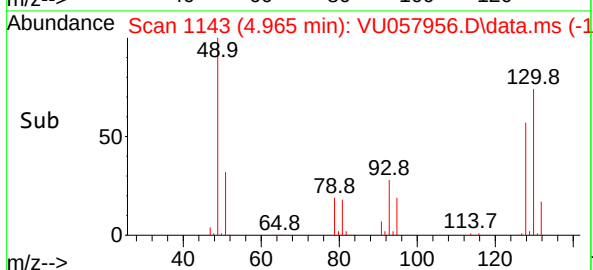
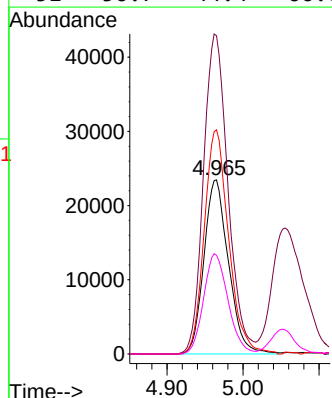
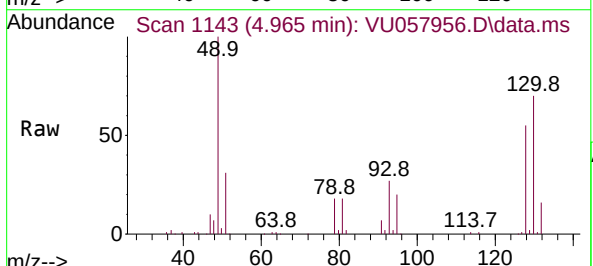
Ion Ratio Lower Upper

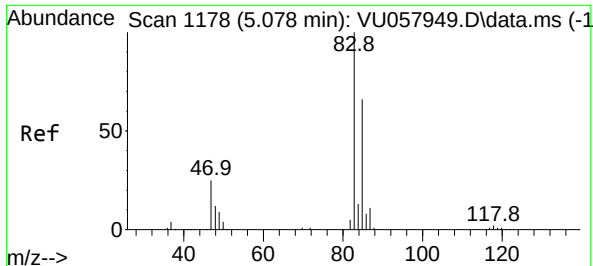
128 100

49 182.9 124.0 230.4

130 128.8 87.8 163.0

51 56.7 44.4 66.6





#25

Chloroform

Concen: 48.998 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

Instrument :

MSVOA_U

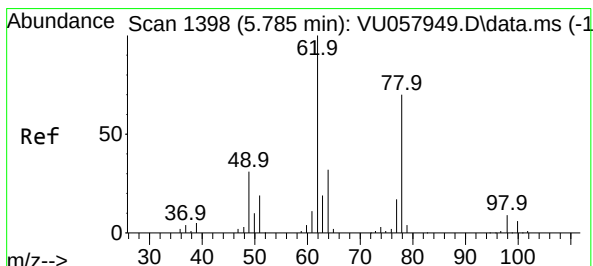
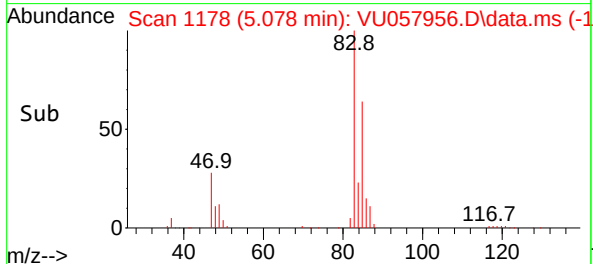
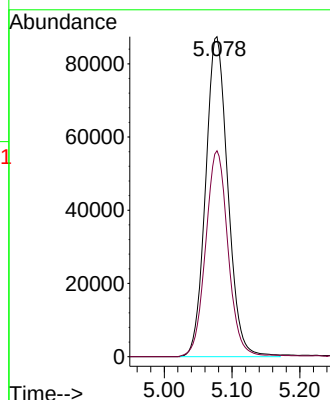
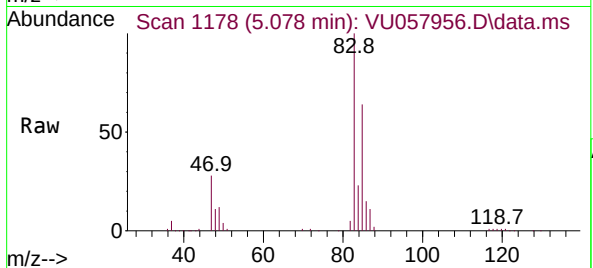
ClientSampleId :

Tgt Ion: 83 Resp: 199059

Ion Ratio Lower Upper

83 100

85 64.4 45.6 84.6



#27

1,2-Dichloroethane

Concen: 47.253 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU057956.D

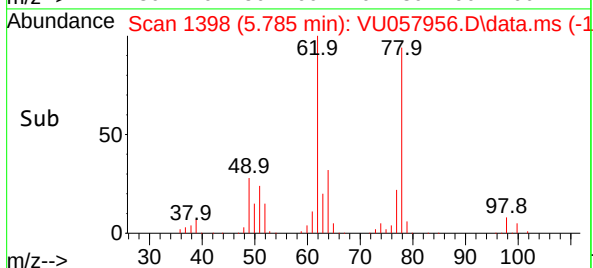
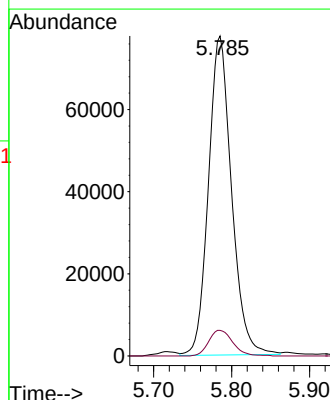
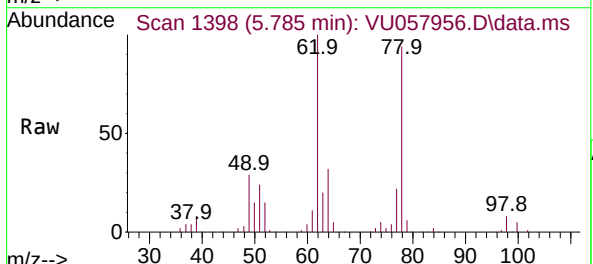
Acq: 28 Feb 2024 09:28

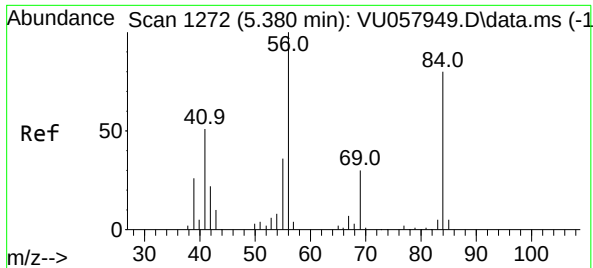
Tgt Ion: 62 Resp: 159732

Ion Ratio Lower Upper

62 100

98 8.0 7.1 10.7





#29

Cyclohexane

Concen: 47.780 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

Instrument :

MSVOA_U

ClientSampleId :

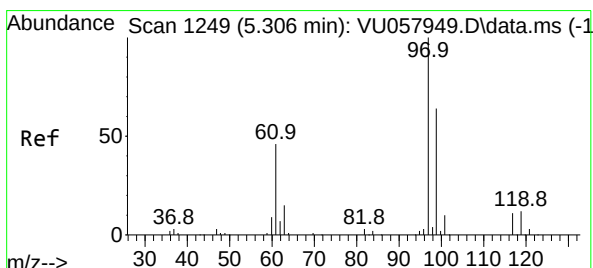
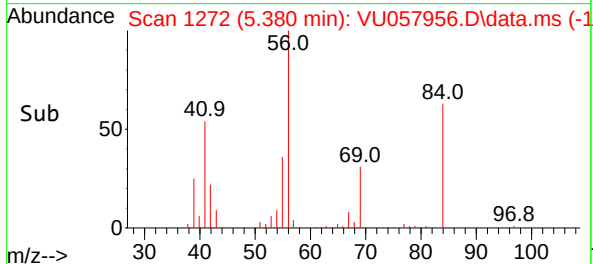
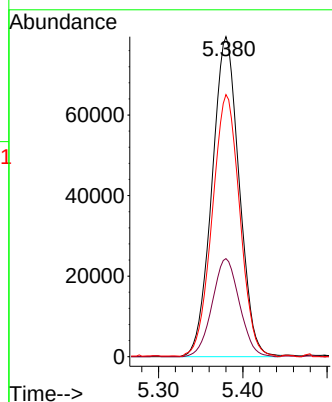
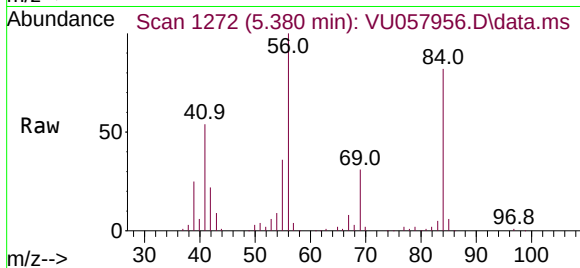
Tgt Ion: 56 Resp: 177813

Ion Ratio Lower Upper

56 100

69 30.7 24.6 36.8

84 82.9 66.9 100.3



#30

1,1,1-Trichloroethane

Concen: 48.944 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. 0.000 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

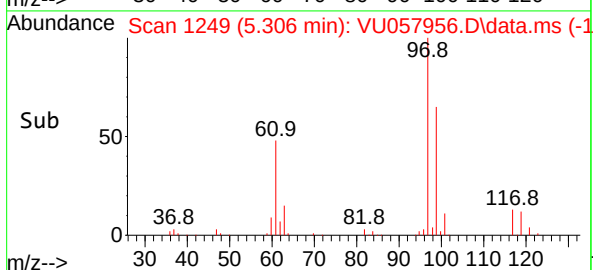
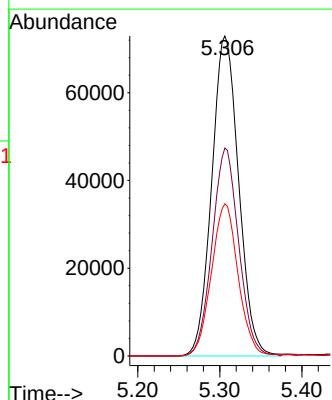
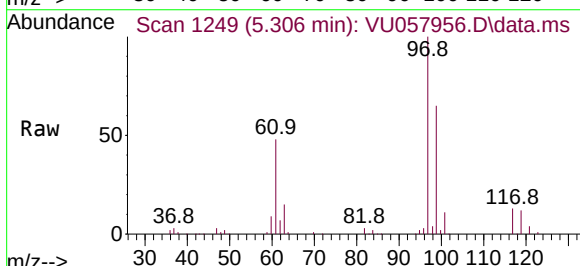
Tgt Ion: 97 Resp: 166779

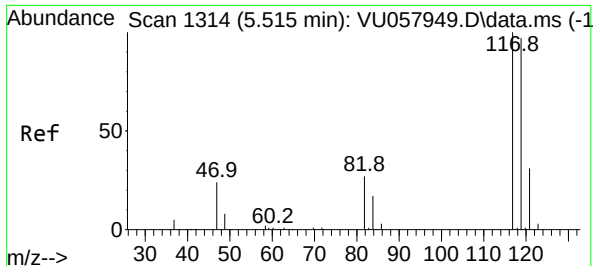
Ion Ratio Lower Upper

97 100

99 64.0 51.6 77.4

61 47.2 36.8 55.2

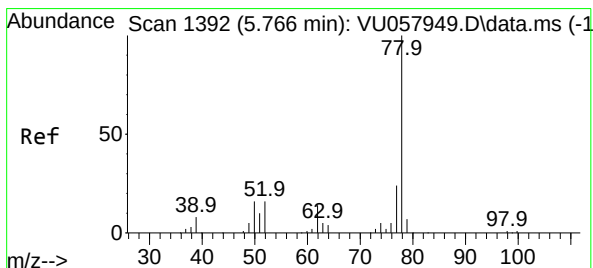
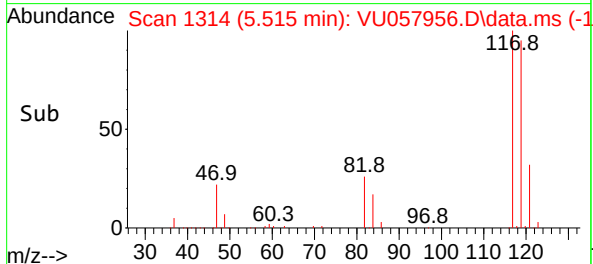
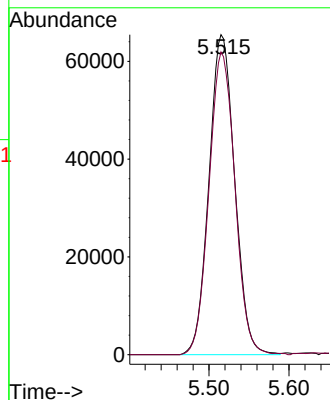
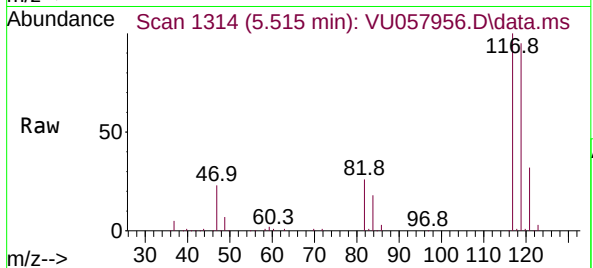




#31
Carbon tetrachloride
Concen: 49.997 ug/L
RT: 5.515 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

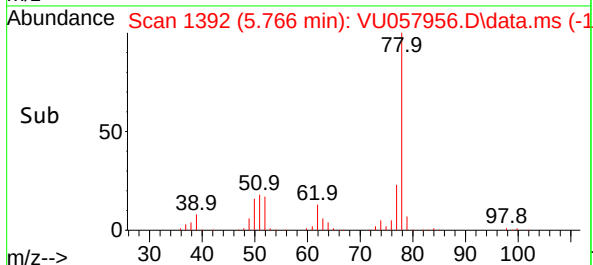
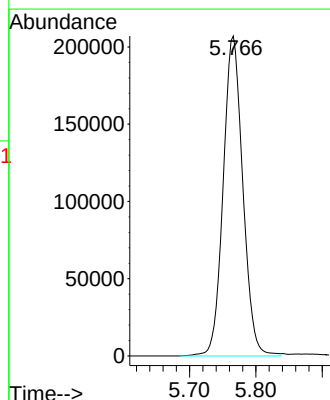
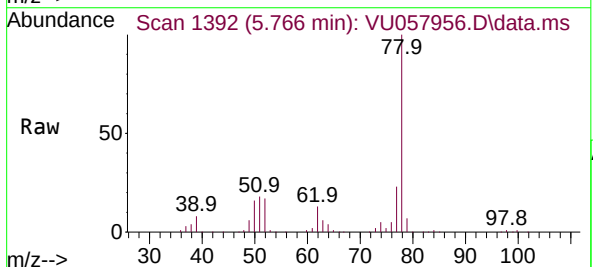
Instrument :
MSVOA_U
ClientSampleId :

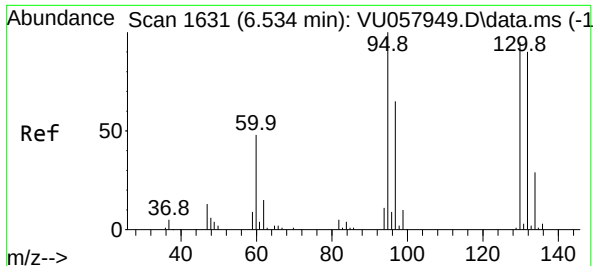
Tgt Ion:117 Resp: 146300
Ion Ratio Lower Upper
117 100
119 95.0 75.9 113.9



#33
Benzene
Concen: 48.221 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

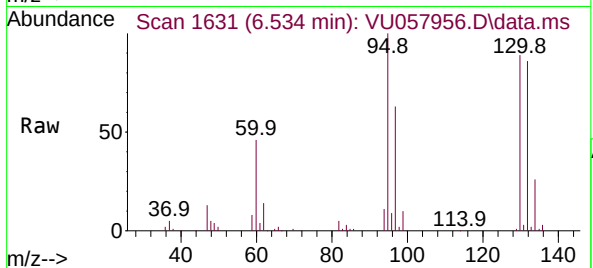
Tgt Ion: 78 Resp: 425281



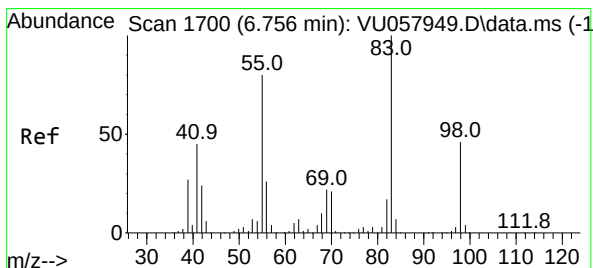
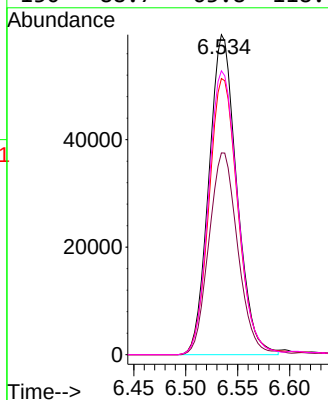
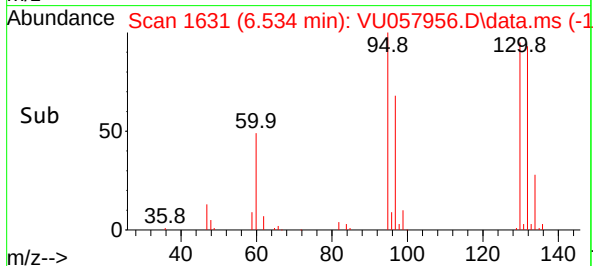


#34
Trichloroethene
Concen: 49.108 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

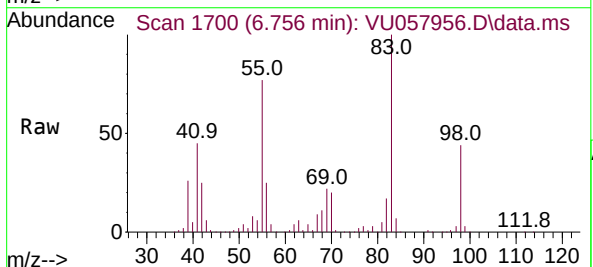
Instrument :
MSVOA_U
ClientSampleId :



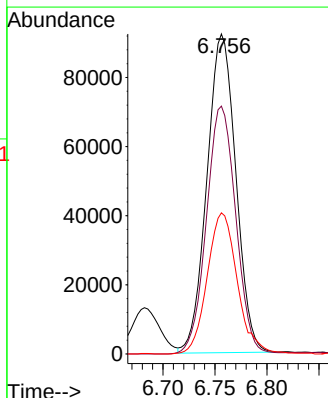
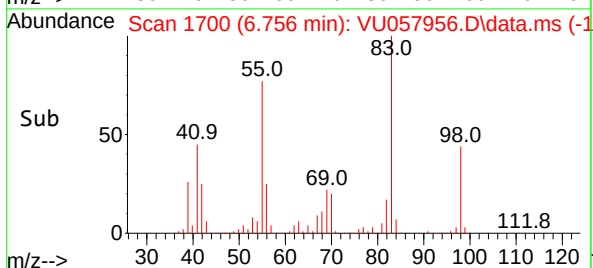
Tgt Ion: 95 Resp: 111332
Ion Ratio Lower Upper
95 100
97 63.1 44.2 82.2
132 86.3 61.4 114.0
130 88.7 63.8 118.4

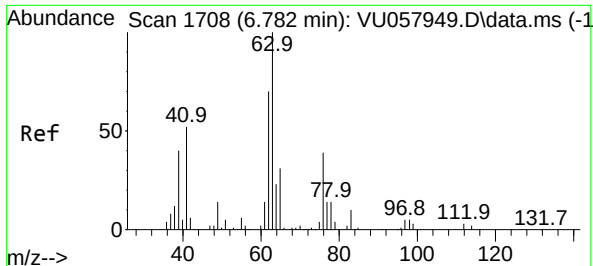


#35
Methylcyclohexane
Concen: 48.501 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28



Tgt Ion: 83 Resp: 178645
Ion Ratio Lower Upper
83 100
55 79.0 62.7 94.1
98 46.0 36.3 54.5





#37

1,2-Dichloropropane

Concen: 47.351 ug/L

RT: 6.782 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

Instrument :

MSVOA_U

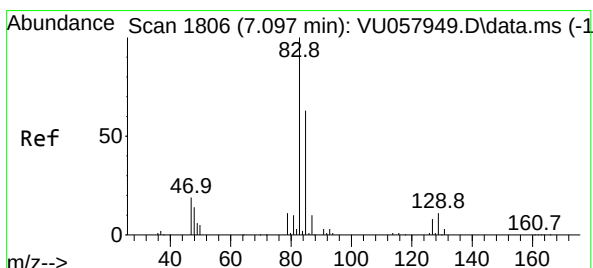
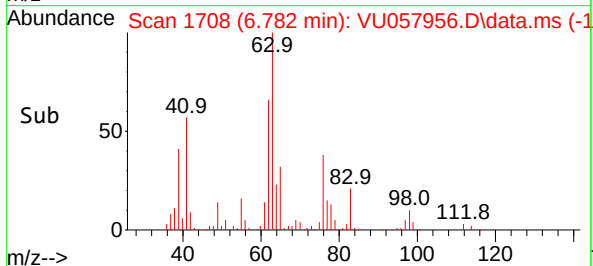
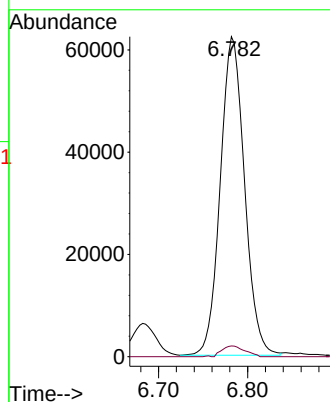
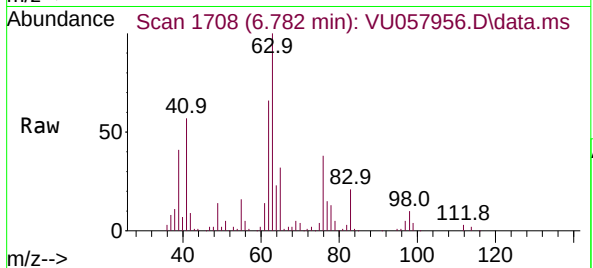
ClientSampleId :

Tgt Ion: 63 Resp: 117837

Ion Ratio Lower Upper

63 100

112 3.2 2.9 4.3



#38

Bromodichloromethane

Concen: 49.114 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

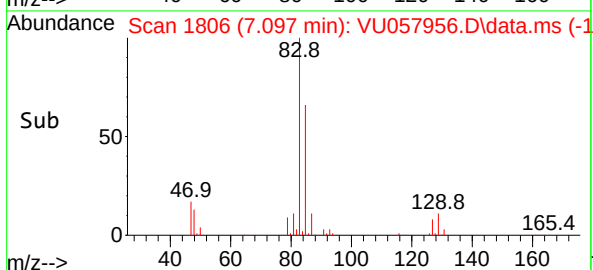
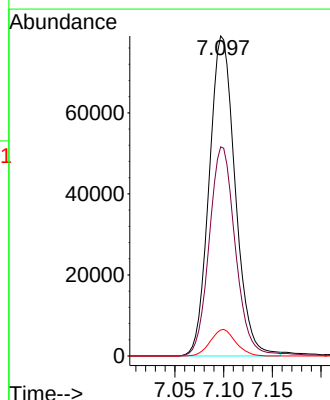
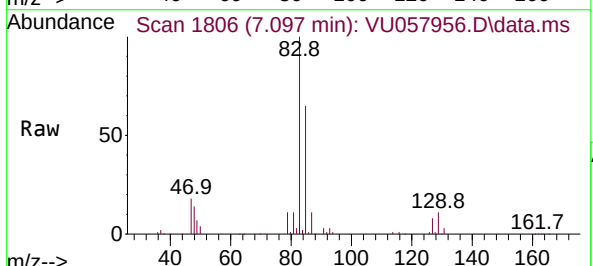
Tgt Ion: 83 Resp: 146771

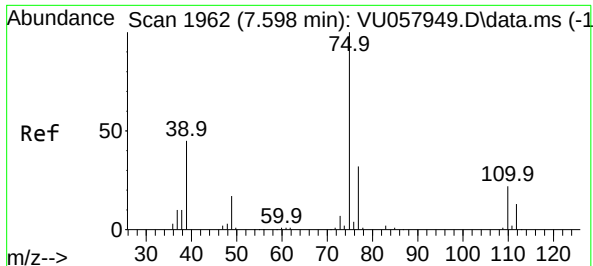
Ion Ratio Lower Upper

83 100

85 65.4 45.4 84.4

127 8.8 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 49.223 ug/L

RT: 7.602 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

Instrument :

MSVOA_U

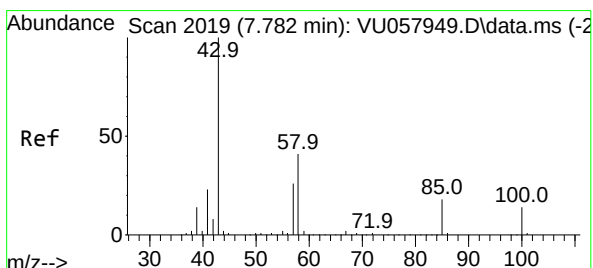
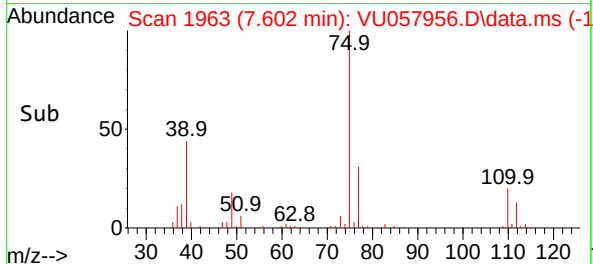
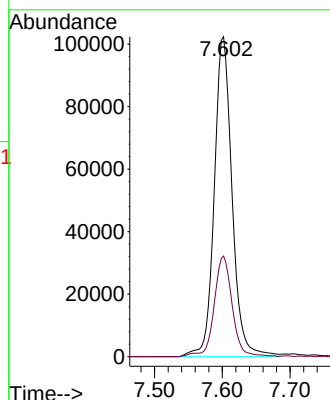
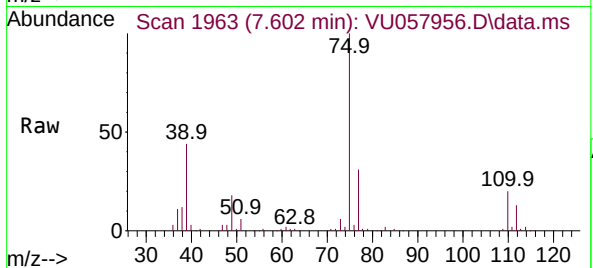
ClientSampleId :

Tgt Ion: 75 Resp: 187198

Ion Ratio Lower Upper

75 100

77 32.4 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 92.557 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

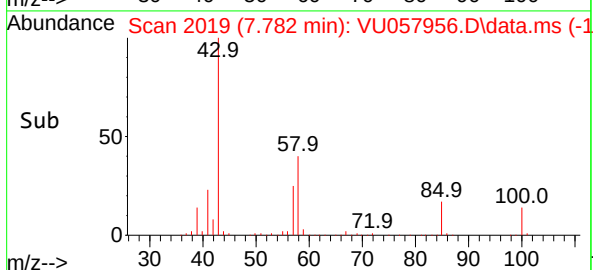
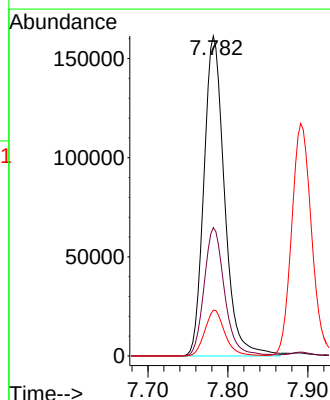
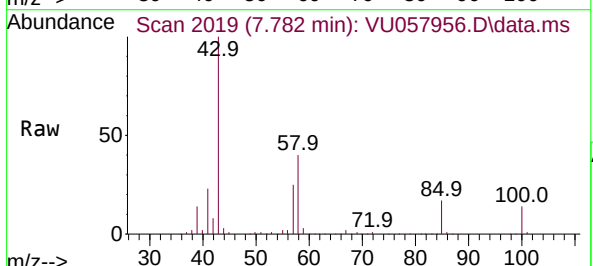
Tgt Ion: 43 Resp: 289940

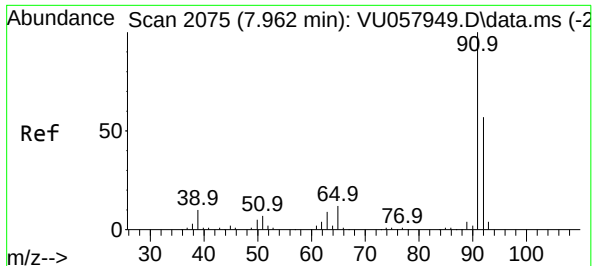
Ion Ratio Lower Upper

43 100

58 39.8 32.3 48.5

100 14.0 11.4 17.0





#42

Toluene

Concen: 48.612 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

Instrument :

MSVOA_U

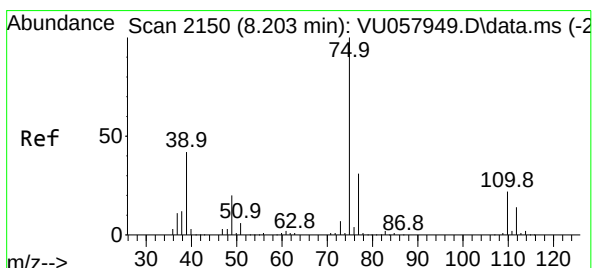
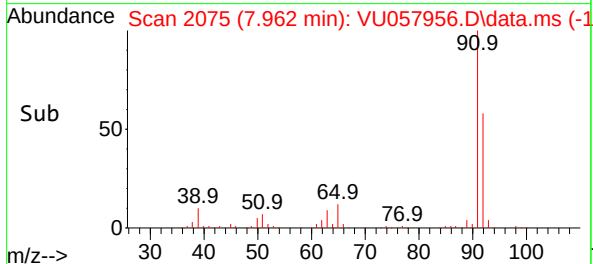
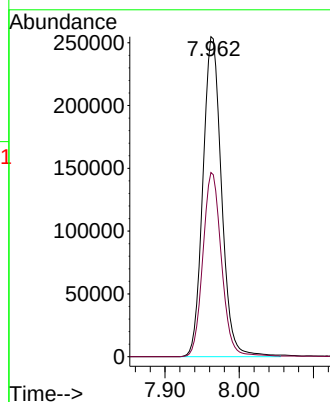
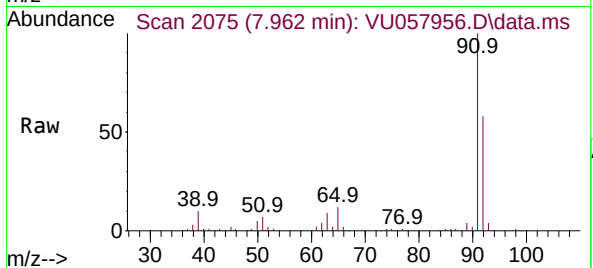
ClientSampleId :

Tgt Ion: 91 Resp: 443709

Ion Ratio Lower Upper

91 100

92 57.5 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 48.768 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU057956.D

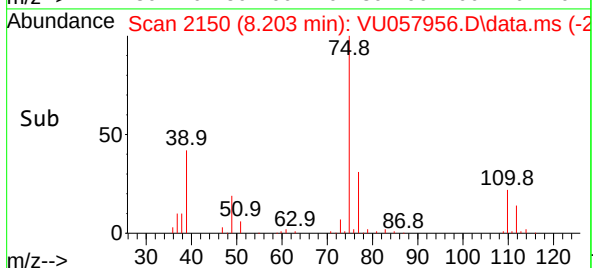
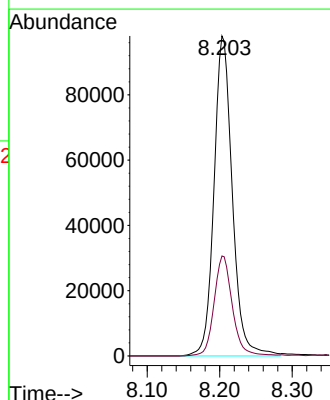
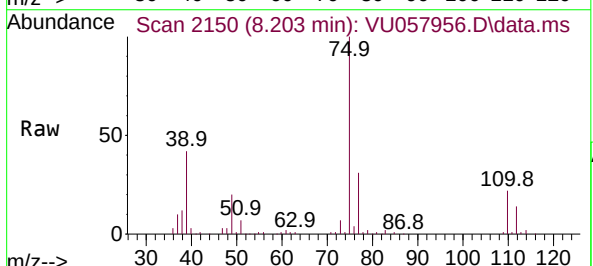
Acq: 28 Feb 2024 09:28

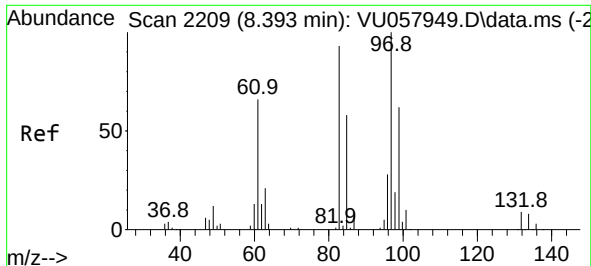
Tgt Ion: 75 Resp: 172115

Ion Ratio Lower Upper

75 100

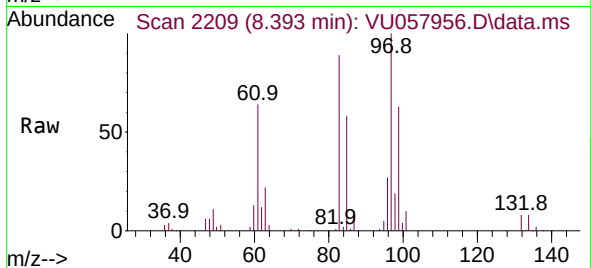
77 31.2 21.8 40.4



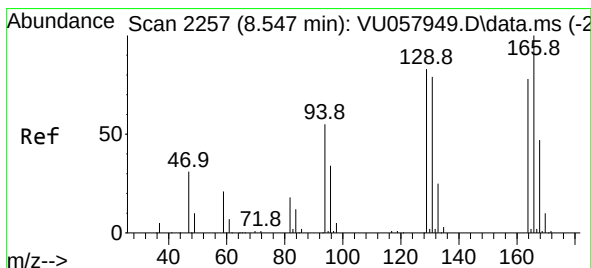
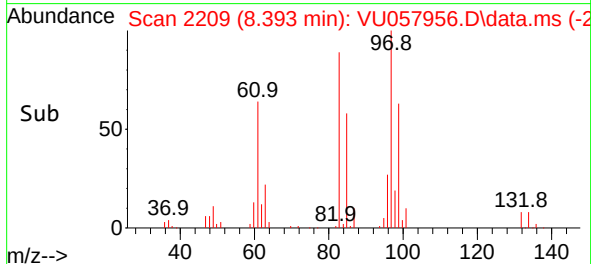
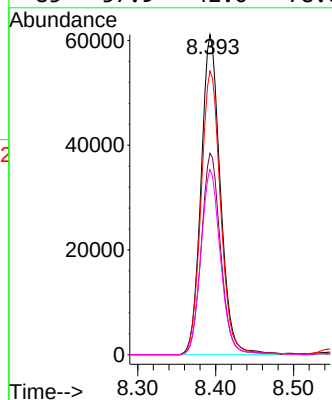


#45
1,1,2-Trichloroethane
Concen: 47.502 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

Instrument :
MSVOA_U
ClientSampleId :

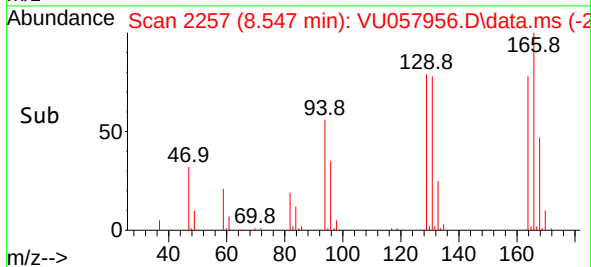
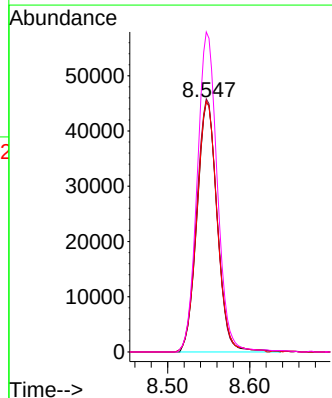
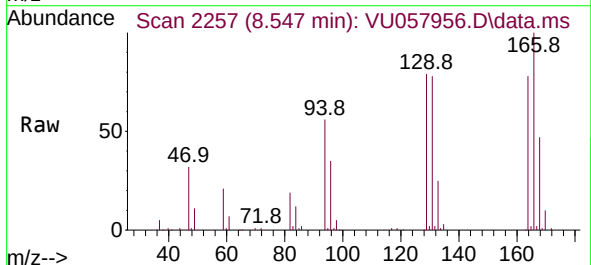


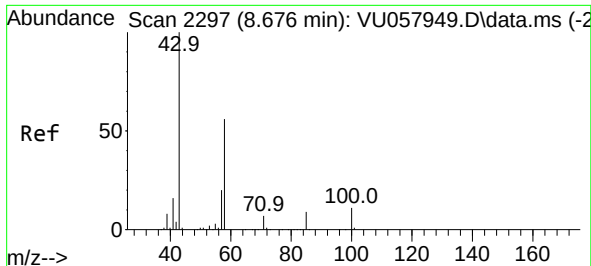
Tgt Ion:	97	Resp:	105036
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.0	80.0
83	88.6	65.0	120.6
85	57.9	42.0	78.0



#46
Tetrachloroethene
Concen: 49.791 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

Tgt Ion:	164	Resp:	77683
Ion	Ratio	Lower	Upper
164	100		
129	101.2	74.1	137.7
131	102.3	72.0	133.6
166	127.9	91.6	170.0

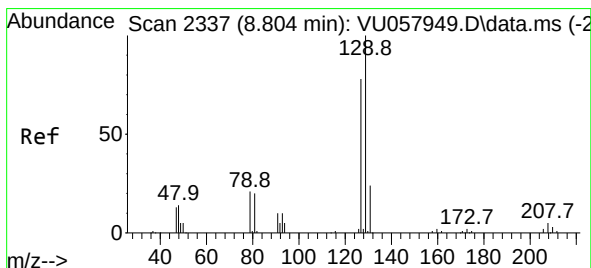
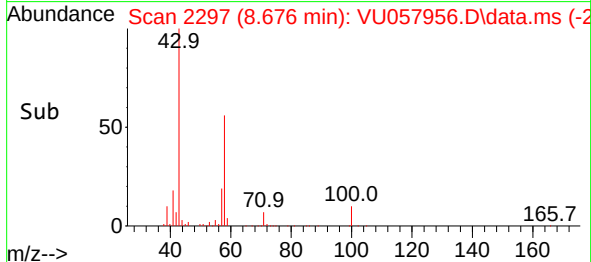
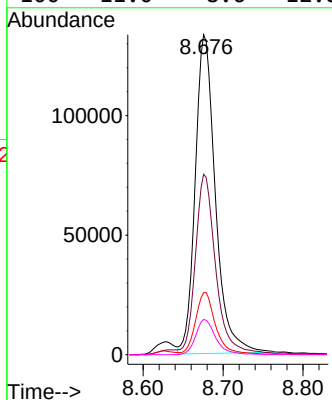
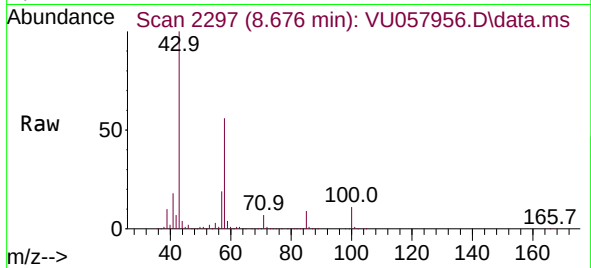




#48
2-Hexanone
Concen: 91.933 ug/L
RT: 8.676 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

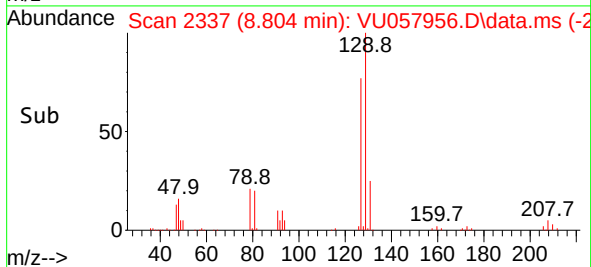
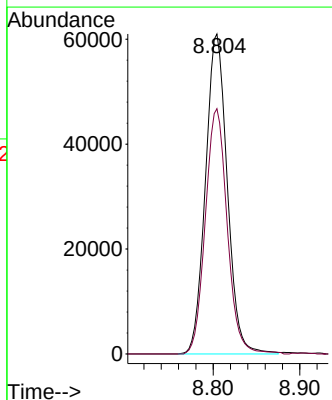
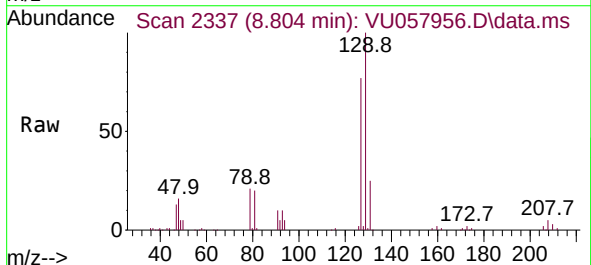
Instrument :
MSVOA_U
ClientSampleId :

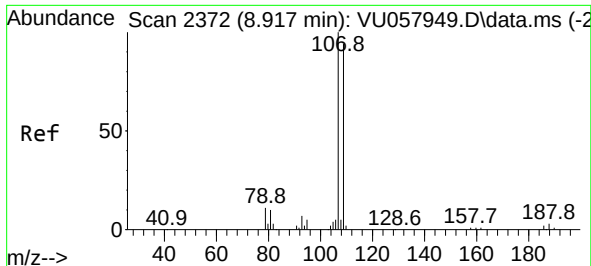
Tgt Ion: 43 Resp: 235060
Ion Ratio Lower Upper
43 100
58 56.6 43.8 65.8
57 19.2 15.5 23.3
100 11.0 8.6 12.8



#49
Dibromochloromethane
Concen: 48.438 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

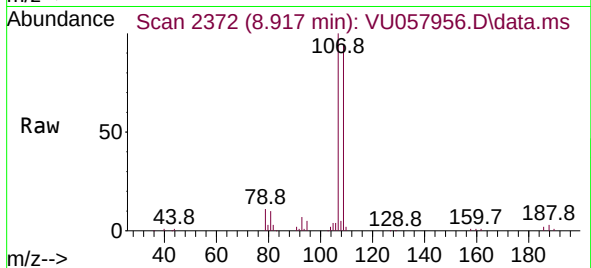
Tgt Ion: 129 Resp: 106665
Ion Ratio Lower Upper
129 100
127 76.6 53.3 99.1



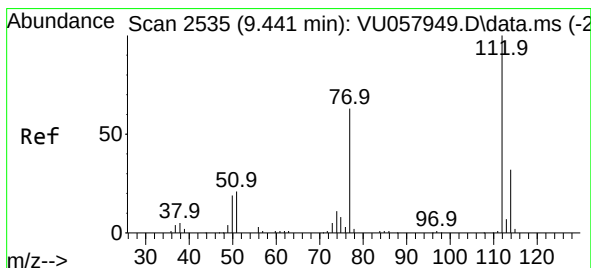
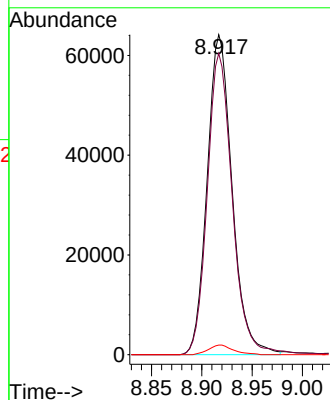
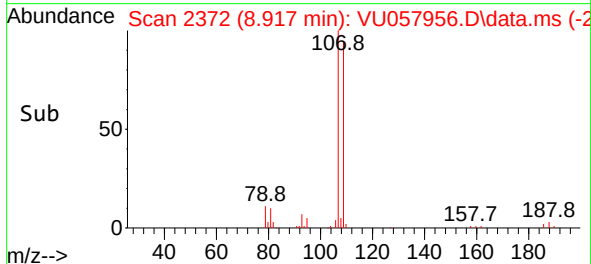


#50
1,2-Dibromoethane
Concen: 47.547 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

Instrument :
MSVOA_U
ClientSampleId :

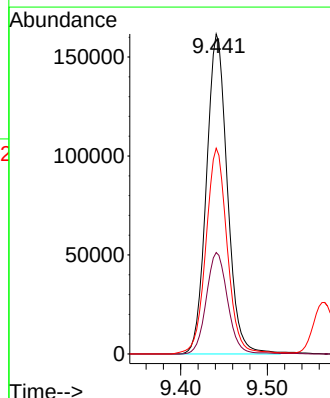
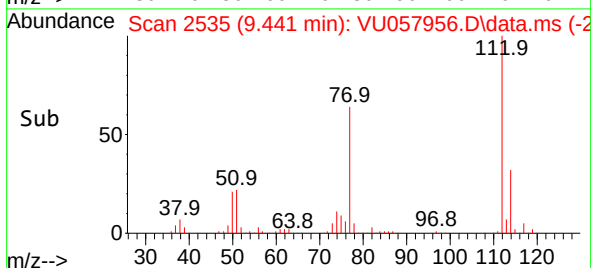
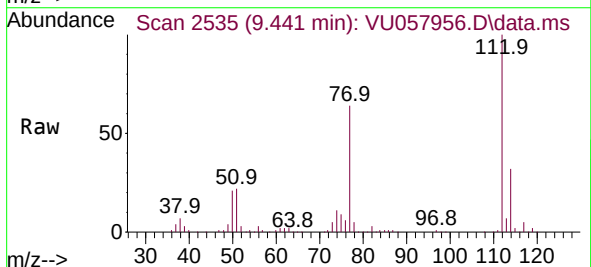


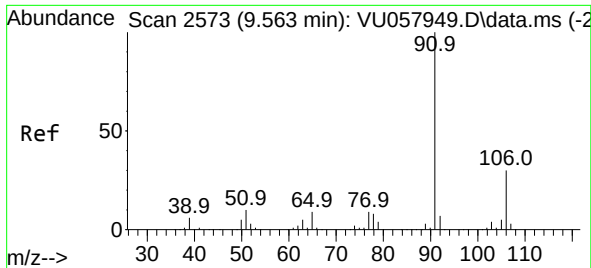
Tgt Ion:107 Resp: 110698
Ion Ratio Lower Upper
107 100
109 94.2 66.1 122.8
188 3.0 2.6 3.8



#51
Chlorobenzene
Concen: 46.824 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

Tgt Ion:112 Resp: 271773
Ion Ratio Lower Upper
112 100
114 31.7 22.7 42.1
77 64.3 51.8 77.8

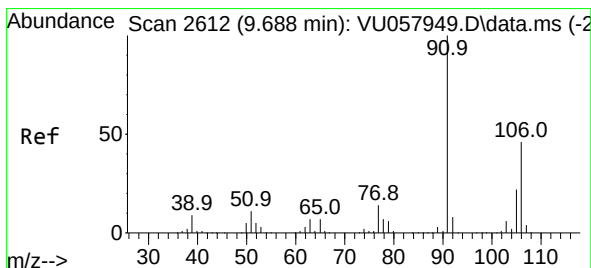
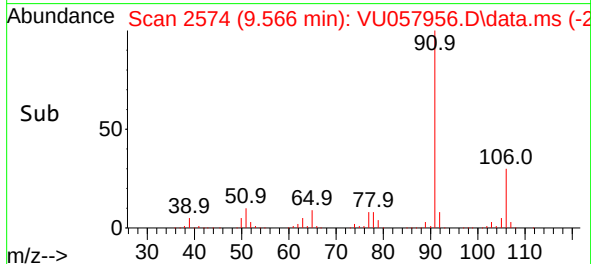
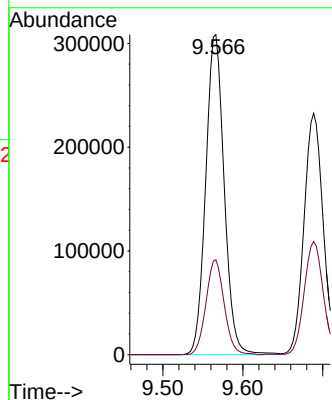
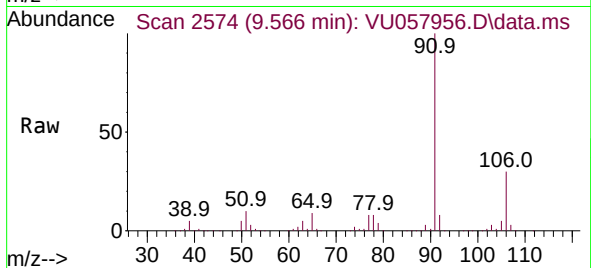




#52
Ethylbenzene
Concen: 48.531 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

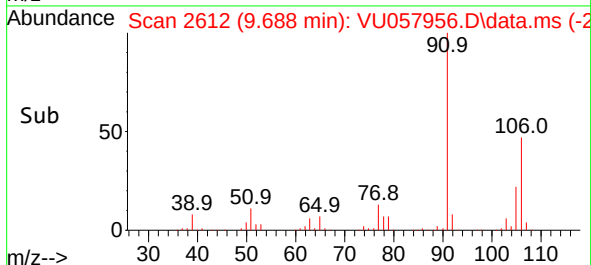
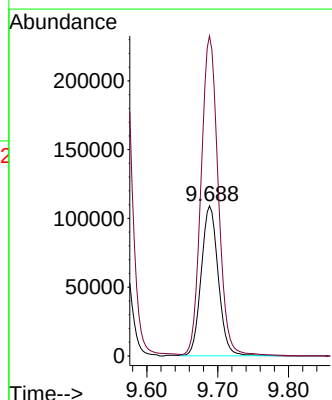
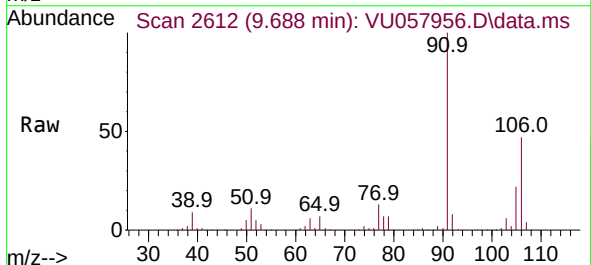
Instrument :
MSVOA_U
ClientSampleId :

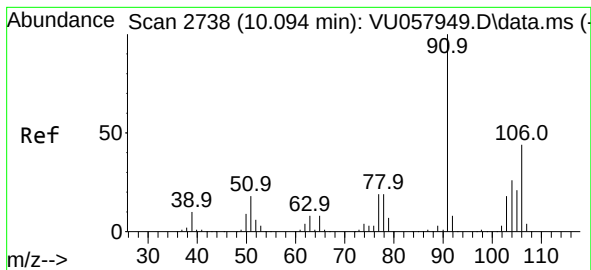
Tgt Ion: 91 Resp: 496700
Ion Ratio Lower Upper
91 100
106 29.7 21.1 39.1



#53
m,p-Xylene
Concen: 48.908 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

Tgt Ion:106 Resp: 182039
Ion Ratio Lower Upper
106 100
91 213.1 150.2 279.0





#54

o-Xylene

Concen: 48.329 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

Instrument :

MSVOA_U

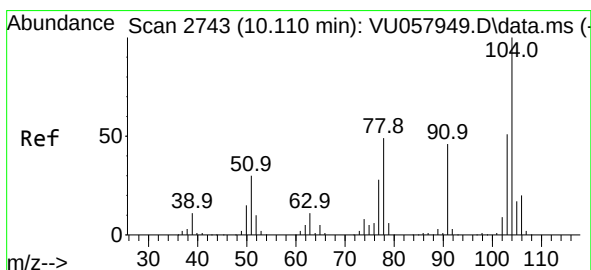
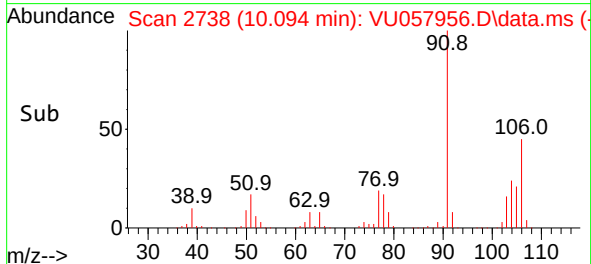
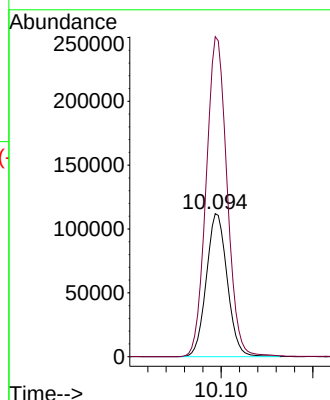
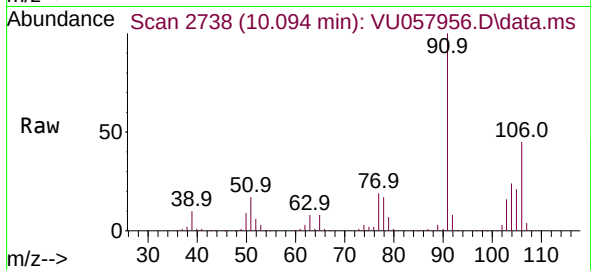
ClientSampleId :

Tgt Ion:106 Resp: 177732

Ion Ratio Lower Upper

106 100

91 223.7 161.3 299.5



#55

Styrene

Concen: 47.413 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU057956.D

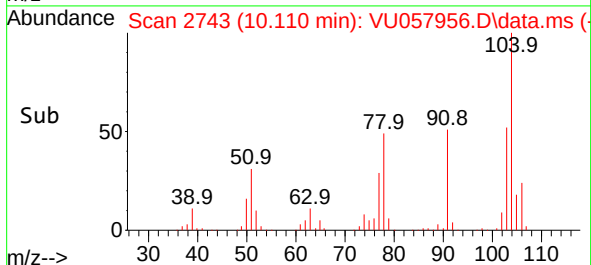
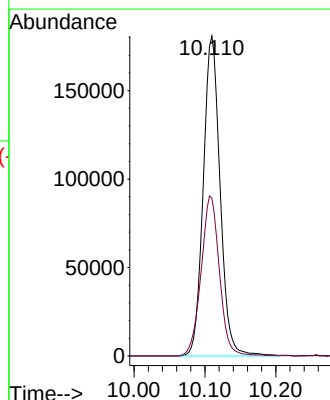
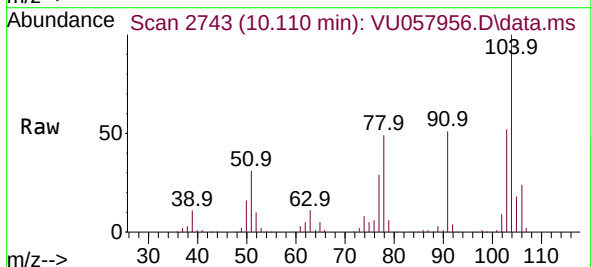
Acq: 28 Feb 2024 09:28

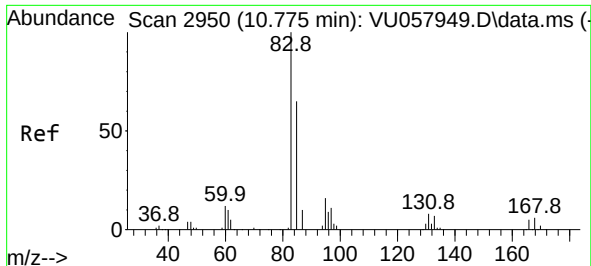
Tgt Ion:104 Resp: 298999

Ion Ratio Lower Upper

104 100

78 49.3 35.6 66.2

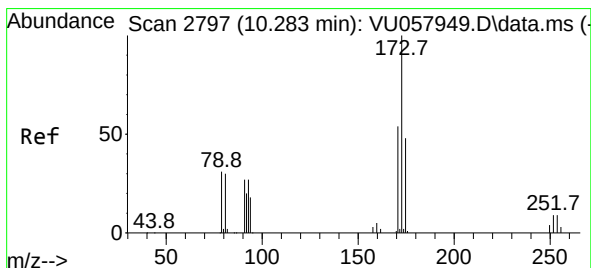
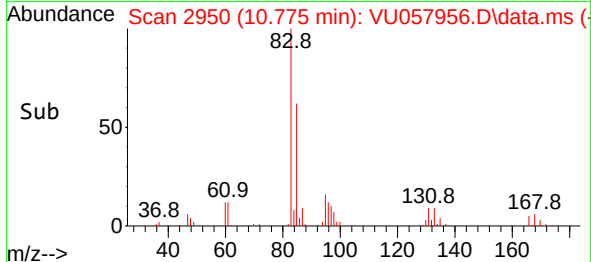
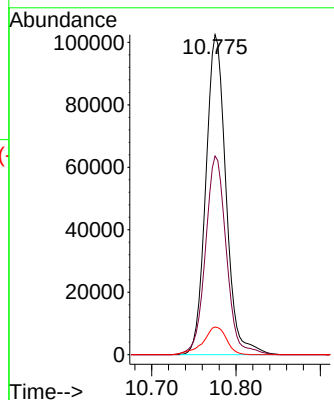
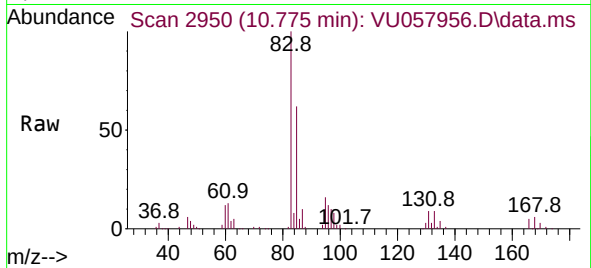




#57
1,1,2,2-Tetrachloroethane
Concen: 45.277 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

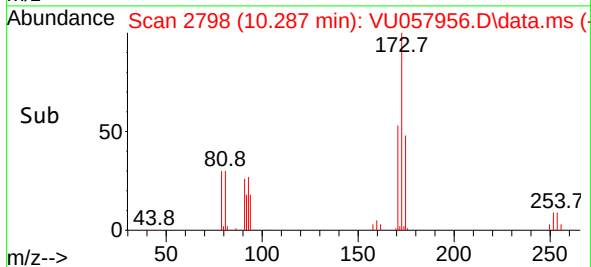
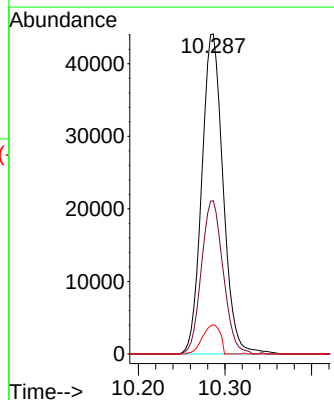
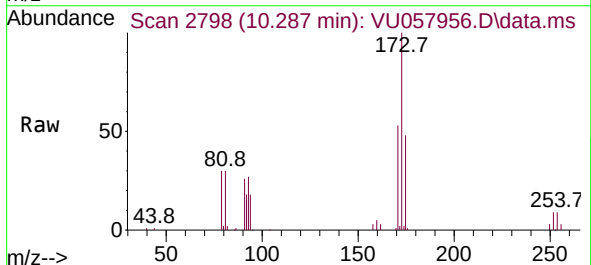
Instrument :
MSVOA_U
ClientSampleId :

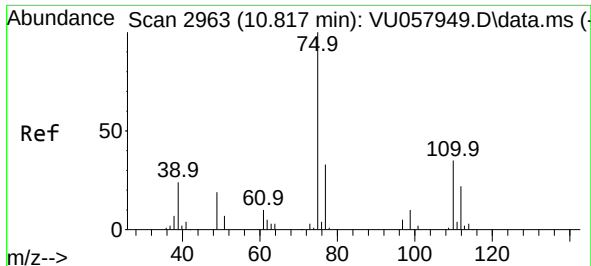
Tgt Ion: 83 Resp: 170549
Ion Ratio Lower Upper
83 100
85 62.1 45.2 84.0
131 8.6 7.8 11.6



#59
Bromoform
Concen: 49.954 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.003 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

Tgt Ion:173 Resp: 75477
Ion Ratio Lower Upper
173 100
175 48.8 38.8 58.2
254 7.5 1.0 1.6#

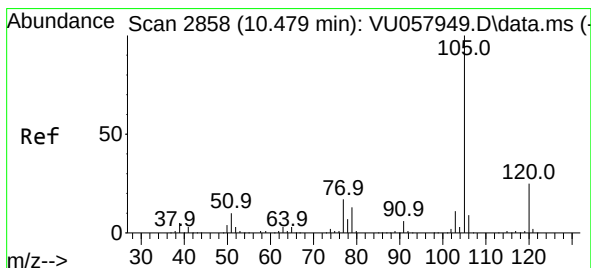
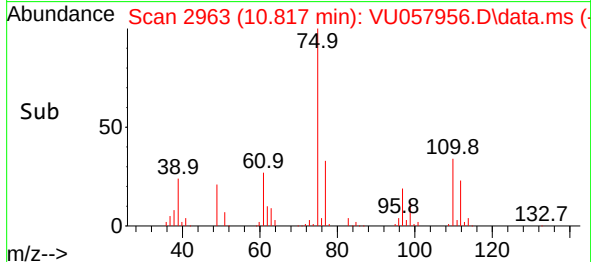
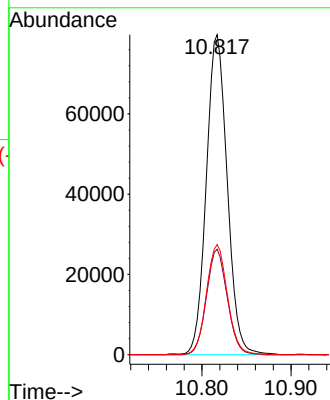
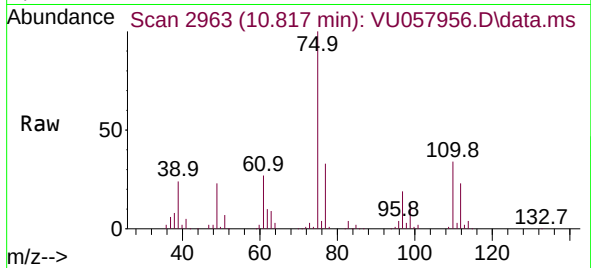




#60
1,2,3-Trichloropropane
Concen: 45.583 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

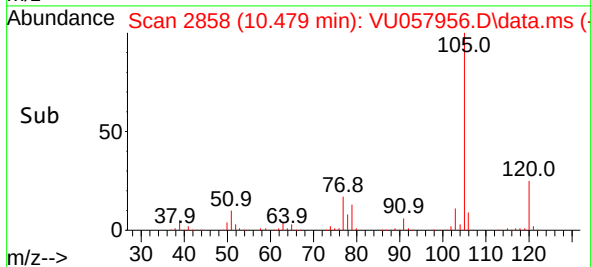
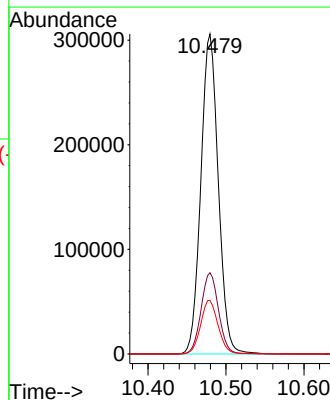
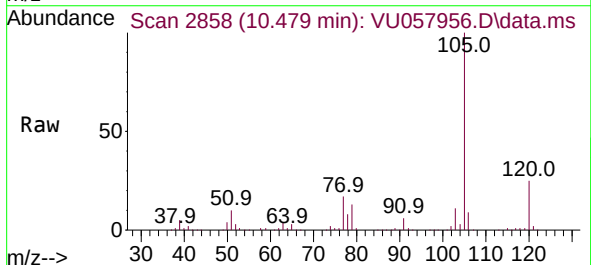
Instrument :
MSVOA_U
ClientSampleId :

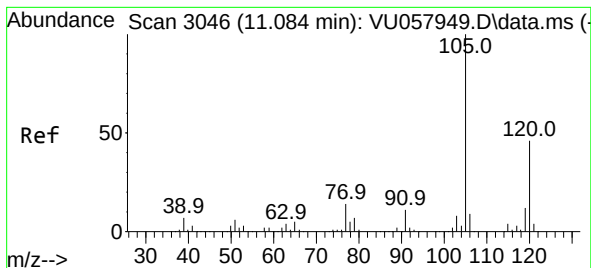
Tgt Ion: 75 Resp: 129986
Ion Ratio Lower Upper
75 100
77 32.7 25.9 38.9
110 34.6 28.3 42.5



#61
Isopropylbenzene
Concen: 49.407 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU057956.D
Acq: 28 Feb 2024 09:28

Tgt Ion: 105 Resp: 475247
Ion Ratio Lower Upper
105 100
120 25.4 20.5 30.7
77 16.8 13.5 20.3





#62

1,3,5-Trimethylbenzene

Concen: 47.247 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

Instrument :

MSVOA_U

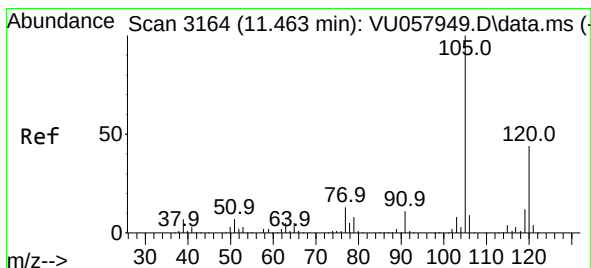
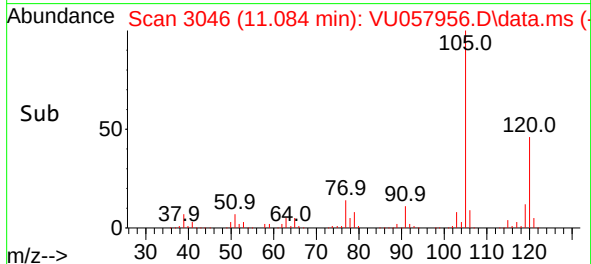
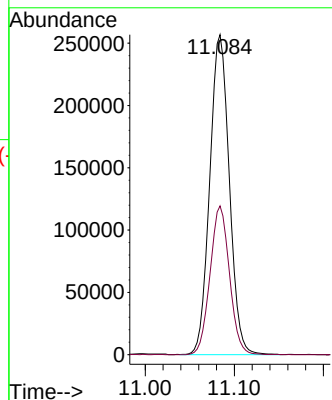
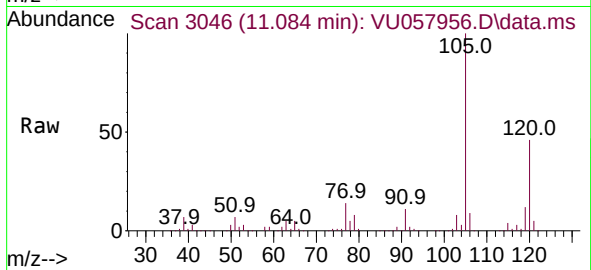
ClientSampleId :

Tgt Ion:105 Resp: 391551

Ion Ratio Lower Upper

105 100

120 46.1 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 46.727 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU057956.D

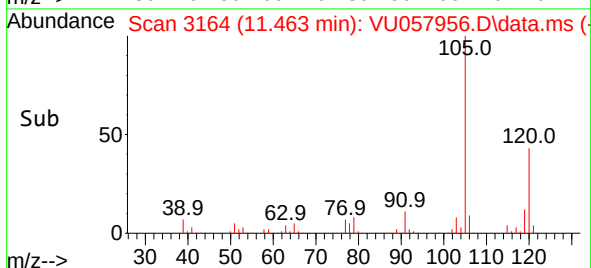
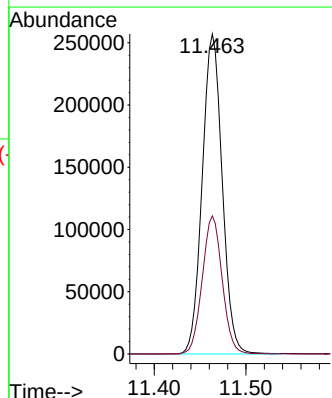
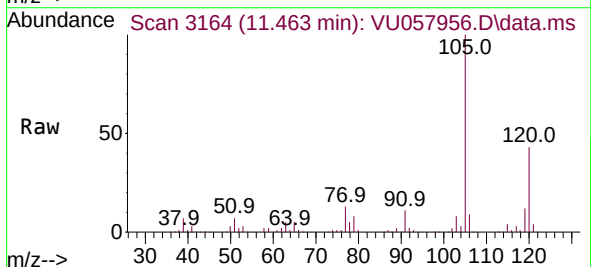
Acq: 28 Feb 2024 09:28

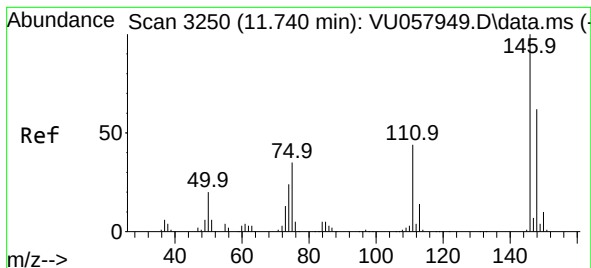
Tgt Ion:105 Resp: 389108

Ion Ratio Lower Upper

105 100

120 43.0 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 47.224 ug/L

RT: 11.740 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

Instrument :

MSVOA_U

ClientSampleId :

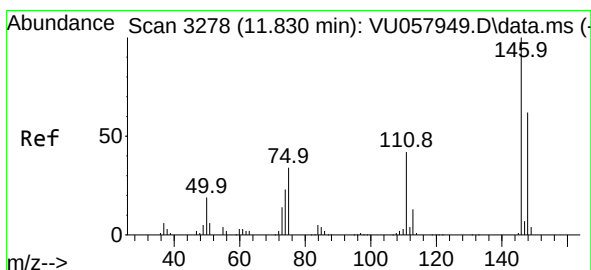
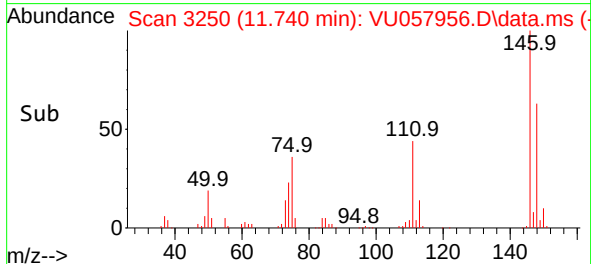
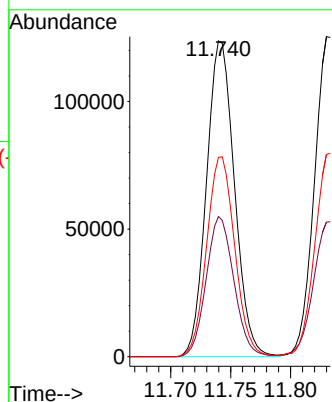
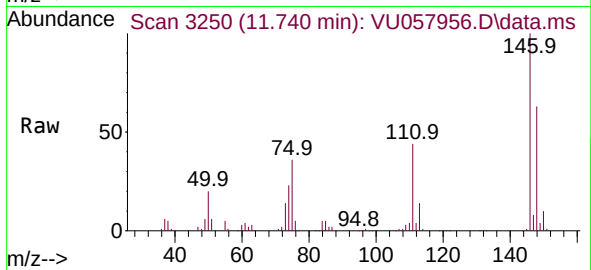
Tgt Ion:146 Resp: 200847

Ion Ratio Lower Upper

146 100

111 44.4 31.6 58.6

148 63.1 45.1 83.9



#65

1,4-Dichlorobenzene

Concen: 47.072 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

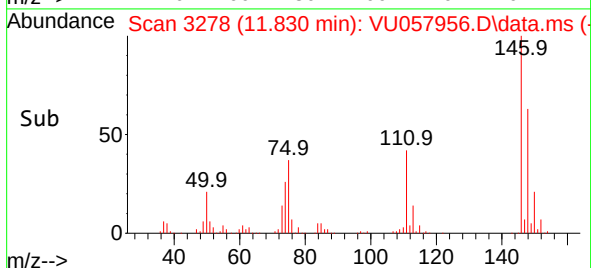
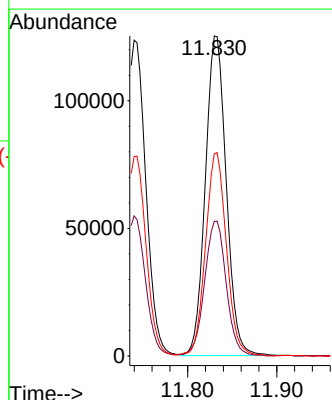
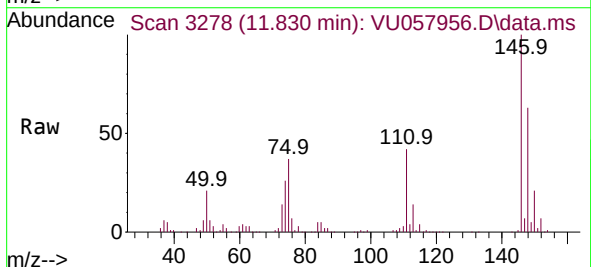
Tgt Ion:146 Resp: 203947

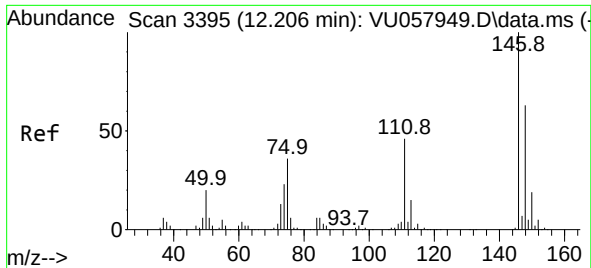
Ion Ratio Lower Upper

146 100

111 42.0 29.9 55.5

148 63.2 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 45.899 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

Instrument :

MSVOA_U

ClientSampleId :

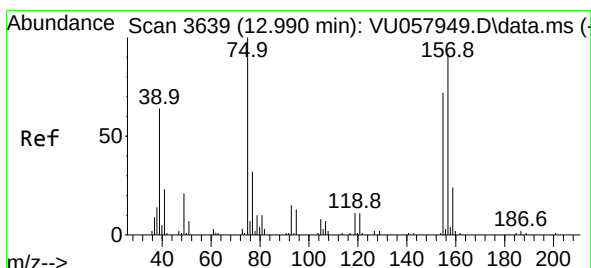
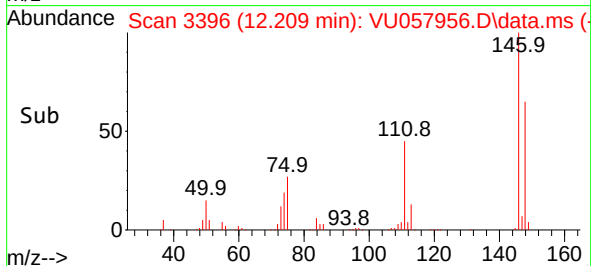
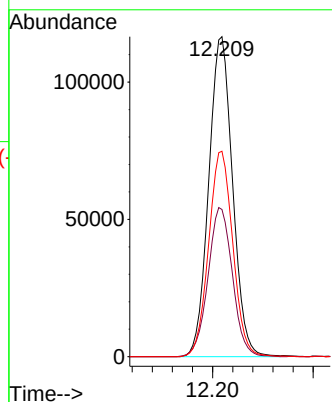
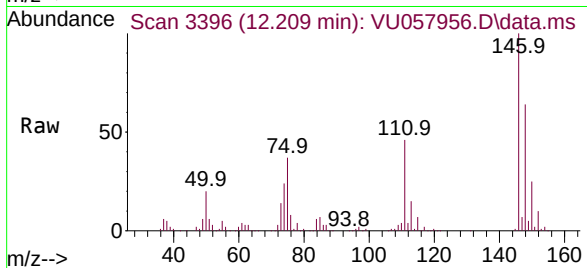
Tgt Ion:146 Resp: 192052

Ion Ratio Lower Upper

146 100

111 46.0 37.3 55.9

148 64.2 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 48.147 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

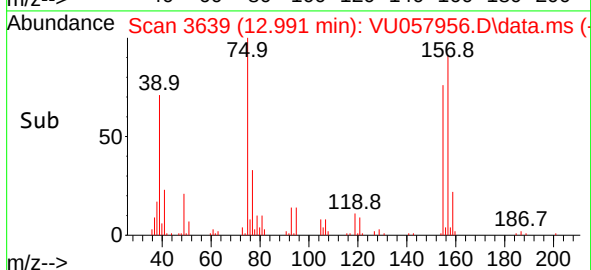
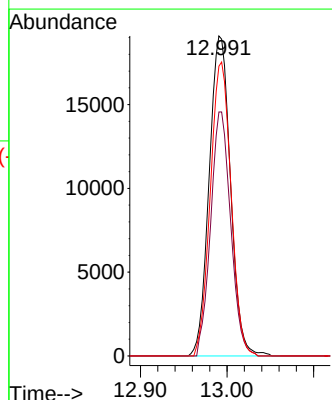
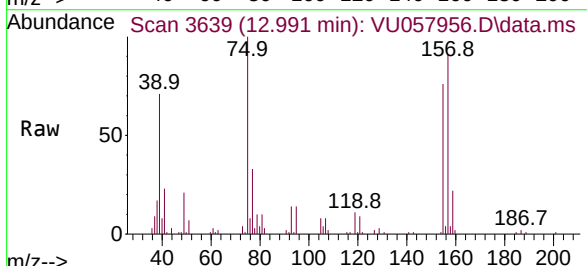
Tgt Ion: 75 Resp: 32598

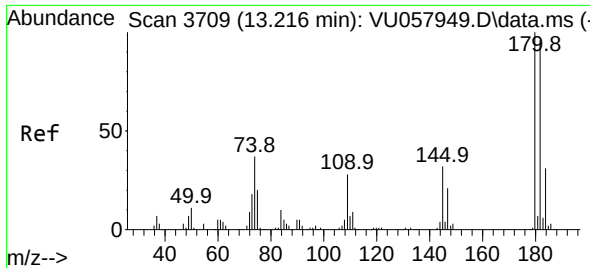
Ion Ratio Lower Upper

75 100

155 79.9 63.2 94.8

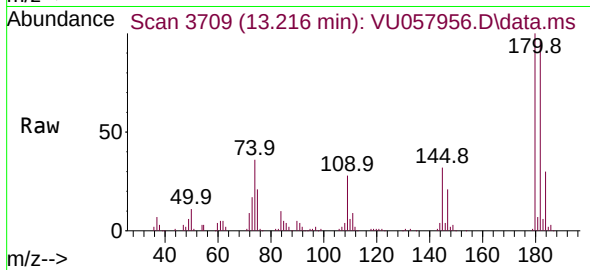
157 94.9 74.6 112.0



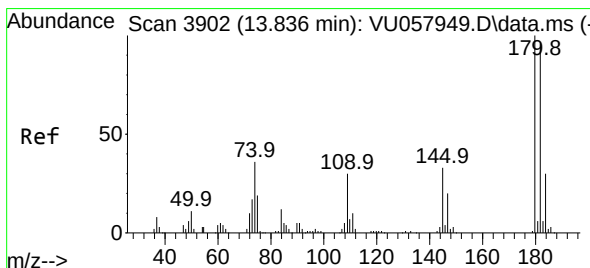
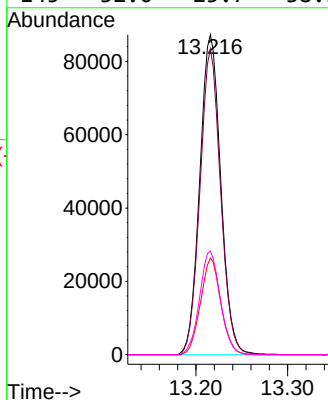
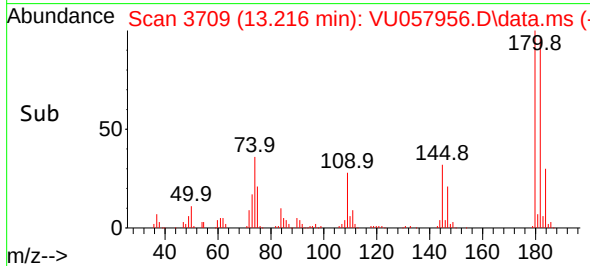


#69
 1,3,5-Trichlorobenzene
 Concen: 48.450 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU057956.D
 Acq: 28 Feb 2024 09:28

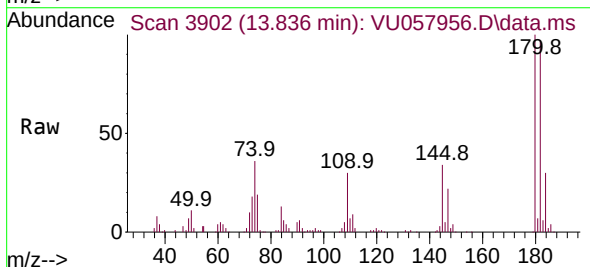
Instrument :
 MSVOA_U
 ClientSampleId :



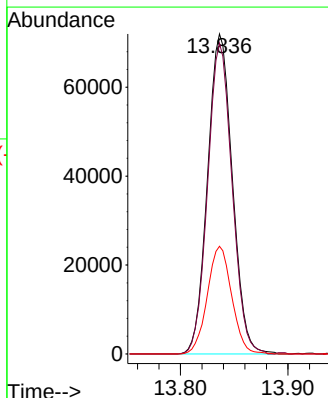
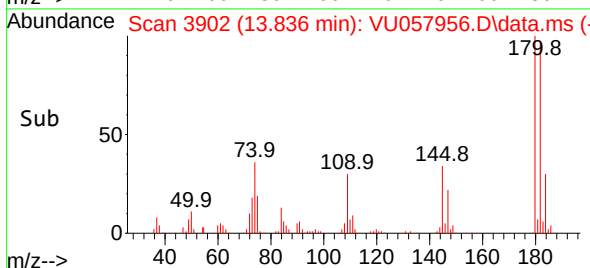
Tgt Ion:180 Resp: 138595
 Ion Ratio Lower Upper
 180 100
 182 93.5 77.6 116.4
 184 29.3 24.1 36.1
 145 32.0 25.7 38.5

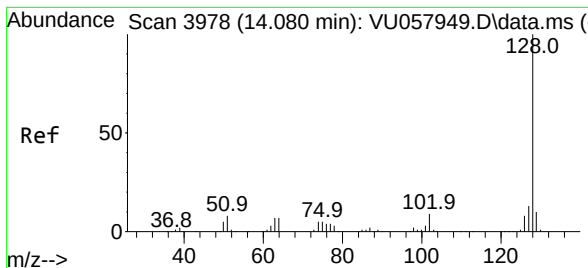


#70
 1,2,4-trichlorobenzene
 Concen: 50.171 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU057956.D
 Acq: 28 Feb 2024 09:28



Tgt Ion:180 Resp: 115551
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.8 113.6
 145 33.0 25.9 38.9





#71

Naphthalene

Concen: 47.202 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

Instrument :

MSVOA_U

ClientSampleId :

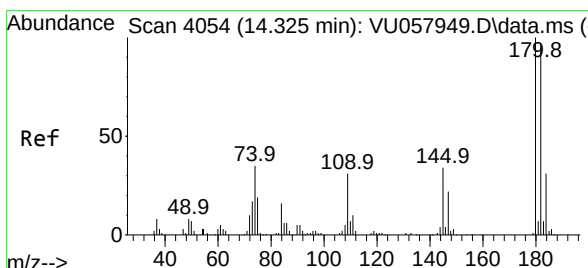
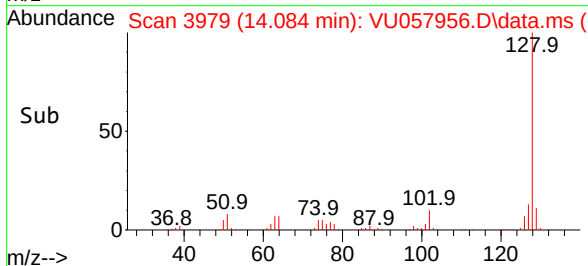
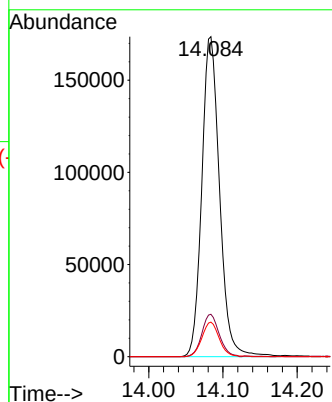
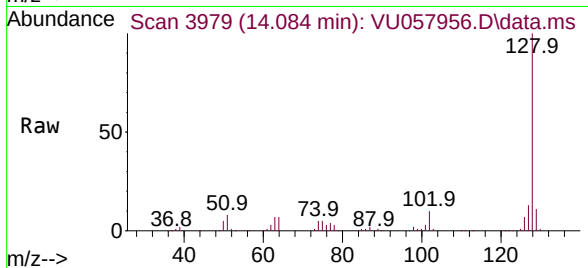
Tgt Ion:128 Resp: 288695

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.6 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 49.447 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU057956.D

Acq: 28 Feb 2024 09:28

Tgt Ion:180 Resp: 104602

Ion Ratio Lower Upper

180 100

182 94.8 75.4 113.2

145 34.6 27.8 41.8

