

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082823\
 Data File : VU054917.D
 Acq On : 28 Aug 2023 10:49
 Operator : MD/SY
 Sample : VSTD01046
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 02:49:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 29 02:45:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	204866	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	193265	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	110713	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	64854	4.726	ug/L	0.00
7) Chloroethane-d5	1.907	69	83284	6.950	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	35851	6.147	ug/L	0.00
20) 2-Butanone-d5	4.621	46	361643	103.664	ug/L	0.00
24) Chloroform-d	5.058	84	243788	9.081	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	131008	9.269	ug/L	0.00
32) Benzene-d6	5.724	84	455486	9.164	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.689	67	161029	10.020	ug/L	0.00
41) Toluene-d8	7.894	98	443967	9.556	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	54110	8.645	ug/L	0.00
46) 2-Hexanone-d5	8.631	63	267965	109.333	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	136895	10.460	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	181107	9.530	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	130111	8.401	ug/L	99
3) Chloromethane	1.518	50	137024	8.033	ug/L	98
5) Vinyl chloride	1.602	62	143062	8.543	ug/L	100
6) Bromomethane	1.853	94	90613	8.850	ug/L	97
8) Chloroethane	1.930	64	91100	9.325	ug/L	97
9) Trichlorofluoromethane	2.136	101	202367	9.130	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	105181	9.328	ug/L	96
12) 1,1-Dichloroethene	2.576	96	93864	9.047	ug/L	94
13) Acetone	2.631	43	172137	94.282	ug/L	99
14) Carbon disulfide	2.788	76	261221	7.752	ug/L	96
15) Methyl Acetate	2.949	43	40789	9.177	ug/L	100
16) Methylene chloride	3.042	84	111672	7.277	ug/L	99
17) Methyl tert-butyl Ether	3.361	73	275245	10.871	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	100696	9.348	ug/L	95
19) 1,1-Dichloroethane	3.866	63	218069	10.274	ug/L	99
21) 2-Butanone	4.705	43	296519	107.074	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	126369	10.465	ug/L	95
23) Bromochloromethane	4.972	128	51737	9.857	ug/L	94
25) Chloroform	5.084	83	232556	10.359	ug/L	100
27) 1,2-Dichloroethane	5.792	62	146477	10.270	ug/L	97
29) 1,1,1-Trichloroethane	5.312	97	196726	10.427	ug/L	100
30) Cyclohexane	5.386	56	179600	10.626	ug/L	97
31) Carbon tetrachloride	5.521	117	169040	10.069	ug/L	99
33) Benzene	5.772	78	483757	10.924	ug/L	100
34) Trichloroethene	6.541	95	130965	10.515	ug/L	95
35) Methylcyclohexane	6.759	83	195167	11.137	ug/L	98
37) 1,2-Dichloropropane	6.788	63	133357	11.334	ug/L	99
38) Bromodichloromethane	7.103	83	163463	10.893	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	198685	11.333	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	769438	117.802	ug/L	100
42) Toluene	7.968	91	538617	11.414	ug/L	98
44) trans-1,3-Dichloropropene	8.209	75	167349	11.229	ug/L	99

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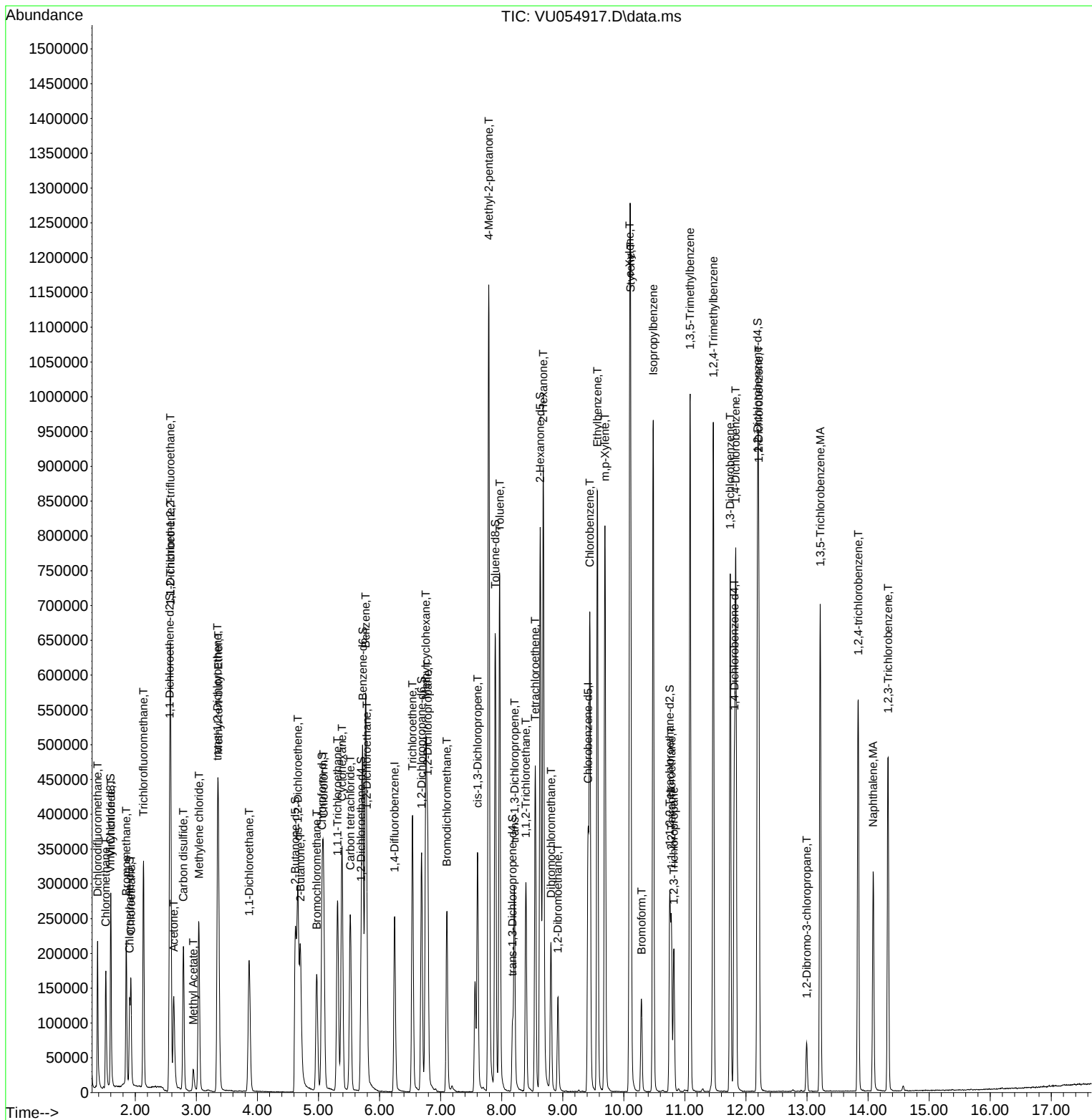
Quant Time: Aug 29 02:49:12 2023
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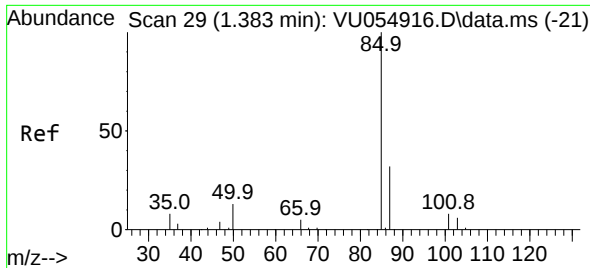
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.396	97	90774	10.771	ug/L	96
47) Tetrachloroethene	8.550	164	96262	9.861	ug/L	93
48) 2-Hexanone	8.682	43	579881	123.549	ug/L	100
49) Dibromochloromethane	8.807	129	105390	11.045	ug/L	88
50) 1,2-Dibromoethane	8.920	107	87343	10.999	ug/L #	98
51) Chlorobenzene	9.444	112	355258	11.693	ug/L	98
52) Ethylbenzene	9.570	91	618344	12.010	ug/L	98
53) m,p-Xylene	9.692	106	234459	12.016	ug/L	99
54) o-Xylene	10.097	106	227726	12.475	ug/L	100
55) Styrene	10.113	104	383836	12.477	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	114251	11.274	ug/L	99
59) Bromoform	10.290	173	60873	9.707	ug/L	94
60) Isopropylbenzene	10.483	105	623705	11.629	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	82913	10.213	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	549628	12.203	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	526529	12.316	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	286343	10.793	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	289732	10.989	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	267230	10.947	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	17597	9.092	ug/L	90
69) 1,3,5-Trichlorobenzene	13.219	180	201098	10.390	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	159019	10.287	ug/L	96
71) Naphthalene	14.084	128	250294	10.377	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	133911	9.853	ug/L	100

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

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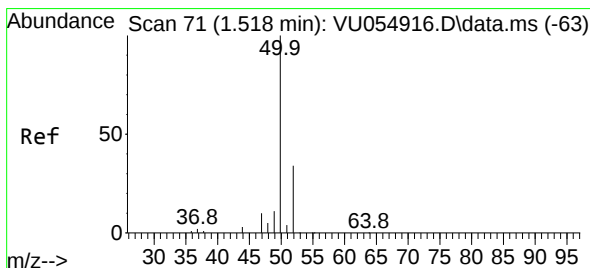
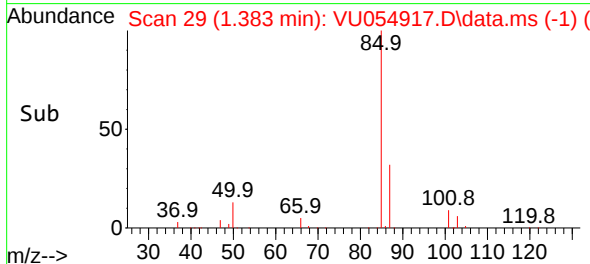
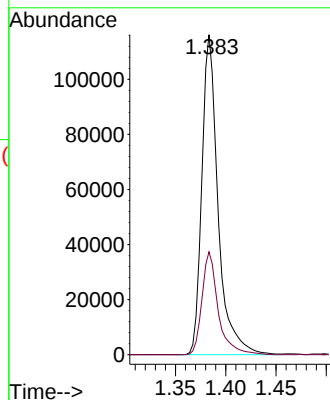
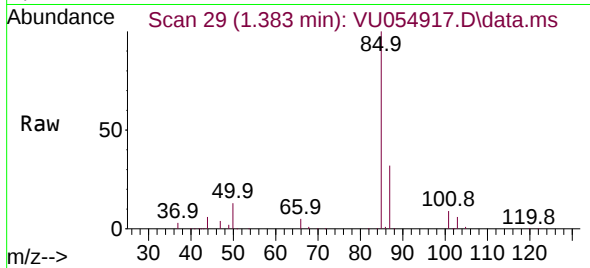




#2
 Dichlorodifluoromethane
 Concen: 8.401 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054917.D
 Acq: 28 Aug 2023 10:49

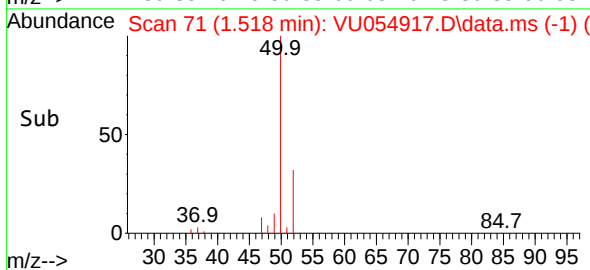
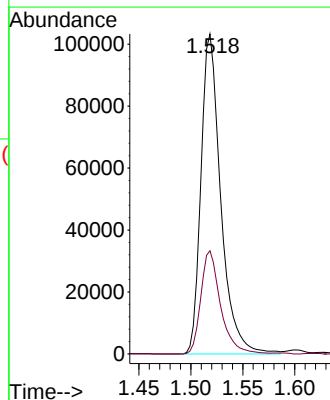
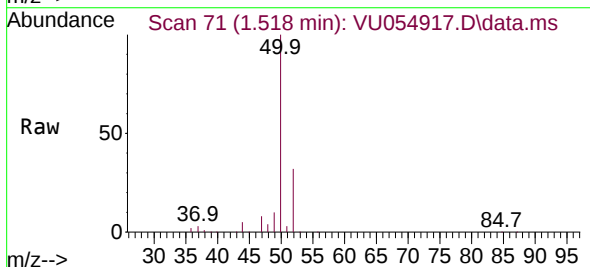
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 MSVOA_U
 ClientSampleId :

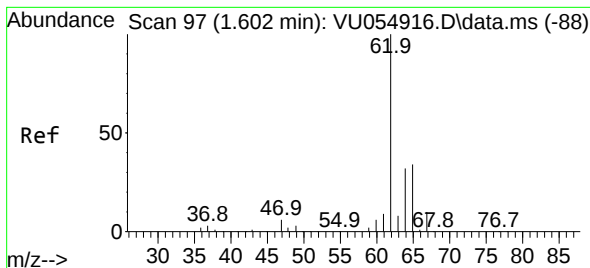
Tgt Ion: 85 Resp: 130111
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.4 38.0



#3
 Chloromethane
 Concen: 8.033 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU054917.D
 Acq: 28 Aug 2023 10:49

Tgt Ion: 50 Resp: 137024
 Ion Ratio Lower Upper
 50 100
 52 32.3 23.4 43.6





#5

Vinyl chloride

Concen: 8.543 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU054917.D

Acq: 28 Aug 2023 10:49

Instrument :

MSVOA_U

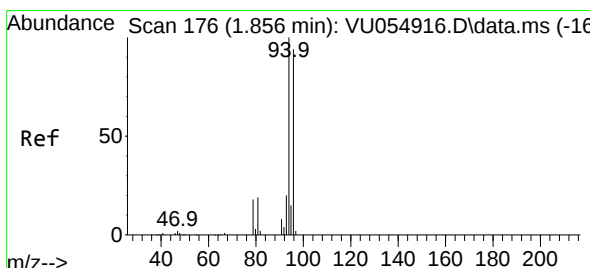
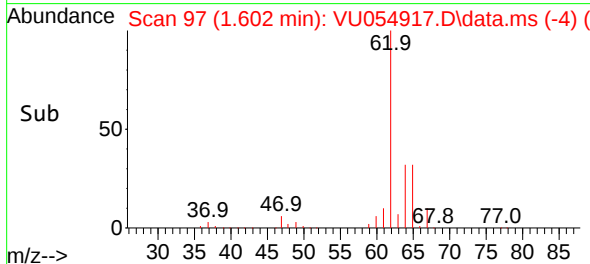
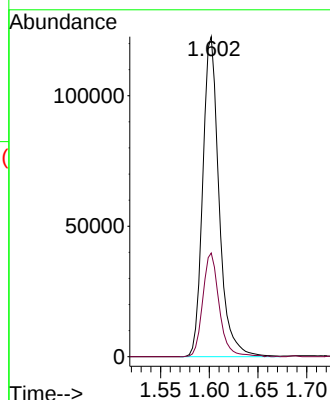
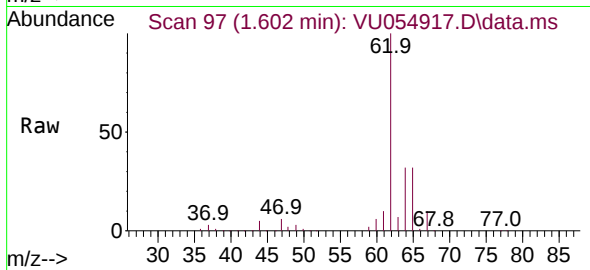
ClientSampleId :

Tgt Ion: 62 Resp: 143062

Ion Ratio Lower Upper

62 100

64 32.4 22.7 42.1



#6

Bromomethane

Concen: 8.850 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.003 min

Lab File: VU054917.D

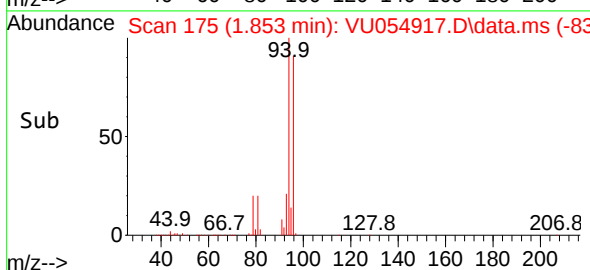
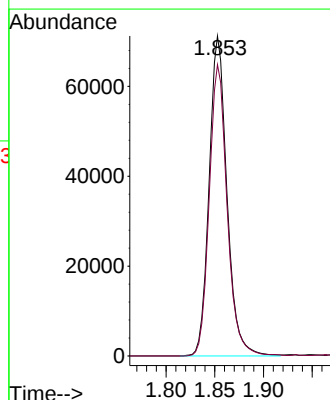
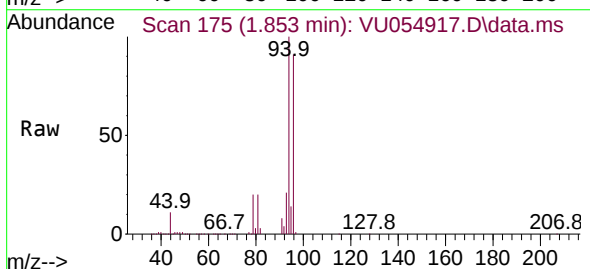
Acq: 28 Aug 2023 10:49

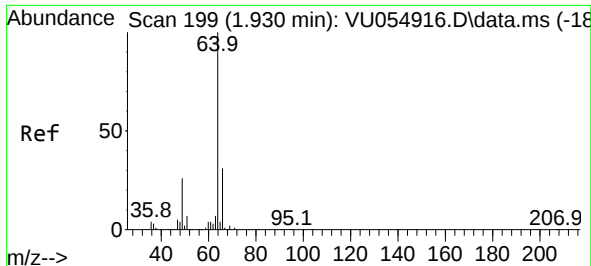
Tgt Ion: 94 Resp: 90613

Ion Ratio Lower Upper

94 100

96 91.1 65.5 121.7

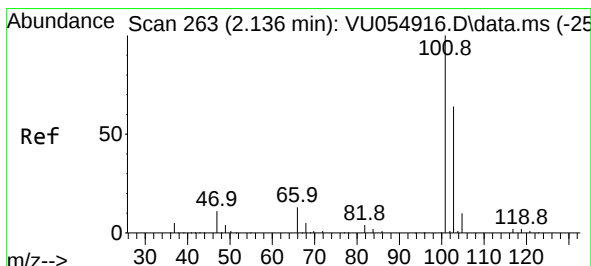
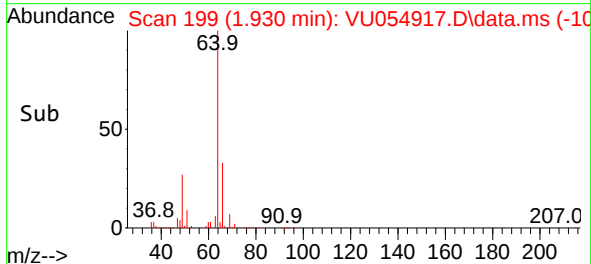
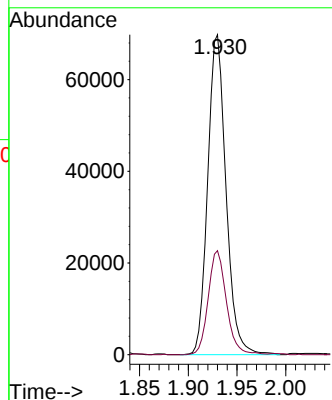
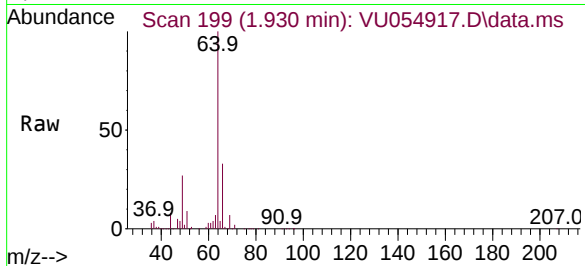




#8
Chloroethane
Concen: 9.325 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

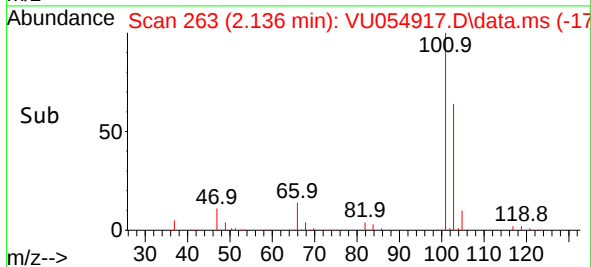
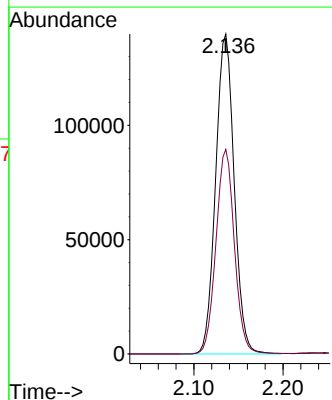
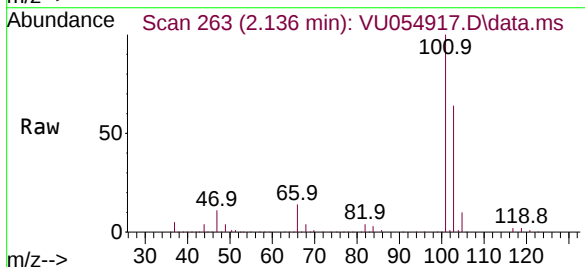
Instrument :
MSVOA_U
ClientSampleId :

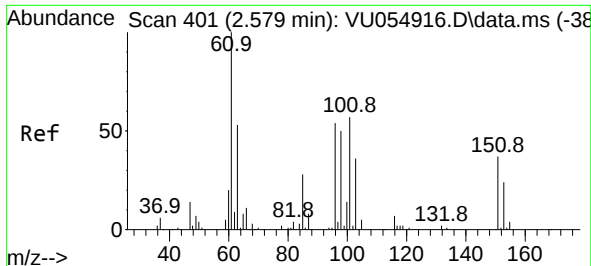
Tgt Ion: 64 Resp: 91100
Ion Ratio Lower Upper
64 100
66 32.5 21.5 39.9



#9
Trichlorofluoromethane
Concen: 9.130 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

Tgt Ion:101 Resp: 202367
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.4

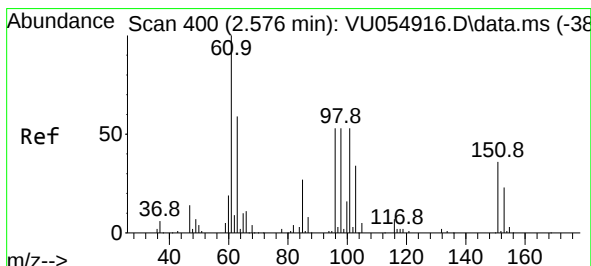
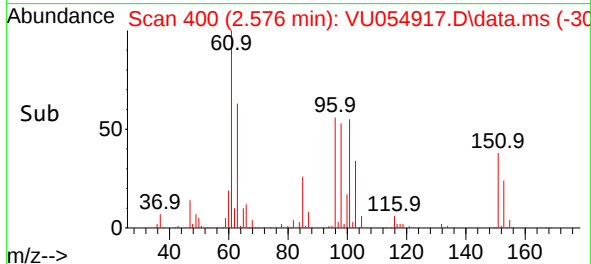
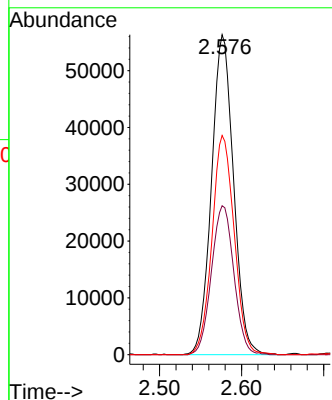
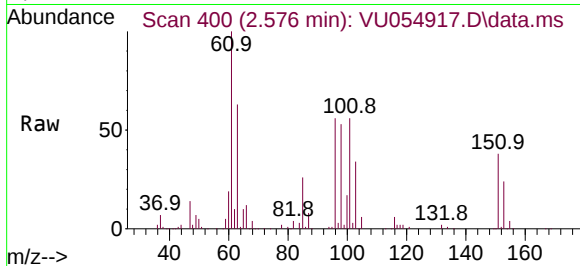




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.328 ug/L
RT: 2.576 min Scan# 401
Delta R.T. -0.003 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

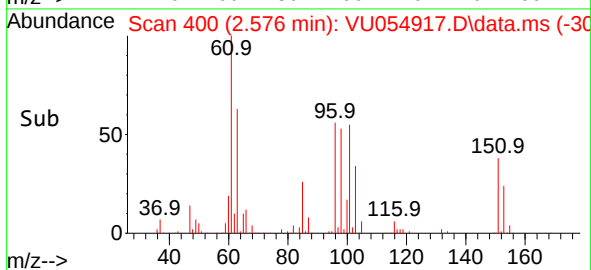
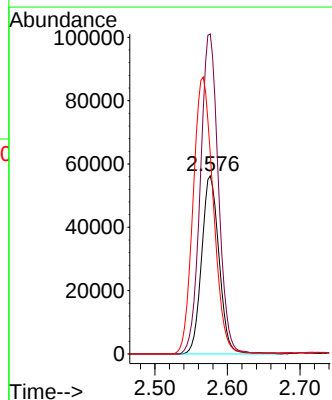
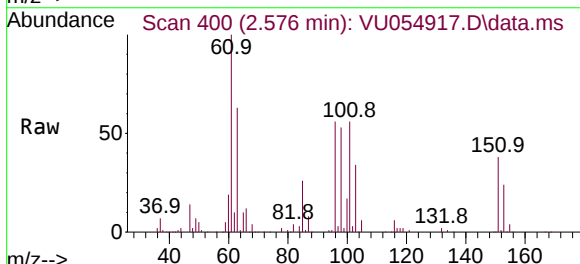
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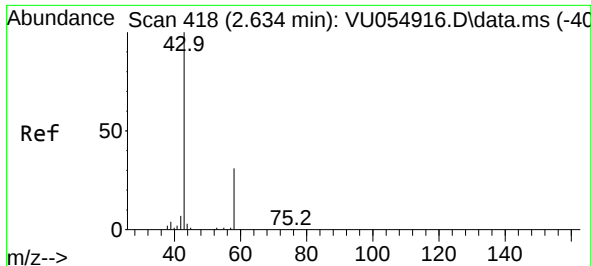
Tgt Ion:101 Resp: 105181
Ion Ratio Lower Upper
101 100
85 47.4 38.3 57.5
151 69.2 51.5 77.3



#12
1,1-Dichloroethene
Concen: 9.047 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

Tgt Ion: 96 Resp: 93864
Ion Ratio Lower Upper
96 100
61 179.6 132.4 245.8
63 112.4 82.5 153.1





#13

Acetone

Concen: 94.282 ug/L

RT: 2.631 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU054917.D

Acq: 28 Aug 2023 10:49

Instrument :

MSVOA_U

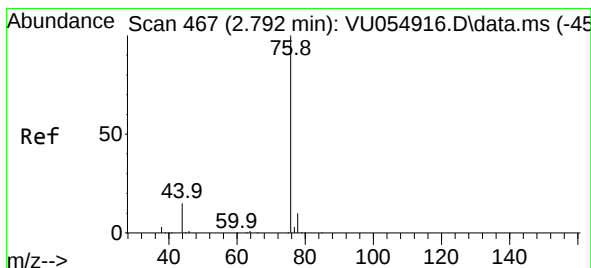
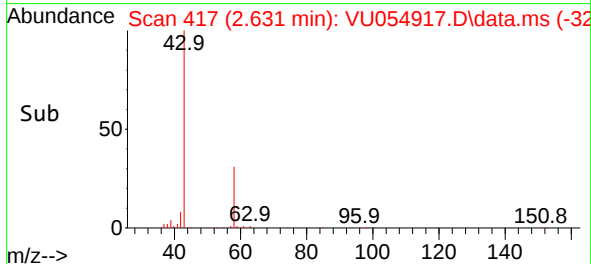
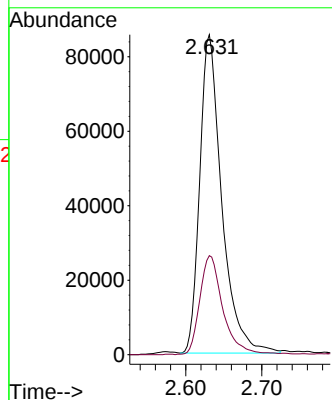
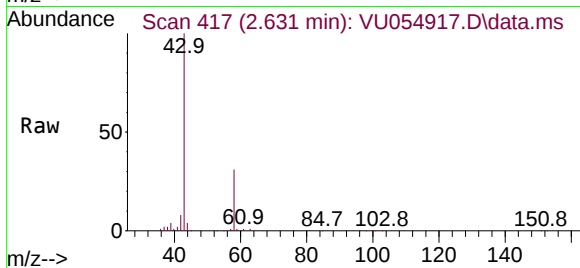
ClientSampleId :

Tgt Ion: 43 Resp: 172137

Ion Ratio Lower Upper

43 100

58 32.7 0.0 64.4



#14

Carbon disulfide

Concen: 7.752 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU054917.D

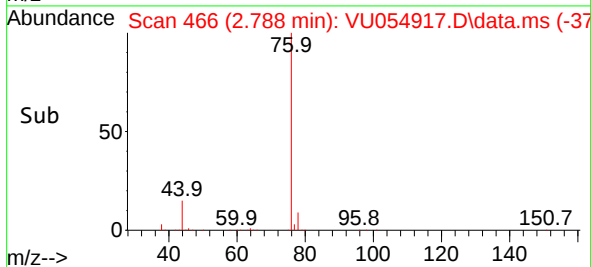
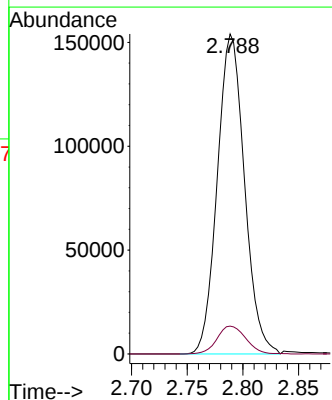
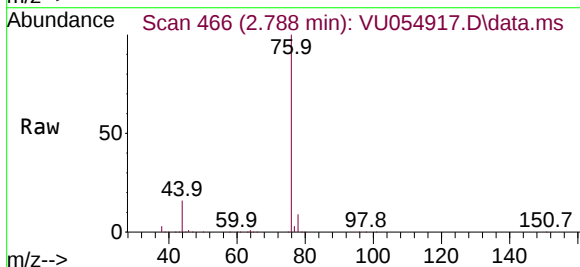
Acq: 28 Aug 2023 10:49

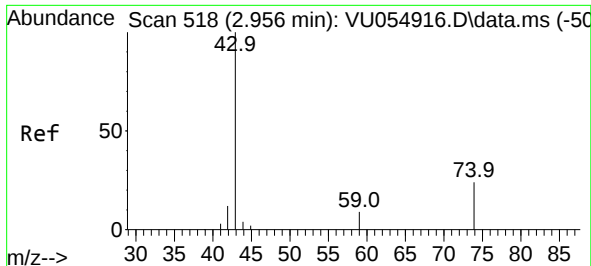
Tgt Ion: 76 Resp: 261221

Ion Ratio Lower Upper

76 100

78 8.7 8.2 12.2

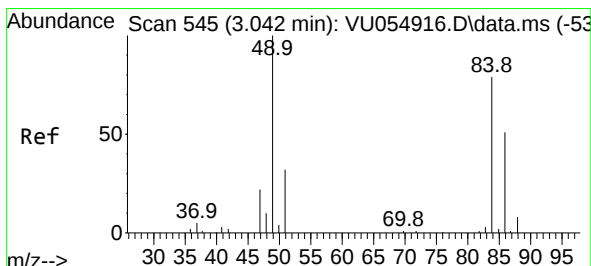
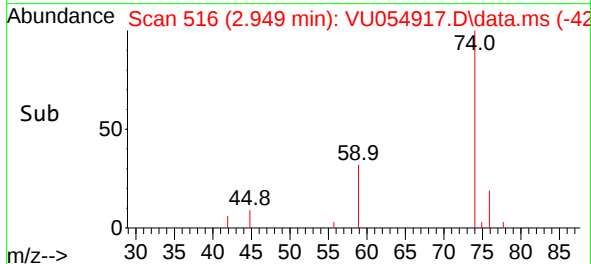
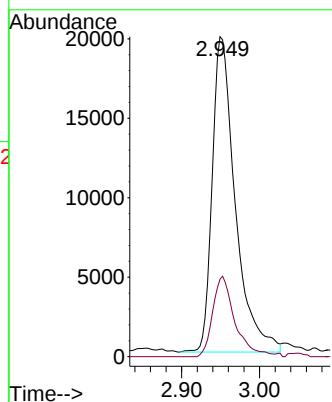
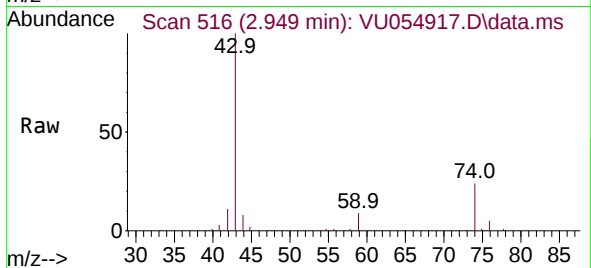




#15
Methyl Acetate
Concen: 9.177 ug/L
RT: 2.949 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

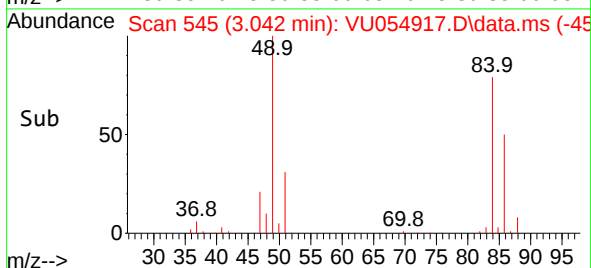
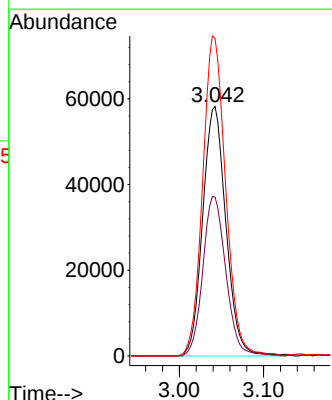
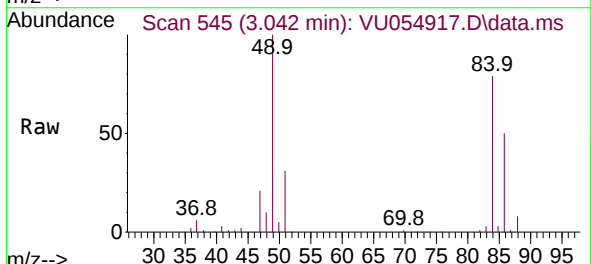
Instrument :
MSVOA_U
ClientSampleId :

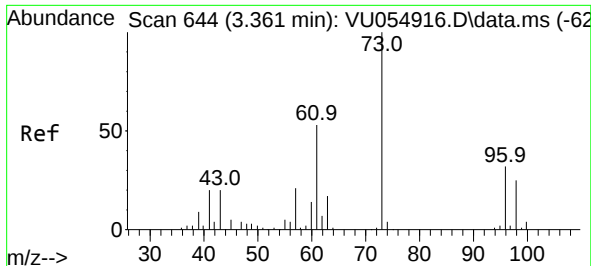
Tgt Ion: 43 Resp: 40789
Ion Ratio Lower Upper
43 100
74 24.5 19.5 29.3



#16
Methylene chloride
Concen: 7.277 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

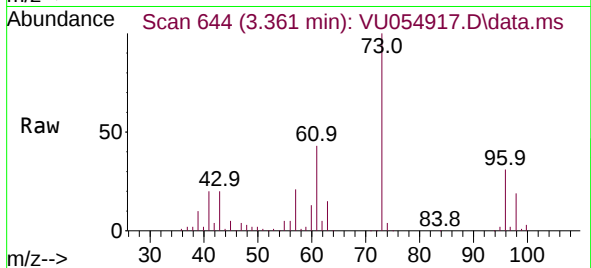
Tgt Ion: 84 Resp: 111672
Ion Ratio Lower Upper
84 100
86 63.7 45.1 83.7
49 127.2 89.5 166.3



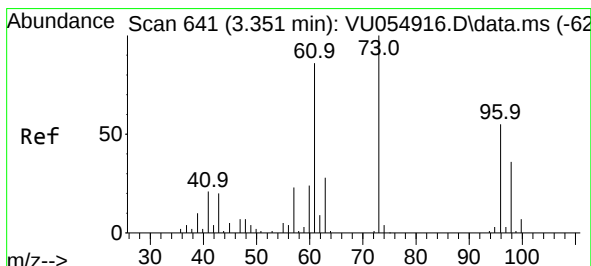
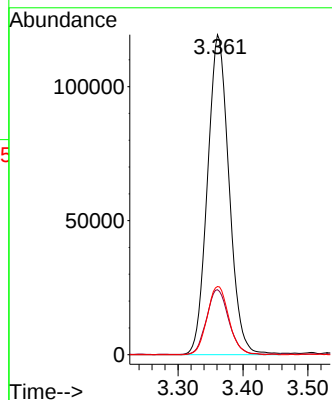
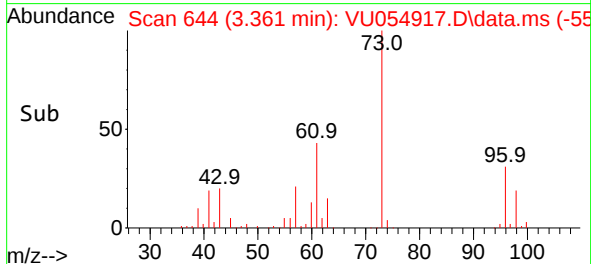


#17
Methyl tert-butyl Ether
Concen: 10.871 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

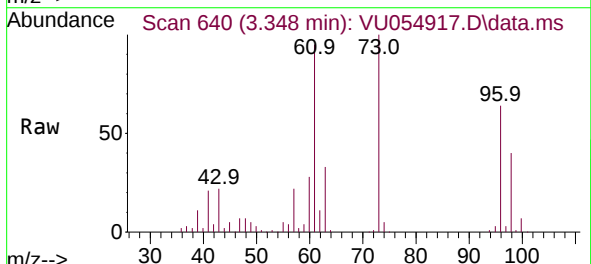
Instrument :
MSVOA_U
ClientSampleId :



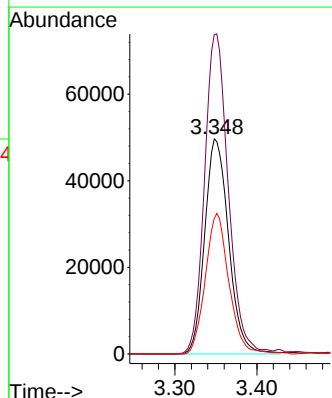
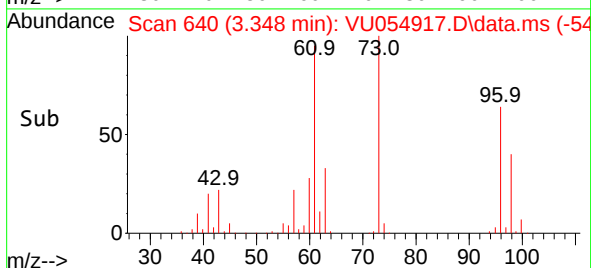
Tgt Ion: 73 Resp: 275245
Ion Ratio Lower Upper
73 100
43 20.8 16.2 24.2
57 21.6 17.4 26.0

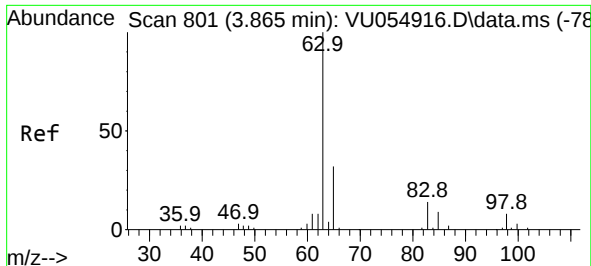


#18
trans-1,2-Dichloroethene
Concen: 9.348 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49



Tgt Ion: 96 Resp: 100696
Ion Ratio Lower Upper
96 100
61 148.7 108.8 202.0
98 63.1 45.8 85.2





#19

1,1-Dichloroethane

Concen: 10.274 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU054917.D

Acq: 28 Aug 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

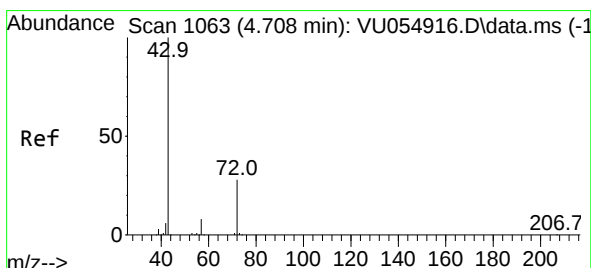
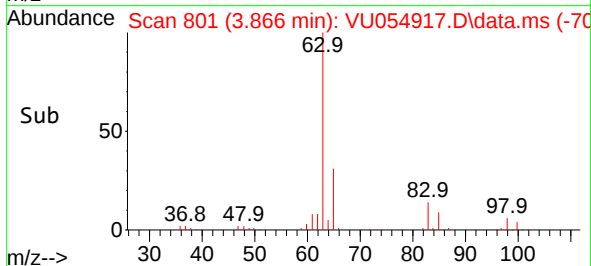
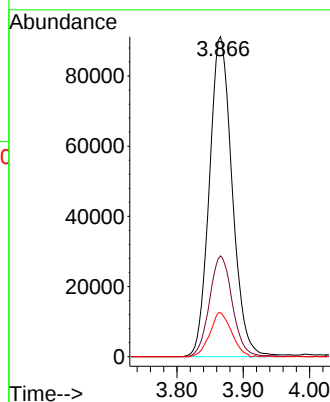
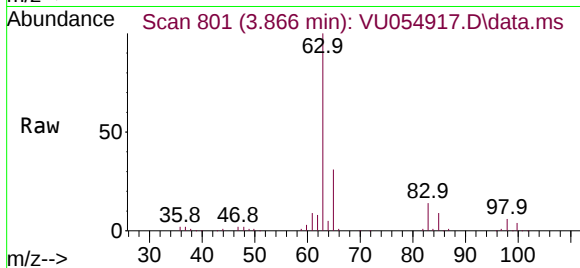
Tgt Ion: 63 Resp: 218069

Ion Ratio Lower Upper

63 100

65 31.5 22.5 41.7

83 13.8 9.5 17.7



#21

2-Butanone

Concen: 107.074 ug/L

RT: 4.705 min Scan# 1062

Delta R.T. -0.003 min

Lab File: VU054917.D

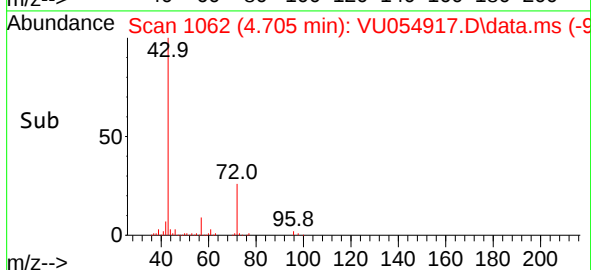
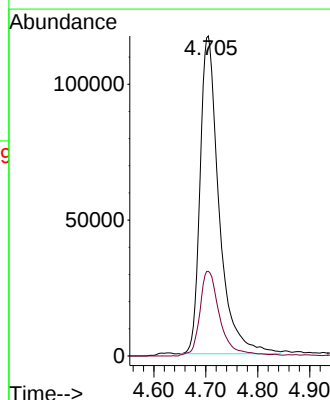
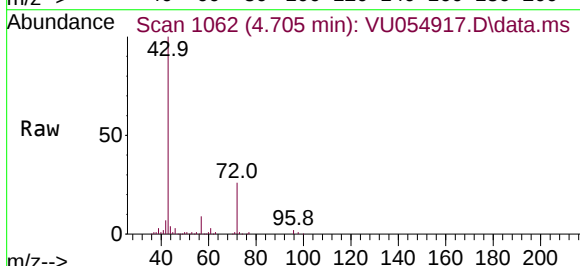
Acq: 28 Aug 2023 10:49

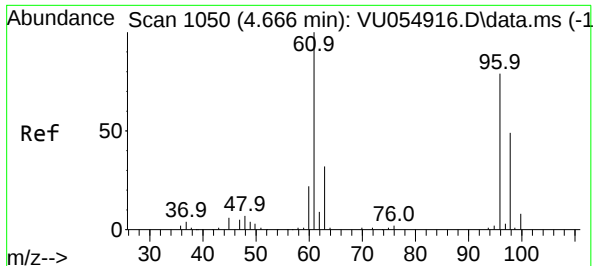
Tgt Ion: 43 Resp: 296519

Ion Ratio Lower Upper

43 100

72 28.2 14.1 42.3



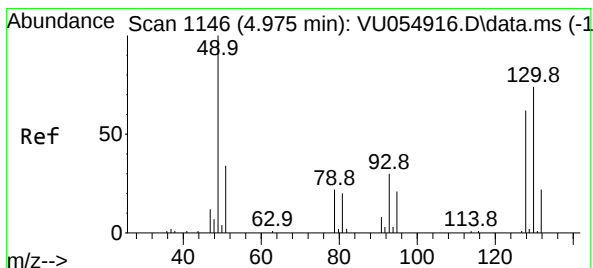
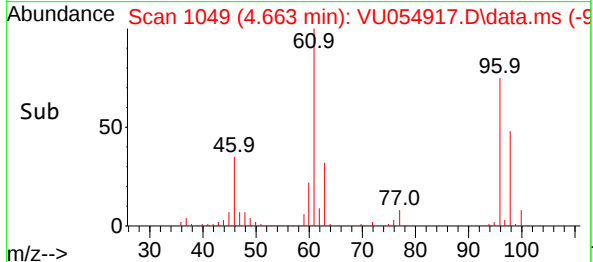
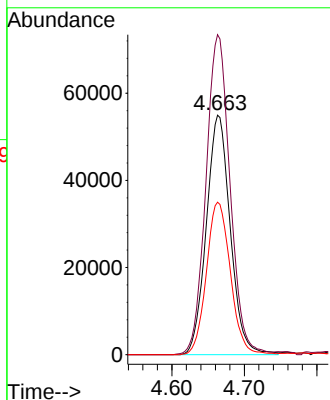
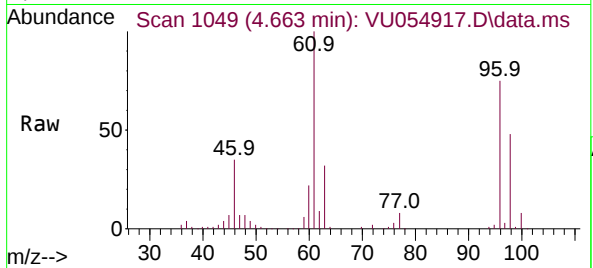


#22
 cis-1,2-Dichloroethene
 Concen: 10.465 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.003 min
 Lab File: VU054917.D
 Acq: 28 Aug 2023 10:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 96 Resp: 126369

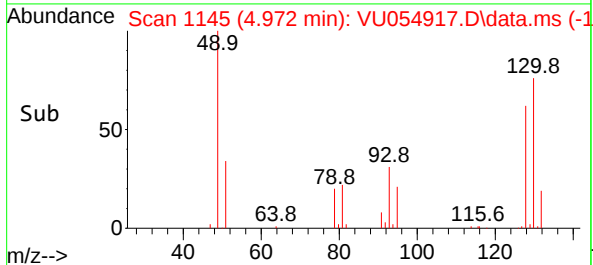
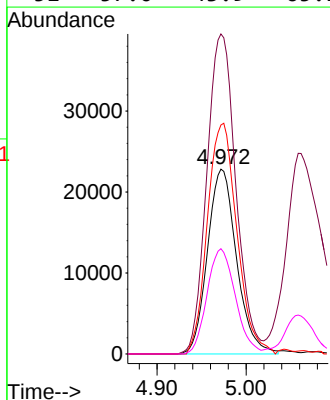
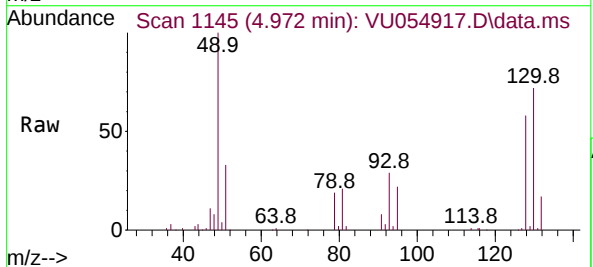
Ion	Ratio	Lower	Upper
96	100		
61	133.6	88.4	164.2
98	63.7	44.0	81.6

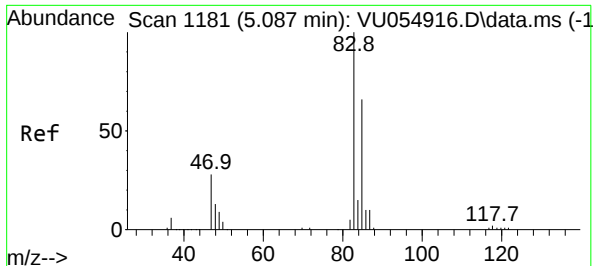


#23
 Bromochloromethane
 Concen: 9.857 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. -0.003 min
 Lab File: VU054917.D
 Acq: 28 Aug 2023 10:49

Tgt Ion: 128 Resp: 51737

Ion	Ratio	Lower	Upper
128	100		
49	173.2	113.8	211.3
130	123.9	83.9	155.7
51	57.0	43.9	65.9





#25

Chloroform

Concen: 10.359 ug/L

RT: 5.084 min Scan# 1181

Delta R.T. -0.003 min

Lab File: VU054917.D

Acq: 28 Aug 2023 10:49

Instrument :

MSVOA_U

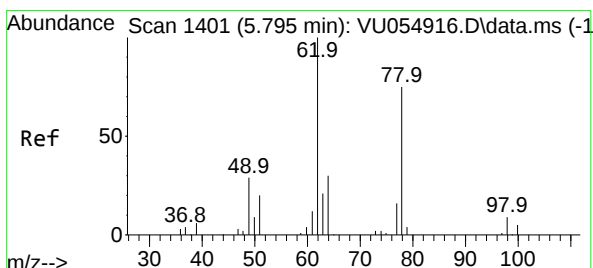
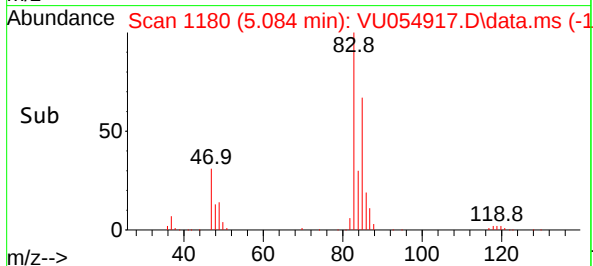
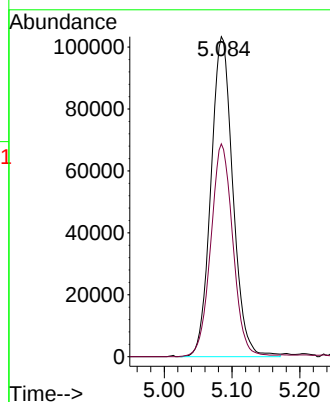
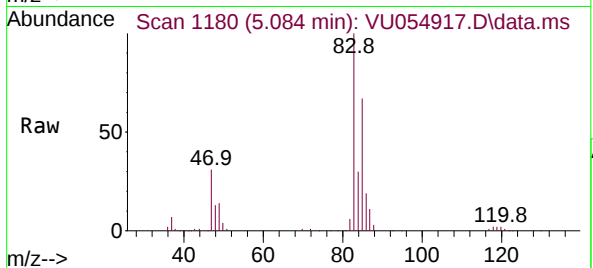
ClientSampleId :

Tgt Ion: 83 Resp: 232556

Ion Ratio Lower Upper

83 100

85 66.5 46.7 86.7



#27

1,2-Dichloroethane

Concen: 10.270 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. -0.003 min

Lab File: VU054917.D

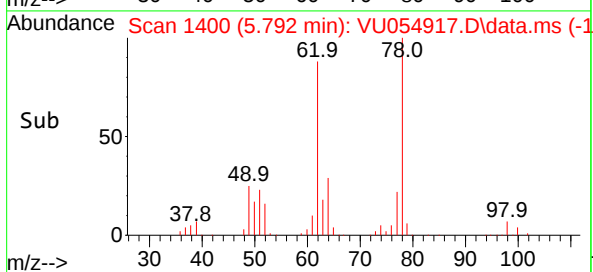
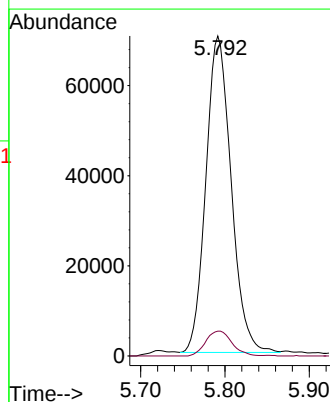
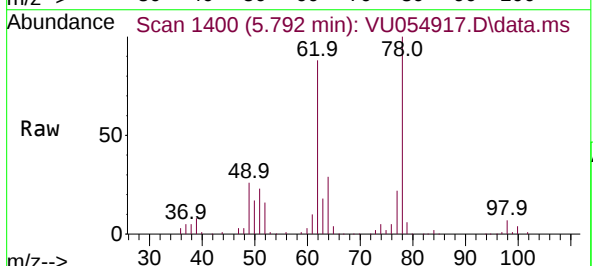
Acq: 28 Aug 2023 10:49

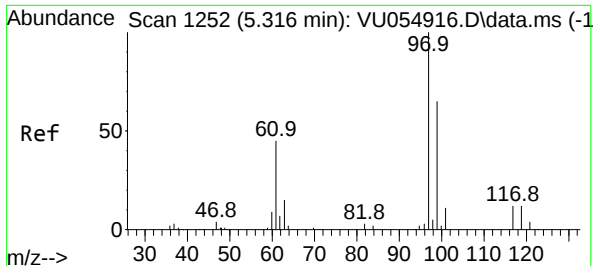
Tgt Ion: 62 Resp: 146477

Ion Ratio Lower Upper

62 100

98 7.8 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 10.427 ug/L

RT: 5.312 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU054917.D

Acq: 28 Aug 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

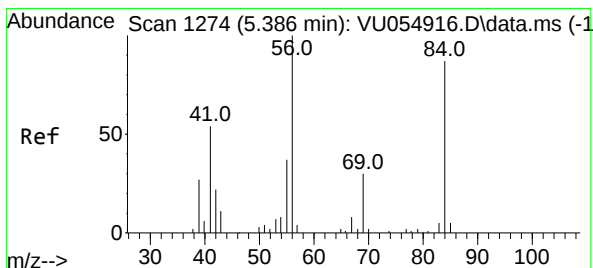
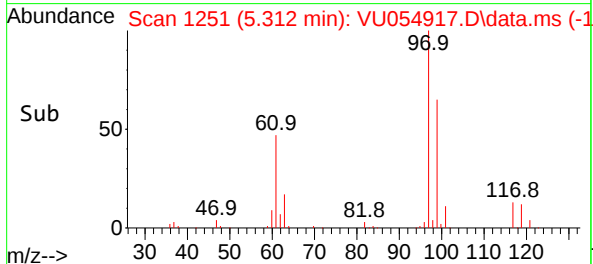
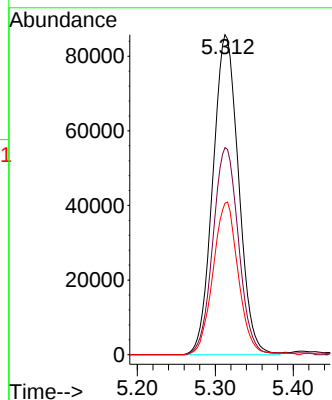
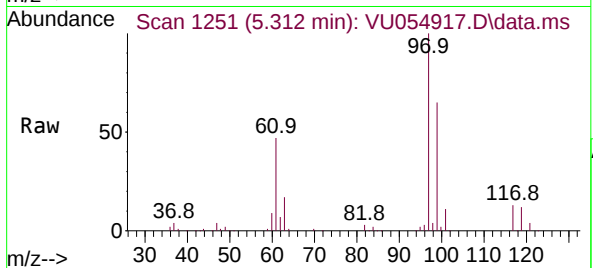
Tgt Ion: 97 Resp: 196726

Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

61 46.6 37.2 55.8



#30

Cyclohexane

Concen: 10.626 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. 0.000 min

Lab File: VU054917.D

Acq: 28 Aug 2023 10:49

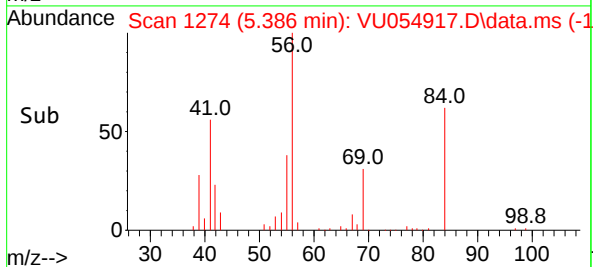
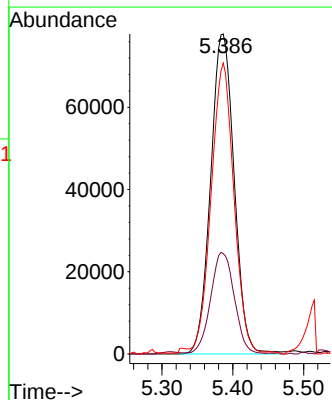
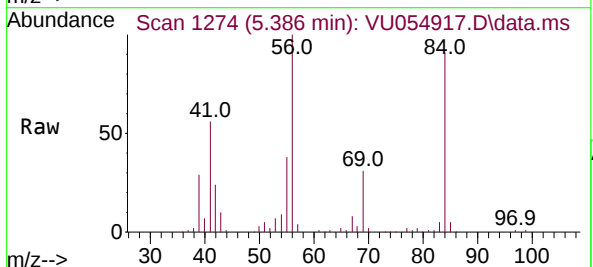
Tgt Ion: 56 Resp: 179600

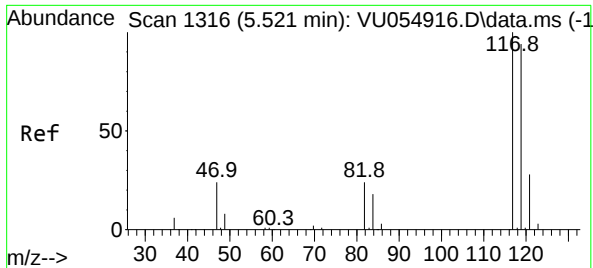
Ion Ratio Lower Upper

56 100

69 31.6 24.5 36.7

84 86.3 71.3 106.9

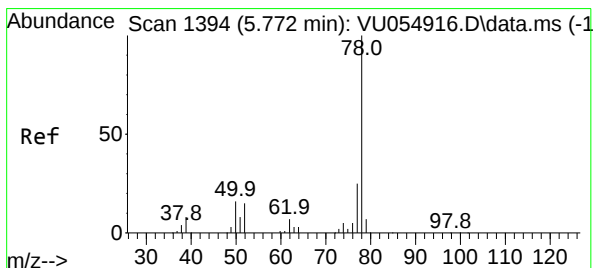
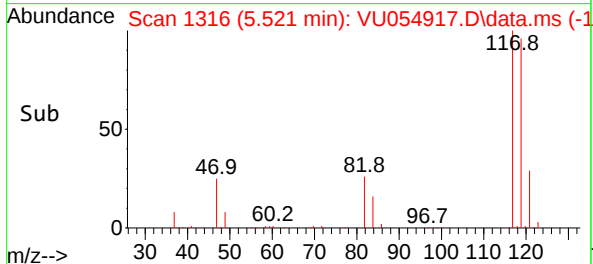
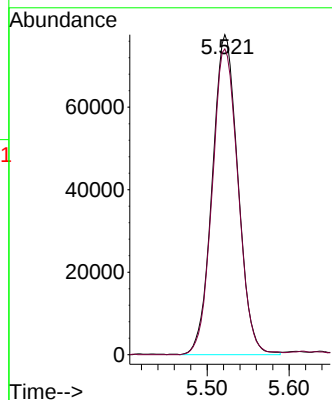
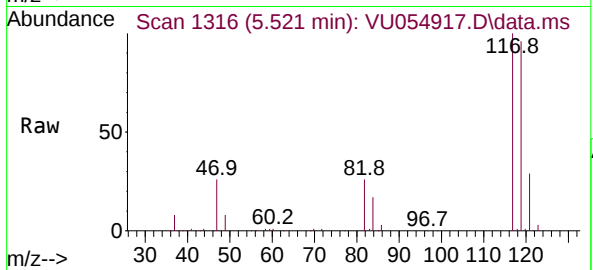




#31
Carbon tetrachloride
Concen: 10.069 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

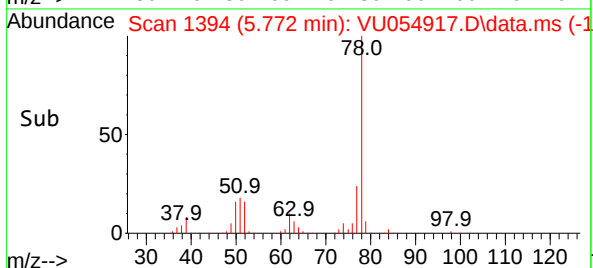
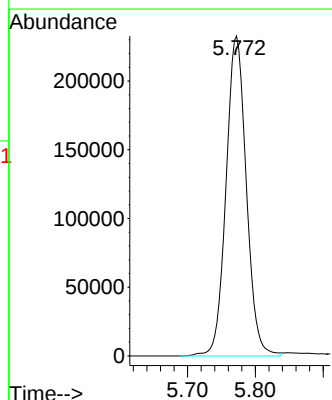
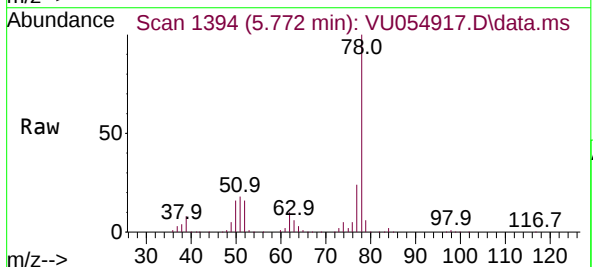
Instrument :
MSVOA_U
ClientSampleId :

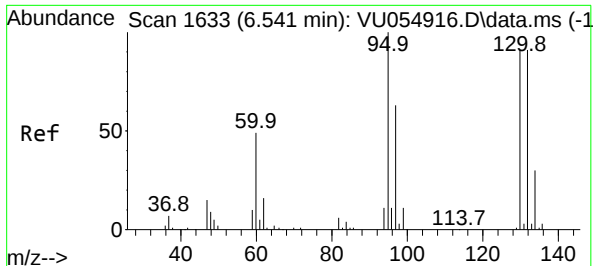
Tgt Ion:117 Resp: 169040
Ion Ratio Lower Upper
117 100
119 96.3 76.6 115.0



#33
Benzene
Concen: 10.924 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

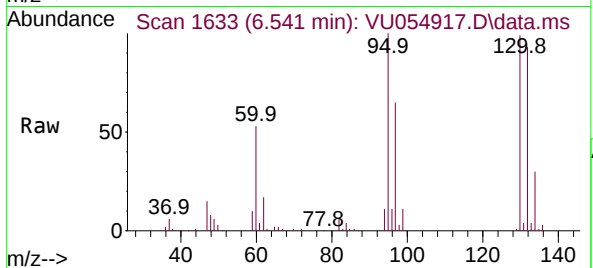
Tgt Ion: 78 Resp: 483757



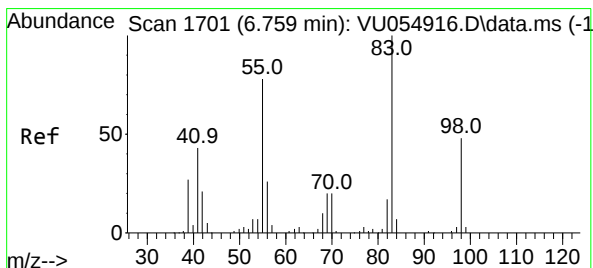
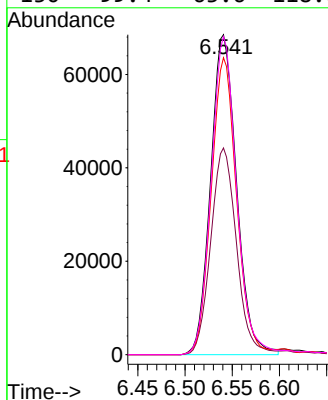
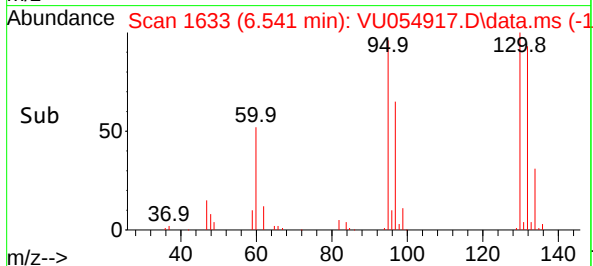


#34
Trichloroethene
Concen: 10.515 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

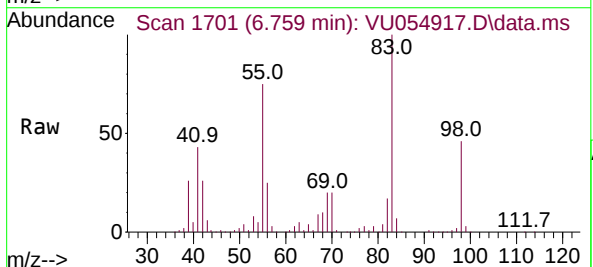
Instrument :
MSVOA_U
ClientSampleId :



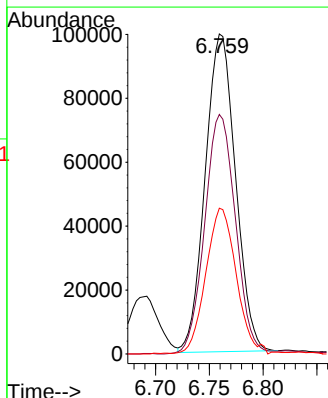
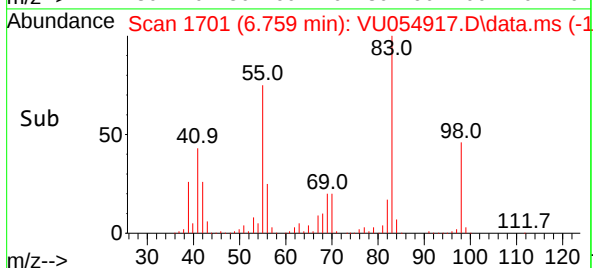
Tgt Ion: 95 Resp: 130965
Ion Ratio Lower Upper
95 100
97 64.6 44.1 81.9
132 92.8 63.6 118.2
130 99.4 63.6 118.0

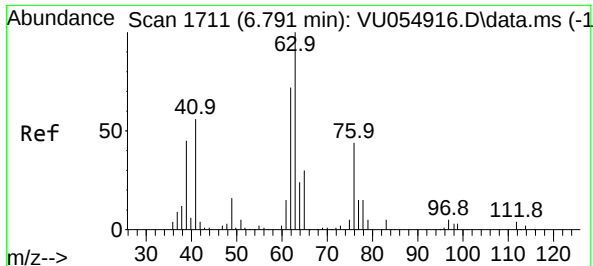


#35
Methylcyclohexane
Concen: 11.137 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49



Tgt Ion: 83 Resp: 195167
Ion Ratio Lower Upper
83 100
55 76.6 62.1 93.1
98 45.6 37.8 56.6





#37

1,2-Dichloropropane

Concen: 11.334 ug/L

RT: 6.788 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054917.D

Acq: 28 Aug 2023 10:49

Instrument :

MSVOA_U

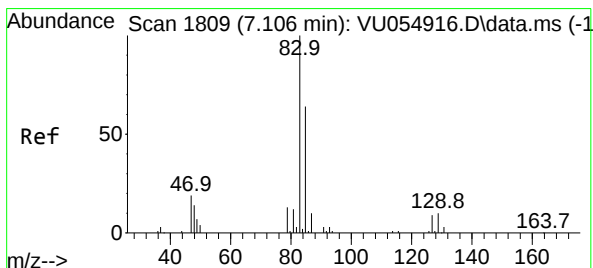
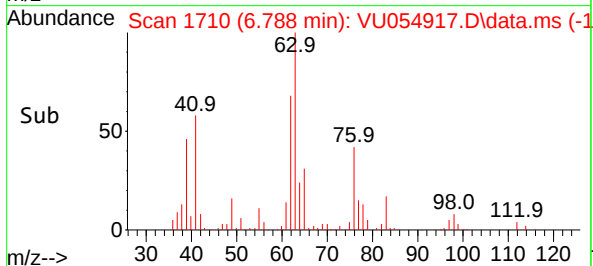
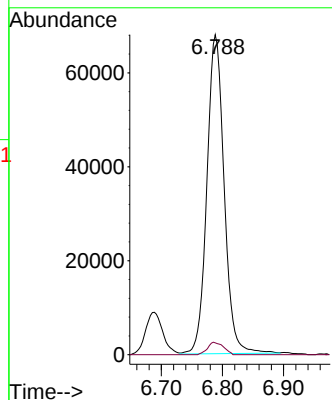
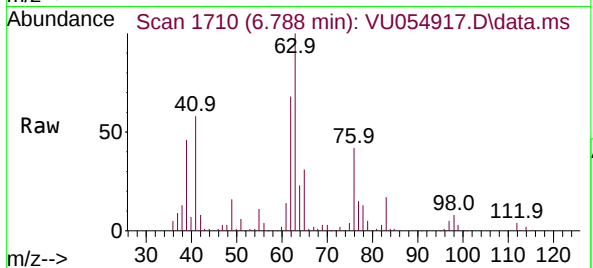
ClientSampleId :

Tgt Ion: 63 Resp: 133357

Ion Ratio Lower Upper

63 100

112 3.6 2.7 4.1



#38

Bromodichloromethane

Concen: 10.893 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. -0.003 min

Lab File: VU054917.D

Acq: 28 Aug 2023 10:49

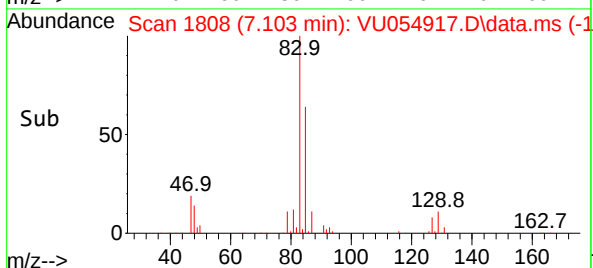
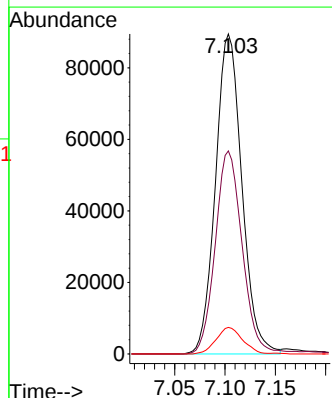
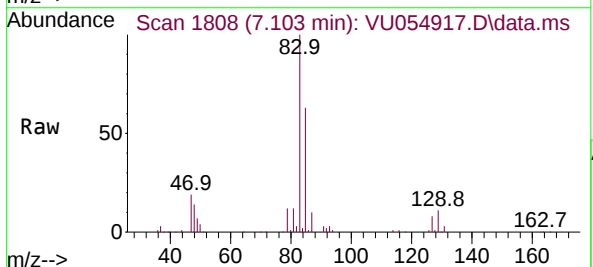
Tgt Ion: 83 Resp: 163463

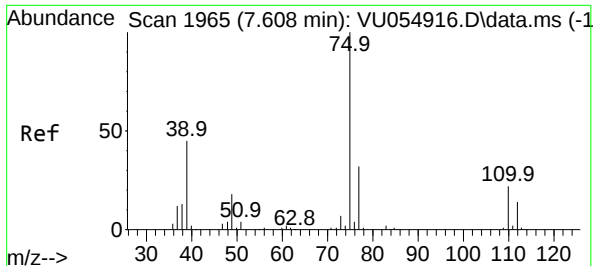
Ion Ratio Lower Upper

83 100

85 63.5 45.1 83.7

127 8.3 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 11.333 ug/L

RT: 7.605 min Scan# 1965

Delta R.T. -0.003 min

Lab File: VU054917.D

Acq: 28 Aug 2023 10:49

Instrument :

MSVOA_U

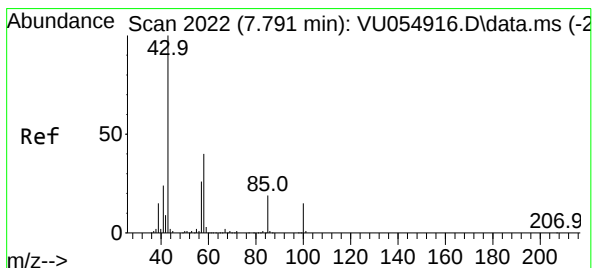
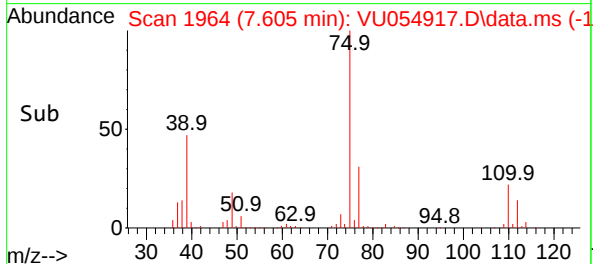
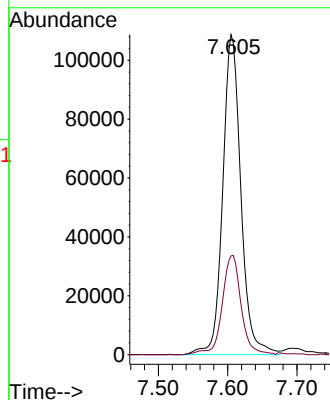
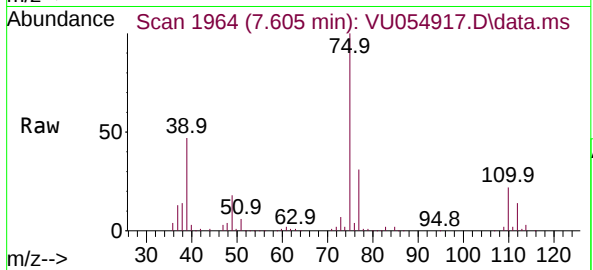
ClientSampleId :

Tgt Ion: 75 Resp: 198685

Ion Ratio Lower Upper

75 100

77 30.9 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 117.802 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.003 min

Lab File: VU054917.D

Acq: 28 Aug 2023 10:49

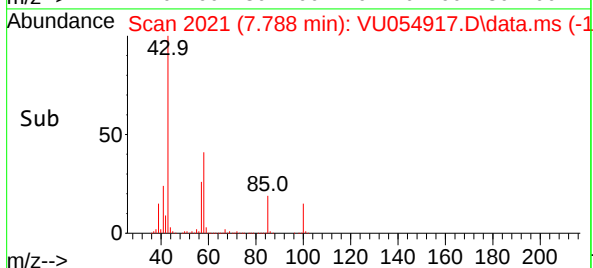
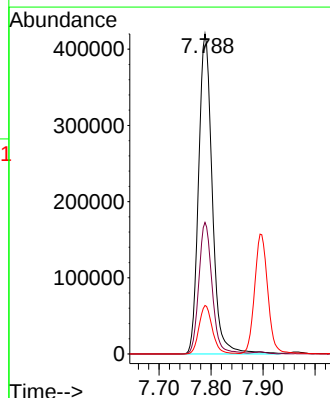
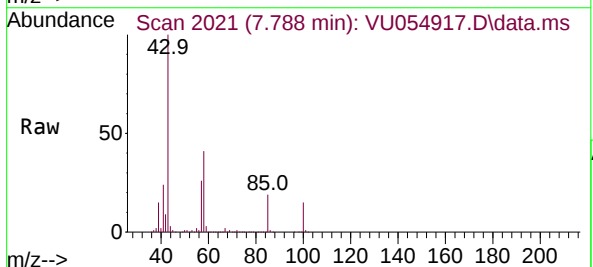
Tgt Ion: 43 Resp: 769438

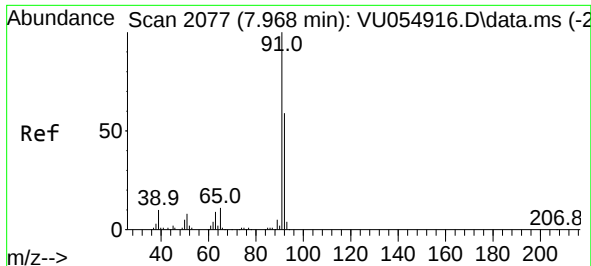
Ion Ratio Lower Upper

43 100

58 39.9 32.1 48.1

100 14.8 11.8 17.6





#42

Toluene

Concen: 11.414 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.000 min

Lab File: VU054917.D

Acq: 28 Aug 2023 10:49

Instrument :

MSVOA_U

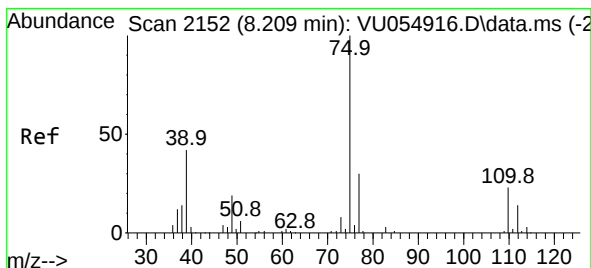
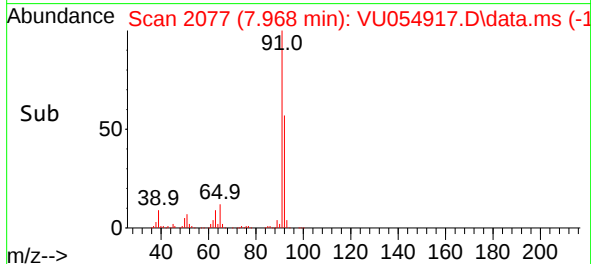
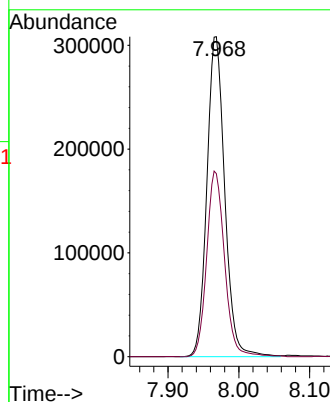
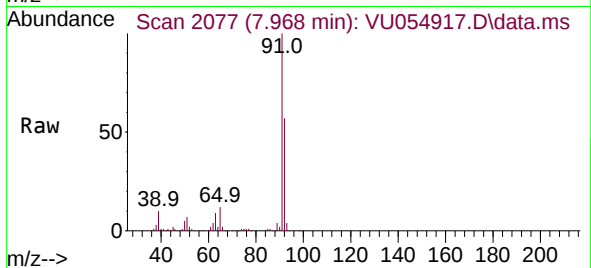
ClientSampleId :

Tgt Ion: 91 Resp: 538617

Ion Ratio Lower Upper

91 100

92 57.2 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 11.229 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VU054917.D

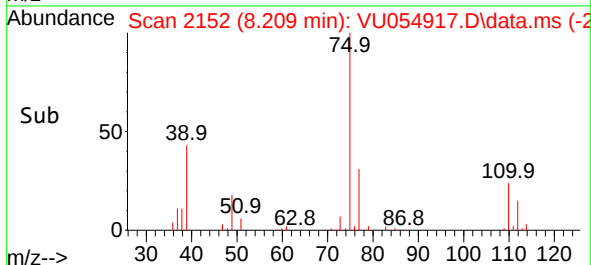
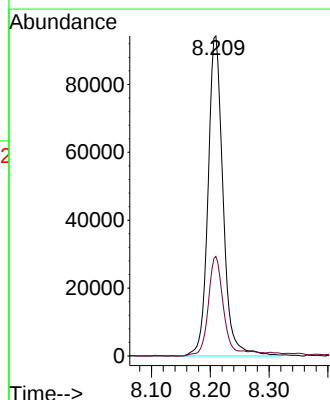
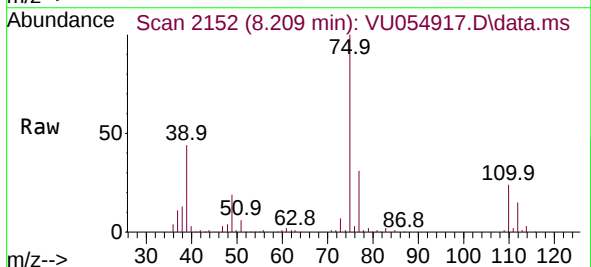
Acq: 28 Aug 2023 10:49

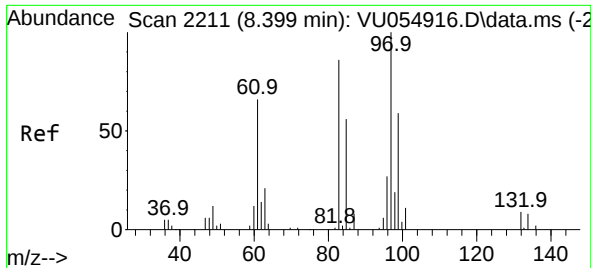
Tgt Ion: 75 Resp: 167349

Ion Ratio Lower Upper

75 100

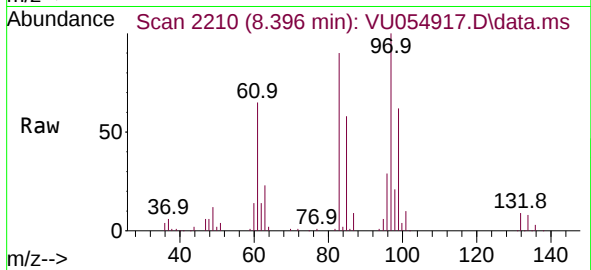
77 31.1 21.3 39.5



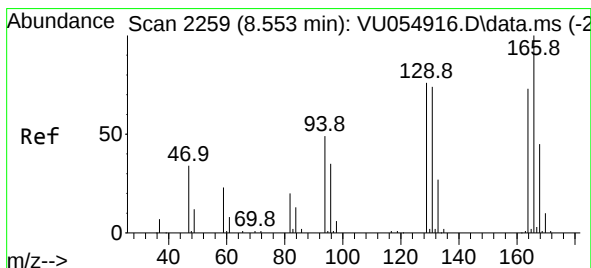
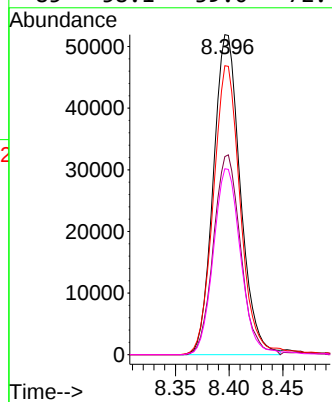
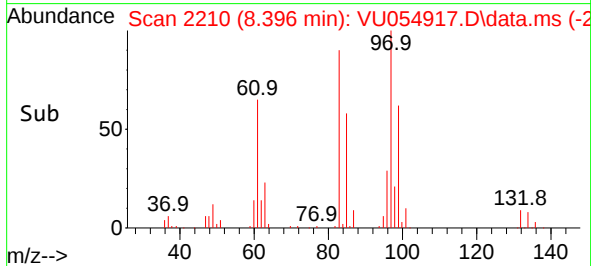


#45
1,1,2-Trichloroethane
Concen: 10.771 ug/L
RT: 8.396 min Scan# 211
Delta R.T. -0.003 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

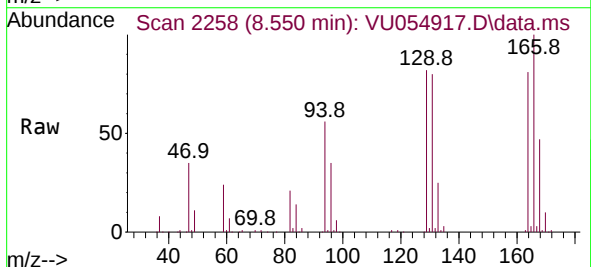
Instrument :
MSVOA_U
ClientSampleId :



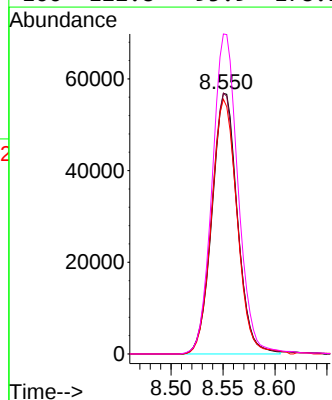
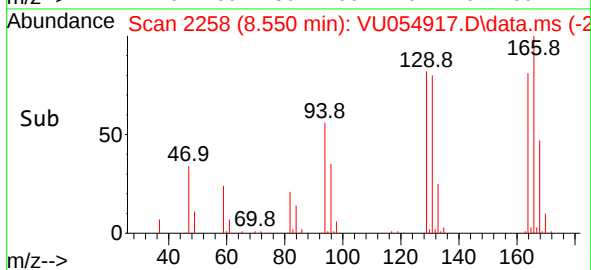
Tgt Ion:	97	Resp:	90774
Ion	Ratio	Lower	Upper
97	100		
99	61.9	41.5	77.1
83	90.3	59.8	111.1
85	58.1	39.0	72.4

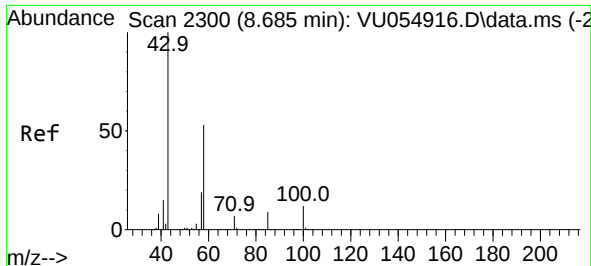


#47
Tetrachloroethene
Concen: 9.861 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.003 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49



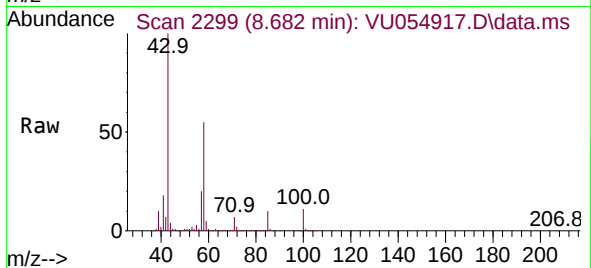
Tgt Ion:	164	Resp:	96262
Ion	Ratio	Lower	Upper
164	100		
129	100.1	72.8	135.2
131	97.7	70.7	131.3
166	122.8	95.9	178.1





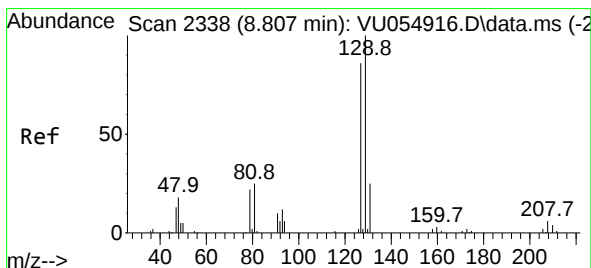
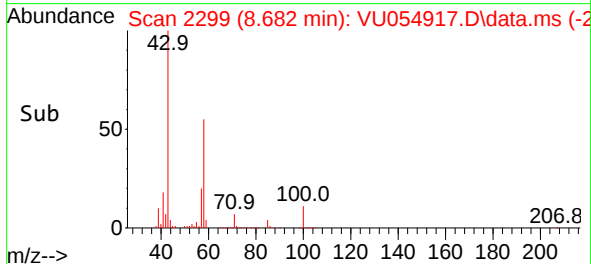
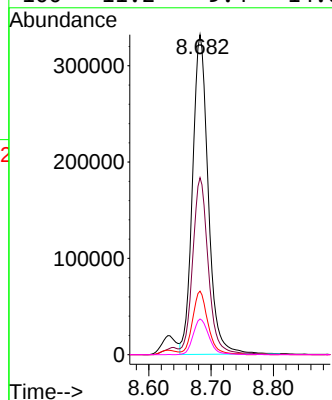
#48
2-Hexanone
Concen: 123.549 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 579881

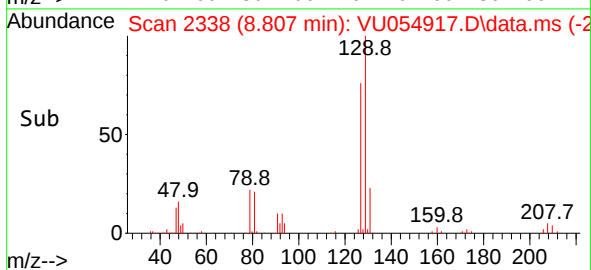
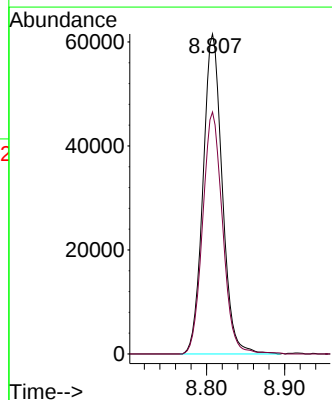
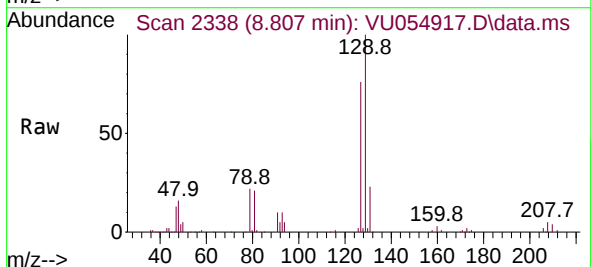
Ion	Ratio	Lower	Upper
43	100		
58	55.1	44.0	66.0
57	19.6	15.9	23.9
100	11.2	9.4	14.0

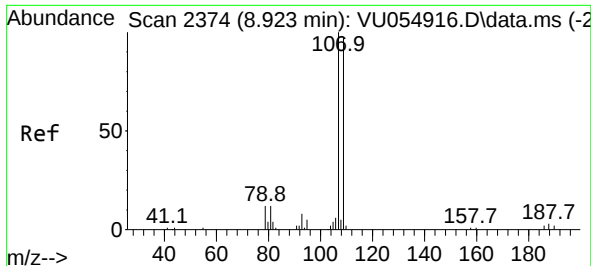


#49
Dibromochloromethane
Concen: 11.045 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

Tgt Ion: 129 Resp: 105390

Ion	Ratio	Lower	Upper
129	100		
127	75.6	60.5	112.5





#50

1,2-Dibromoethane

Concen: 10.999 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.003 min

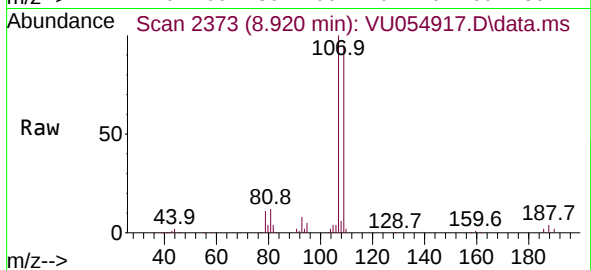
Lab File: VU054917.D

Acq: 28 Aug 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :



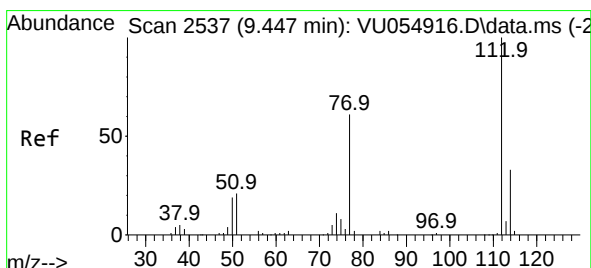
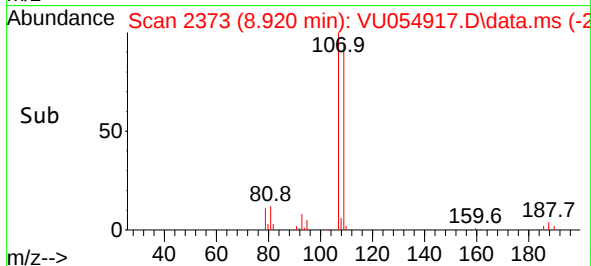
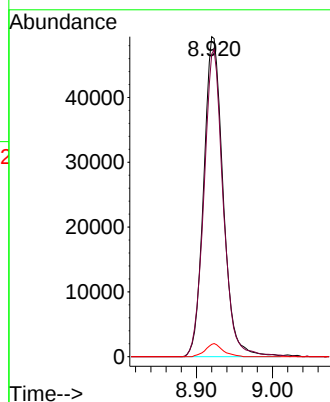
Tgt Ion:107 Resp: 87343

Ion Ratio Lower Upper

107 100

109 94.6 67.8 125.8

188 3.9 2.5 3.7#



#51

Chlorobenzene

Concen: 11.693 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.003 min

Lab File: VU054917.D

Acq: 28 Aug 2023 10:49

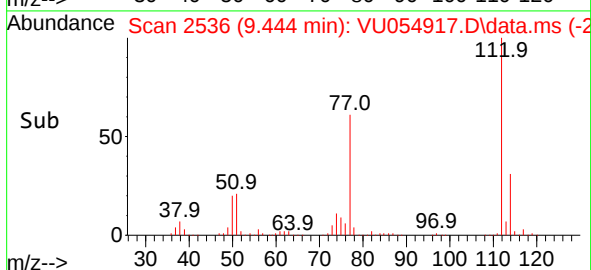
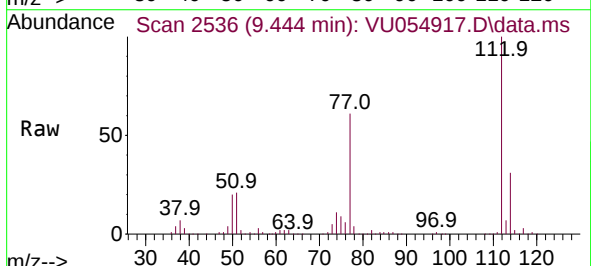
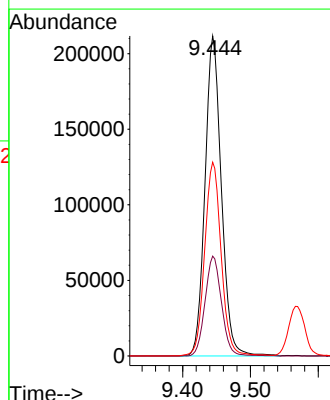
Tgt Ion:112 Resp: 355258

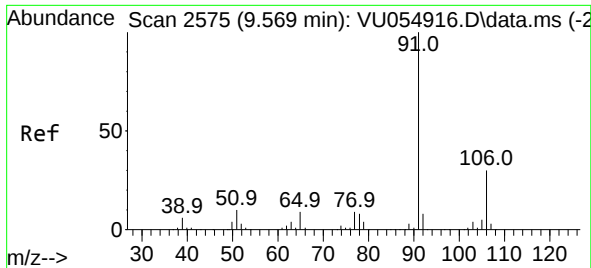
Ion Ratio Lower Upper

112 100

114 31.2 23.4 43.4

77 60.6 49.3 73.9

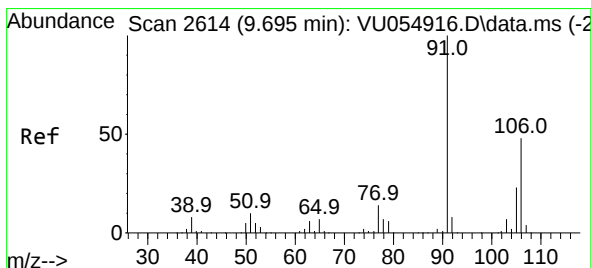
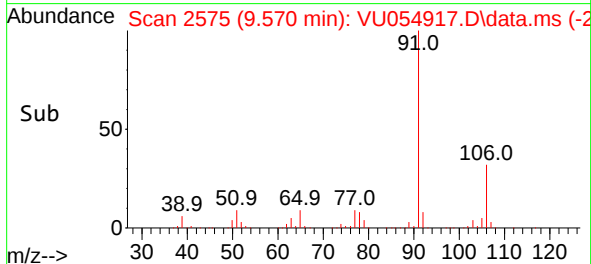
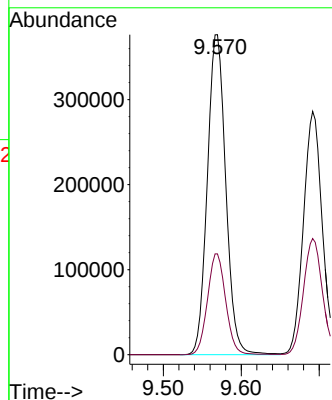
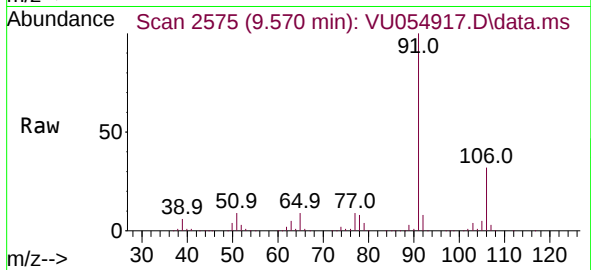




#52
Ethylbenzene
Concen: 12.010 ug/L
RT: 9.570 min Scan# 2575
Delta R.T. 0.000 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

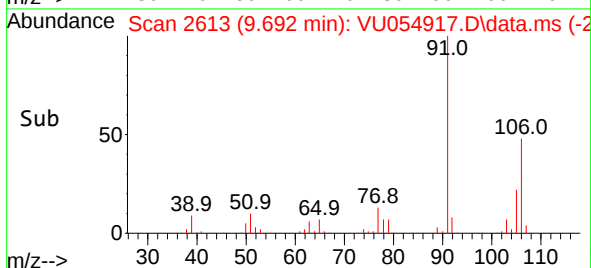
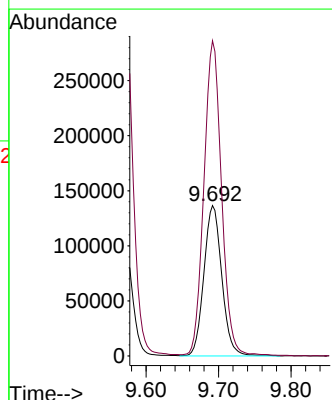
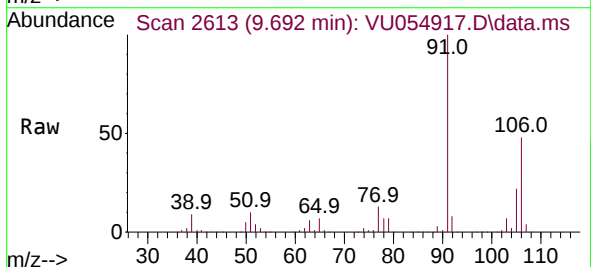
Instrument :
MSVOA_U
ClientSampleId :

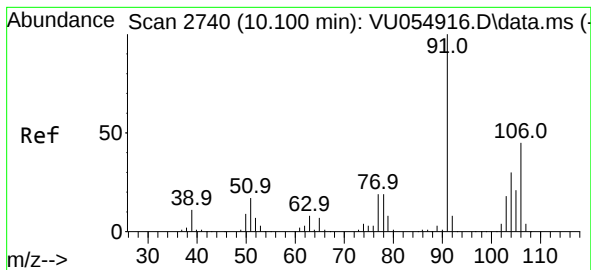
Tgt Ion: 91 Resp: 618344
Ion Ratio Lower Upper
91 100
106 31.5 21.2 39.4



#53
m,p-Xylene
Concen: 12.016 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.003 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

Tgt Ion:106 Resp: 234459
Ion Ratio Lower Upper
106 100
91 209.5 147.7 274.3





#54

o-Xylene

Concen: 12.475 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU054917.D

Acq: 28 Aug 2023 10:49

Instrument :

MSVOA_U

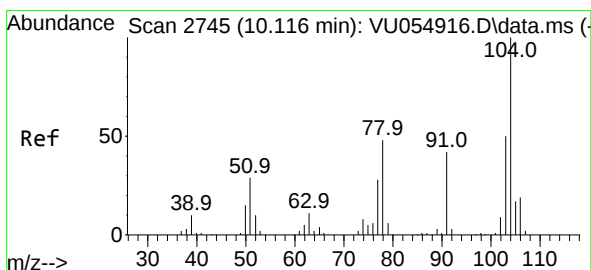
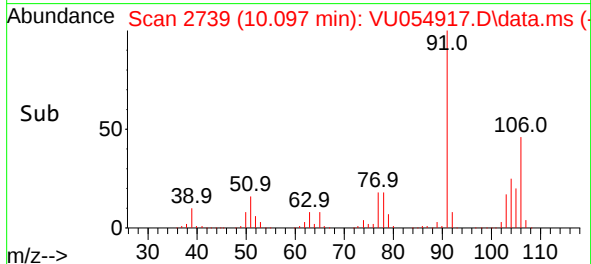
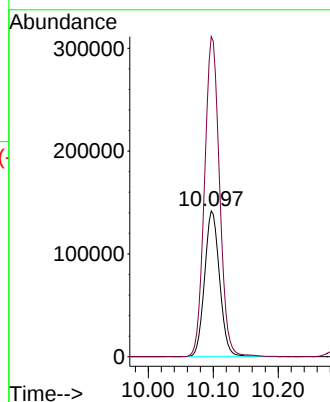
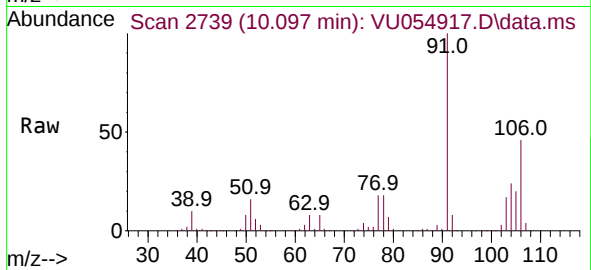
ClientSampleId :

Tgt Ion:106 Resp: 227726

Ion Ratio Lower Upper

106 100

91 219.6 154.2 286.4



#55

Styrene

Concen: 12.477 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. -0.003 min

Lab File: VU054917.D

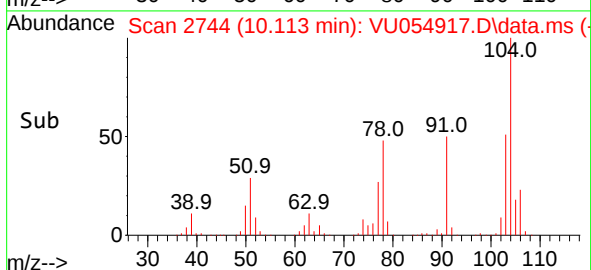
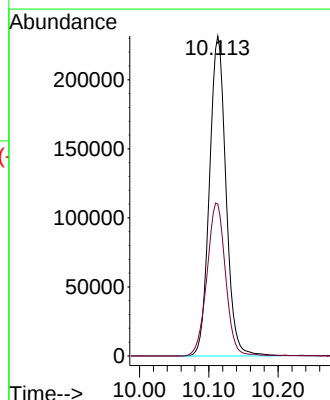
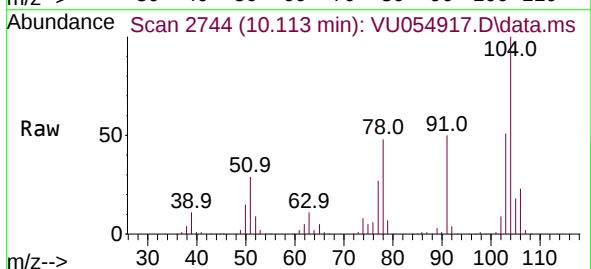
Acq: 28 Aug 2023 10:49

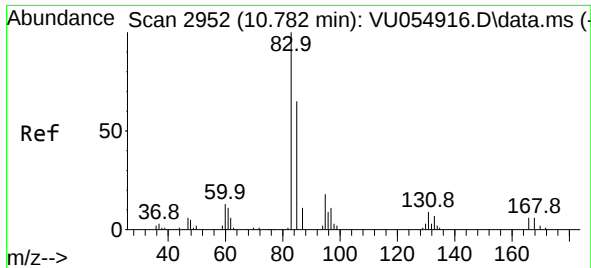
Tgt Ion:104 Resp: 383836

Ion Ratio Lower Upper

104 100

78 47.5 33.7 62.7

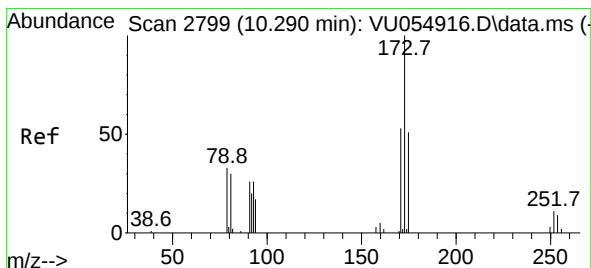
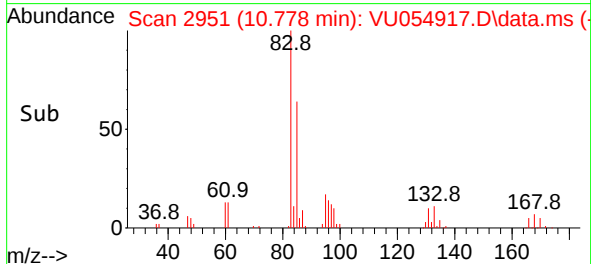
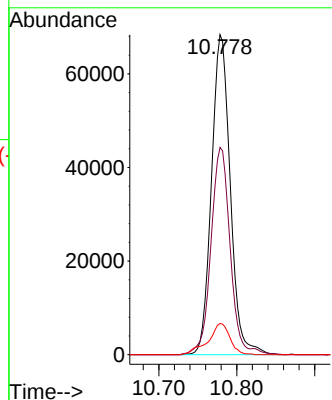
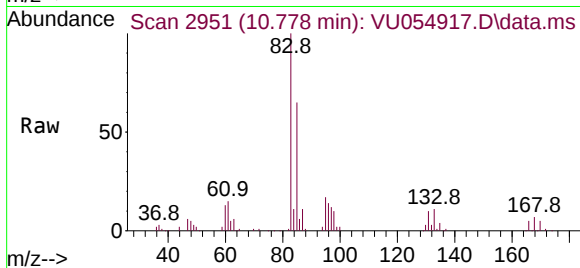




#57
1,1,2,2-Tetrachloroethane
Concen: 11.274 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.003 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

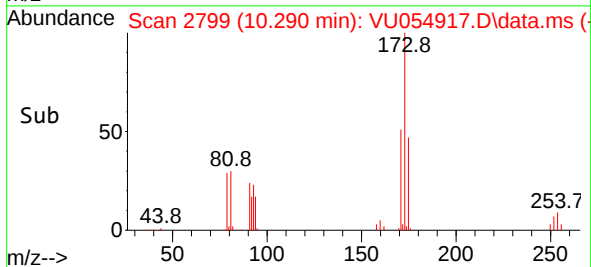
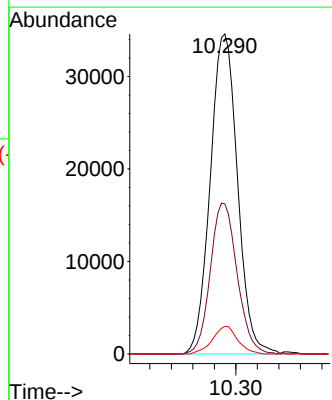
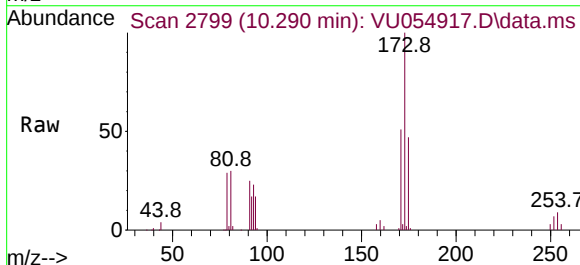
Instrument :
MSVOA_U
ClientSampleId :

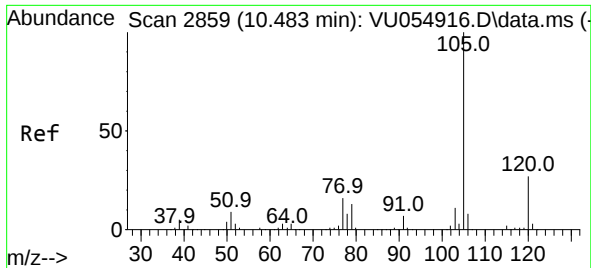
Tgt Ion: 83 Resp: 114251
Ion Ratio Lower Upper
83 100
85 64.8 46.1 85.5
131 9.8 7.7 11.5



#59
Bromoform
Concen: 9.707 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. 0.000 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

Tgt Ion:173 Resp: 60873
Ion Ratio Lower Upper
173 100
175 46.3 40.8 61.2
254 7.9 6.8 10.2

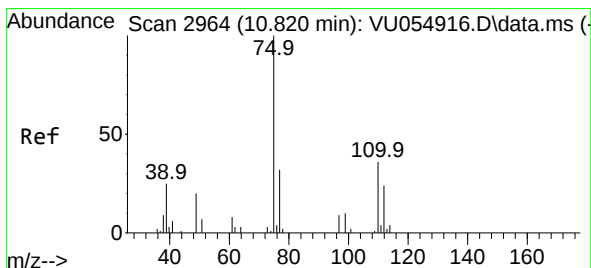
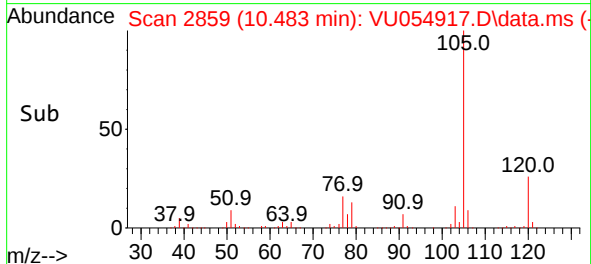
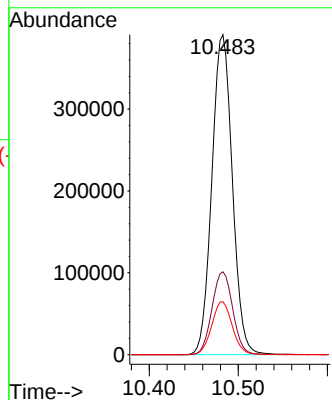
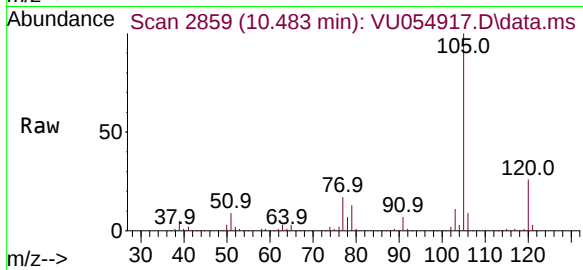




#60
Isopropylbenzene
Concen: 11.629 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

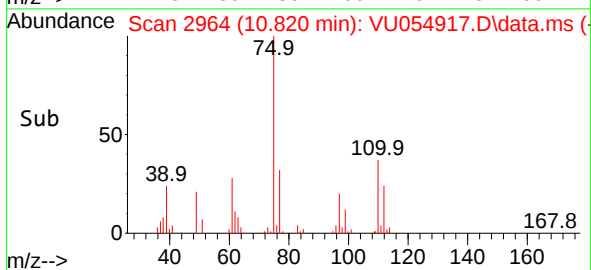
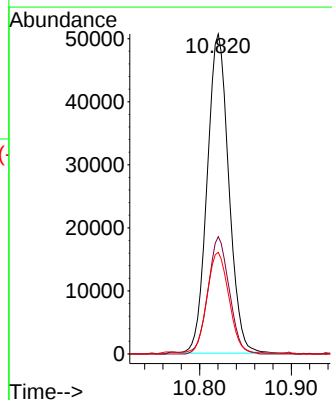
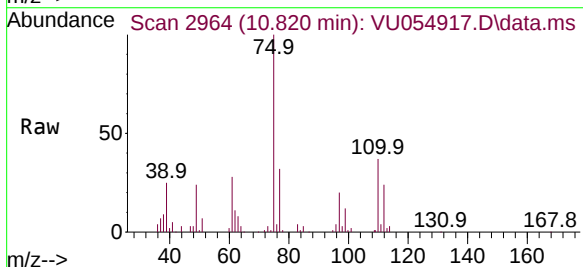
Instrument :
MSVOA_U
ClientSampleId :

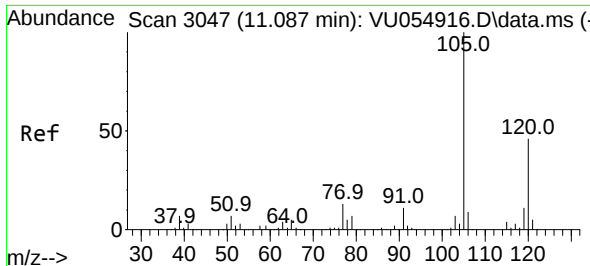
Tgt Ion:105 Resp: 623705
Ion Ratio Lower Upper
105 100
120 26.2 20.8 31.2
77 16.7 13.0 19.4



#61
1,2,3-Trichloropropane
Concen: 10.213 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

Tgt Ion: 75 Resp: 82913
Ion Ratio Lower Upper
75 100
110 36.0 29.0 43.6
77 32.1 26.5 39.7





#62

1,3,5-Trimethylbenzene

Concen: 12.203 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VU054917.D

Acq: 28 Aug 2023 10:49

Instrument :

MSVOA_U

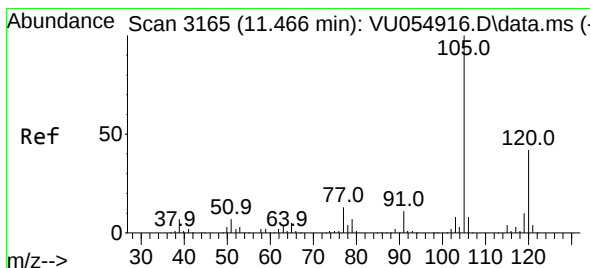
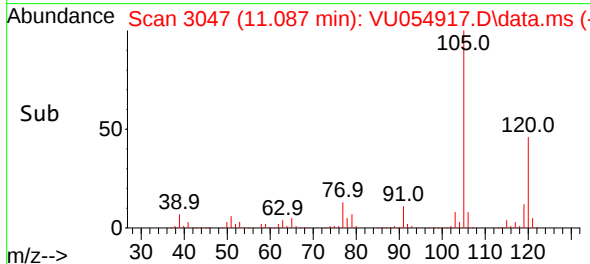
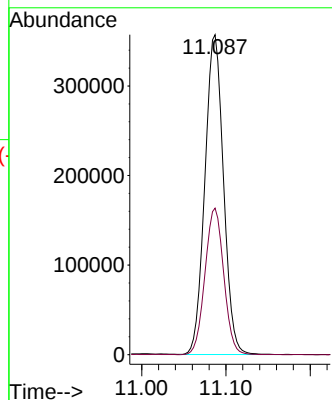
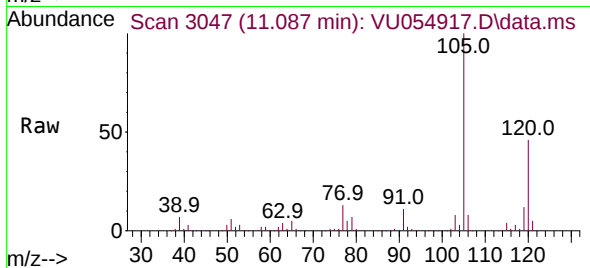
ClientSampleId :

Tgt Ion:105 Resp: 549628

Ion Ratio Lower Upper

105 100

120 46.2 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 12.316 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VU054917.D

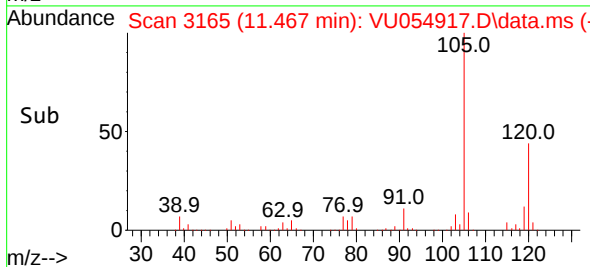
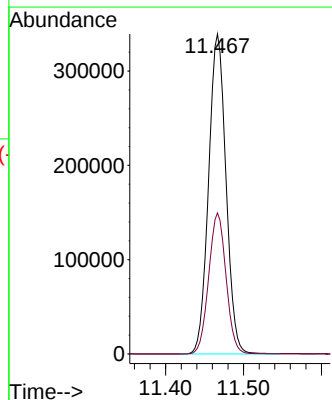
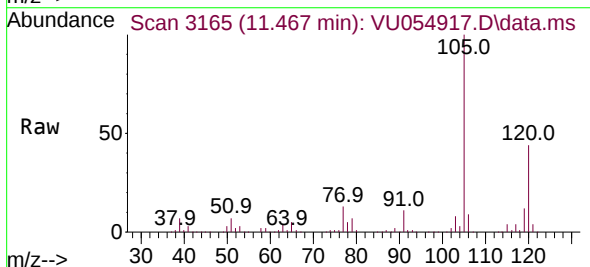
Acq: 28 Aug 2023 10:49

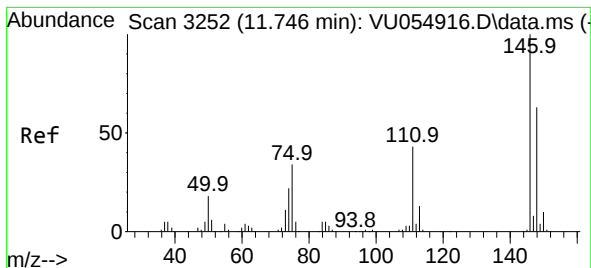
Tgt Ion:105 Resp: 526529

Ion Ratio Lower Upper

105 100

120 43.9 34.3 51.5





#64

1,3-Dichlorobenzene

Concen: 10.793 ug/L

RT: 11.743 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU054917.D

Acq: 28 Aug 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

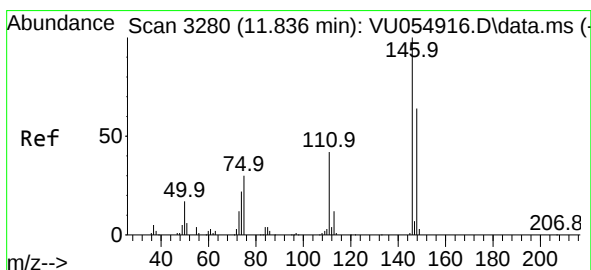
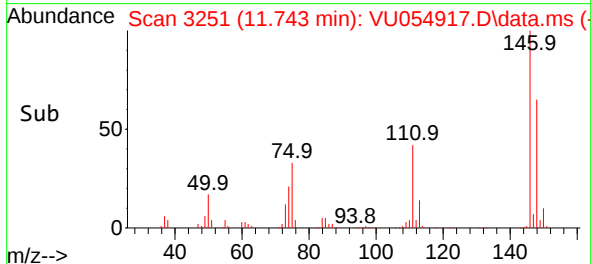
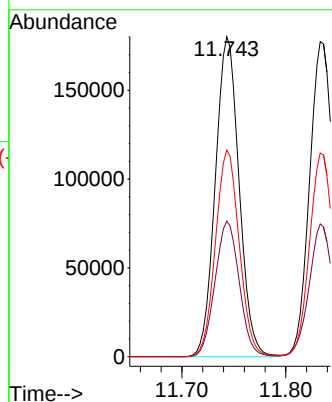
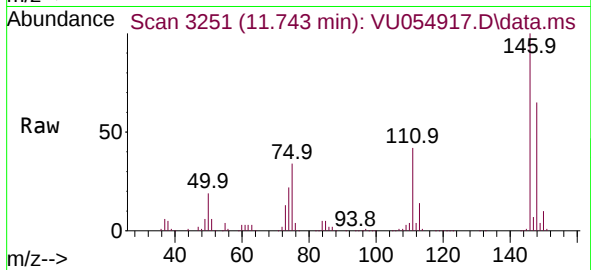
Tgt Ion:146 Resp: 286343

Ion Ratio Lower Upper

146 100

111 42.4 30.4 56.4

148 64.6 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 10.989 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. -0.003 min

Lab File: VU054917.D

Acq: 28 Aug 2023 10:49

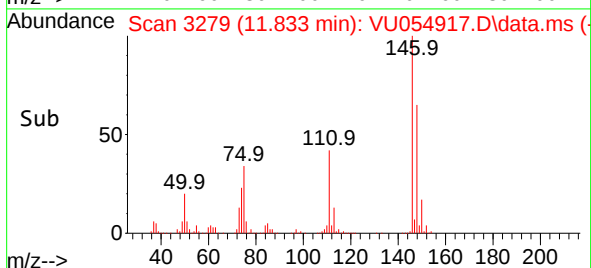
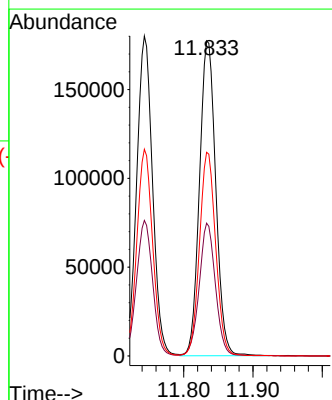
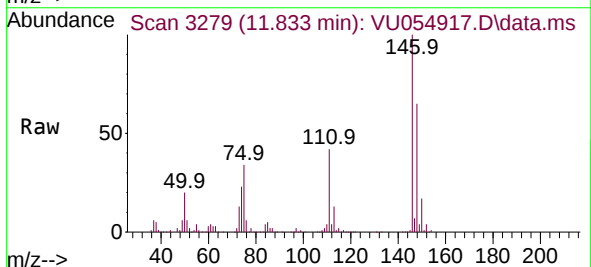
Tgt Ion:146 Resp: 289732

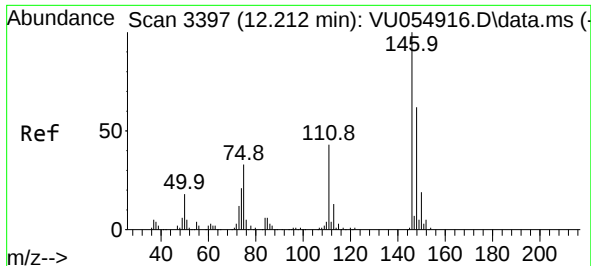
Ion Ratio Lower Upper

146 100

111 42.2 29.9 55.5

148 64.7 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 10.947 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU054917.D

Acq: 28 Aug 2023 10:49

Instrument :

MSVOA_U

ClientSampleId :

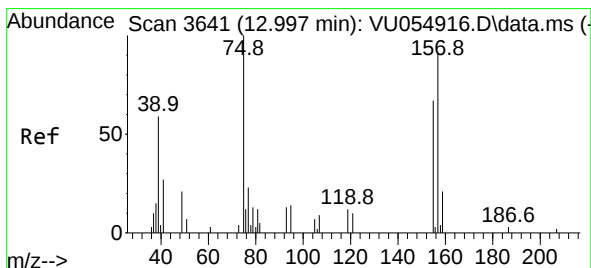
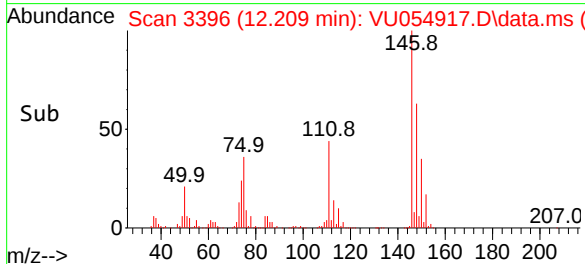
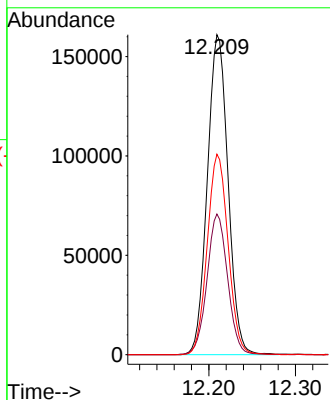
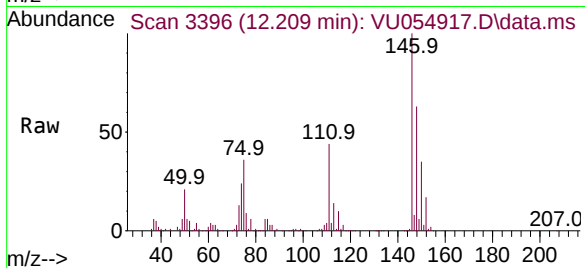
Tgt Ion:146 Resp: 267230

Ion Ratio Lower Upper

146 100

111 43.9 34.9 52.3

148 62.6 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 9.092 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. -0.003 min

Lab File: VU054917.D

Acq: 28 Aug 2023 10:49

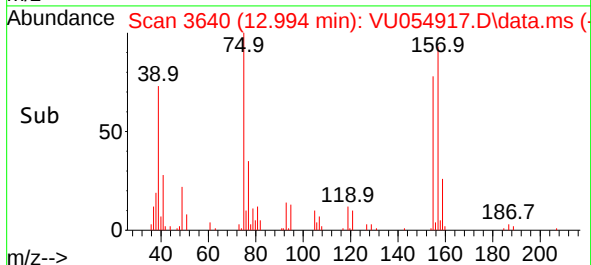
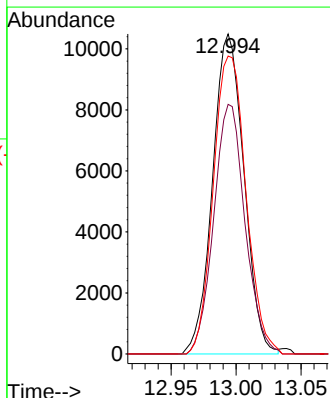
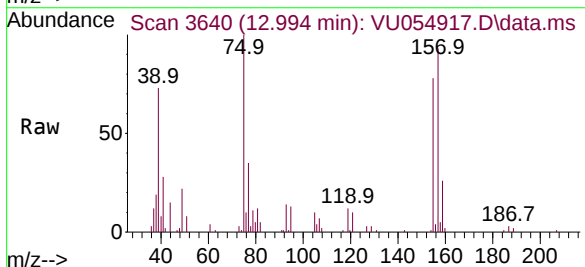
Tgt Ion: 75 Resp: 17597

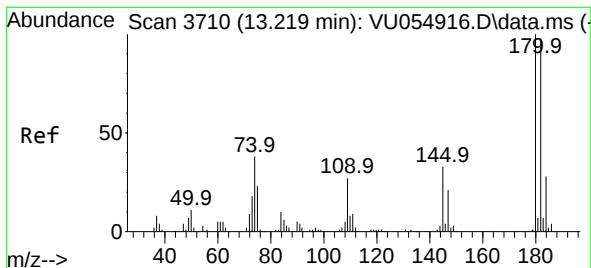
Ion Ratio Lower Upper

75 100

155 78.0 53.3 79.9

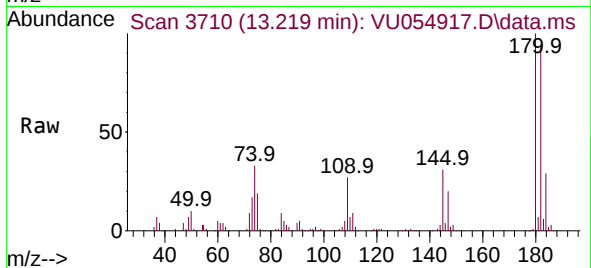
157 93.1 69.5 104.3



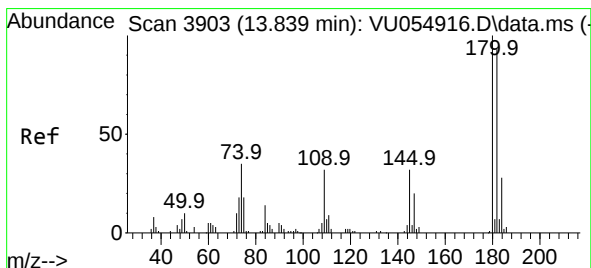
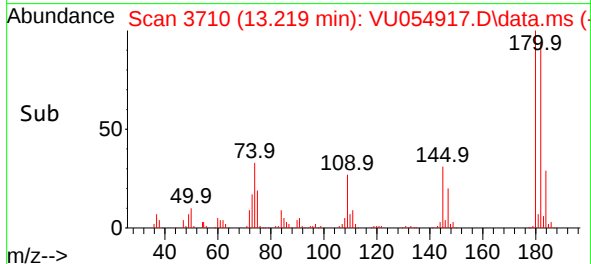
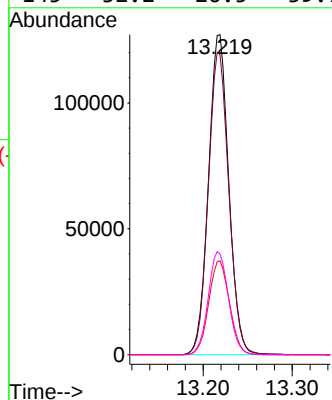


#69
 1,3,5-Trichlorobenzene
 Concen: 10.390 ug/L
 RT: 13.219 min Scan# 3710
 Delta R.T. 0.000 min
 Lab File: VU054917.D
 Acq: 28 Aug 2023 10:49

Instrument :
 MSVOA_U
 ClientSampleId :

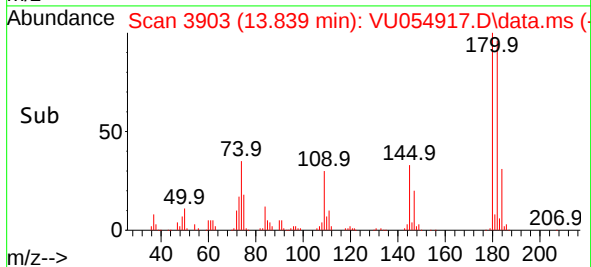
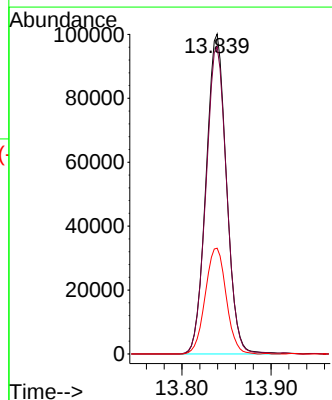
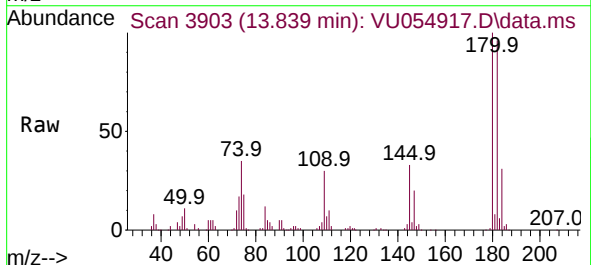


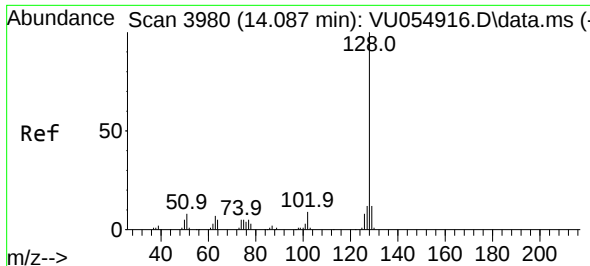
Tgt Ion:180 Resp: 201098
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.6 114.8
 184 29.9 23.6 35.4
 145 32.2 26.5 39.7



#70
 1,2,4-trichlorobenzene
 Concen: 10.287 ug/L
 RT: 13.839 min Scan# 3903
 Delta R.T. 0.000 min
 Lab File: VU054917.D
 Acq: 28 Aug 2023 10:49

Tgt Ion:180 Resp: 159019
 Ion Ratio Lower Upper
 180 100
 182 97.3 74.9 112.3
 145 33.9 25.8 38.8

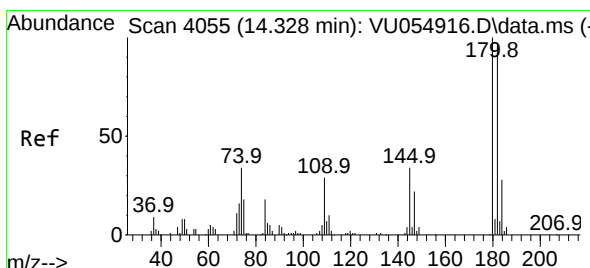
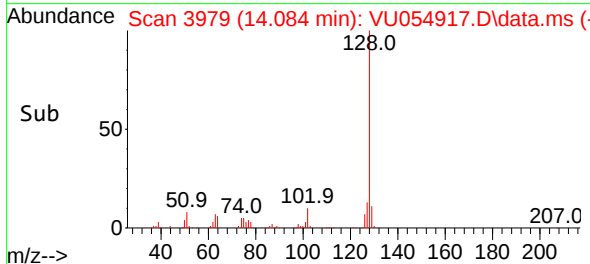
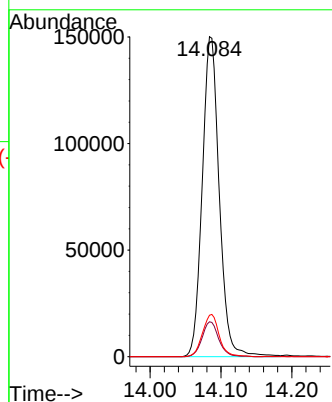
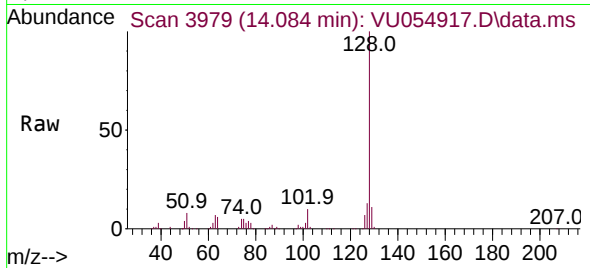




#71
Naphthalene
Concen: 10.377 ug/L
RT: 14.084 min Scan# 3980
Delta R.T. -0.003 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 250294
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 13.0 9.3 13.9



#72
1,2,3-Trichlorobenzene
Concen: 9.853 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.000 min
Lab File: VU054917.D
Acq: 28 Aug 2023 10:49

Tgt Ion:180 Resp: 133911
Ion Ratio Lower Upper
180 100
182 96.9 77.7 116.5
145 35.8 28.1 42.1

