

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022224\
 Data File : VU057919.D
 Acq On : 22 Feb 2024 09:50
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 22 23:59:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 21 23:55:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	278159	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	265664	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	131536	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	81650	40.545	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.100%
7) Chloroethane-d5	1.907	69	64929	43.622	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.240%
11) 1,1-Dichloroethene-d2	2.563	63	164115	43.729	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.460%
21) 2-Butanone-d5	4.608	46	89861	117.443	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.440%
24) Chloroform-d	5.052	84	156402	45.802	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	5.692	65	99714	46.582	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.160%
32) Benzene-d6	5.717	84	304266	45.701	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.400%
36) 1,2-Dichloropropane-d6	6.682	67	98213	45.685	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.380%
41) Toluene-d8	7.891	98	273371	45.360	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.720%
43) trans-1,3-Dichloroprop...	8.171	79	49107	47.968	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.940%
47) 2-Hexanone-d5	8.624	63	65741	79.546	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.550%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	127672	43.039	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.080%
66) 1,2-Dichlorobenzene-d4	12.187	152	95462	44.821	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	135849	44.550	ug/L	98
3) Chloromethane	1.518	50	128389	41.409	ug/L	97
5) Vinyl chloride	1.602	62	130196	42.524	ug/L	99
6) Bromomethane	1.853	94	74584	62.391	ug/L	99
8) Chloroethane	1.930	64	79160	44.209	ug/L	99
9) Trichlorofluoromethane	2.136	101	165380	44.143	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	101488	46.610	ug/L	100
12) 1,1-Dichloroethene	2.576	96	91367	45.366	ug/L	94
13) Acetone	2.608	43	141522	99.896	ug/L	100
14) Carbon disulfide	2.788	76	300496	45.592	ug/L	99
15) Methyl Acetate	2.936	43	97554	42.297	ug/L	99
16) Methylene chloride	3.036	84	106388	40.529	ug/L	98
17) trans-1,2-Dichloroethene	3.345	96	95189	45.557	ug/L	97
18) Methyl tert-butyl Ether	3.348	73	331810	45.613	ug/L	99
19) 1,1-Dichloroethane	3.859	63	195919	45.226	ug/L	97
20) cis-1,2-Dichloroethene	4.656	96	107259	44.748	ug/L	100
22) 2-Butanone	4.685	43	160683	93.617	ug/L	99
23) Bromochloromethane	4.965	128	52074	44.714	ug/L	98
25) Chloroform	5.078	83	194170	45.396	ug/L	100

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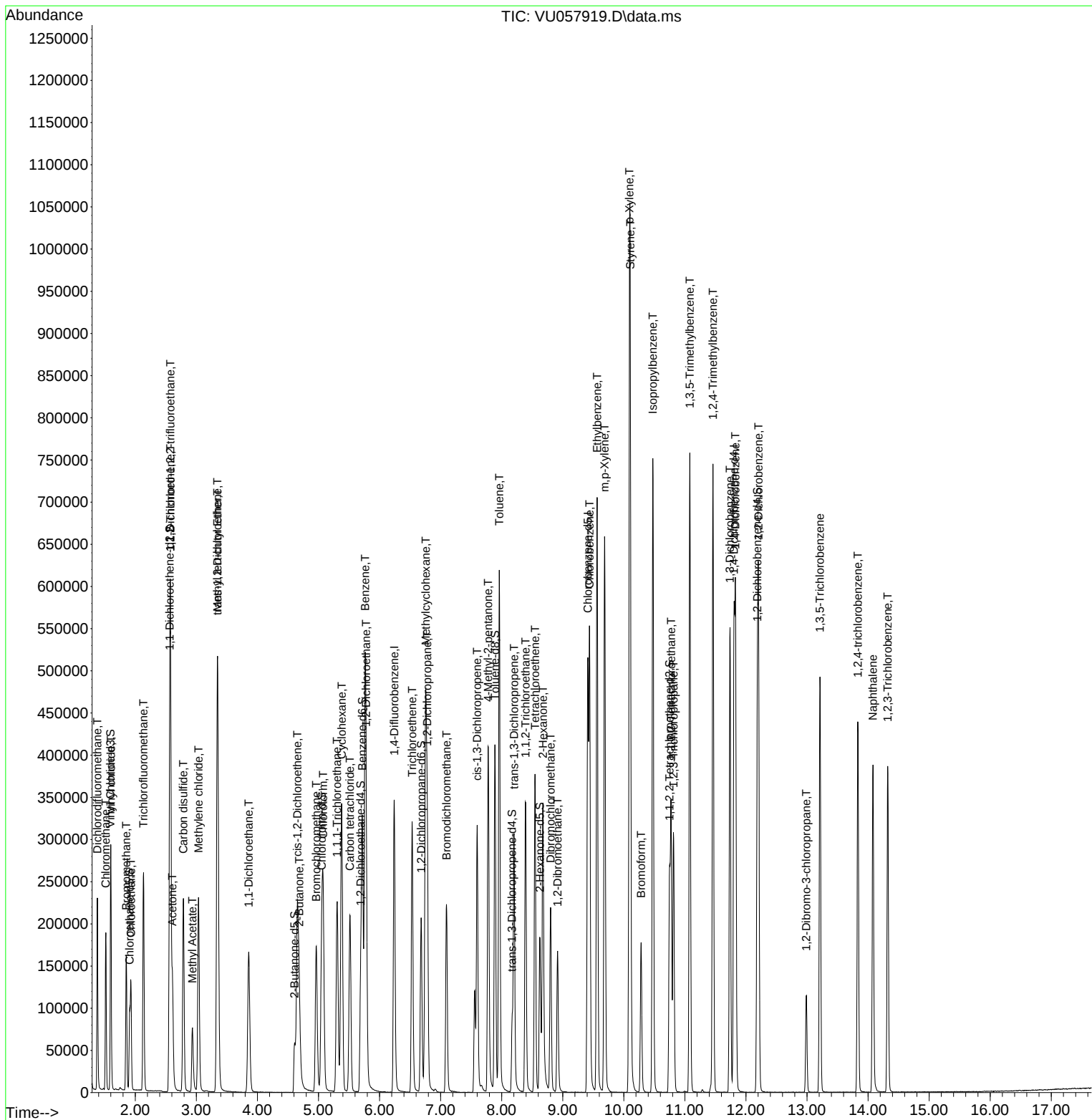
Instrument :
 MSVOA_U
 ClientSampleId :

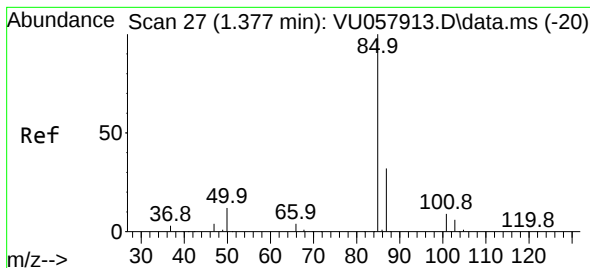
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	159710	44.876	ug/L	99
29) Cyclohexane	5.380	56	180692	46.214	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	165304	46.174	ug/L	99
31) Carbon tetrachloride	5.515	117	145340	47.275	ug/L	100
33) Benzene	5.766	78	421006	45.436	ug/L	100
34) Trichloroethene	6.534	95	112458	47.215	ug/L	99
35) Methylcyclohexane	6.756	83	182143	47.068	ug/L	99
37) 1,2-Dichloropropane	6.782	63	120289	46.007	ug/L	100
38) Bromodichloromethane	7.097	83	149681	47.674	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	189359	47.392	ug/L	100
40) 4-Methyl-2-pentanone	7.778	43	279769	85.006	ug/L	100
42) Toluene	7.962	91	445522	46.459	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	178562	48.157	ug/L	99
45) 1,1,2-Trichloroethane	8.389	97	105120	45.249	ug/L	99
46) Tetrachloroethene	8.547	164	79488	48.493	ug/L	95
48) 2-Hexanone	8.675	43	234778	87.398	ug/L	100
49) Dibromochloromethane	8.801	129	110411	47.723	ug/L	100
50) 1,2-Dibromoethane	8.917	107	111378	45.534	ug/L	99
51) Chlorobenzene	9.441	112	277847	45.564	ug/L	98
52) Ethylbenzene	9.563	91	501151	46.607	ug/L	100
53) m,p-Xylene	9.685	106	186391	47.664	ug/L	99
54) o-Xylene	10.093	106	180171	46.631	ug/L	96
55) Styrene	10.106	104	308502	46.562	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	167578	42.344	ug/L	98
59) Bromoform	10.283	173	76224	47.207	ug/L #	99
60) 1,2,3-Trichloropropane	10.814	75	131186	43.048	ug/L	99
61) Isopropylbenzene	10.476	105	484244	47.108	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	412644	46.593	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	409208	45.983	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	209655	46.128	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	212531	45.902	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	203385	45.485	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	31118	43.008	ug/L	97
69) 1,3,5-Trichlorobenzene	13.212	180	144942	47.414	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	122624	49.821	ug/L	99
71) Naphthalene	14.080	128	303182	46.386	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	108026	47.784	ug/L	98

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

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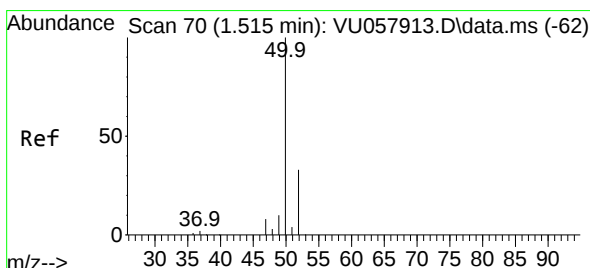
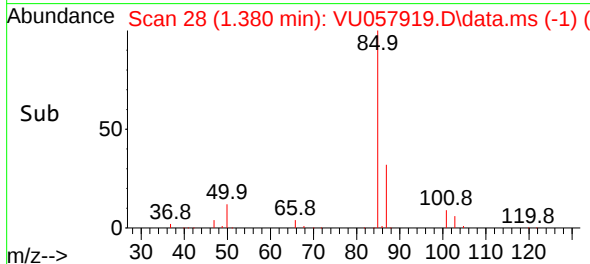
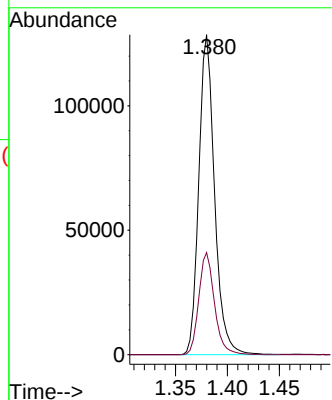
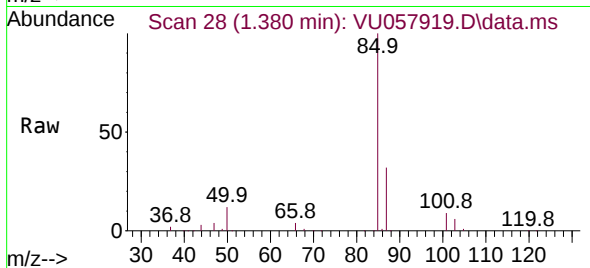




#2
 Dichlorodifluoromethane
 Concen: 44.550 ug/L
 RT: 1.380 min Scan# 27
 Delta R.T. 0.003 min
 Lab File: VU057919.D
 Acq: 22 Feb 2024 09:50

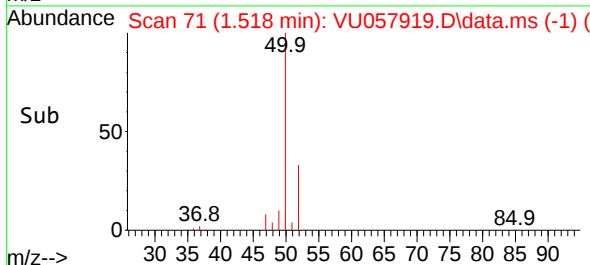
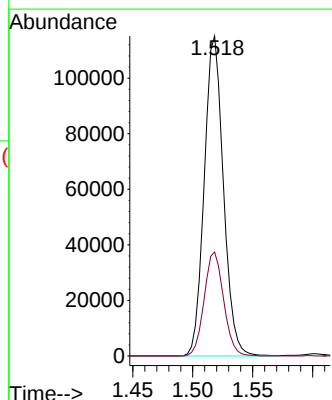
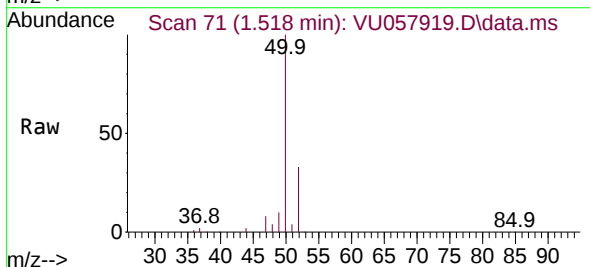
Instrument :
 MSVOA_U
 ClientSampleId :

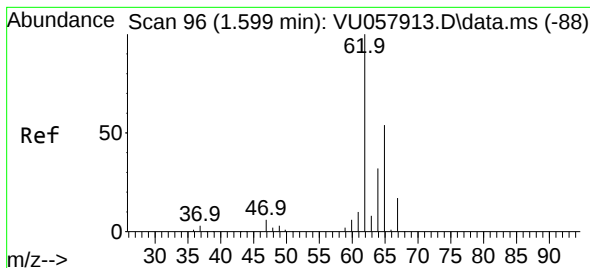
Tgt Ion: 85 Resp: 135849
 Ion Ratio Lower Upper
 85 100
 87 31.7 26.2 39.2



#3
 Chloromethane
 Concen: 41.409 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU057919.D
 Acq: 22 Feb 2024 09:50

Tgt Ion: 50 Resp: 128389
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.8 44.2





#5

Vinyl chloride

Concen: 42.524 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

Instrument :

MSVOA_U

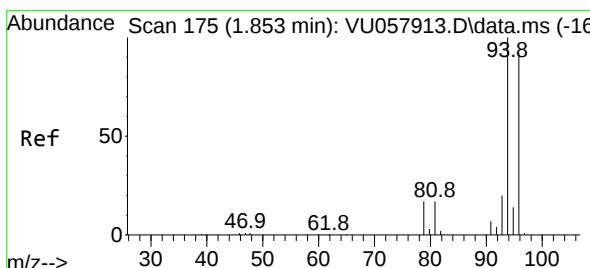
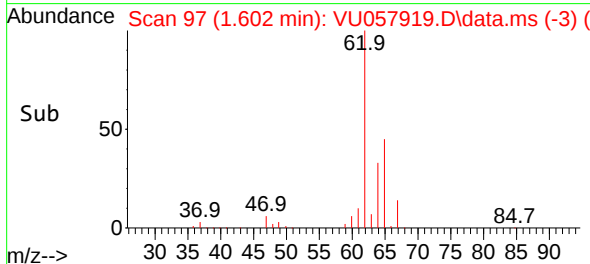
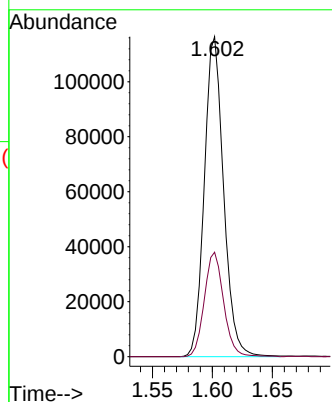
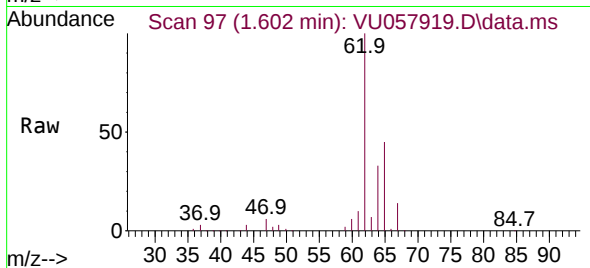
ClientSampleId :

Tgt Ion: 62 Resp: 130196

Ion Ratio Lower Upper

62 100

64 32.6 23.1 42.9



#6

Bromomethane

Concen: 62.391 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.000 min

Lab File: VU057919.D

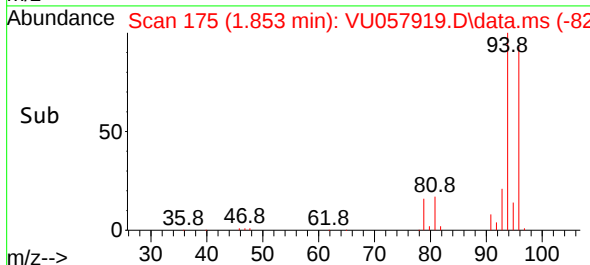
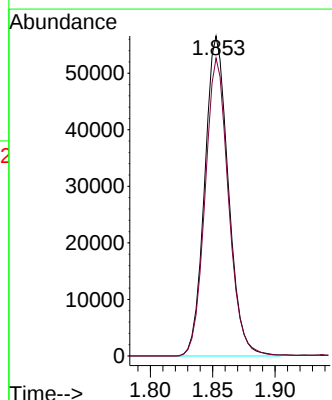
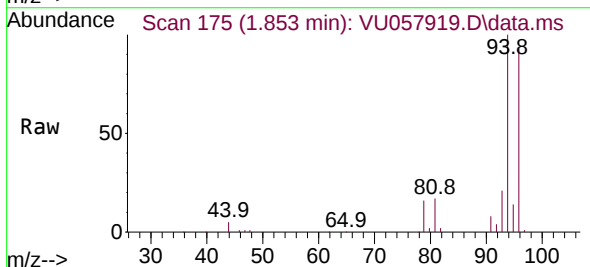
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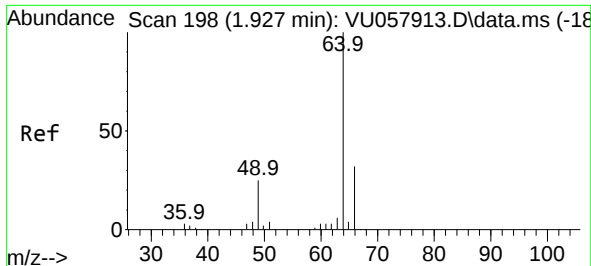
Tgt Ion: 94 Resp: 74584

Ion Ratio Lower Upper

94 100

96 93.1 65.5 121.7

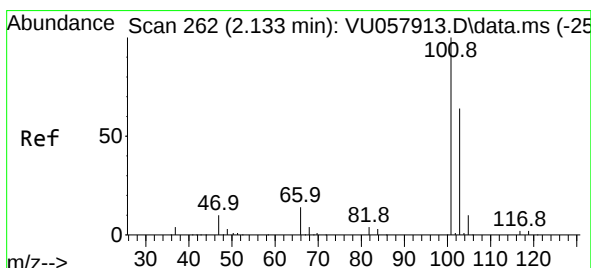
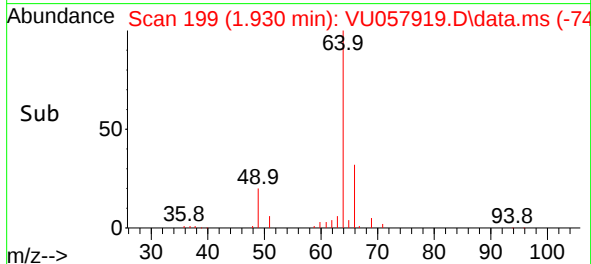
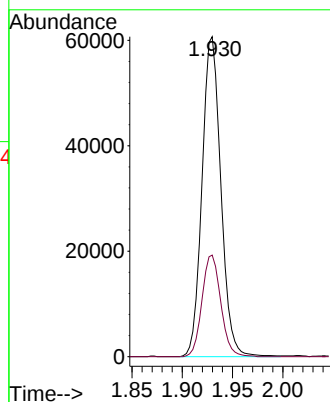
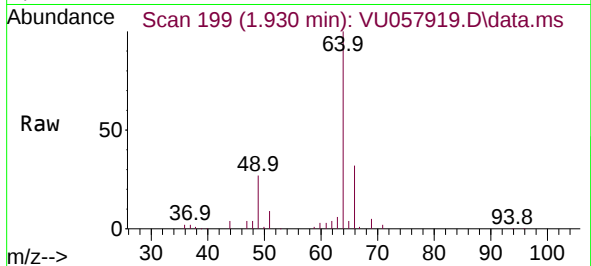




#8
Chloroethane
Concen: 44.209 ug/L
RT: 1.930 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

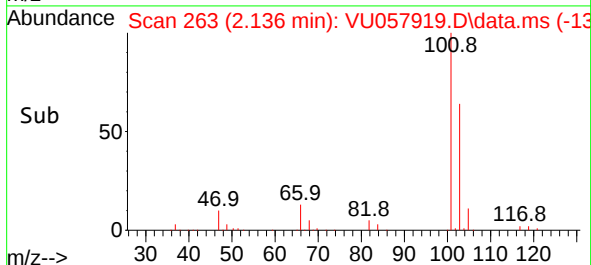
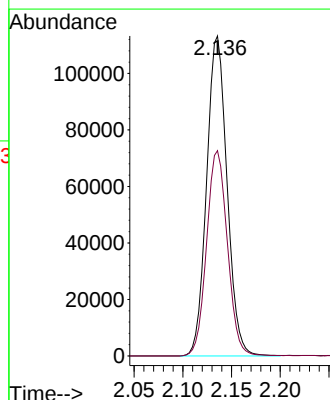
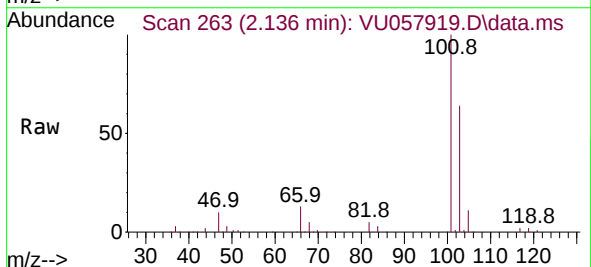
Instrument :
MSVOA_U
ClientSampleId :

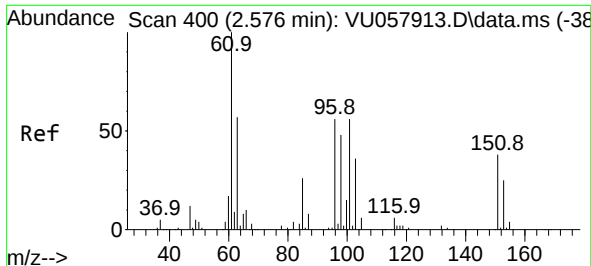
Tgt Ion: 64 Resp: 79160
Ion Ratio Lower Upper
64 100
66 32.7 22.5 41.9



#9
Trichlorofluoromethane
Concen: 44.143 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

Tgt Ion:101 Resp: 165380
Ion Ratio Lower Upper
101 100
103 65.2 51.7 77.5

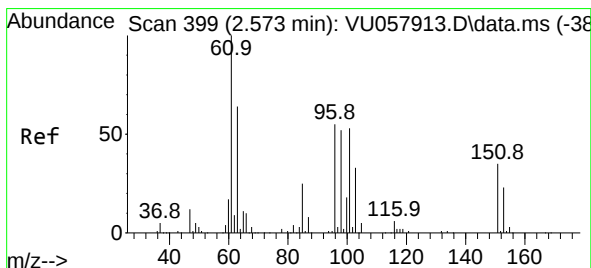
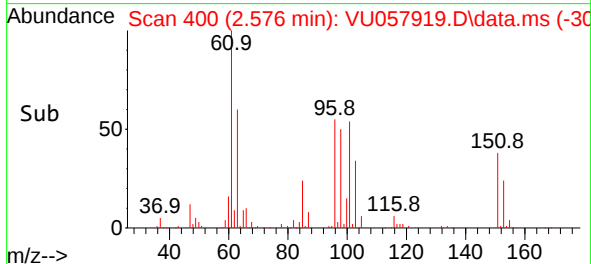
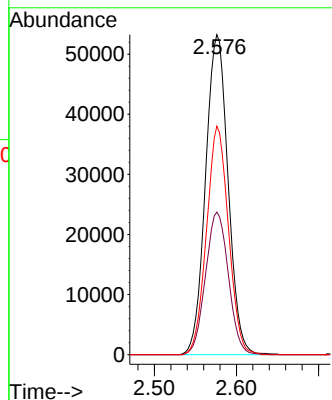
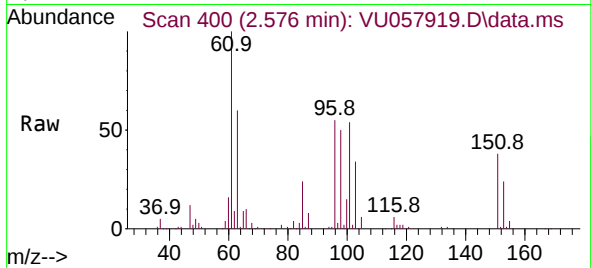




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 46.610 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

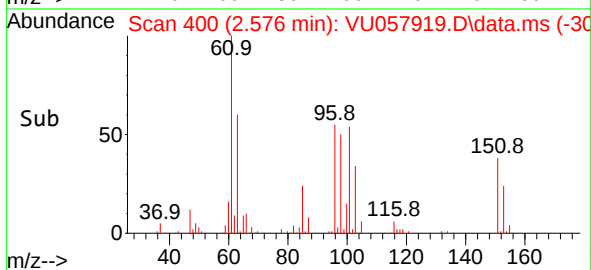
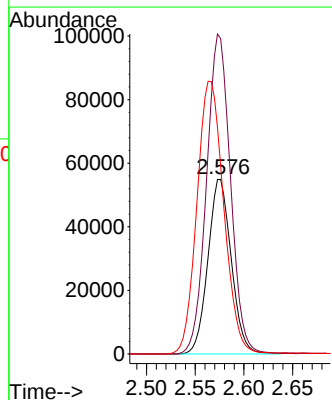
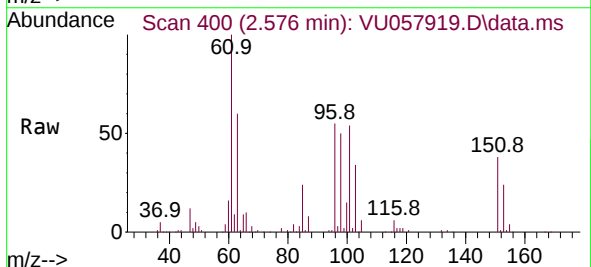
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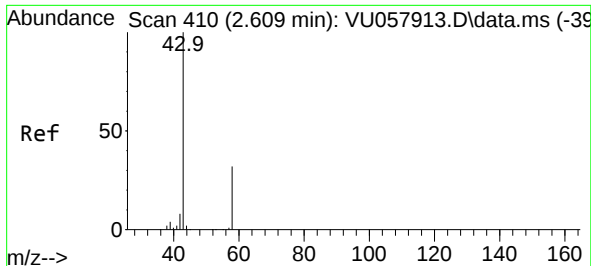
Tgt Ion:101 Resp: 101488
Ion Ratio Lower Upper
101 100
85 45.3 35.7 53.5
151 69.6 55.8 83.6



#12
1,1-Dichloroethene
Concen: 45.366 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

Tgt Ion: 96 Resp: 91367
Ion Ratio Lower Upper
96 100
61 180.5 126.8 235.6
63 107.7 86.5 160.7





#13

Acetone

Concen: 99.896 ug/L

RT: 2.608 min Scan# 410

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

Instrument :

MSVOA_U

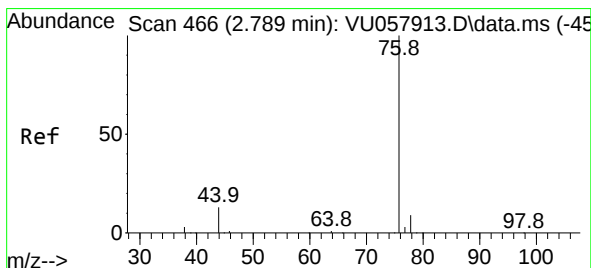
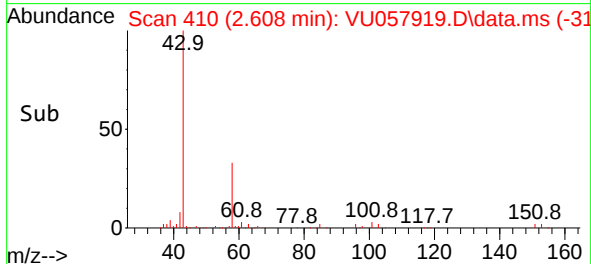
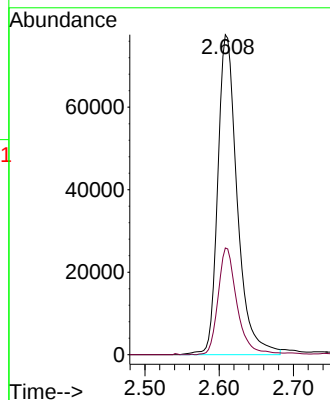
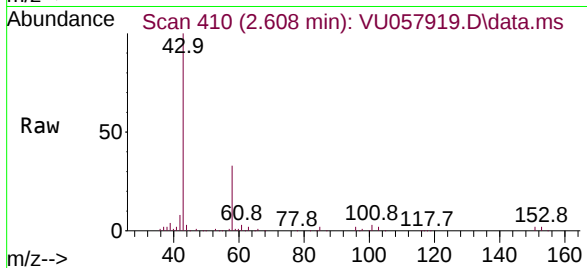
ClientSampleId :

Tgt Ion: 43 Resp: 141522

Ion Ratio Lower Upper

43 100

58 31.8 0.0 64.2



#14

Carbon disulfide

Concen: 45.592 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU057919.D

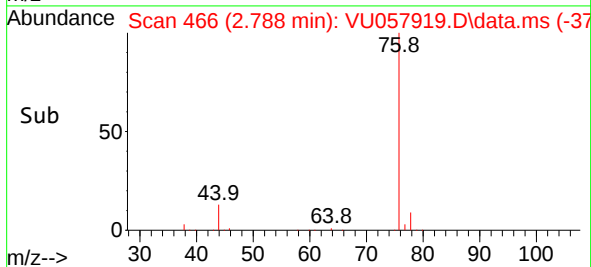
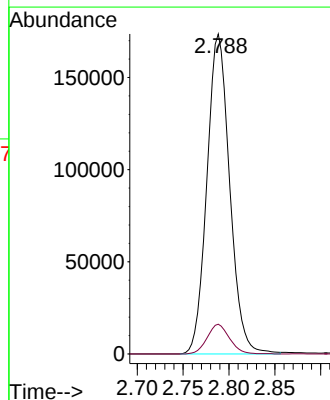
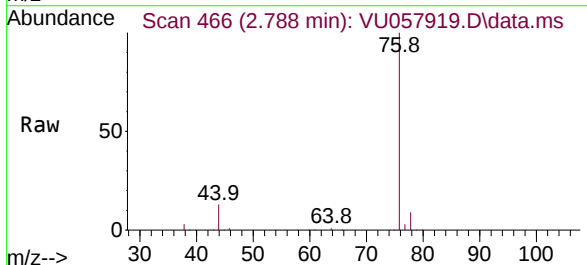
Acq: 22 Feb 2024 09:50

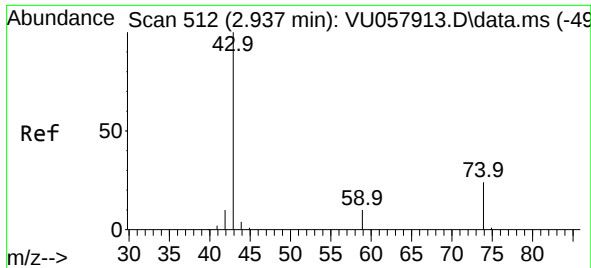
Tgt Ion: 76 Resp: 300496

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

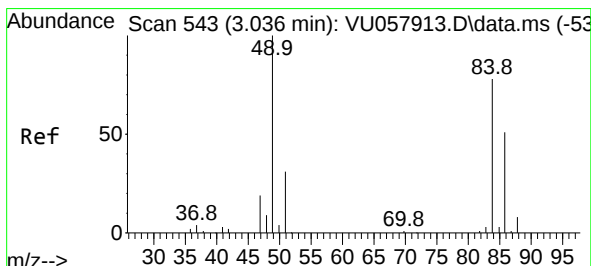
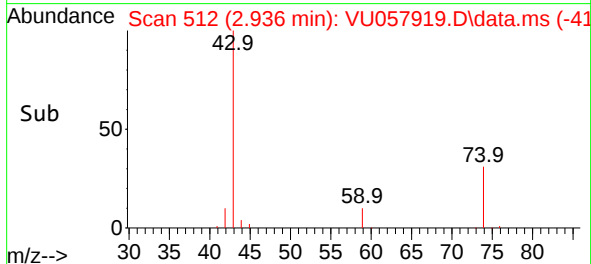
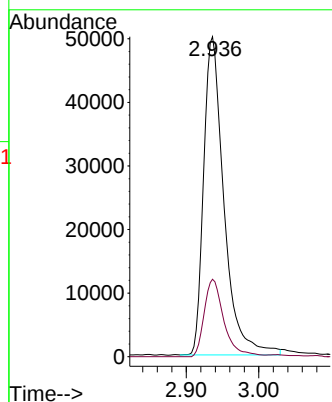
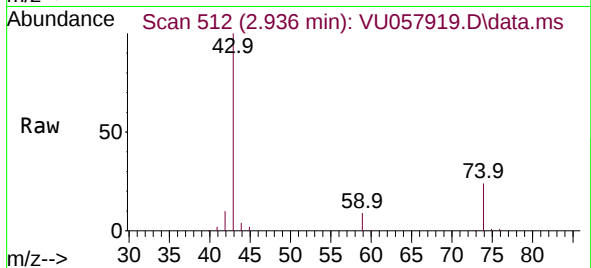




#15
Methyl Acetate
Concen: 42.297 ug/L
RT: 2.936 min Scan# 512
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

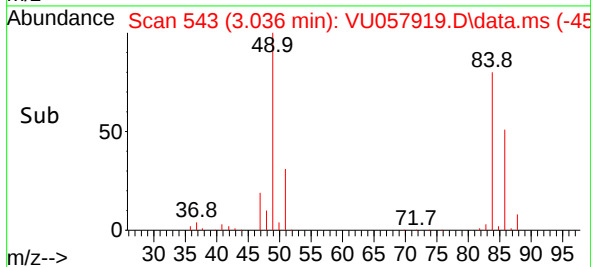
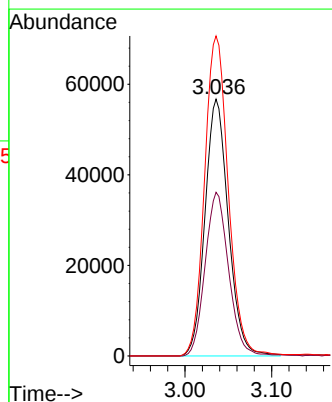
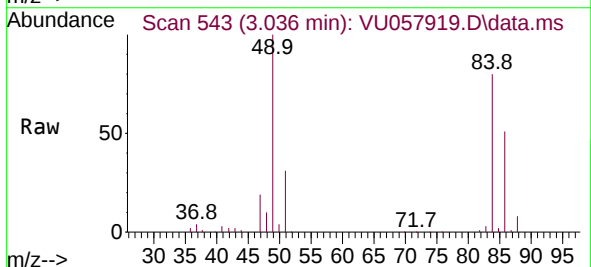
Instrument :
MSVOA_U
ClientSampleId :

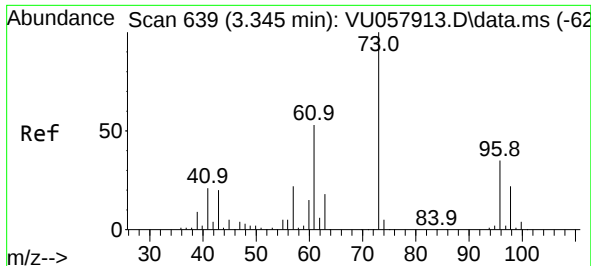
Tgt Ion: 43 Resp: 97554
Ion Ratio Lower Upper
43 100
74 23.5 18.6 27.8



#16
Methylene chloride
Concen: 40.529 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

Tgt Ion: 84 Resp: 106388
Ion Ratio Lower Upper
84 100
86 63.7 45.1 83.7
49 124.6 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 45.557 ug/L

RT: 3.345 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

Instrument :

MSVOA_U

ClientSampleId :

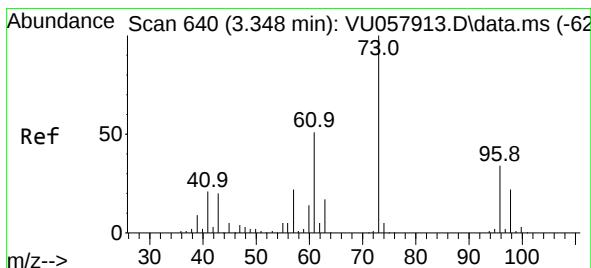
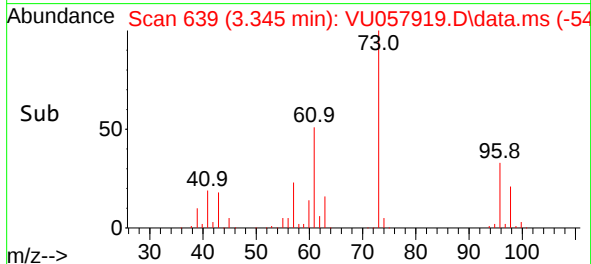
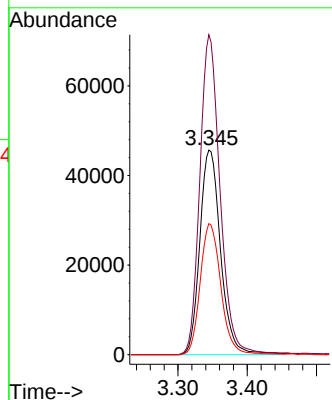
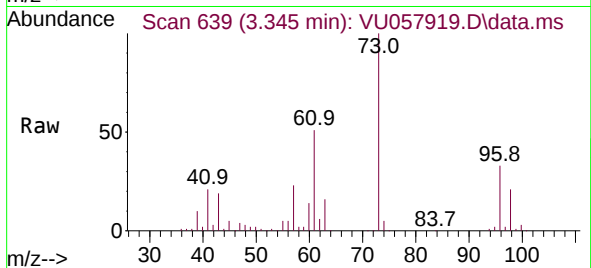
Tgt Ion: 96 Resp: 95189

Ion Ratio Lower Upper

96 100

61 156.4 106.3 197.3

98 64.1 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 45.613 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

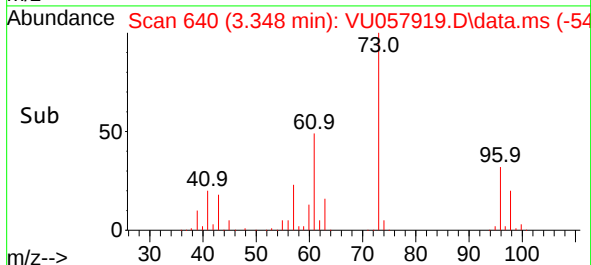
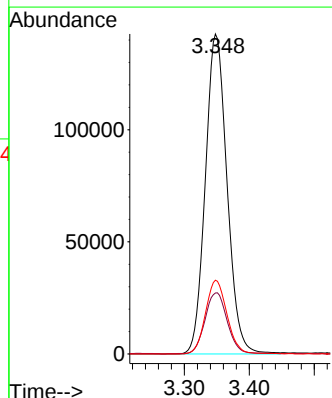
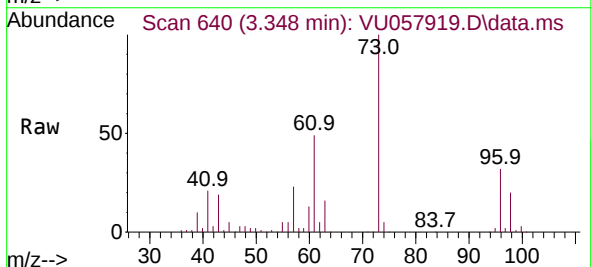
Tgt Ion: 73 Resp: 331810

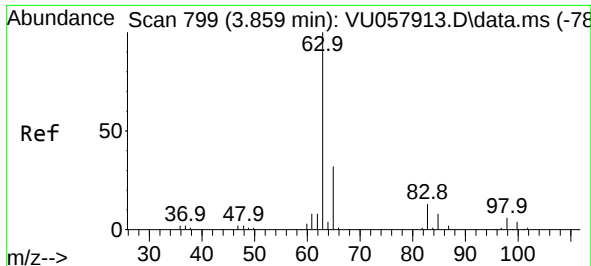
Ion Ratio Lower Upper

73 100

43 19.6 16.0 24.0

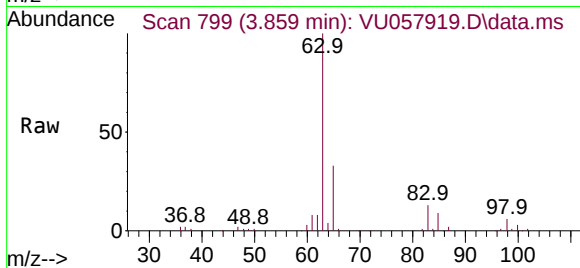
57 22.8 17.8 26.6



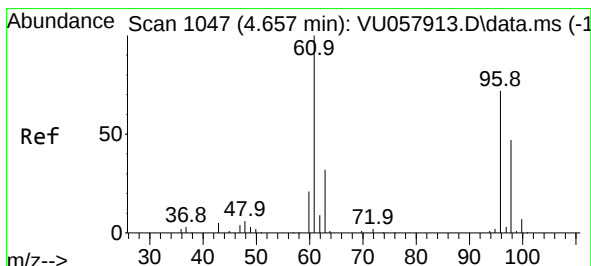
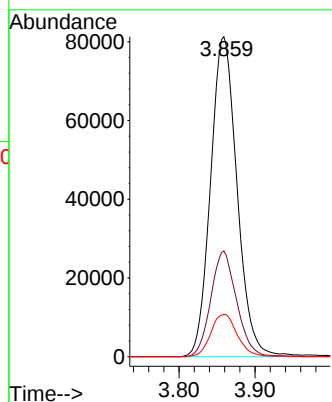
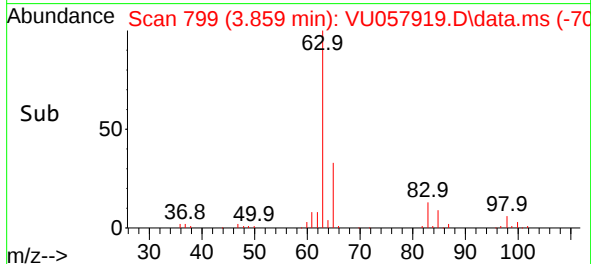


#19
1,1-Dichloroethane
Concen: 45.226 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

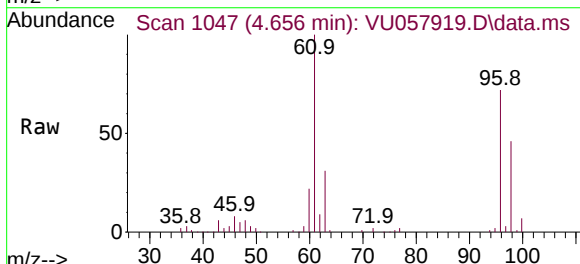
Instrument :
MSVOA_U
ClientSampleId :



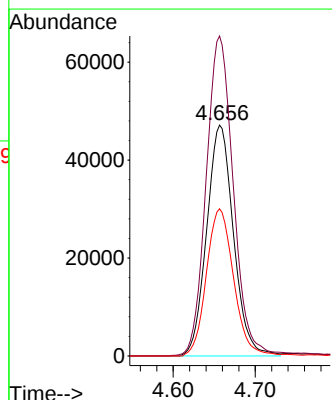
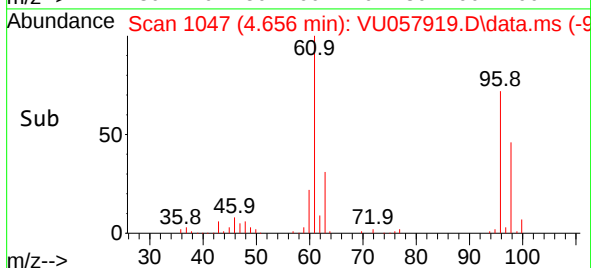
Tgt Ion: 63 Resp: 195919
Ion Ratio Lower Upper
63 100
65 33.1 21.7 40.3
83 13.2 9.4 17.4

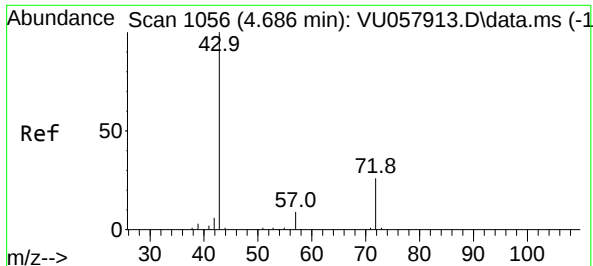


#20
cis-1,2-Dichloroethene
Concen: 44.748 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50



Tgt Ion: 96 Resp: 107259
Ion Ratio Lower Upper
96 100
61 138.6 96.7 179.7
98 63.8 44.3 82.3





#22

2-Butanone

Concen: 93.617 ug/L

RT: 4.685 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

Instrument :

MSVOA_U

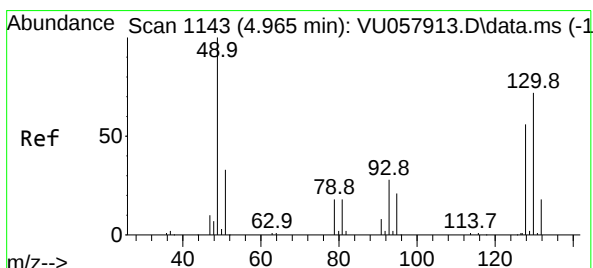
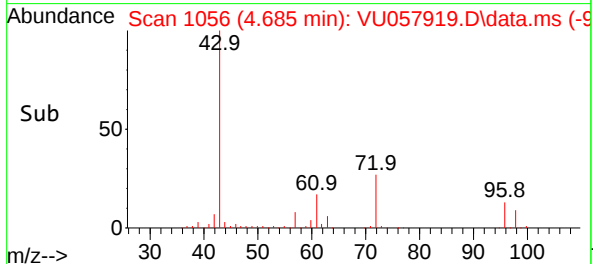
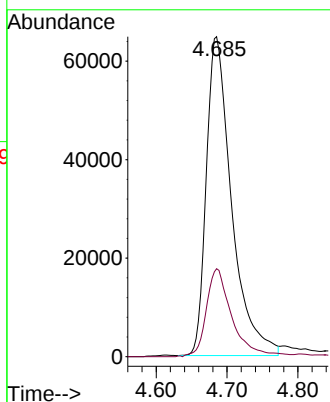
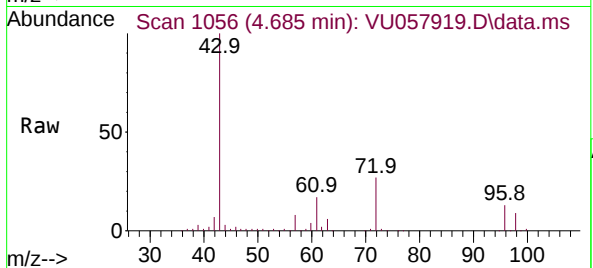
ClientSampleId :

Tgt Ion: 43 Resp: 160683

Ion Ratio Lower Upper

43 100

72 27.2 13.8 41.3



#23

Bromochloromethane

Concen: 44.714 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

Tgt Ion:128 Resp: 52074

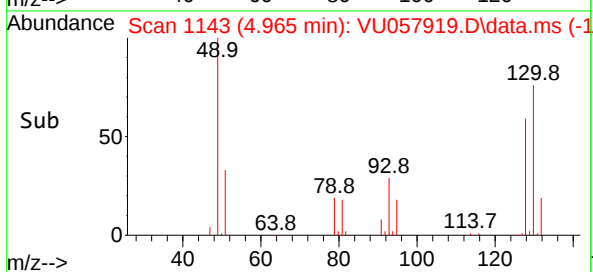
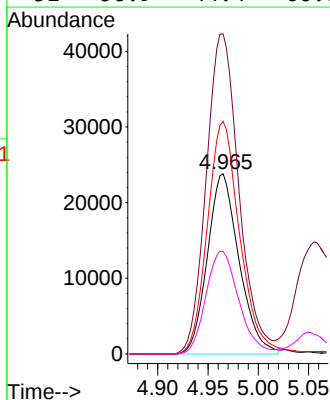
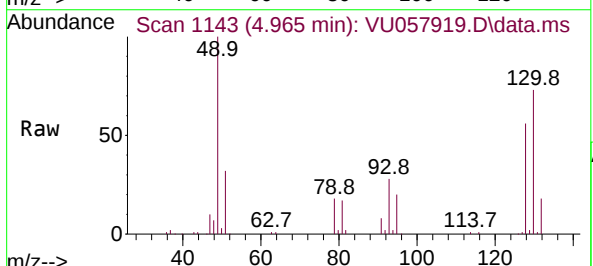
Ion Ratio Lower Upper

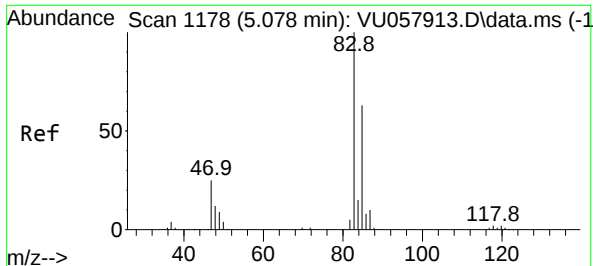
128 100

49 177.6 124.0 230.4

130 129.0 87.8 163.0

51 56.9 44.4 66.6





#25

Chloroform

Concen: 45.396 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

Instrument :

MSVOA_U

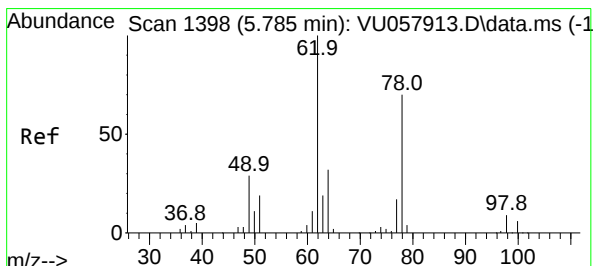
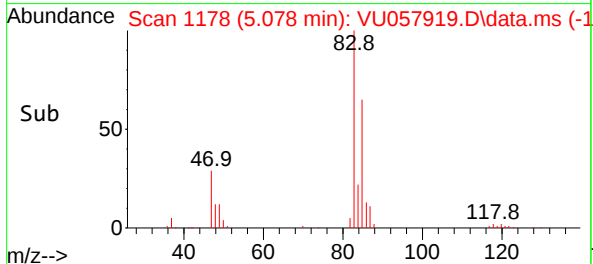
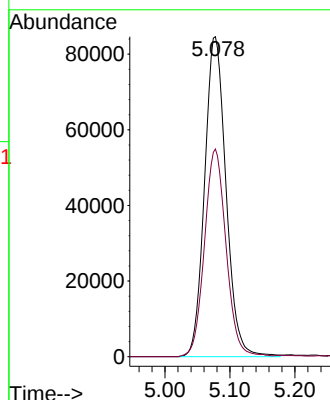
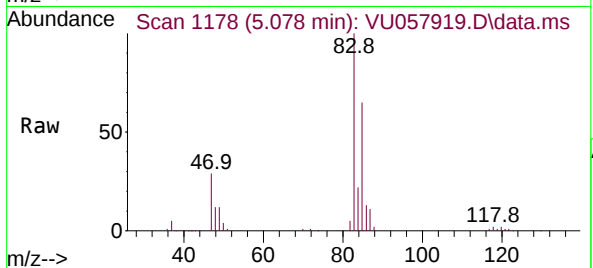
ClientSampleId :

Tgt Ion: 83 Resp: 194170

Ion Ratio Lower Upper

83 100

85 64.9 45.6 84.6



#27

1,2-Dichloroethane

Concen: 44.876 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.004 min

Lab File: VU057919.D

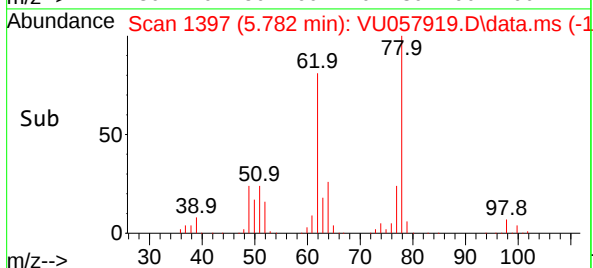
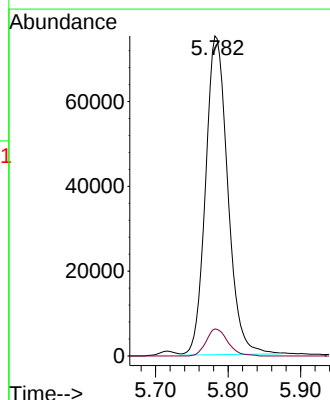
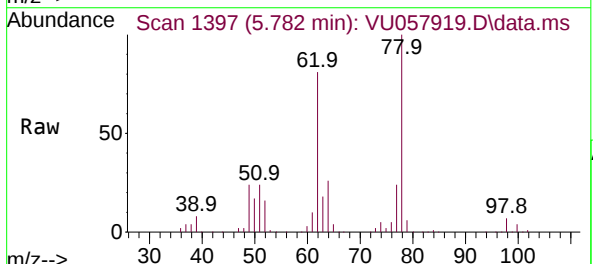
Acq: 22 Feb 2024 09:50

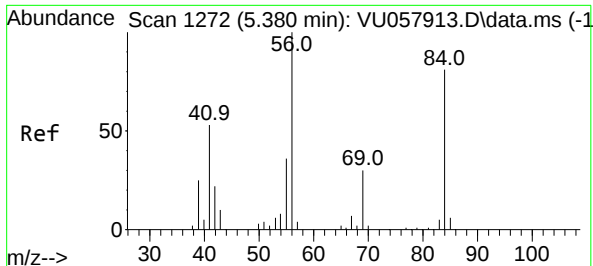
Tgt Ion: 62 Resp: 159710

Ion Ratio Lower Upper

62 100

98 8.4 7.1 10.7





#29

Cyclohexane

Concen: 46.214 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

Instrument :

MSVOA_U

ClientSampleId :

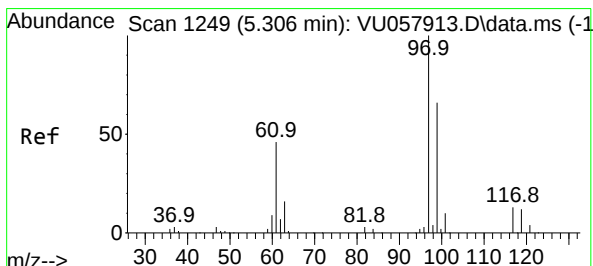
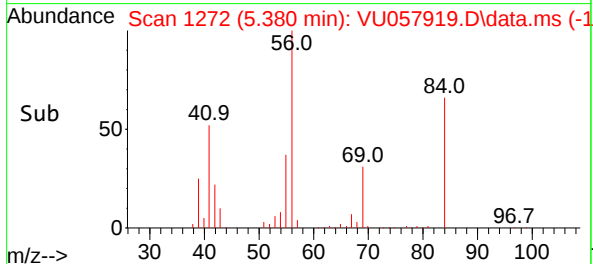
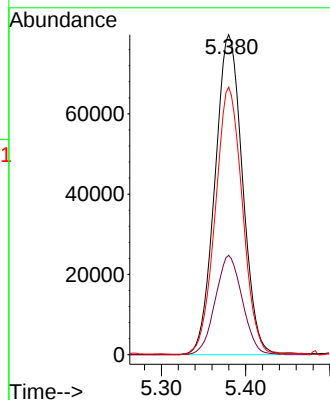
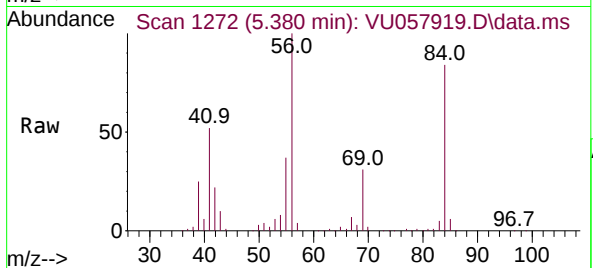
Tgt Ion: 56 Resp: 180692

Ion Ratio Lower Upper

56 100

69 30.4 24.6 36.8

84 82.0 66.9 100.3



#30

1,1,1-Trichloroethane

Concen: 46.174 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

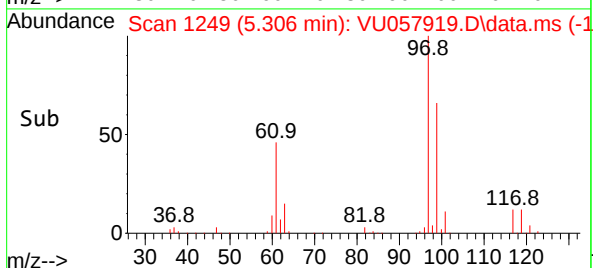
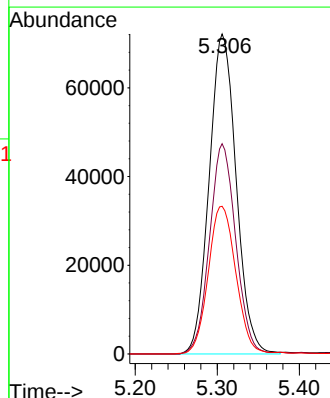
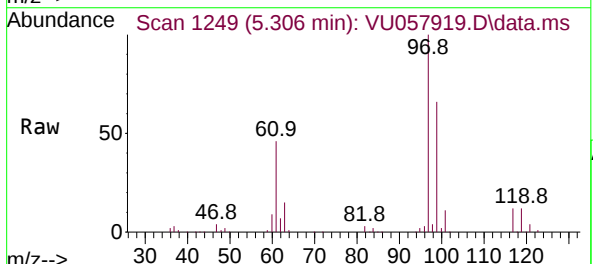
Tgt Ion: 97 Resp: 165304

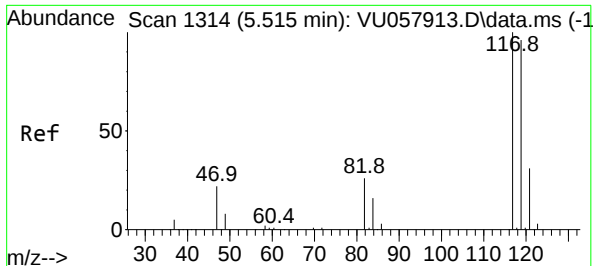
Ion Ratio Lower Upper

97 100

99 63.8 51.6 77.4

61 47.2 36.8 55.2

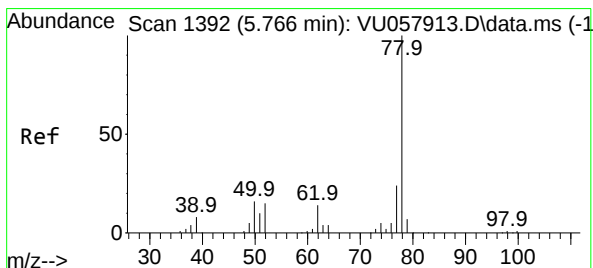
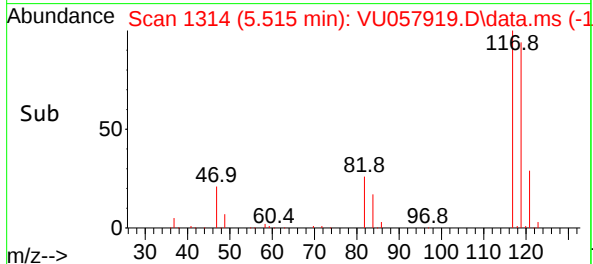
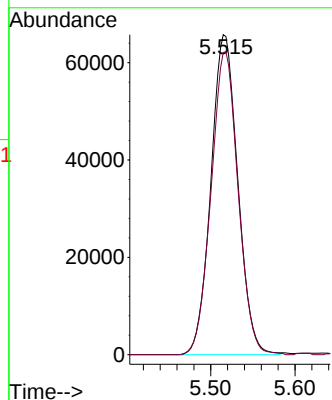
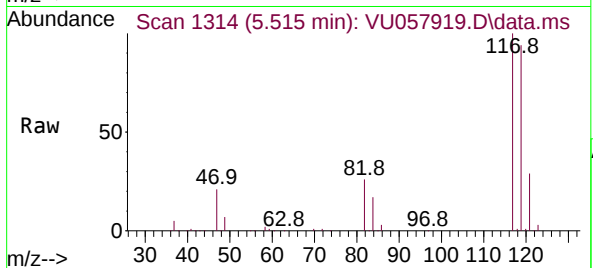




#31
Carbon tetrachloride
Concen: 47.275 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

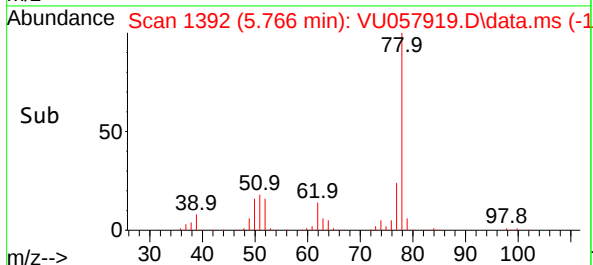
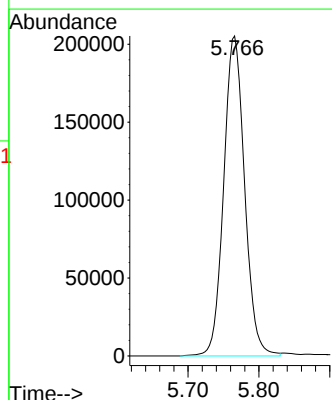
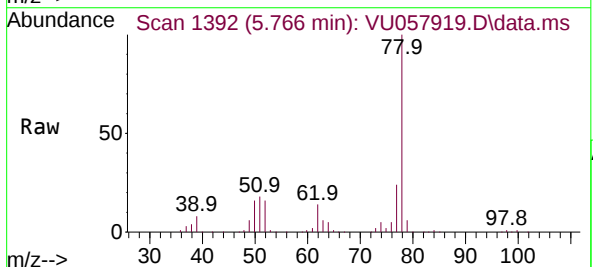
Instrument :
MSVOA_U
ClientSampleId :

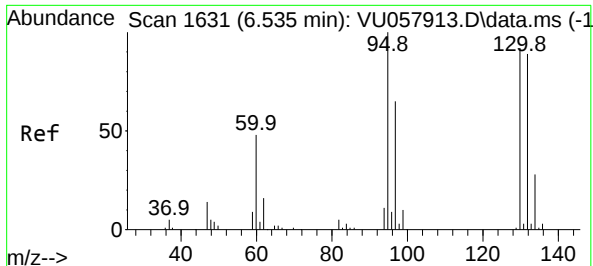
Tgt Ion:117 Resp: 145340
Ion Ratio Lower Upper
117 100
119 95.3 75.9 113.9



#33
Benzene
Concen: 45.436 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

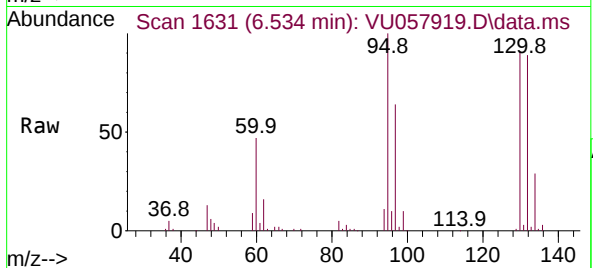
Tgt Ion: 78 Resp: 421006



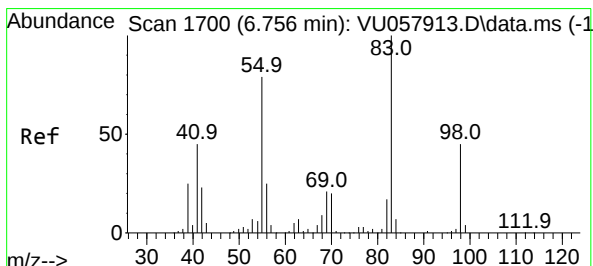
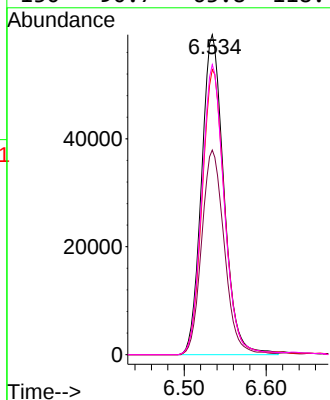
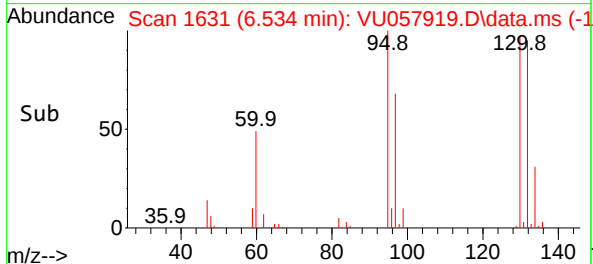


#34
Trichloroethene
Concen: 47.215 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

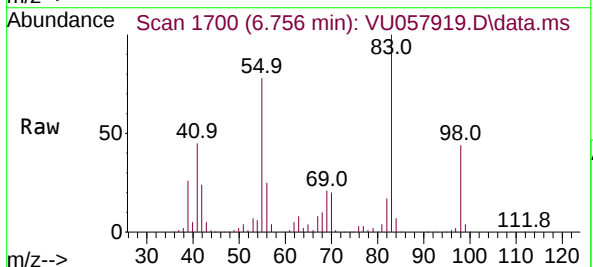
Instrument :
MSVOA_U
ClientSampleId :



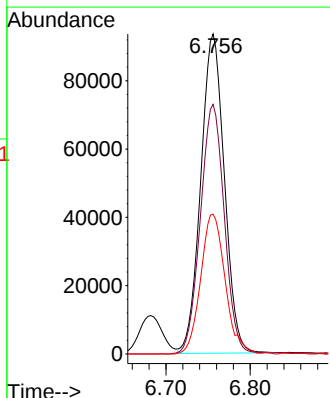
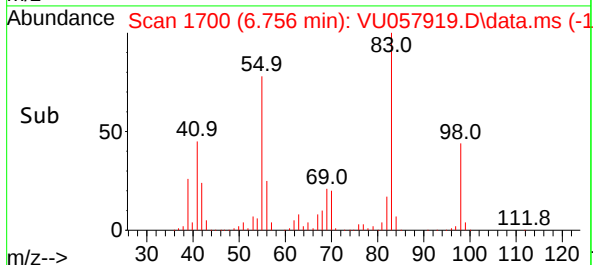
Tgt Ion: 95 Resp: 112458
Ion Ratio Lower Upper
95 100
97 64.0 44.2 82.2
132 89.1 61.4 114.0
130 90.7 63.8 118.4

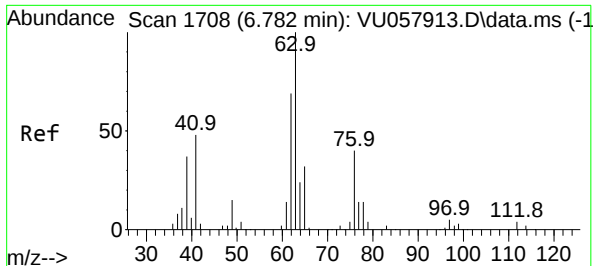


#35
Methylcyclohexane
Concen: 47.068 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50



Tgt Ion: 83 Resp: 182143
Ion Ratio Lower Upper
83 100
55 79.2 62.7 94.1
98 45.3 36.3 54.5

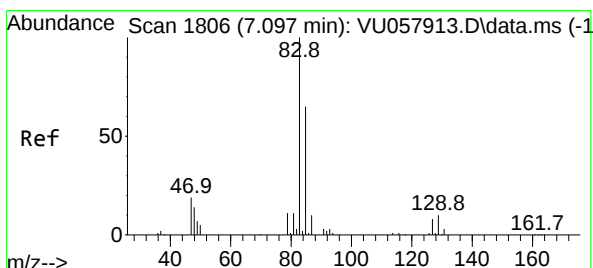
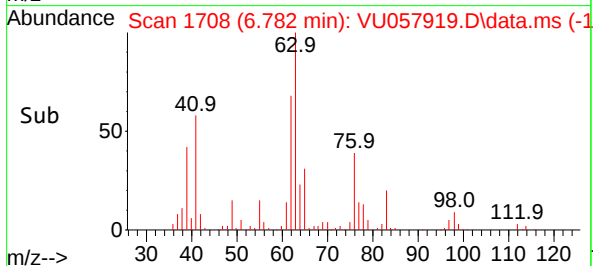
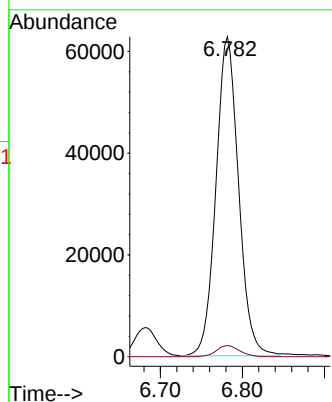
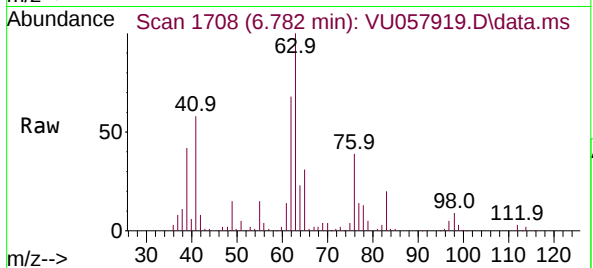




#37
1,2-Dichloropropane
Concen: 46.007 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

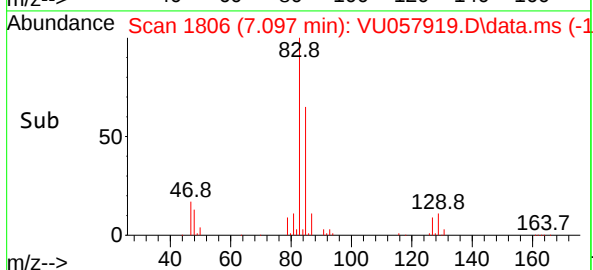
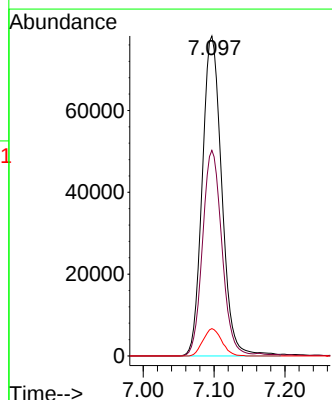
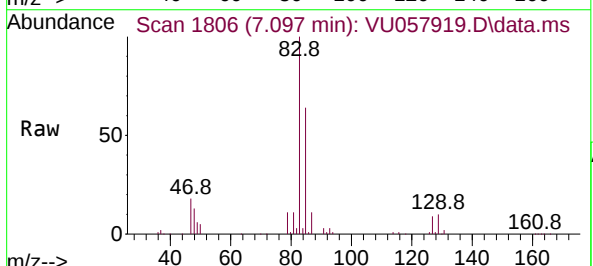
Instrument :
MSVOA_U
ClientSampleId :

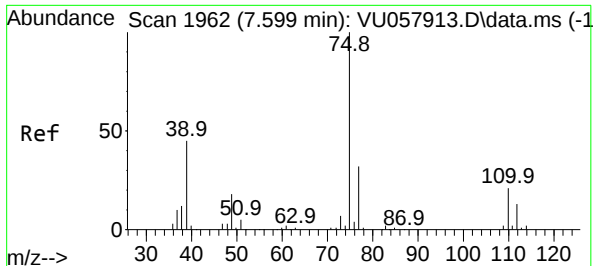
Tgt Ion: 63 Resp: 120289
Ion Ratio Lower Upper
63 100
112 3.5 2.9 4.3



#38
Bromodichloromethane
Concen: 47.674 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

Tgt Ion: 83 Resp: 149681
Ion Ratio Lower Upper
83 100
85 64.2 45.4 84.4
127 8.6 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 47.392 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

Instrument :

MSVOA_U

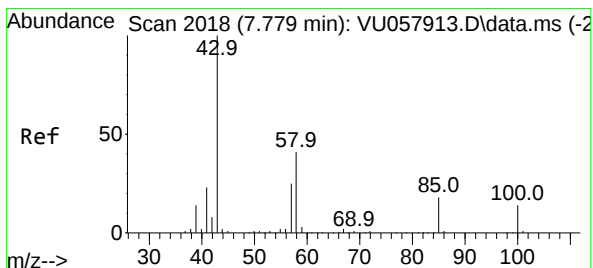
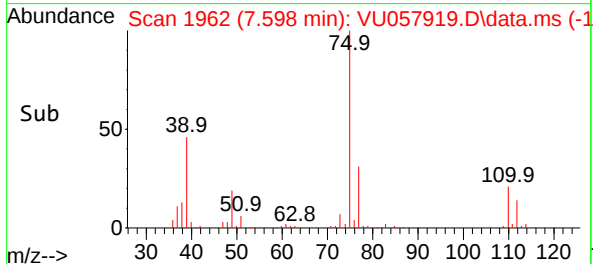
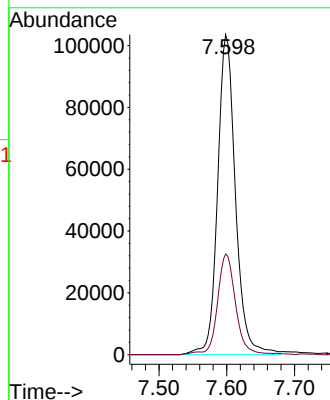
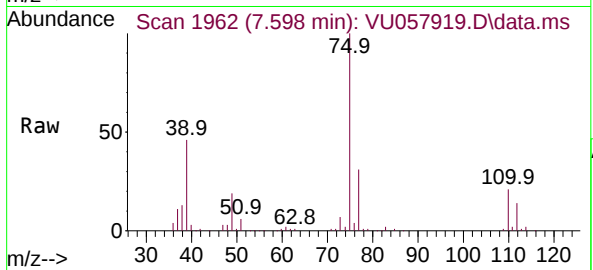
ClientSampleId :

Tgt Ion: 75 Resp: 189359

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 85.006 ug/L

RT: 7.778 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

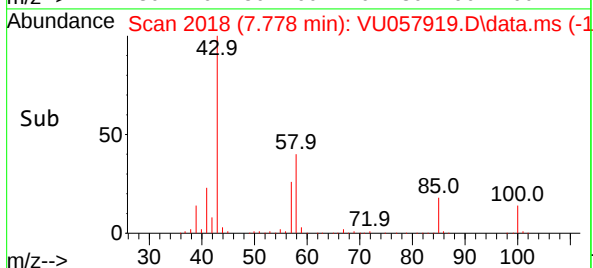
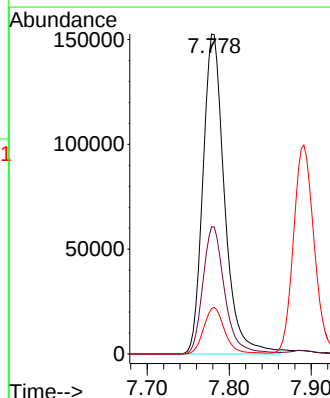
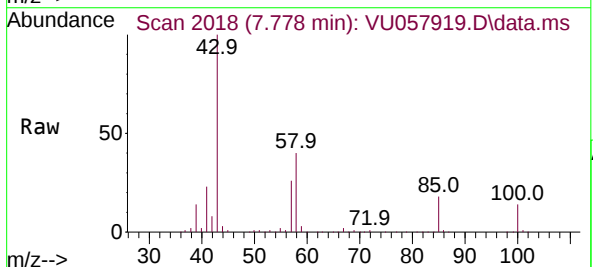
Tgt Ion: 43 Resp: 279769

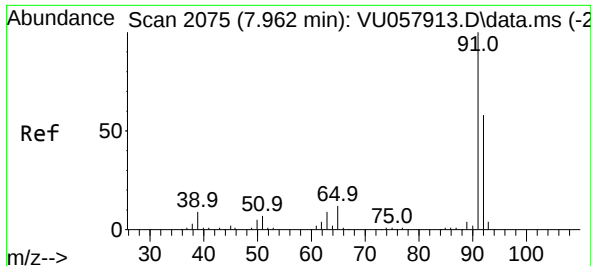
Ion Ratio Lower Upper

43 100

58 40.2 32.3 48.5

100 14.1 11.4 17.0





#42

Toluene

Concen: 46.459 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

Instrument :

MSVOA_U

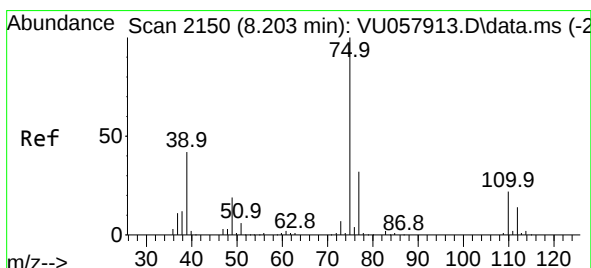
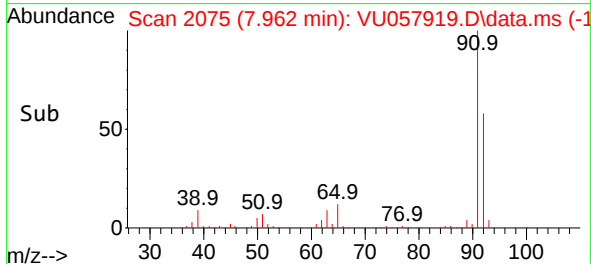
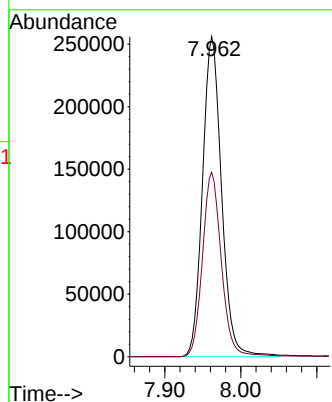
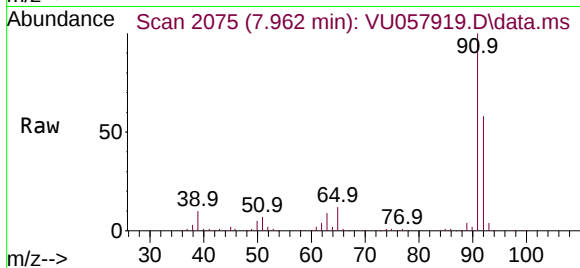
ClientSampleId :

Tgt Ion: 91 Resp: 445522

Ion Ratio Lower Upper

91 100

92 57.7 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 48.157 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU057919.D

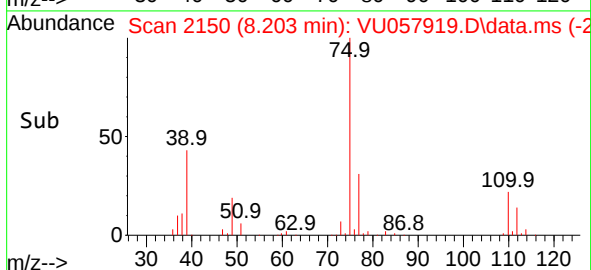
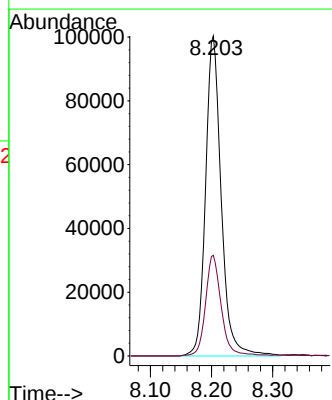
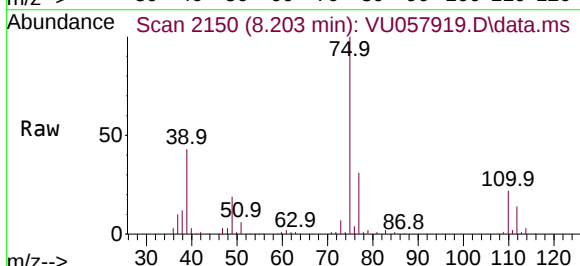
Acq: 22 Feb 2024 09:50

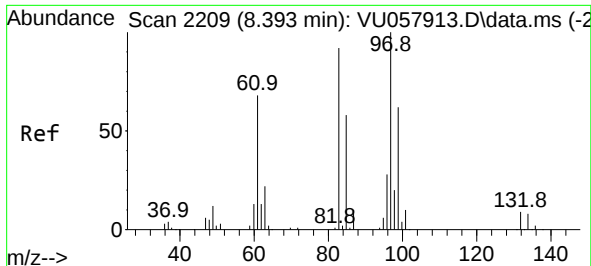
Tgt Ion: 75 Resp: 178562

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 45.249 ug/L

RT: 8.389 min Scan# 2208

Delta R.T. -0.004 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 105120

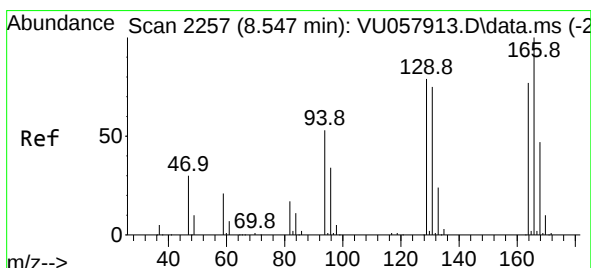
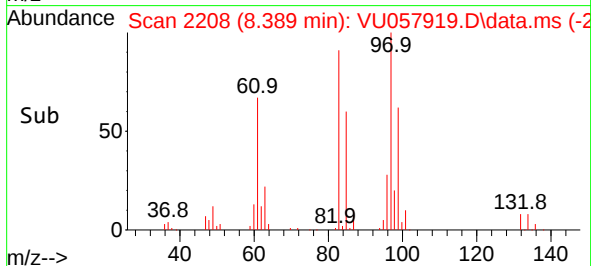
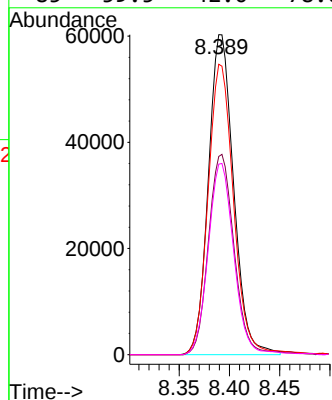
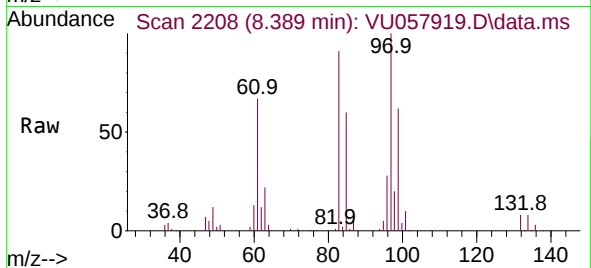
Ion Ratio Lower Upper

97 100

99 61.9 43.0 80.0

83 90.7 65.0 120.6

85 59.5 42.0 78.0



#46

Tetrachloroethene

Concen: 48.493 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

Tgt Ion:164 Resp: 79488

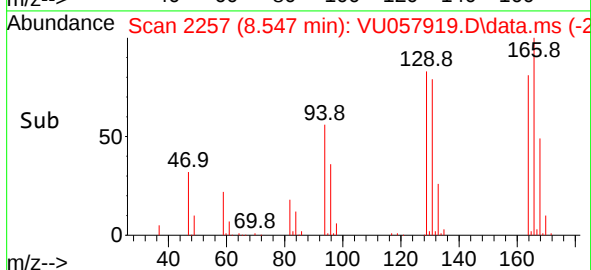
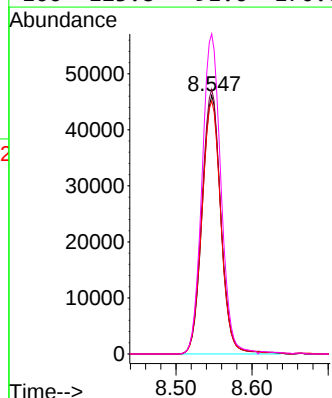
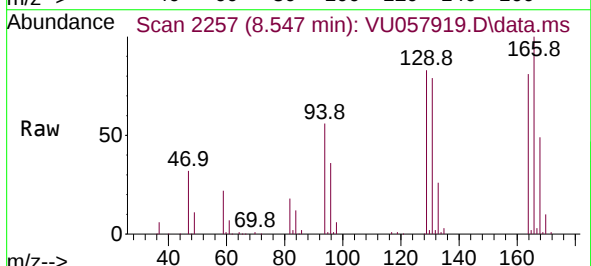
Ion Ratio Lower Upper

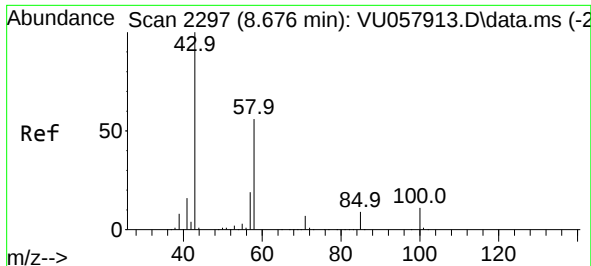
164 100

129 102.4 74.1 137.7

131 97.9 72.0 133.6

166 123.8 91.6 170.0

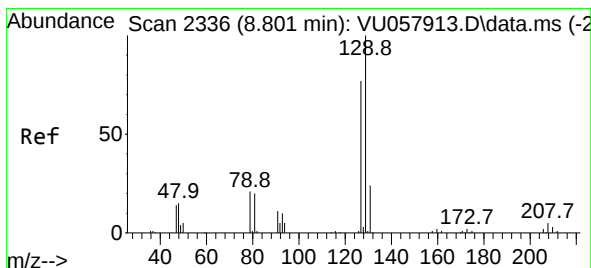
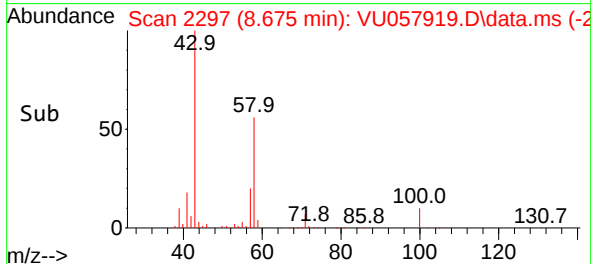
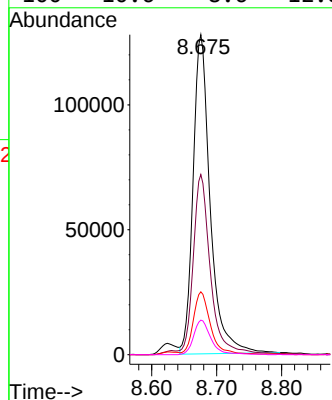
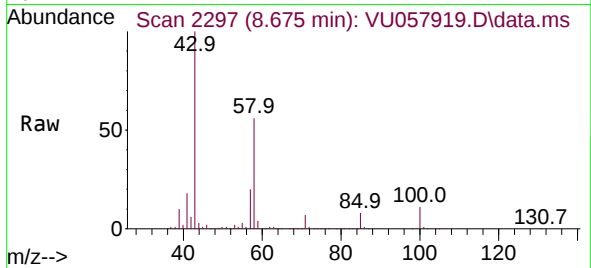




#48
2-Hexanone
Concen: 87.398 ug/L
RT: 8.675 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

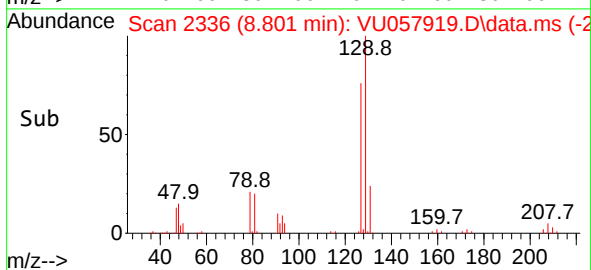
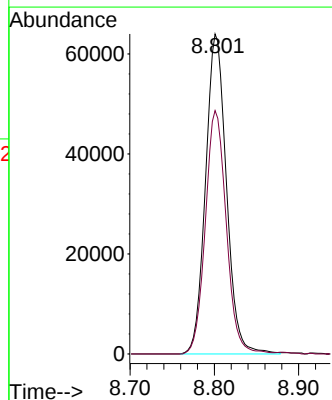
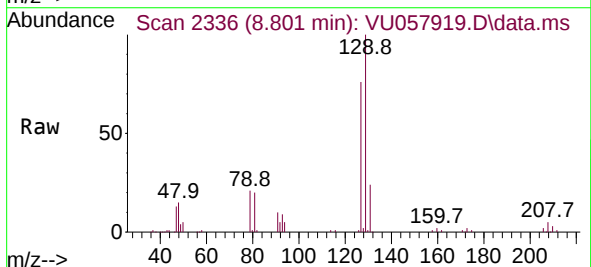
Instrument :
MSVOA_U
ClientSampleId :

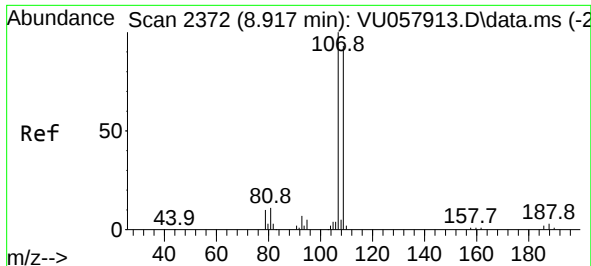
Tgt Ion: 43 Resp: 234778
Ion Ratio Lower Upper
43 100
58 55.0 43.8 65.8
57 18.9 15.5 23.3
100 10.6 8.6 12.8



#49
Dibromochloromethane
Concen: 47.723 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

Tgt Ion:129 Resp: 110411
Ion Ratio Lower Upper
129 100
127 76.0 53.3 99.1

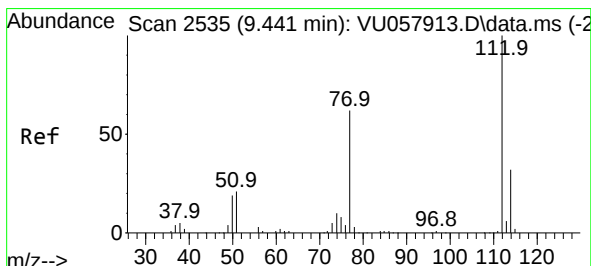
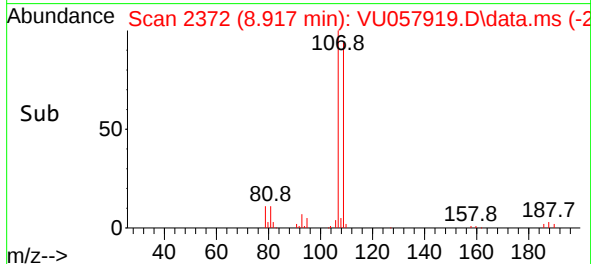
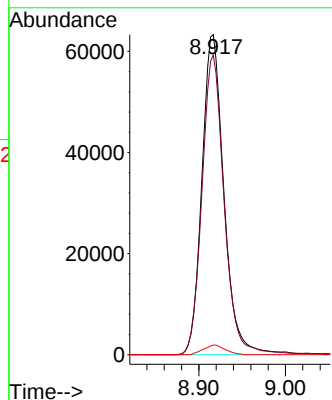
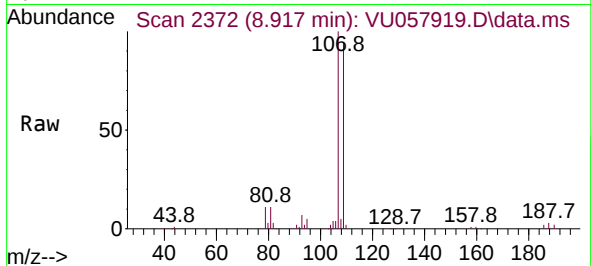




#50
1,2-Dibromoethane
Concen: 45.534 ug/L
RT: 8.917 min Scan# 2113
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

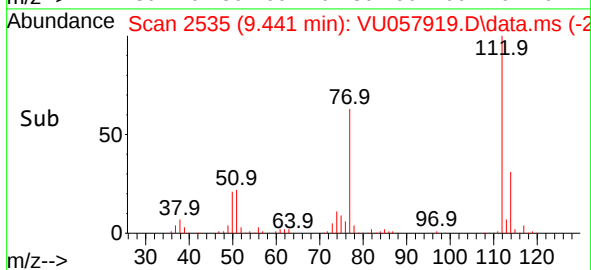
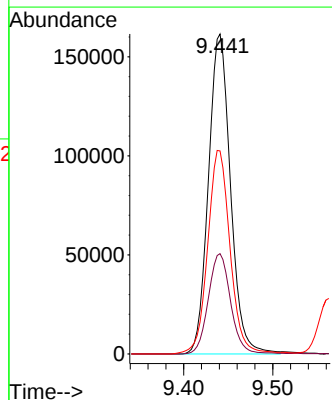
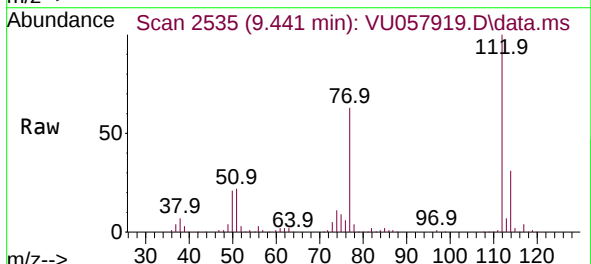
Instrument :
MSVOA_U
ClientSampleId :

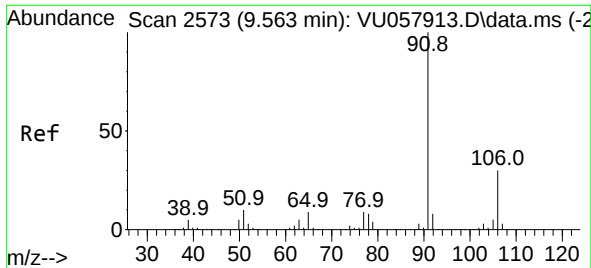
Tgt Ion:107 Resp: 111378
Ion Ratio Lower Upper
107 100
109 93.7 66.1 122.8
188 3.0 2.6 3.8



#51
Chlorobenzene
Concen: 45.564 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

Tgt Ion:112 Resp: 277847
Ion Ratio Lower Upper
112 100
114 31.4 22.7 42.1
77 63.4 51.8 77.8

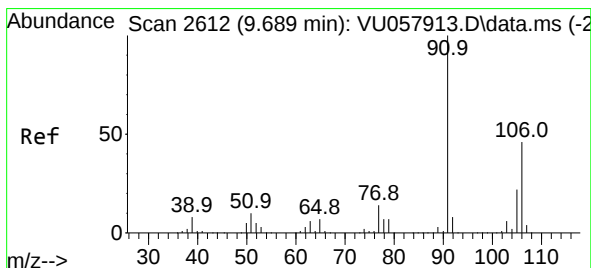
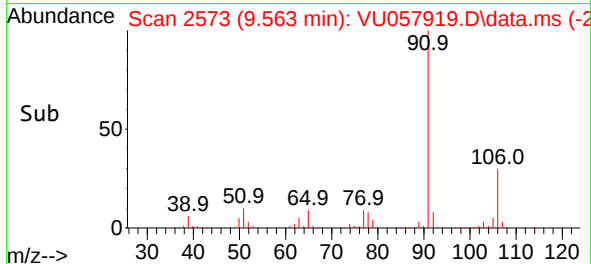
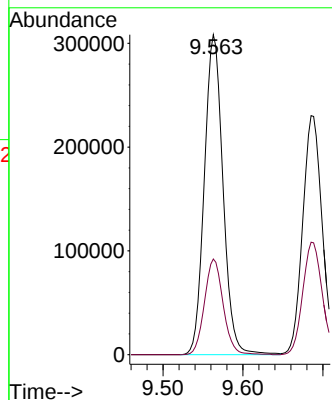
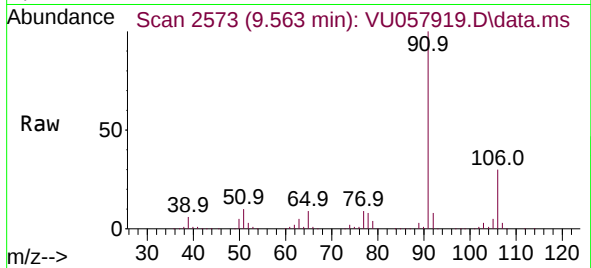




#52
Ethylbenzene
Concen: 46.607 ug/L
RT: 9.563 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

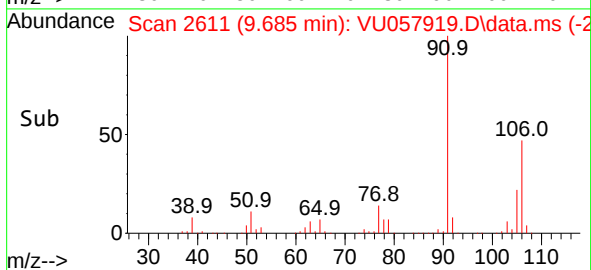
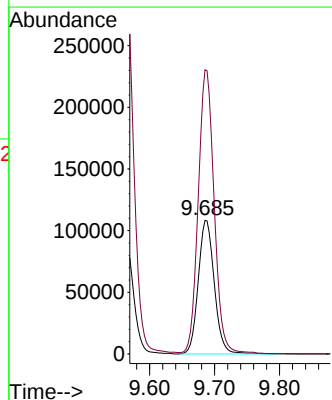
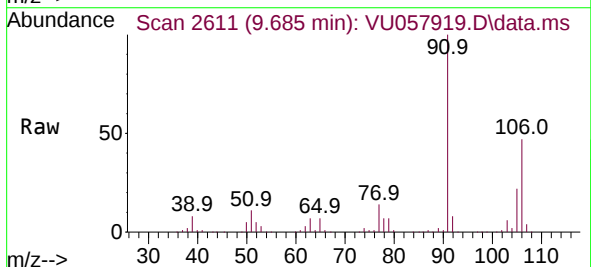
Instrument :
MSVOA_U
ClientSampleId :

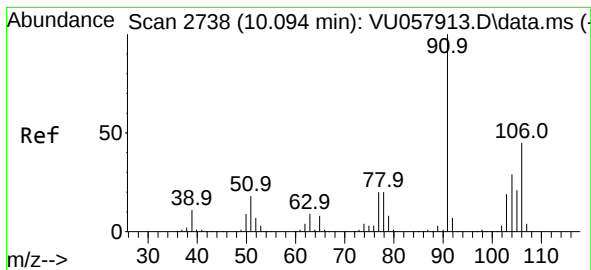
Tgt Ion: 91 Resp: 501151
Ion Ratio Lower Upper
91 100
106 29.9 21.1 39.1



#53
m,p-Xylene
Concen: 47.664 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.004 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

Tgt Ion:106 Resp: 186391
Ion Ratio Lower Upper
106 100
91 212.5 150.2 279.0





#54

o-Xylene

Concen: 46.631 ug/L

RT: 10.093 min Scan# 2738

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

Instrument :

MSVOA_U

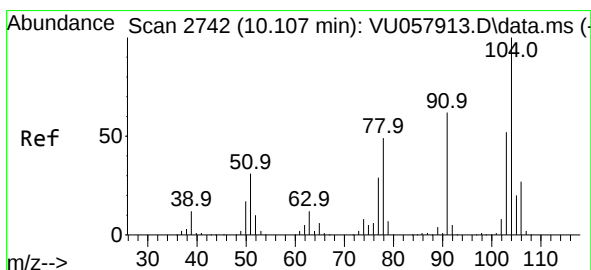
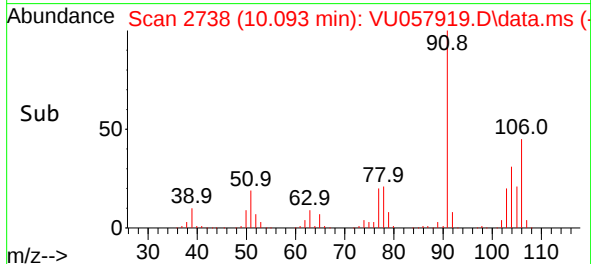
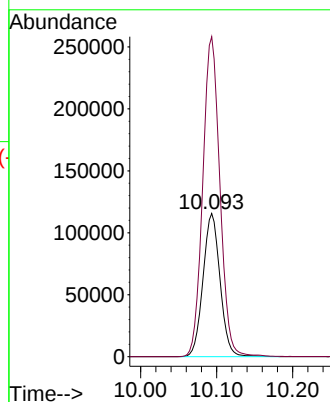
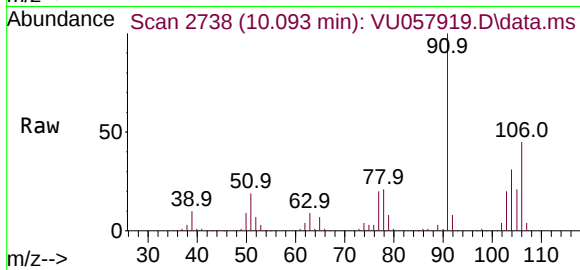
ClientSampleId :

Tgt Ion:106 Resp: 180171

Ion Ratio Lower Upper

106 100

91 223.4 161.3 299.5



#55

Styrene

Concen: 46.562 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. -0.000 min

Lab File: VU057919.D

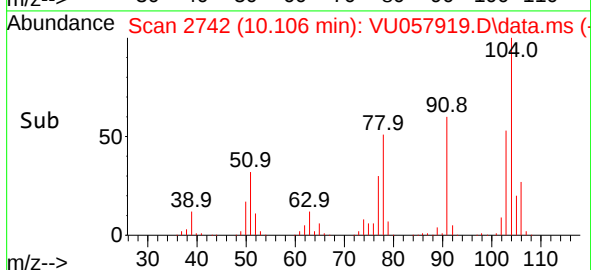
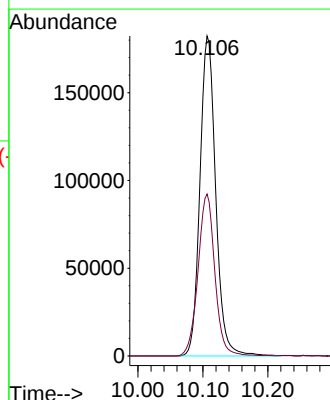
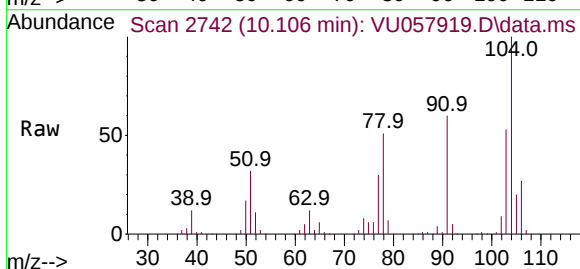
Acq: 22 Feb 2024 09:50

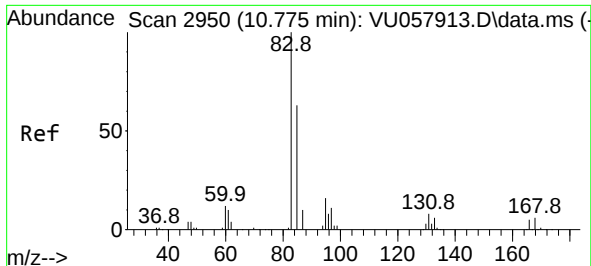
Tgt Ion:104 Resp: 308502

Ion Ratio Lower Upper

104 100

78 50.6 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 42.344 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

Instrument :

MSVOA_U

ClientSampleId :

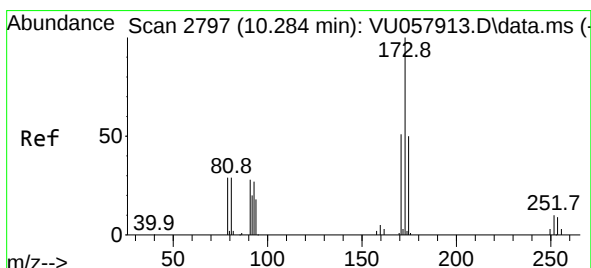
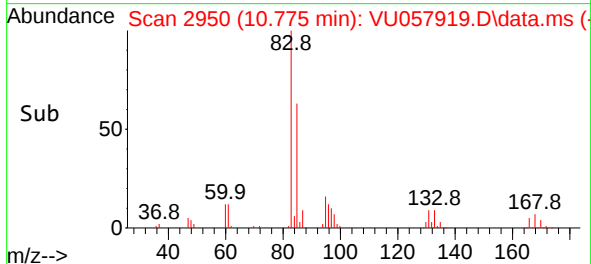
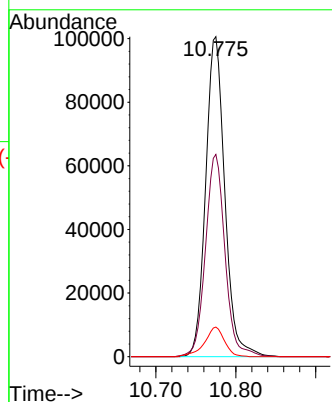
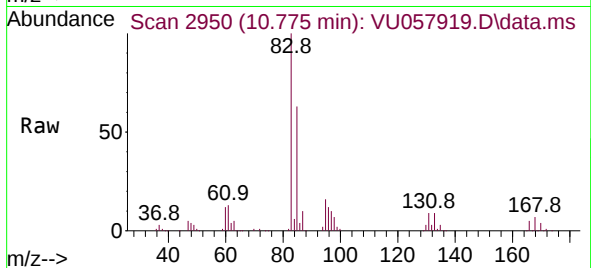
Tgt Ion: 83 Resp: 167578

Ion Ratio Lower Upper

83 100

85 63.2 45.2 84.0

131 9.3 7.8 11.6



#59

Bromoform

Concen: 47.207 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

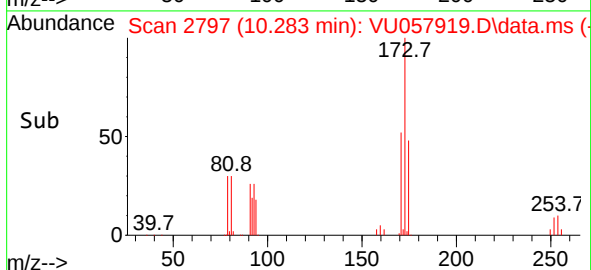
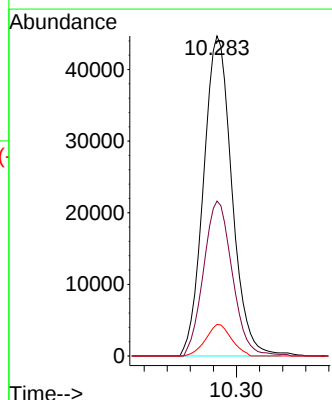
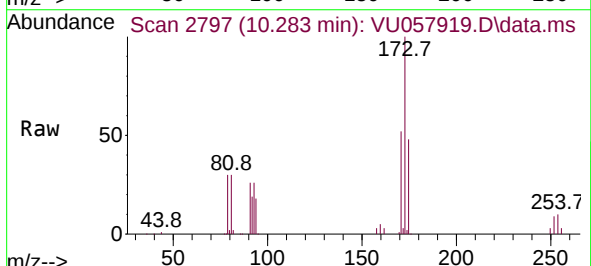
Tgt Ion:173 Resp: 76224

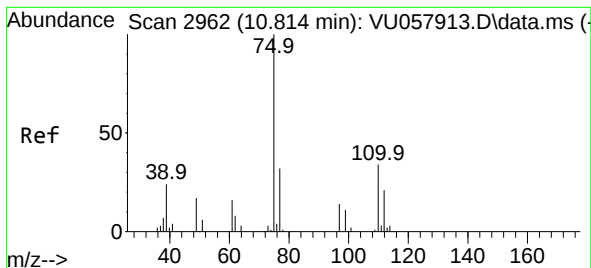
Ion Ratio Lower Upper

173 100

175 49.0 38.8 58.2

254 8.9 1.0 1.6#





#60

1,2,3-Trichloropropane

Concen: 43.048 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

Instrument :

MSVOA_U

ClientSampleId :

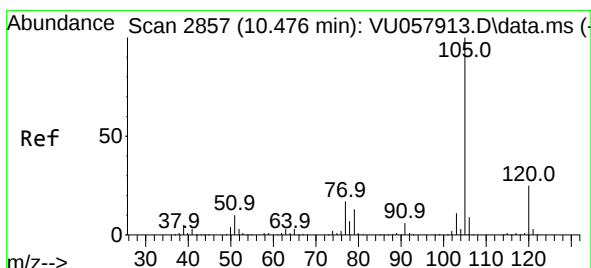
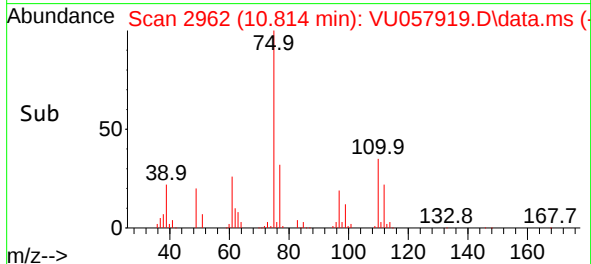
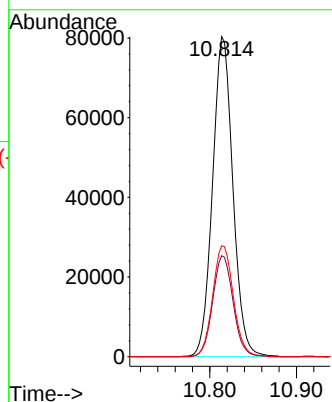
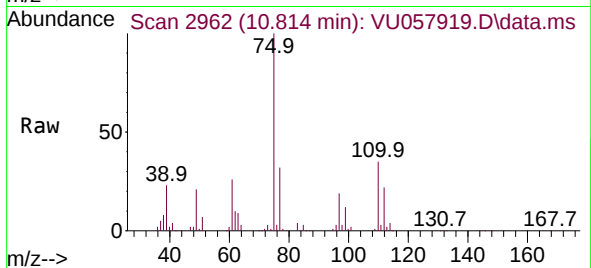
Tgt Ion: 75 Resp: 131186

Ion Ratio Lower Upper

75 100

77 31.6 25.9 38.9

110 35.3 28.3 42.5



#61

Isopropylbenzene

Concen: 47.108 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

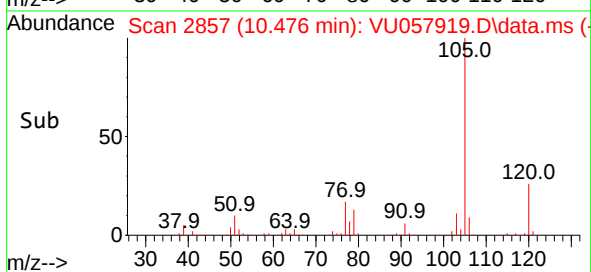
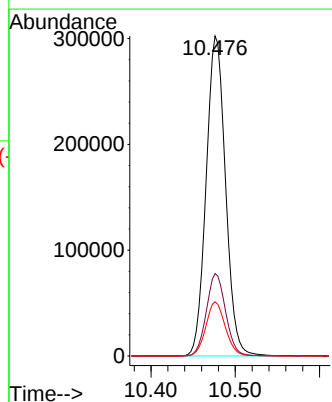
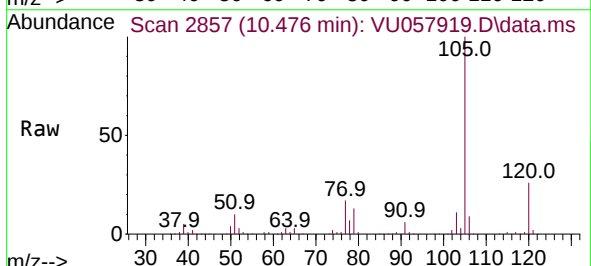
Tgt Ion: 105 Resp: 484244

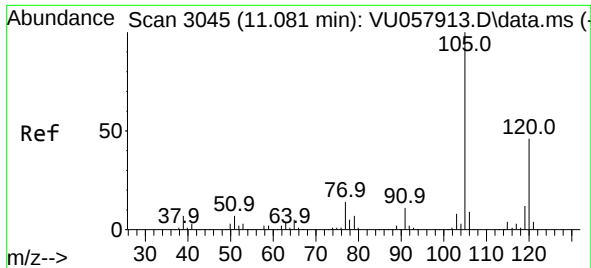
Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

77 17.0 13.5 20.3

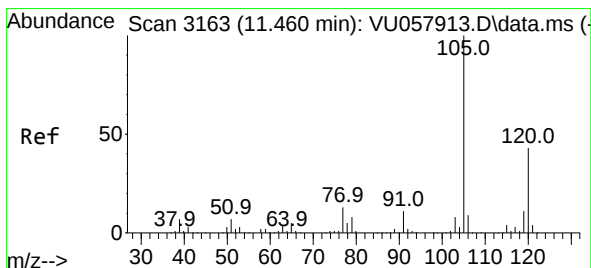
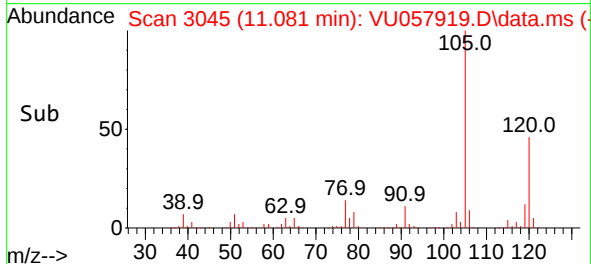
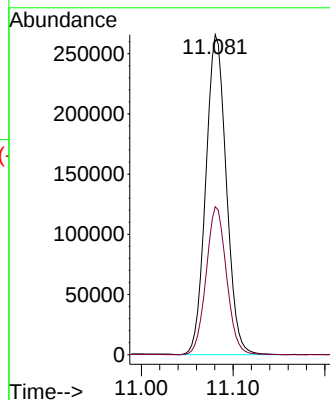
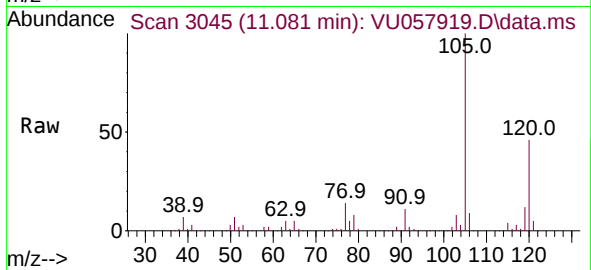




#62
1,3,5-Trimethylbenzene
Concen: 46.593 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

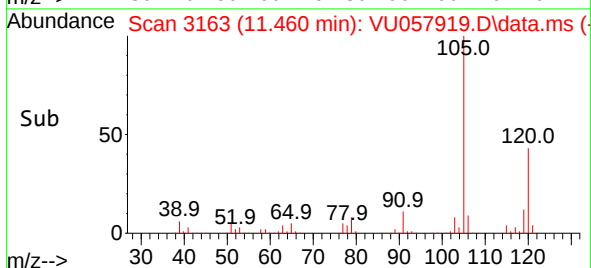
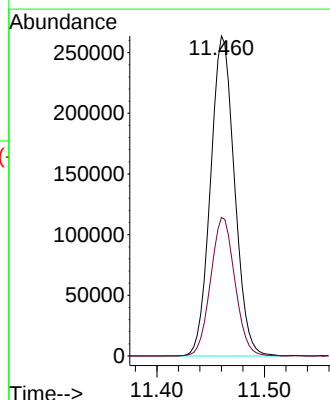
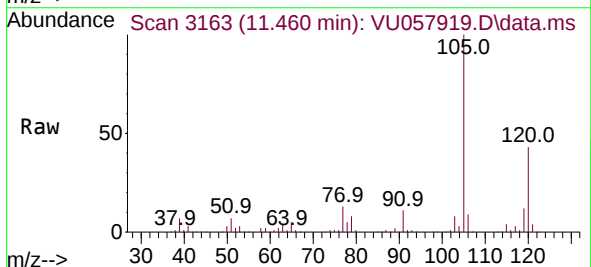
Instrument :
MSVOA_U
ClientSampleId :

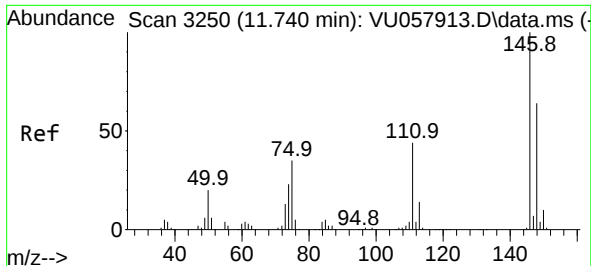
Tgt Ion:105 Resp: 412644
Ion Ratio Lower Upper
105 100
120 45.9 37.0 55.6



#63
1,2,4-Trimethylbenzene
Concen: 45.983 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

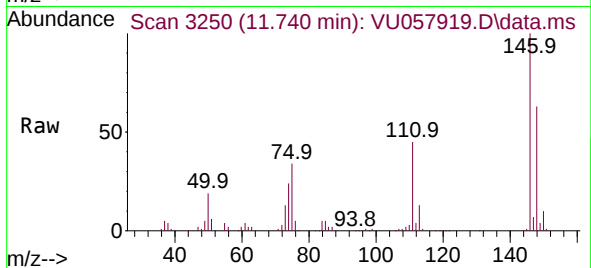
Tgt Ion:105 Resp: 409208
Ion Ratio Lower Upper
105 100
120 43.8 34.8 52.2



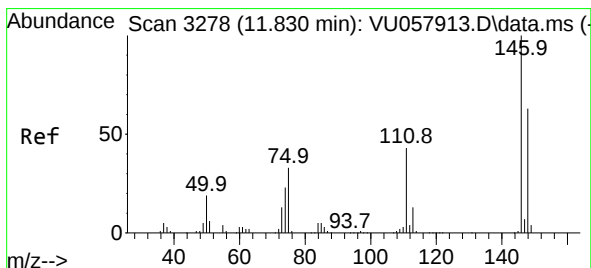
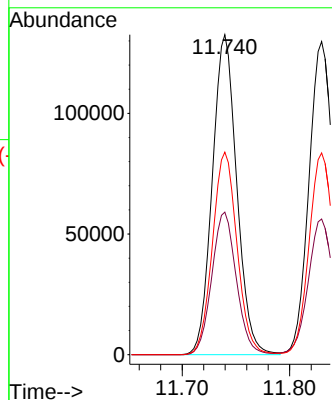
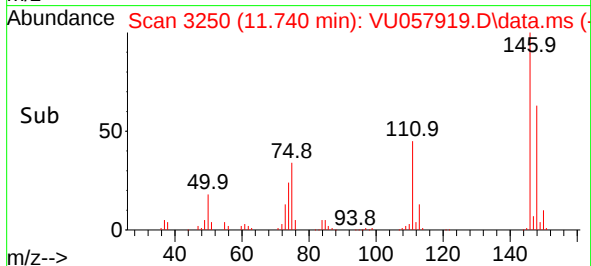


#64
1,3-Dichlorobenzene
Concen: 46.128 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

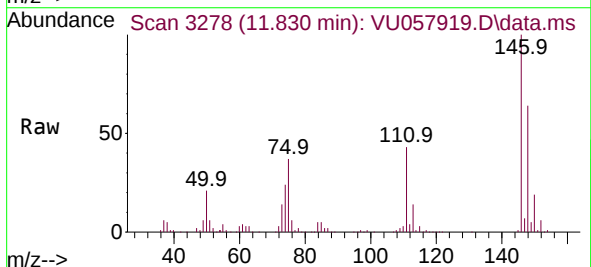
Instrument :
MSVOA_U
ClientSampleId :



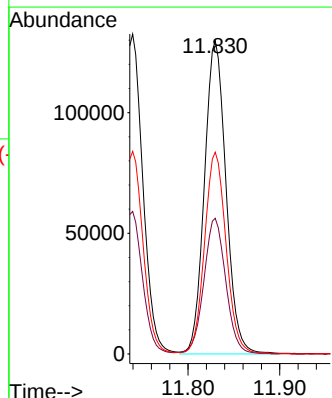
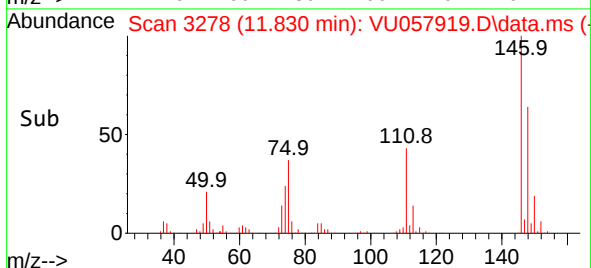
Tgt Ion:146 Resp: 209655
Ion Ratio Lower Upper
146 100
111 44.5 31.6 58.6
148 63.3 45.1 83.9

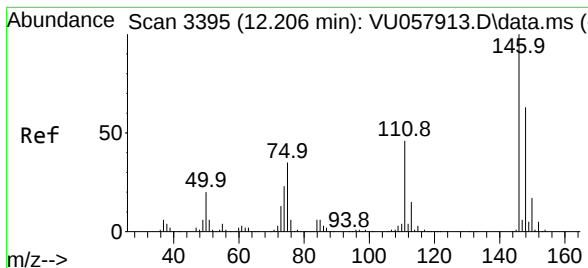


#65
1,4-Dichlorobenzene
Concen: 45.902 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50



Tgt Ion:146 Resp: 212531
Ion Ratio Lower Upper
146 100
111 43.3 29.9 55.5
148 64.4 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 45.485 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

Instrument :

MSVOA_U

ClientSampleId :

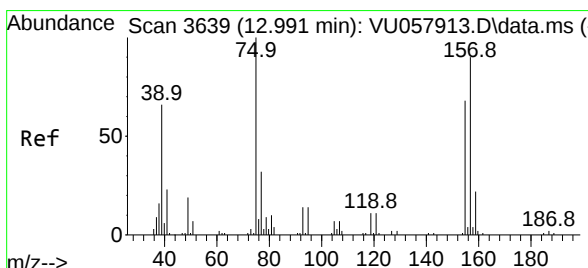
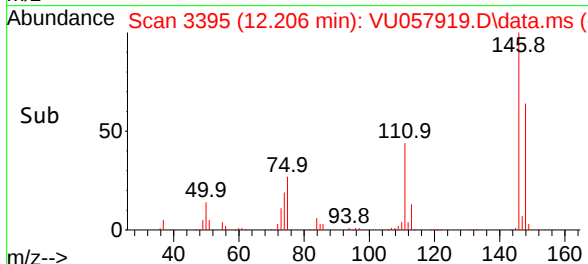
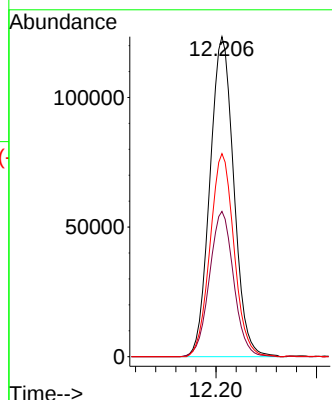
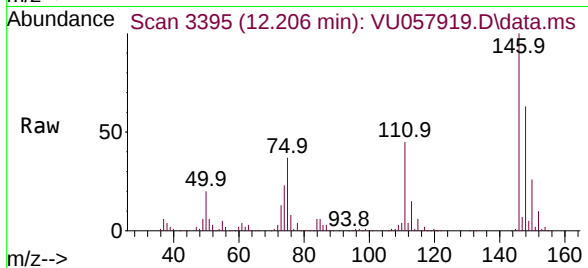
Tgt Ion:146 Resp: 203385

Ion Ratio Lower Upper

146 100

111 45.4 37.3 55.9

148 63.5 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 43.008 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.004 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

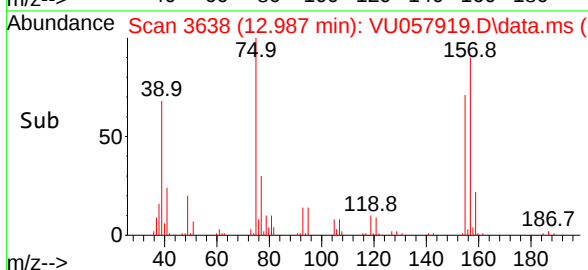
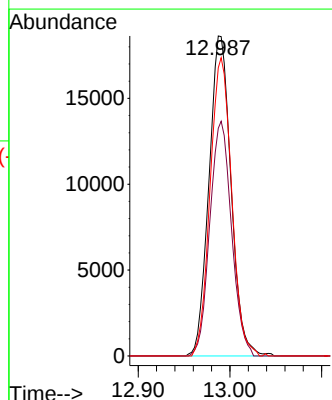
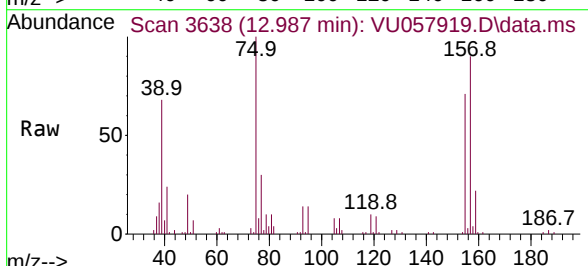
Tgt Ion: 75 Resp: 31118

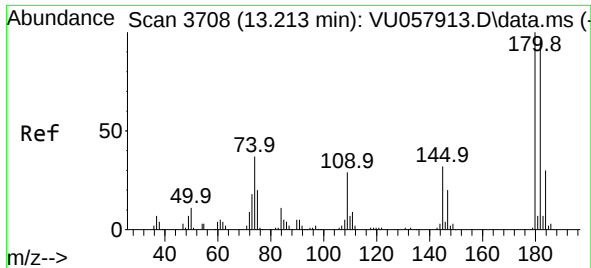
Ion Ratio Lower Upper

75 100

155 74.5 63.2 94.8

157 94.0 74.6 112.0





#69

1,3,5-Trichlorobenzene

Concen: 47.414 ug/L

RT: 13.212 min Scan# 3

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 144942

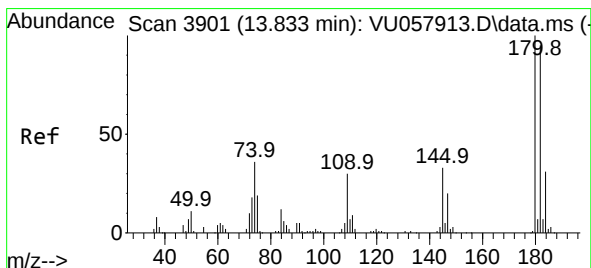
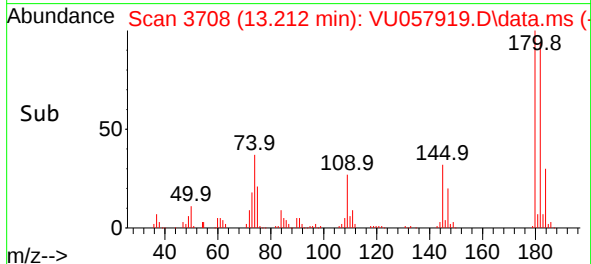
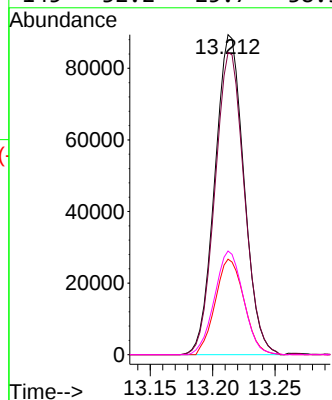
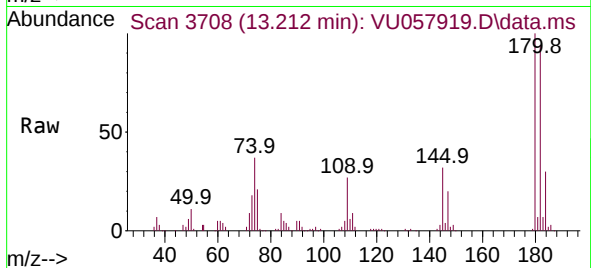
Ion Ratio Lower Upper

180 100

182 95.1 77.6 116.4

184 29.6 24.1 36.1

145 32.2 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 49.821 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU057919.D

Acq: 22 Feb 2024 09:50

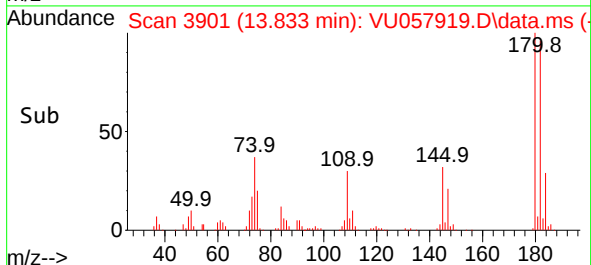
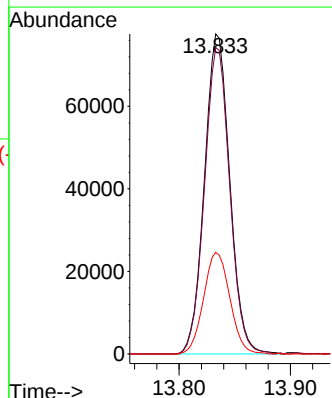
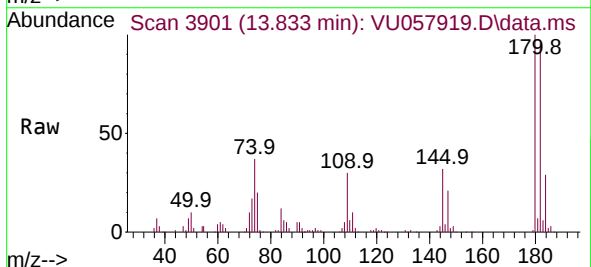
Tgt Ion:180 Resp: 122624

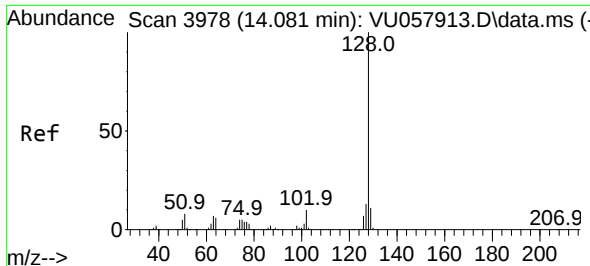
Ion Ratio Lower Upper

180 100

182 95.4 75.8 113.6

145 32.8 25.9 38.9

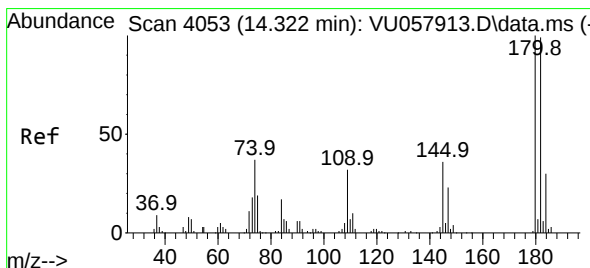
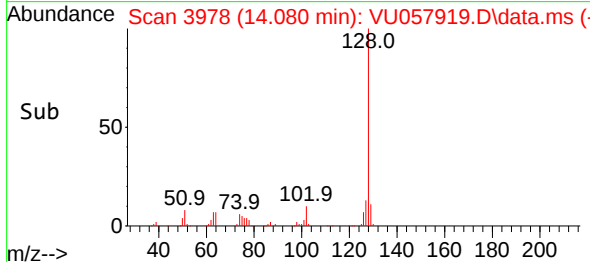
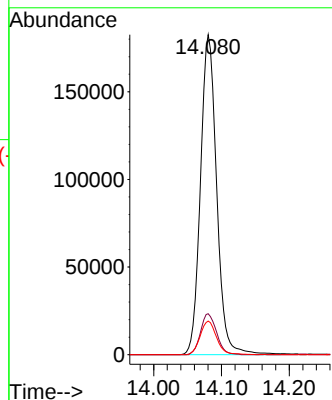
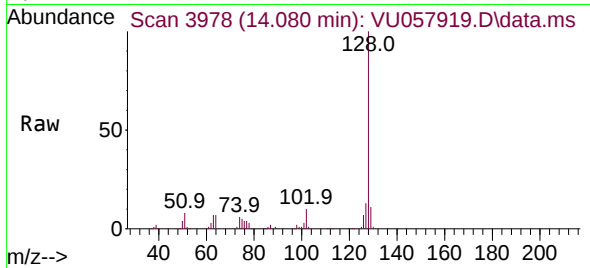




#71
Naphthalene
Concen: 46.386 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 303182
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.6 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 47.784 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU057919.D
Acq: 22 Feb 2024 09:50

Tgt Ion:180 Resp: 108026
Ion Ratio Lower Upper
180 100
182 96.3 75.4 113.2
145 35.2 27.8 41.8

