

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U020223\
 Data File : VU052936.D
 Acq On : 02 Feb 2023 19:44
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 03 00:29:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 00:24:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	240009	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	230417	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	134280	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	67870	39.289	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.580%
7) Chloroethane-d5	1.909	69	64866	45.571	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.140%
11) 1,1-Dichloroethene-d2	2.565	63	147083	42.808	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.620%
21) 2-Butanone-d5	4.620	46	83365	78.119	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.120%
24) Chloroform-d	5.057	84	170688	46.298	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.600%
26) 1,2-Dichloroethane-d4	5.697	65	106990	45.449	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.900%
32) Benzene-d6	5.723	84	317436	45.093	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.180%
36) 1,2-Dichloropropane-d6	6.684	67	91757	44.443	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.880%
41) Toluene-d8	7.893	98	290761	45.359	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.720%
43) trans-1,3-Dichloroprop...	8.176	79	46044	44.495	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.000%
47) 2-Hexanone-d5	8.629	63	59533	82.064	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.060%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	133969	43.918	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.840%
66) 1,2-Dichlorobenzene-d4	12.188	152	122222	46.876	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	99841	44.425	ug/L	99
3) Chloromethane	1.520	50	84127	45.386	ug/L	100
5) Vinyl chloride	1.604	62	98564	48.066	ug/L	99
6) Bromomethane	1.854	94	69056	53.399	ug/L	96
8) Chloroethane	1.928	64	63850	49.574	ug/L	98
9) Trichlorofluoromethane	2.134	101	171049	49.801	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	89519	46.240	ug/L	96
12) 1,1-Dichloroethene	2.578	96	83127	46.819	ug/L	94
13) Acetone	2.629	43	74978	57.527	ug/L	98
14) Carbon disulfide	2.790	76	230947	43.067	ug/L	99
15) Methyl Acetate	2.944	43	71342	40.625	ug/L	95
16) Methylene chloride	3.044	84	103198	48.861	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	88565	46.158	ug/L	99
18) Methyl tert-butyl Ether	3.356	73	274635	48.678	ug/L	99
19) 1,1-Dichloroethane	3.864	63	160503	47.697	ug/L	98
20) cis-1,2-Dichloroethene	4.661	96	99419	48.530	ug/L	96
22) 2-Butanone	4.700	43	96696	69.410	ug/L	94
23) Bromochloromethane	4.967	128	54723	47.569	ug/L	97
25) Chloroform	5.083	83	179260	47.453	ug/L	97

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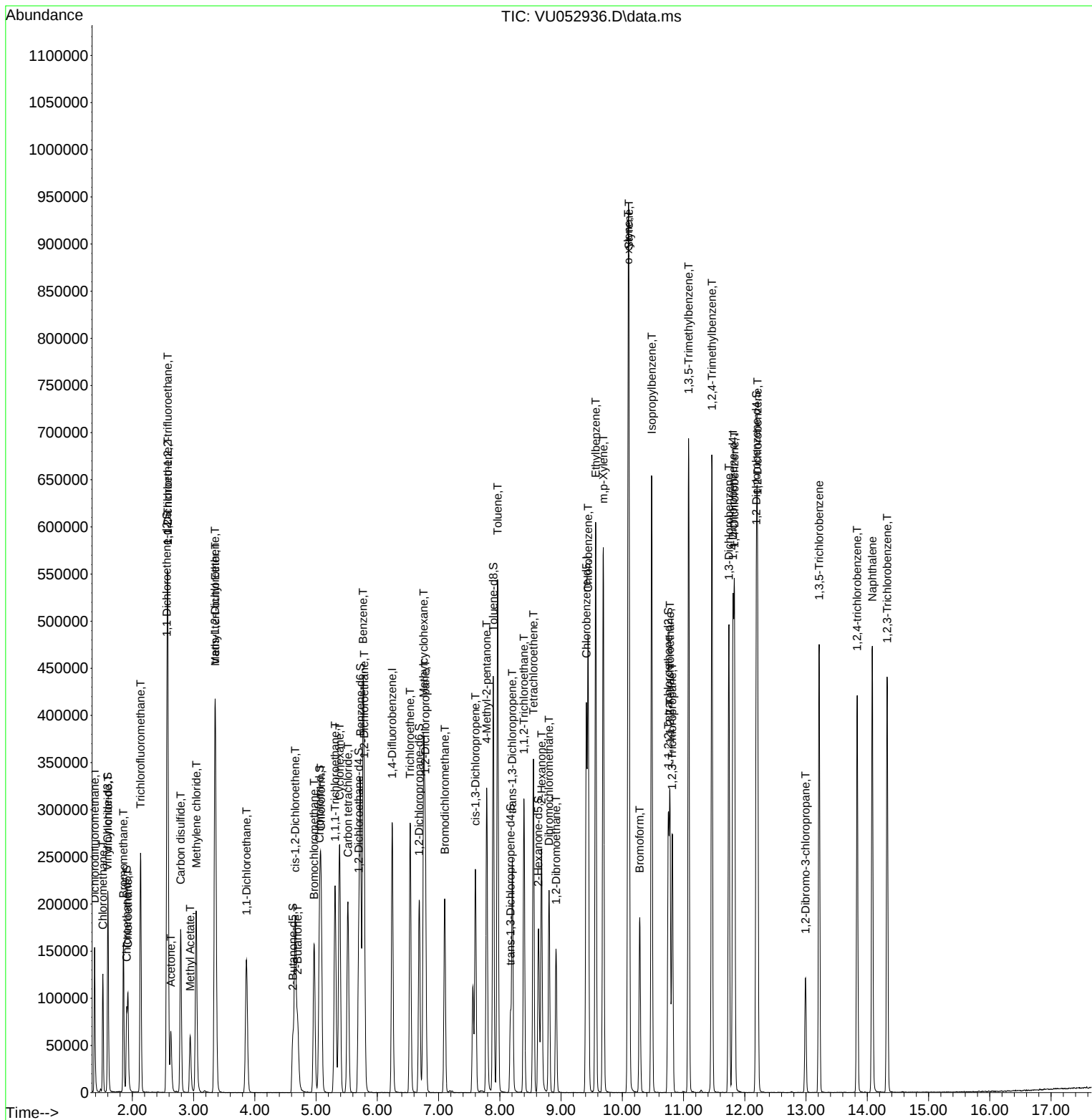
Instrument :
 MSVOA_U
 ClientSampleId :

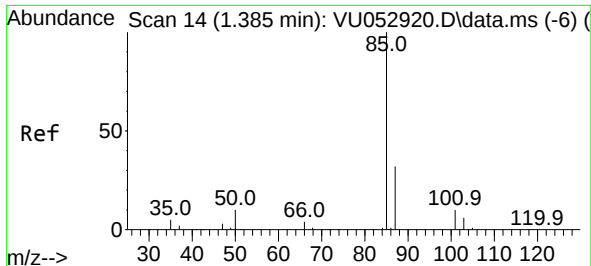
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	140893	47.112	ug/L	100
29) Cyclohexane	5.385	56	126586	46.361	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	165371	48.792	ug/L	99
31) Carbon tetrachloride	5.520	117	146191	49.758	ug/L	100
33) Benzene	5.768	78	373342	47.599	ug/L	100
34) Trichloroethene	6.536	95	93237	46.769	ug/L	92
35) Methylcyclohexane	6.758	83	147420	46.722	ug/L	99
37) 1,2-Dichloropropane	6.784	63	89861	46.601	ug/L	100
38) Bromodichloromethane	7.102	83	134422	47.503	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	141222	46.752	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	187623	82.587	ug/L	96
42) Toluene	7.964	91	393494	48.951	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	139940	47.141	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	94926	48.138	ug/L	98
46) Tetrachloroethene	8.549	164	80631	46.970	ug/L	99
48) 2-Hexanone	8.681	43	151076	78.606	ug/L	97
49) Dibromochloromethane	8.803	129	112439	47.681	ug/L	99
50) 1,2-Dibromoethane	8.919	107	101284	47.723	ug/L	99
51) Chlorobenzene	9.443	112	263407	47.628	ug/L	97
52) Ethylbenzene	9.565	91	417622	48.614	ug/L	98
53) m,p-Xylene	9.690	106	173610	49.920	ug/L	98
54) o-xylene	10.095	106	166293	50.088	ug/L	97
55) Styrene	10.108	104	288052	50.561	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	144457	45.266	ug/L	99
59) Bromoform	10.285	173	85955	46.712	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	113521	43.583	ug/L	98
61) Isopropylbenzene	10.481	105	430886	49.684	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	363773	50.377	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	359998	51.520	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	210757	48.168	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	213796	47.199	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	217349	49.111	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	31408	42.067	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	151846	46.877	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	133968	49.330	ug/L	98
71) Naphthalene	14.082	128	386577	49.533	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	142082	49.505	ug/L	98

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

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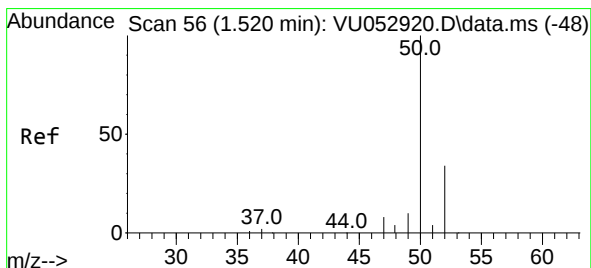
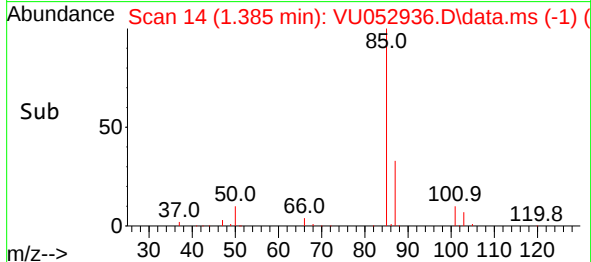
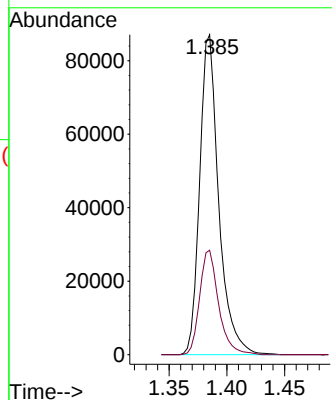
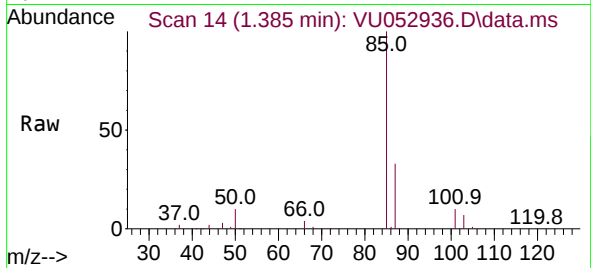




#2
Dichlorodifluoromethane
Concen: 44.425 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

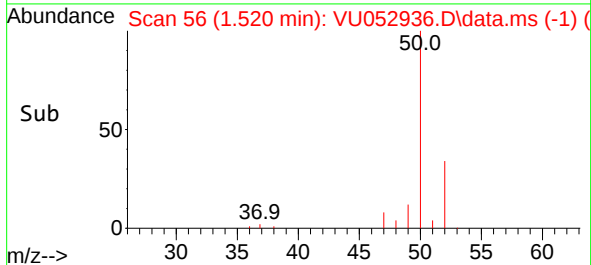
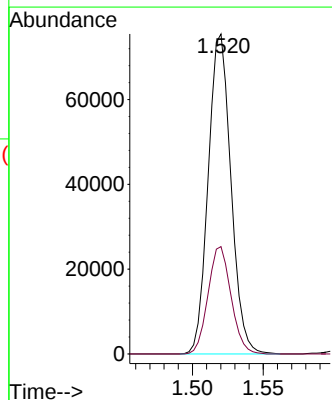
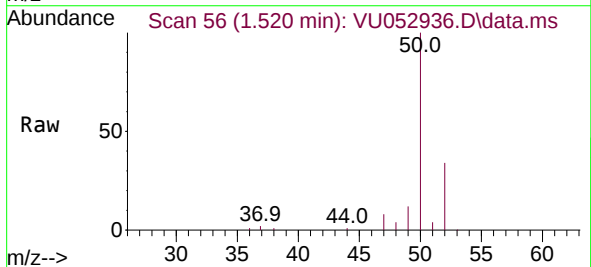
Instrument :
MSVOA_U
ClientSampleId :

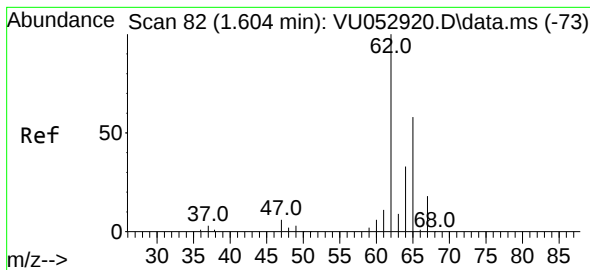
Tgt Ion: 85 Resp: 99841
Ion Ratio Lower Upper
85 100
87 32.5 26.4 39.6



#3
Chloromethane
Concen: 45.386 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

Tgt Ion: 50 Resp: 84127
Ion Ratio Lower Upper
50 100
52 33.6 23.4 43.4





#5

Vinyl chloride

Concen: 48.066 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

Instrument :

MSVOA_U

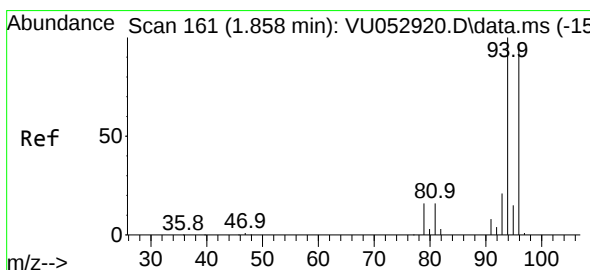
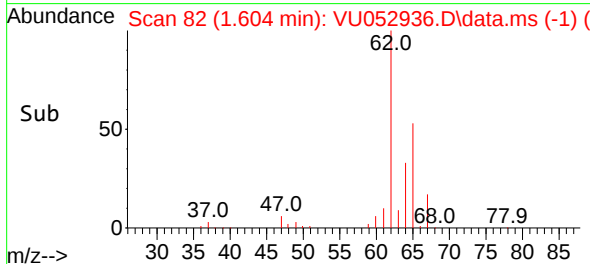
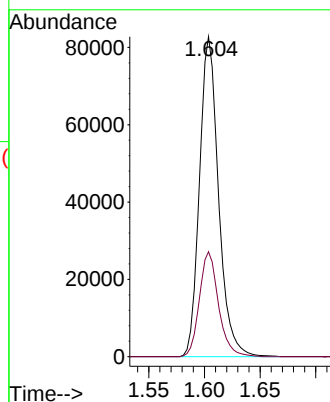
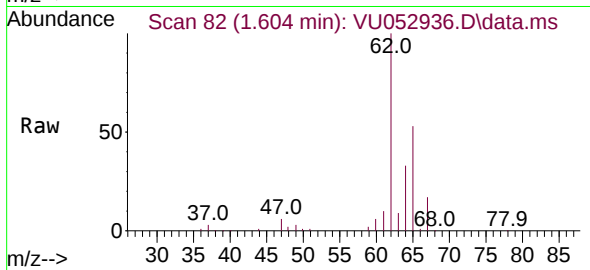
ClientSampleId :

Tgt Ion: 62 Resp: 98564

Ion Ratio Lower Upper

62 100

64 32.8 22.4 41.6



#6

Bromomethane

Concen: 53.399 ug/L

RT: 1.854 min Scan# 160

Delta R.T. -0.003 min

Lab File: VU052936.D

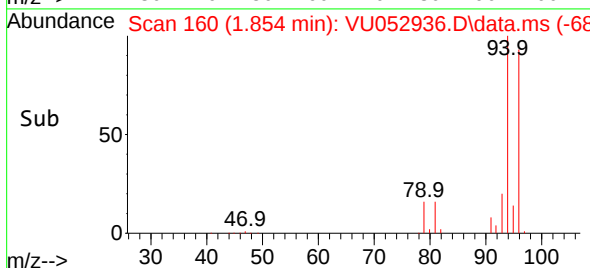
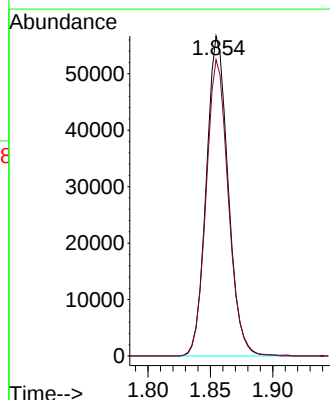
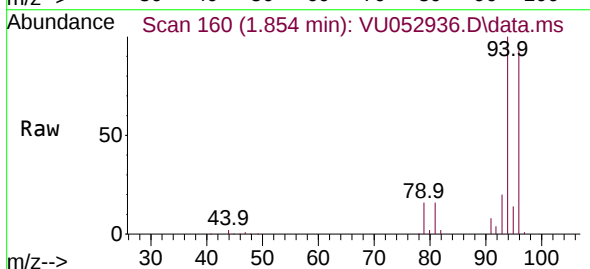
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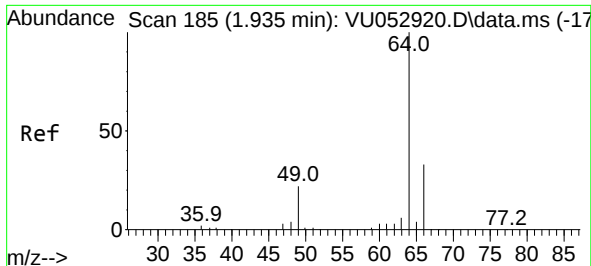
Tgt Ion: 94 Resp: 69056

Ion Ratio Lower Upper

94 100

96 92.6 67.8 125.8

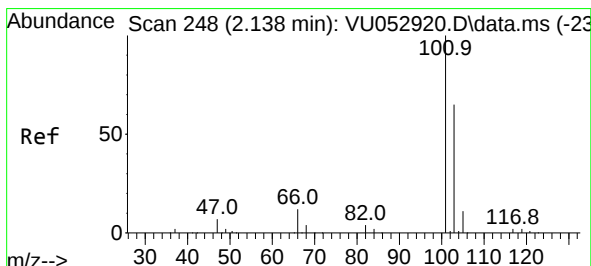
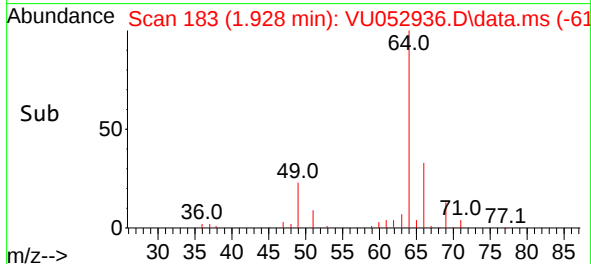
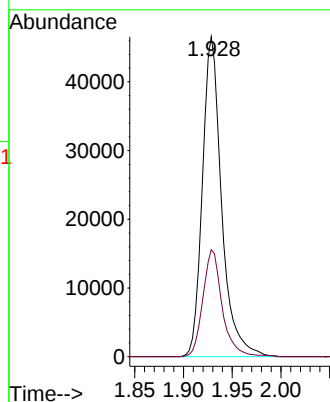
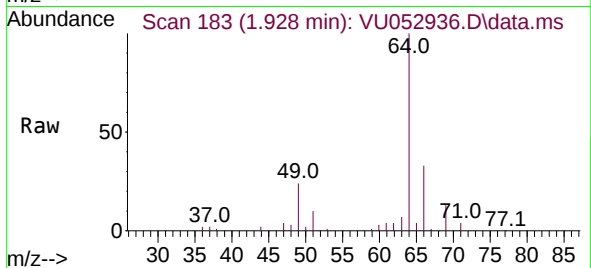




#8
Chloroethane
Concen: 49.574 ug/L
RT: 1.928 min Scan# 11
Delta R.T. -0.007 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

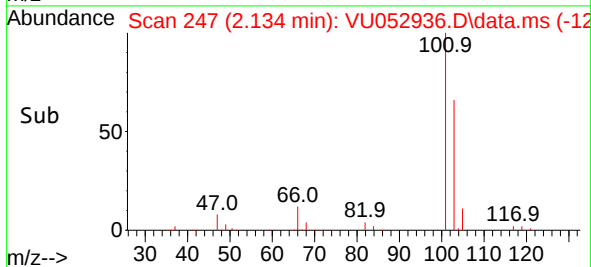
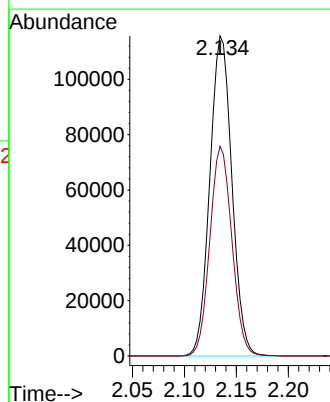
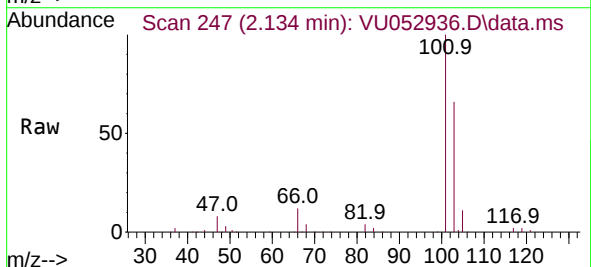
Instrument :
MSVOA_U
ClientSampleId :

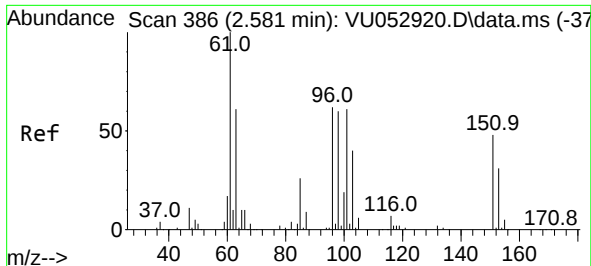
Tgt Ion: 64 Resp: 63850
Ion Ratio Lower Upper
64 100
66 33.5 24.1 44.7



#9
Trichlorofluoromethane
Concen: 49.801 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

Tgt Ion:101 Resp: 171049
Ion Ratio Lower Upper
101 100
103 65.2 52.0 78.0





#10

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

Concen: 46.240 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

Instrument :

MSVOA_U

ClientSampleId :

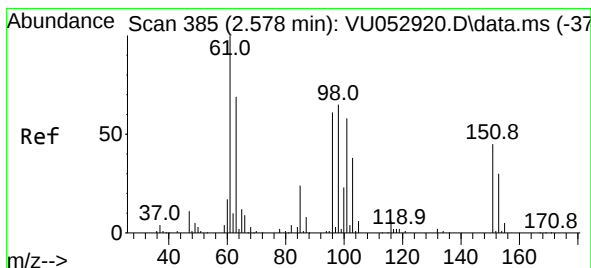
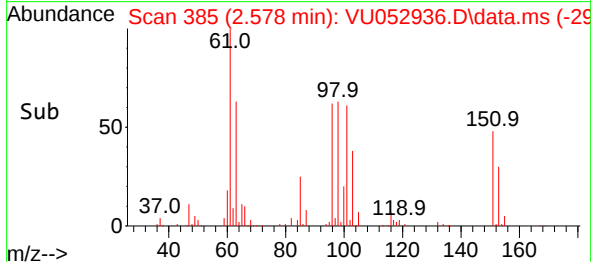
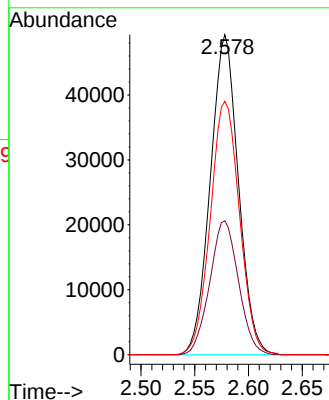
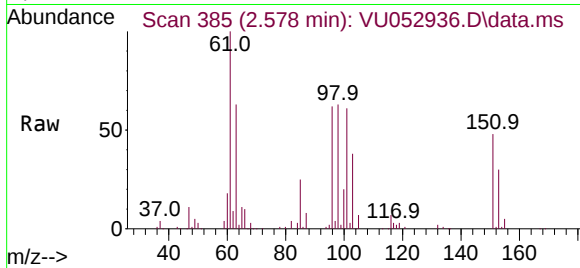
Tgt Ion:101 Resp: 89519

Ion Ratio Lower Upper

101 100

85 42.8 32.9 49.3

151 82.3 62.6 94.0



#12

1,1-Dichloroethene

Concen: 46.819 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

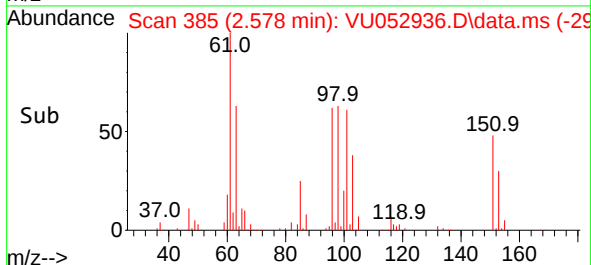
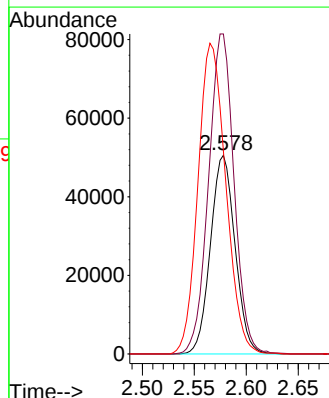
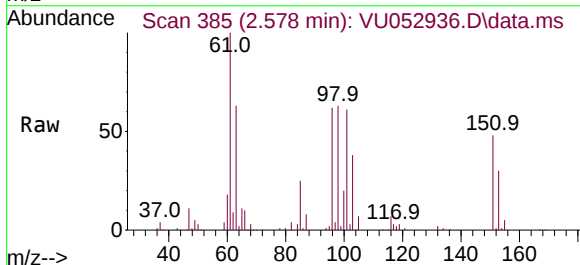
Tgt Ion: 96 Resp: 83127

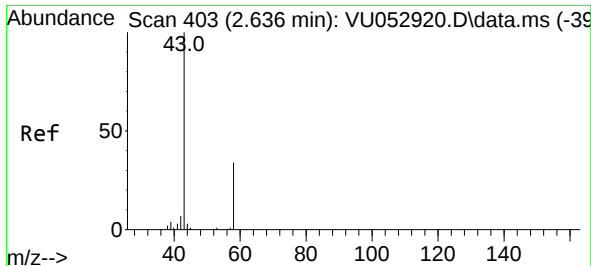
Ion Ratio Lower Upper

96 100

61 161.1 114.3 212.3

63 102.2 80.6 149.6





#13

Acetone

Concen: 57.527 ug/L

RT: 2.629 min Scan# 401

Delta R.T. -0.007 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

Instrument :

MSVOA_U

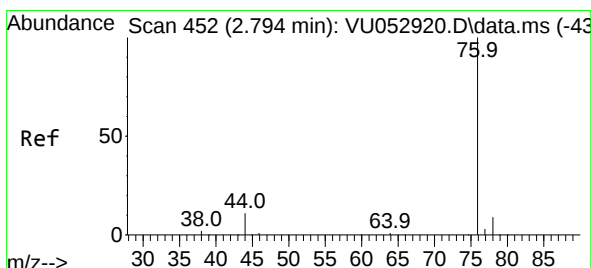
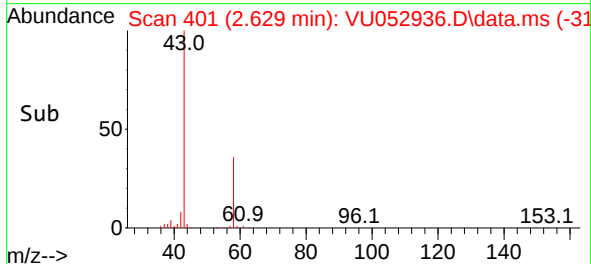
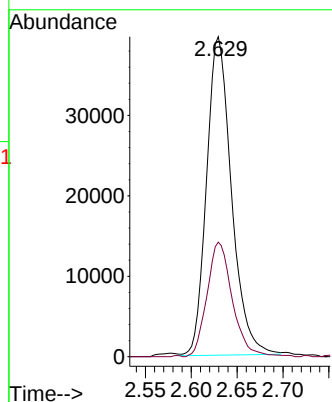
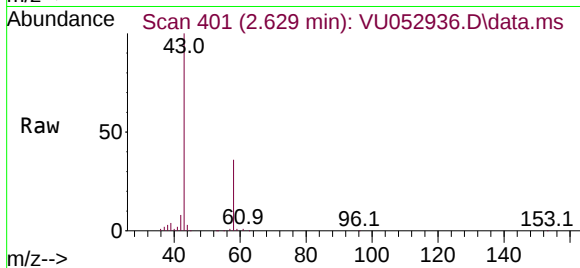
ClientSampleId :

Tgt Ion: 43 Resp: 74978

Ion Ratio Lower Upper

43 100

58 36.3 0.0 70.2



#14

Carbon disulfide

Concen: 43.067 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU052936.D

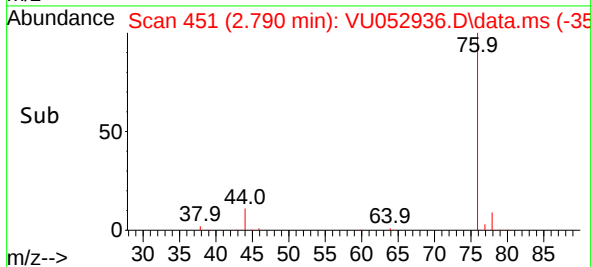
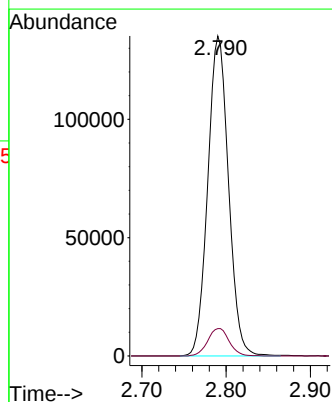
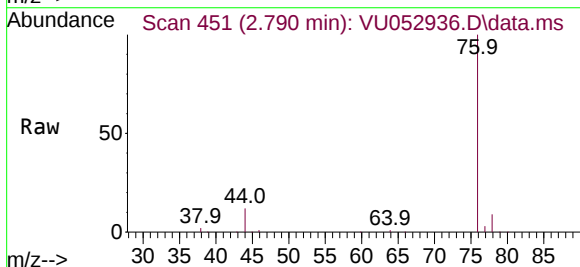
Acq: 02 Feb 2023 19:44

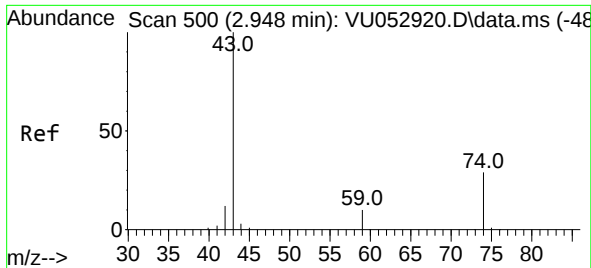
Tgt Ion: 76 Resp: 230947

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7

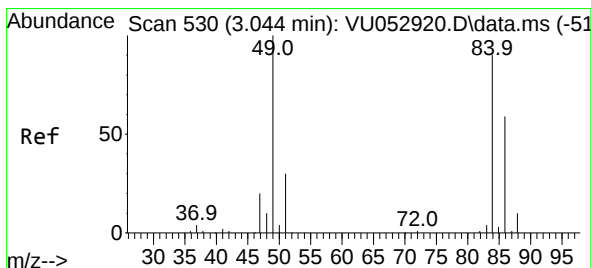
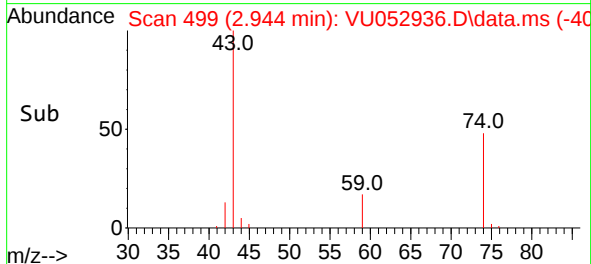
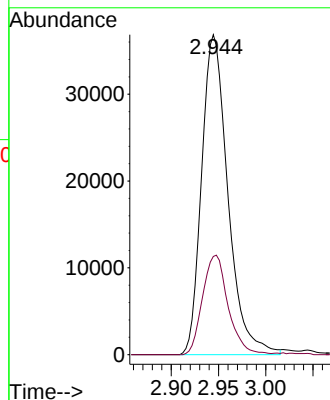
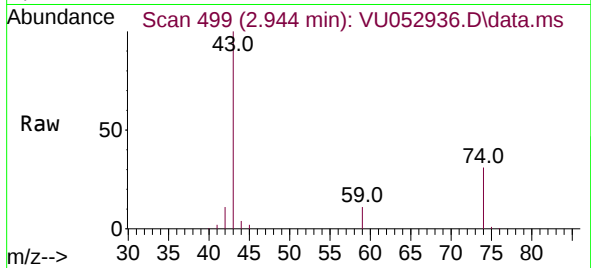




#15
Methyl Acetate
Concen: 40.625 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

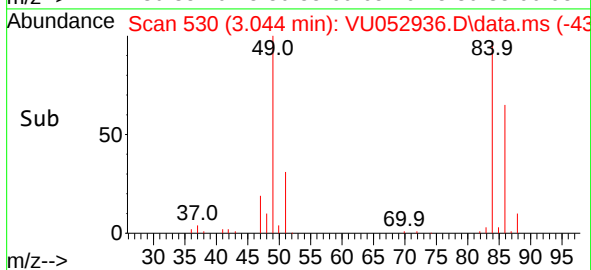
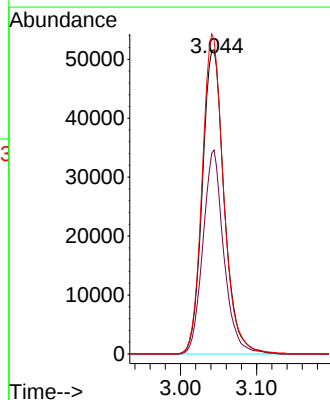
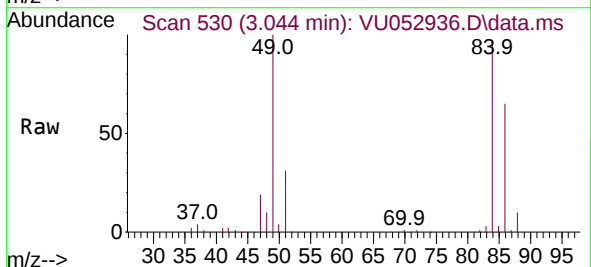
Instrument :
MSVOA_U
ClientSampleId :

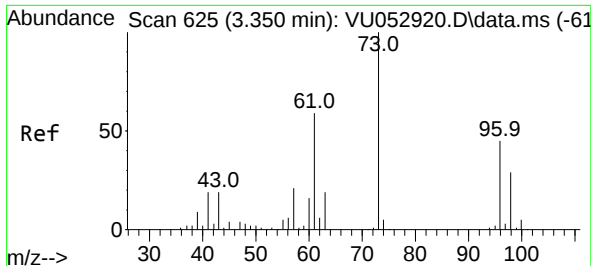
Tgt Ion: 43 Resp: 71342
Ion Ratio Lower Upper
43 100
74 30.2 22.0 33.0



#16
Methylene chloride
Concen: 48.861 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

Tgt Ion: 84 Resp: 103198
Ion Ratio Lower Upper
84 100
86 67.0 43.4 80.6
49 103.2 72.4 134.5





#17

trans-1,2-Dichloroethene

Concen: 46.158 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

Instrument :

MSVOA_U

ClientSampleId :

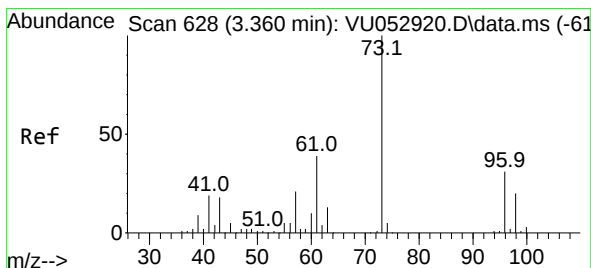
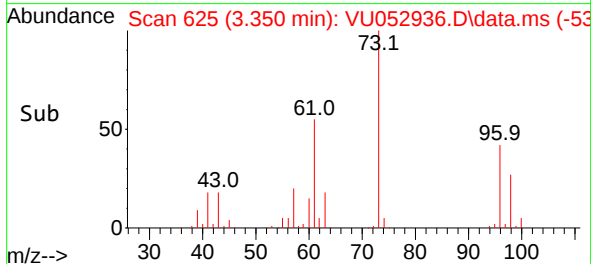
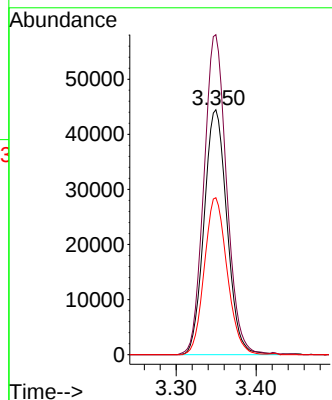
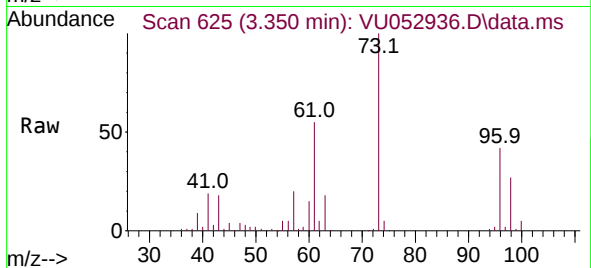
Tgt Ion: 96 Resp: 88565

Ion Ratio Lower Upper

96 100

61 130.6 92.7 172.3

98 64.1 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 48.678 ug/L

RT: 3.356 min Scan# 627

Delta R.T. -0.003 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

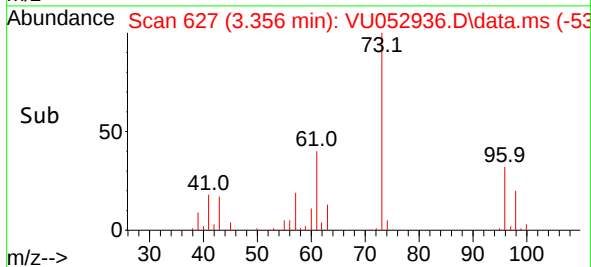
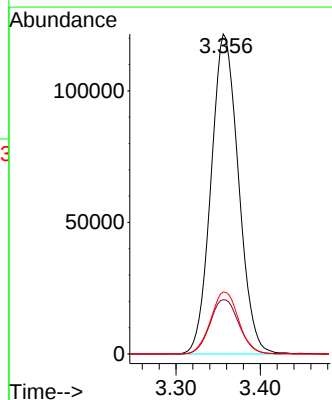
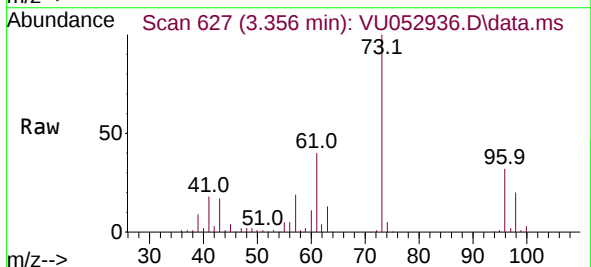
Tgt Ion: 73 Resp: 274635

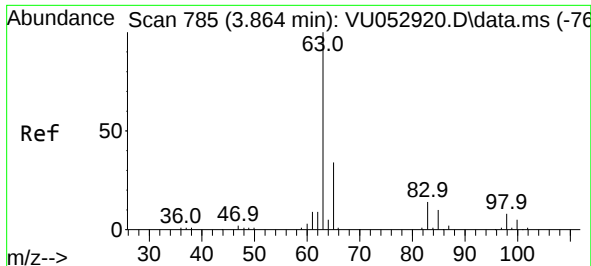
Ion Ratio Lower Upper

73 100

43 18.0 14.2 21.2

57 19.8 16.3 24.5





#19

1,1-Dichloroethane

Concen: 47.697 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

Instrument :

MSVOA_U

ClientSampleId :

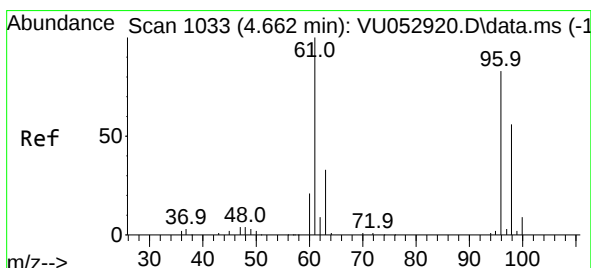
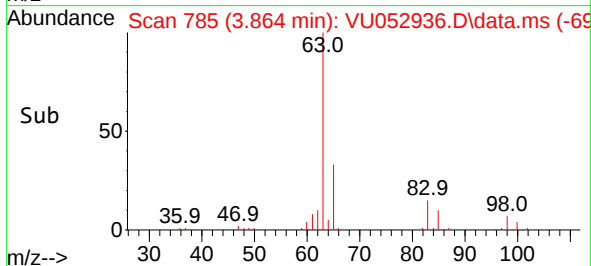
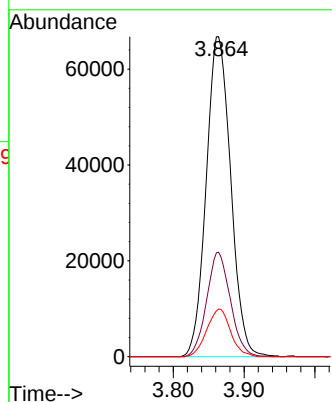
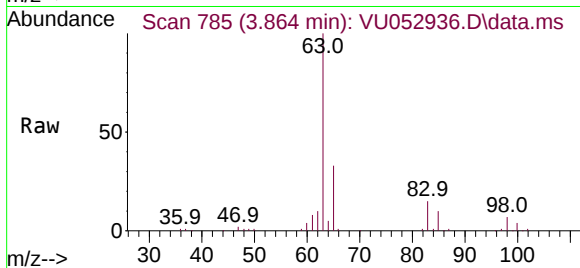
Tgt Ion: 63 Resp: 160503

Ion Ratio Lower Upper

63 100

65 32.6 22.4 41.6

83 14.9 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 48.530 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

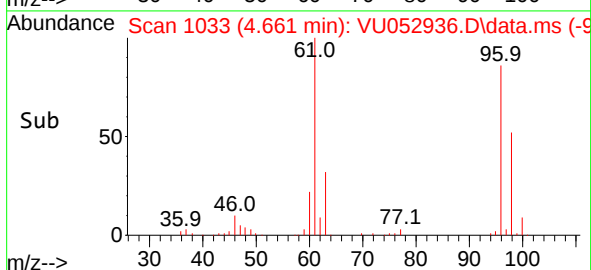
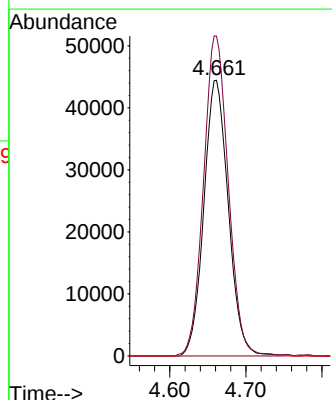
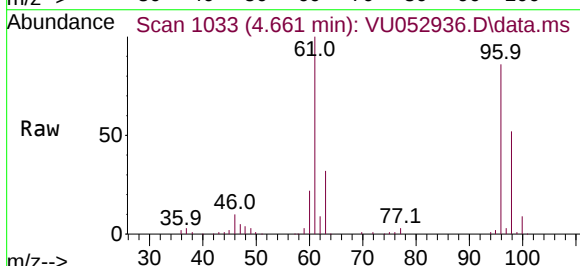
Tgt Ion: 96 Resp: 99419

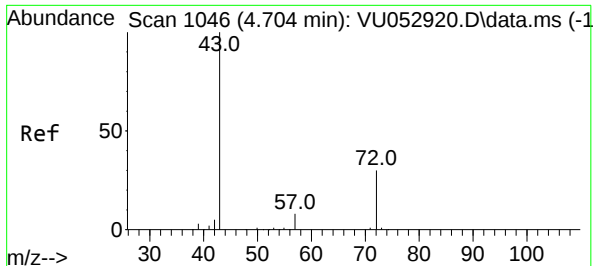
Ion Ratio Lower Upper

96 100

61 116.0 84.1 156.1

68 0.0 0.0 0.0

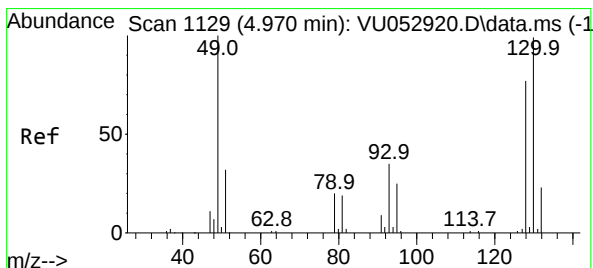
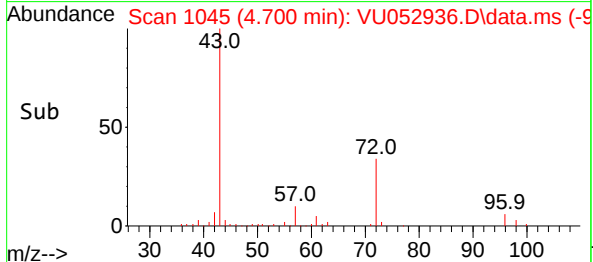
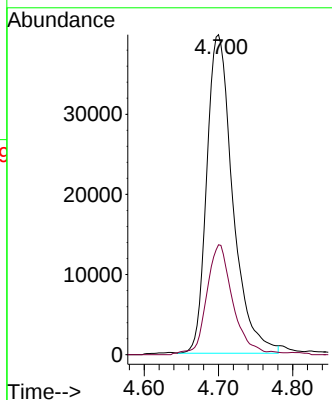
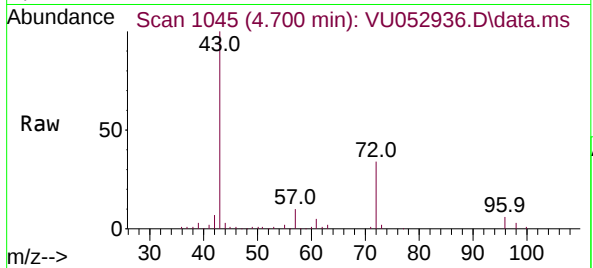




#22
2-Butanone
Concen: 69.410 ug/L
RT: 4.700 min Scan# 1104
Delta R.T. -0.003 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

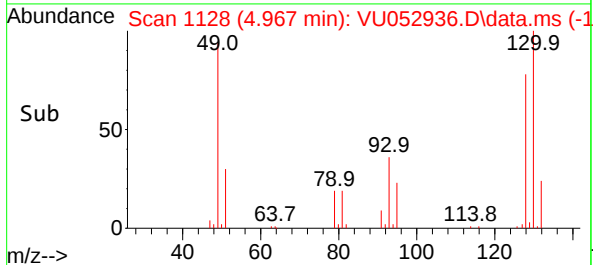
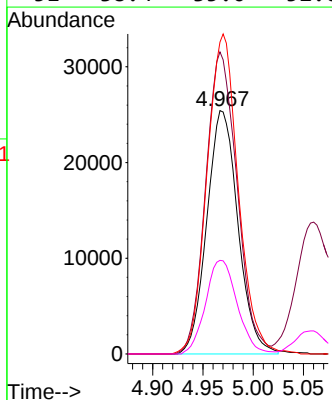
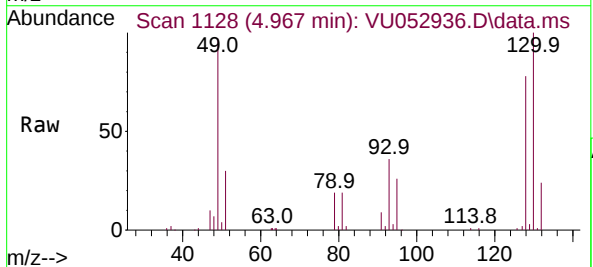
Instrument :
MSVOA_U
ClientSampleId :

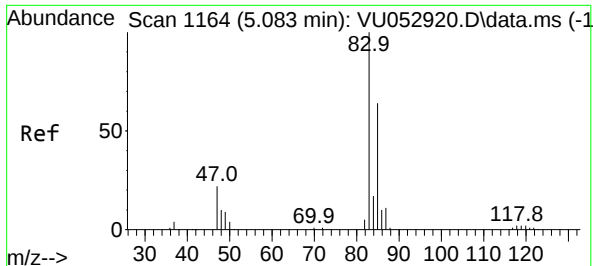
Tgt Ion: 43 Resp: 96696
Ion Ratio Lower Upper
43 100
72 34.5 15.5 46.5



#23
Bromochloromethane
Concen: 47.569 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

Tgt Ion:128 Resp: 54723
Ion Ratio Lower Upper
128 100
49 124.1 90.1 167.3
130 128.1 90.1 167.3
51 38.4 35.0 52.6





#25

Chloroform

Concen: 47.453 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

Instrument :

MSVOA_U

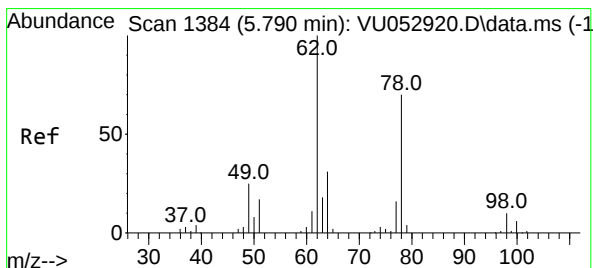
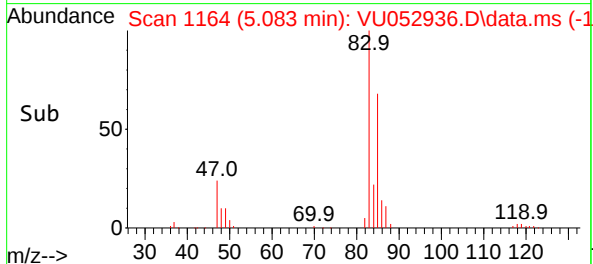
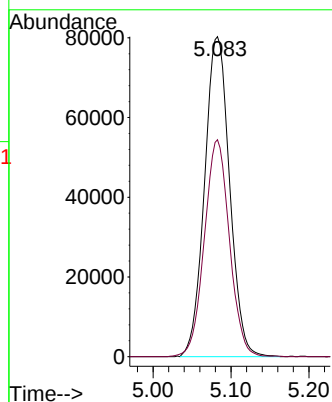
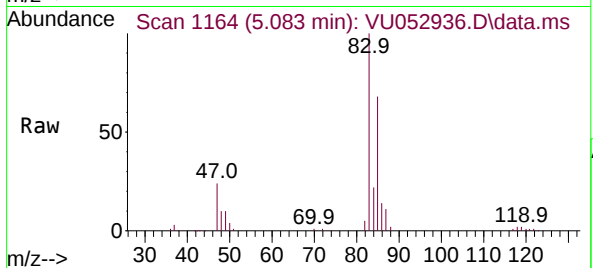
ClientSampleId :

Tgt Ion: 83 Resp: 179260

Ion Ratio Lower Upper

83 100

85 67.8 45.8 85.0



#27

1,2-Dichloroethane

Concen: 47.112 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU052936.D

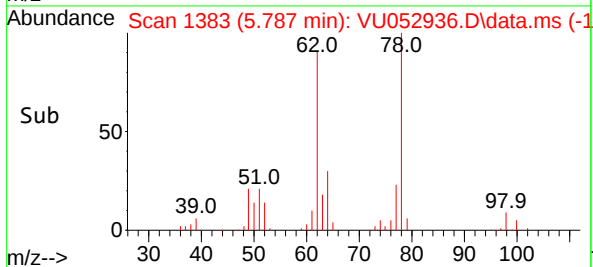
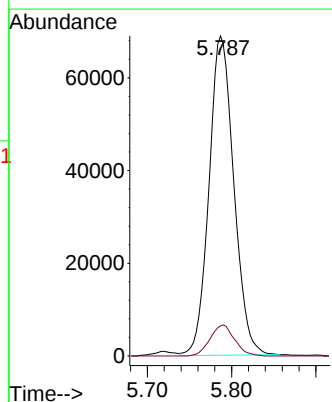
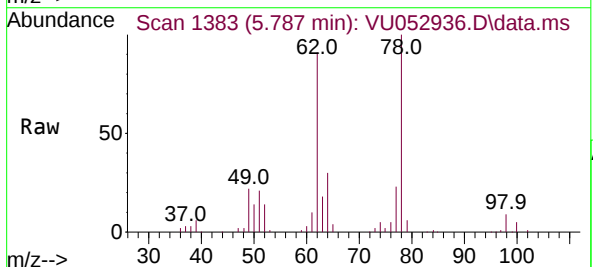
Acq: 02 Feb 2023 19:44

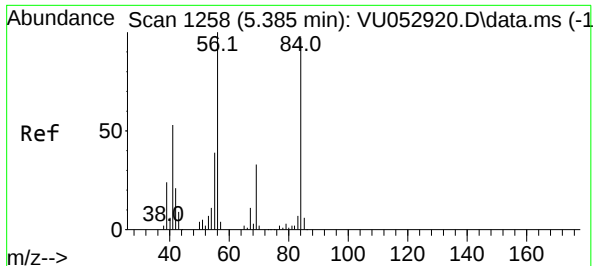
Tgt Ion: 62 Resp: 140893

Ion Ratio Lower Upper

62 100

98 9.4 7.6 11.4





#29

Cyclohexane

Concen: 46.361 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

Instrument :

MSVOA_U

ClientSampleId :

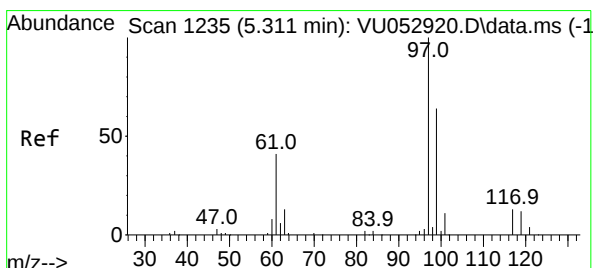
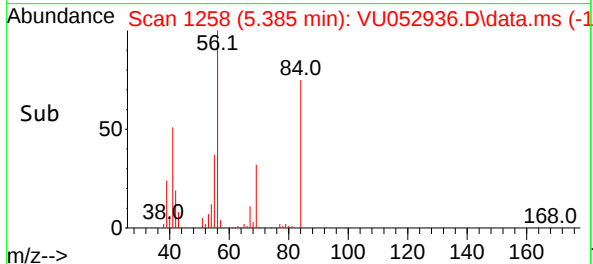
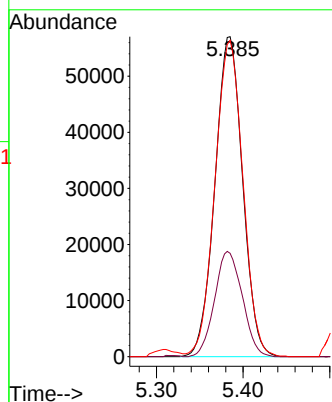
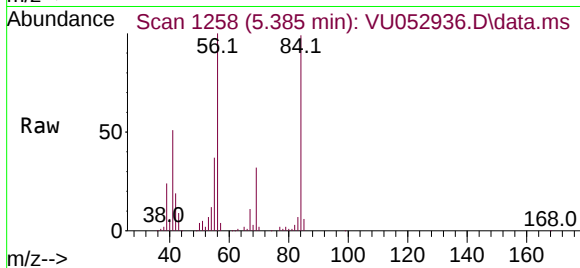
Tgt Ion: 56 Resp: 126586

Ion Ratio Lower Upper

56 100

69 32.9 26.6 40.0

84 99.9 77.0 115.4



#30

1,1,1-Trichloroethane

Concen: 48.792 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

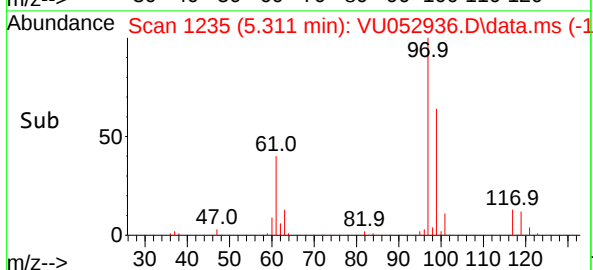
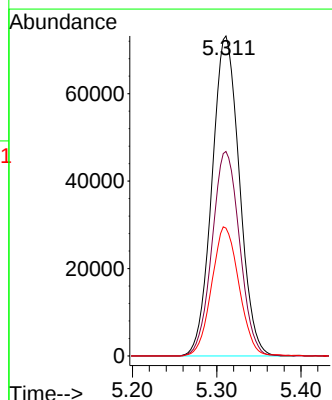
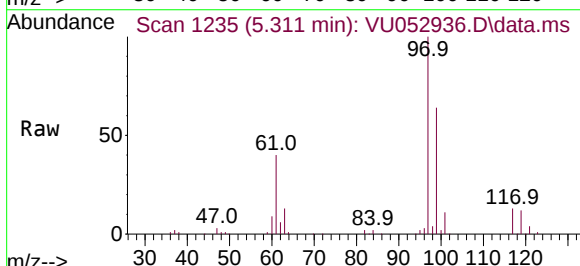
Tgt Ion: 97 Resp: 165371

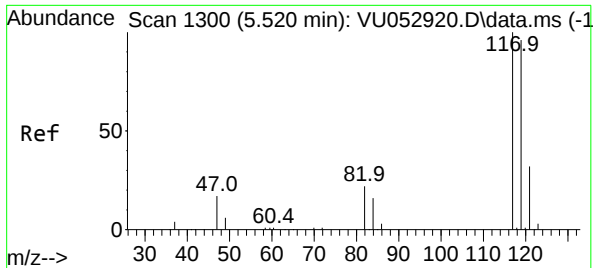
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

61 40.2 33.0 49.6

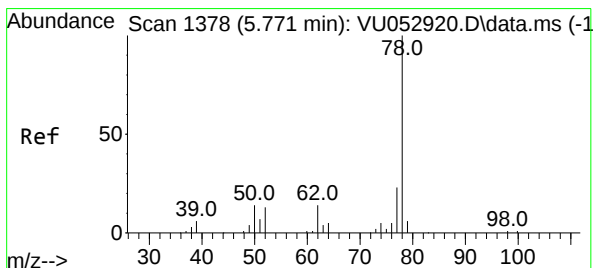
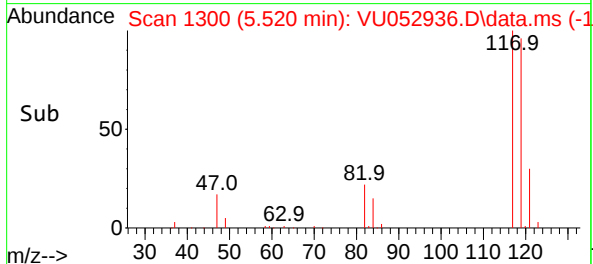
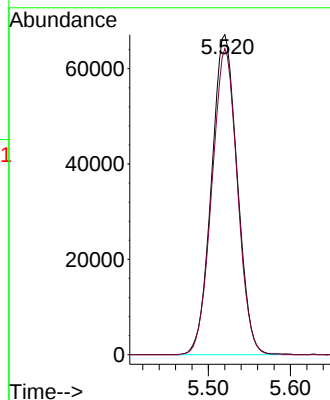
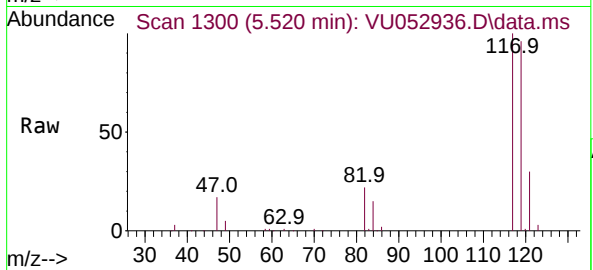




#31
Carbon tetrachloride
Concen: 49.758 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

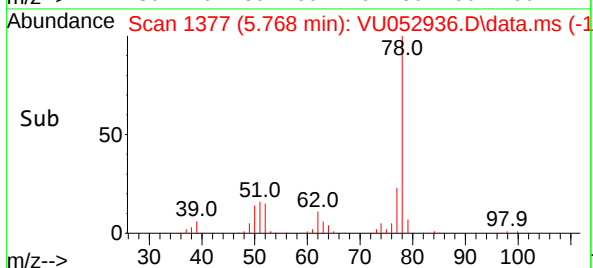
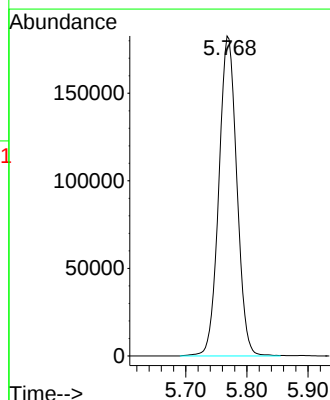
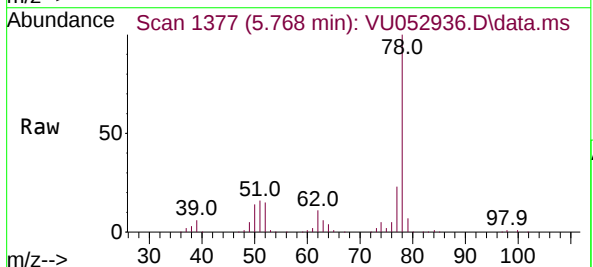
Instrument :
MSVOA_U
ClientSampleId :

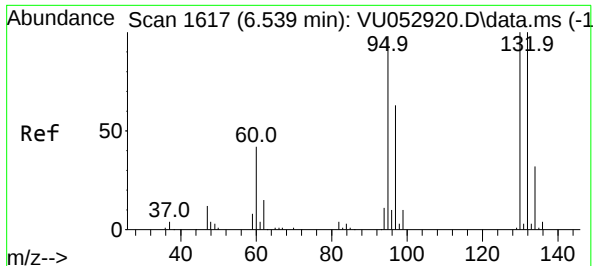
Tgt Ion:117 Resp: 146191
Ion Ratio Lower Upper
117 100
119 94.9 76.2 114.4



#33
Benzene
Concen: 47.599 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

Tgt Ion: 78 Resp: 373342





#34

Trichloroethene

Concen: 46.769 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 93237

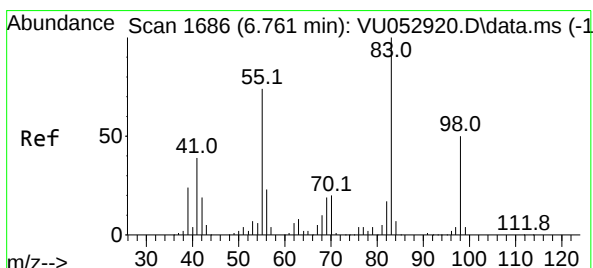
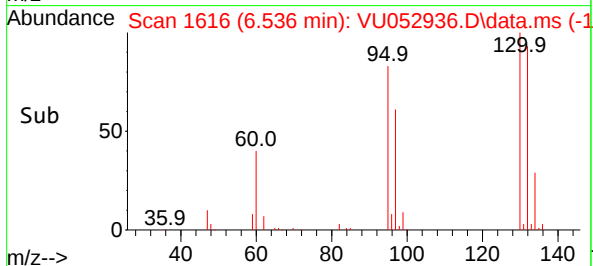
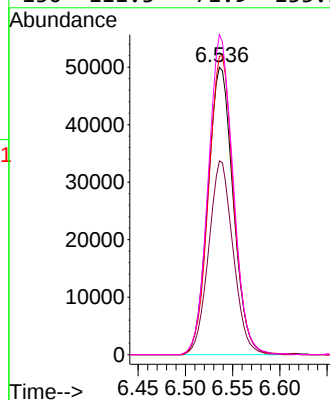
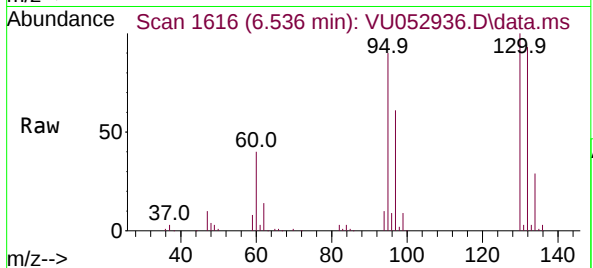
Ion Ratio Lower Upper

95 100

97 67.4 44.5 82.7

132 103.8 66.8 124.0

130 111.3 71.9 133.5



#35

Methylcyclohexane

Concen: 46.722 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. -0.003 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

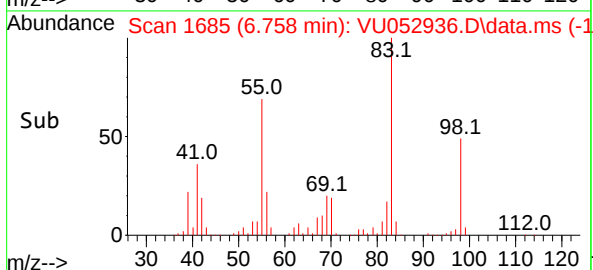
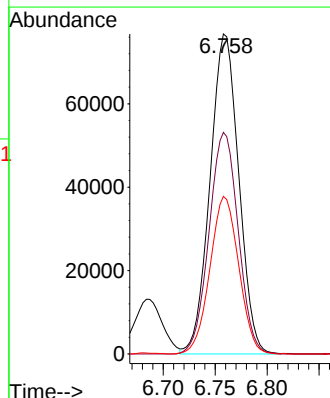
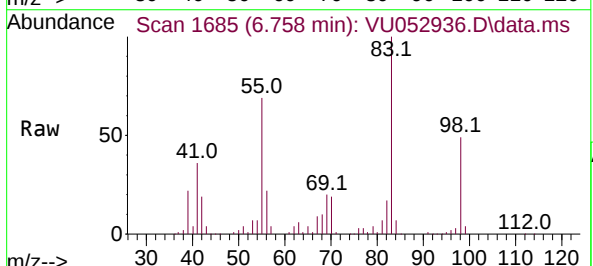
Tgt Ion: 83 Resp: 147420

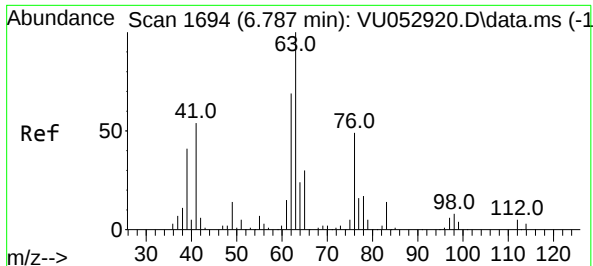
Ion Ratio Lower Upper

83 100

55 70.4 57.1 85.7

98 49.4 38.9 58.3





#37

1,2-Dichloropropane

Concen: 46.601 ug/L

RT: 6.784 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

Instrument :

MSVOA_U

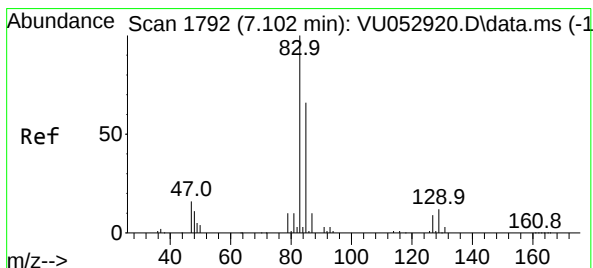
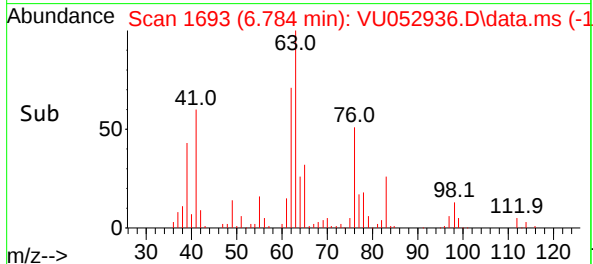
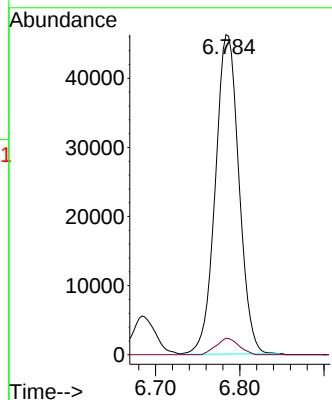
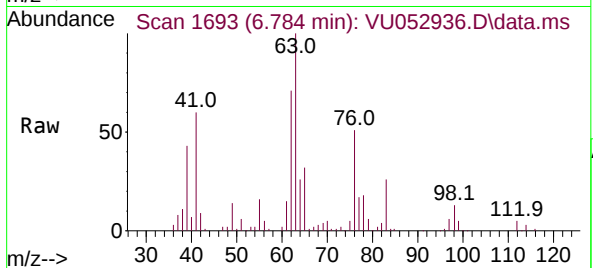
ClientSampleId :

Tgt Ion: 63 Resp: 89861

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.8



#38

Bromodichloromethane

Concen: 47.503 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

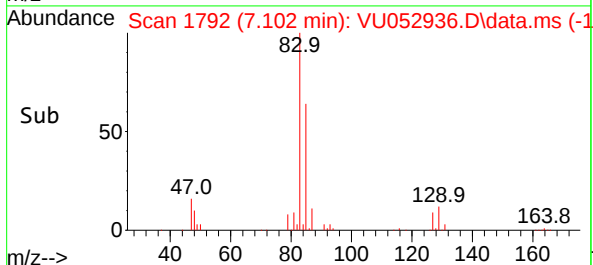
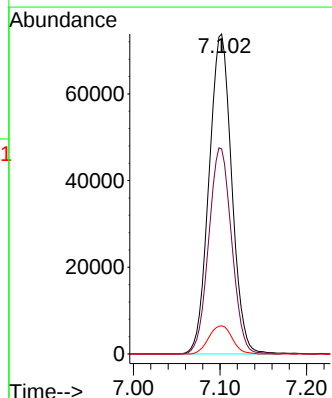
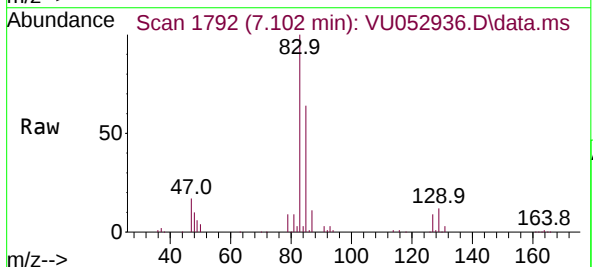
Tgt Ion: 83 Resp: 134422

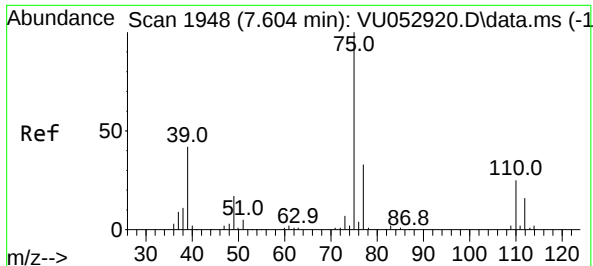
Ion Ratio Lower Upper

83 100

85 64.1 45.2 84.0

127 8.8 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 46.752 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

Instrument :

MSVOA_U

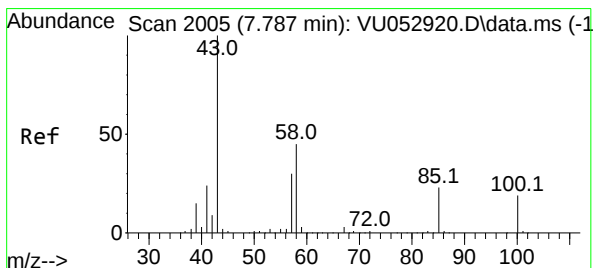
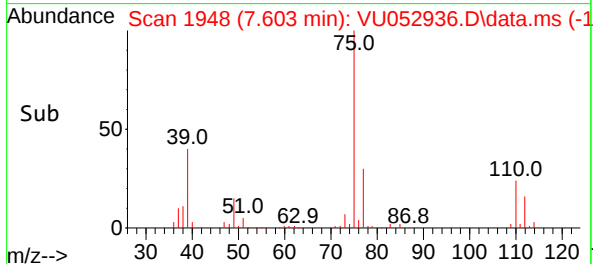
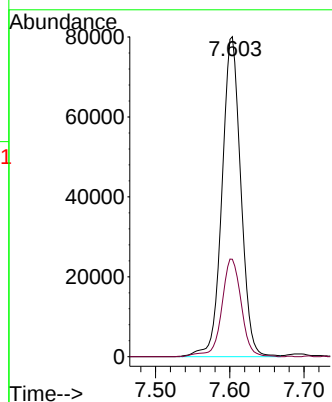
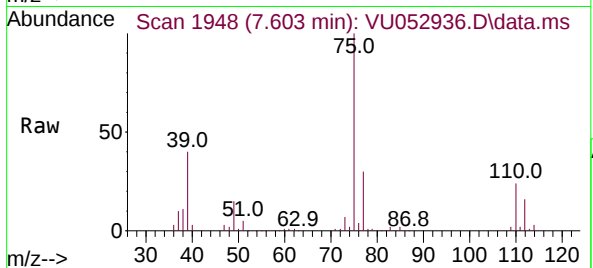
ClientSampleId :

Tgt Ion: 75 Resp: 141222

Ion Ratio Lower Upper

75 100

77 30.4 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 82.587 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

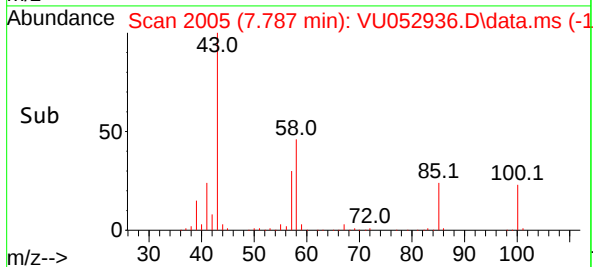
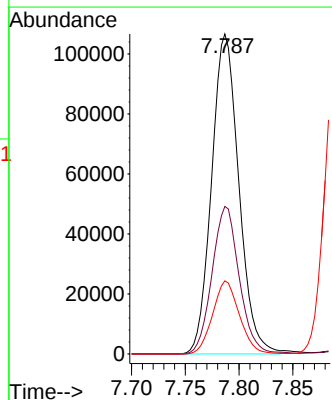
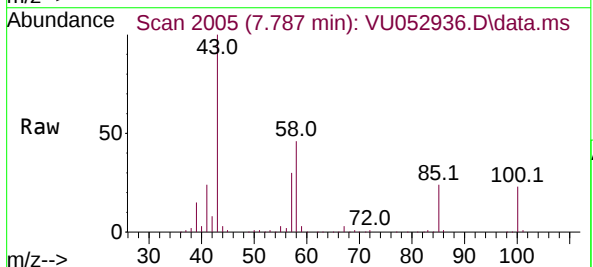
Tgt Ion: 43 Resp: 187623

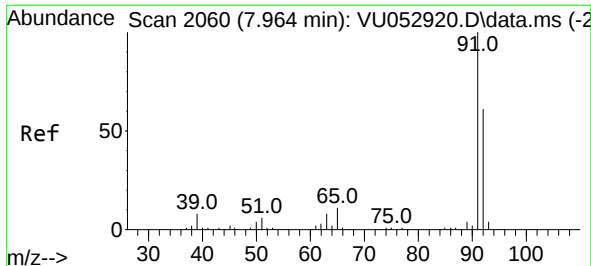
Ion Ratio Lower Upper

43 100

58 46.1 35.4 53.2

100 22.4 16.0 24.0





#42

Toluene

Concen: 48.951 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

Instrument :

MSVOA_U

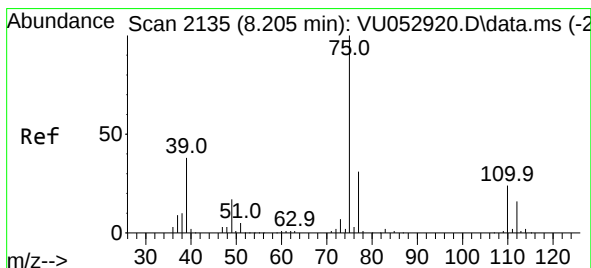
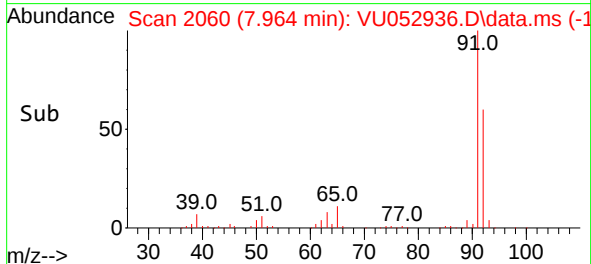
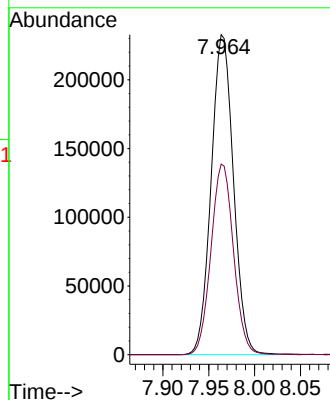
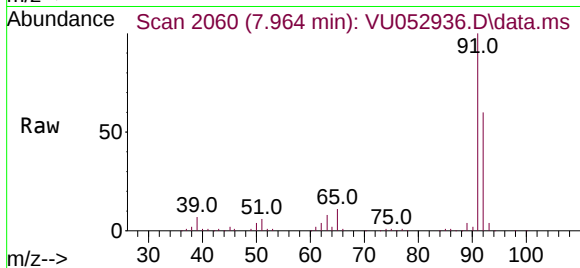
ClientSampleId :

Tgt Ion: 91 Resp: 393494

Ion Ratio Lower Upper

91 100

92 59.5 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 47.141 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU052936.D

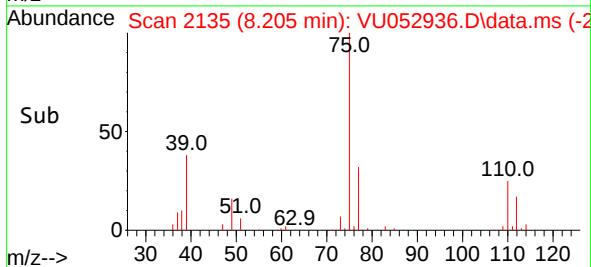
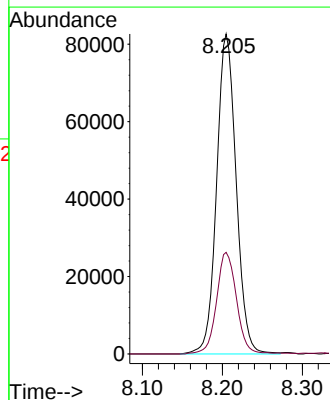
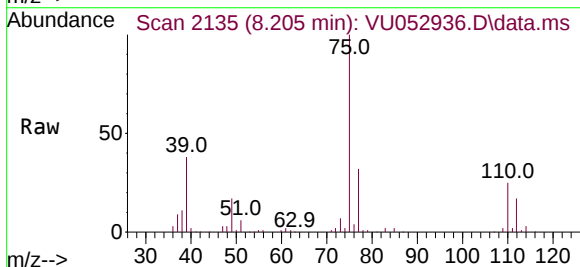
Acq: 02 Feb 2023 19:44

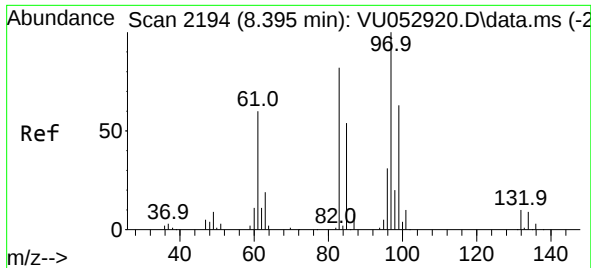
Tgt Ion: 75 Resp: 139940

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.3



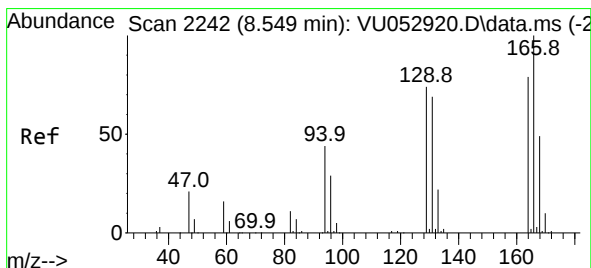
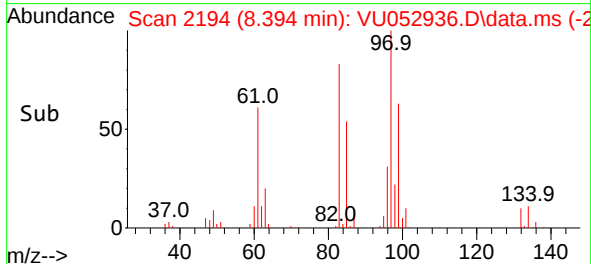
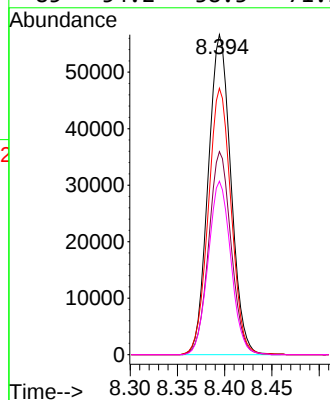
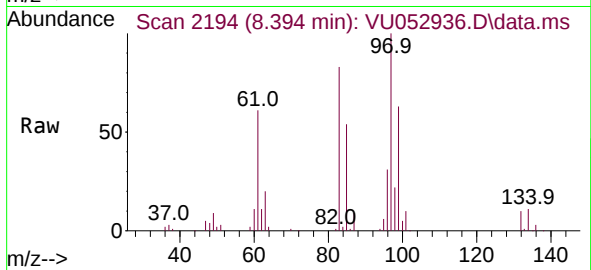


#45
1,1,2-Trichloroethane
Concen: 48.138 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 94926

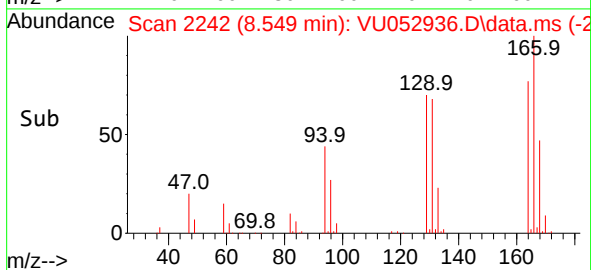
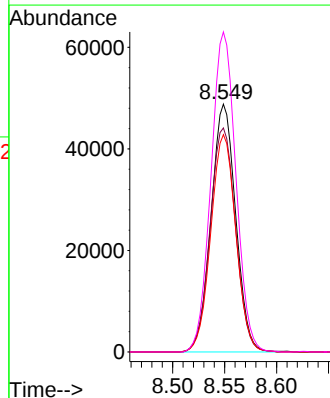
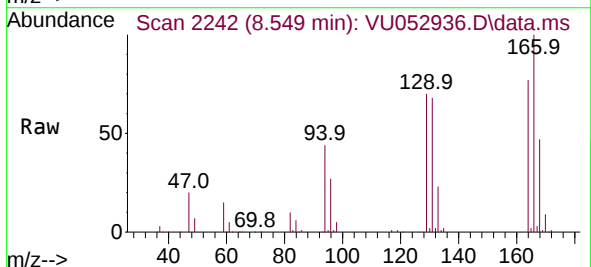
Ion	Ratio	Lower	Upper
97	100		
99	63.5	44.7	83.1
83	83.3	60.3	112.1
85	54.2	38.3	71.1

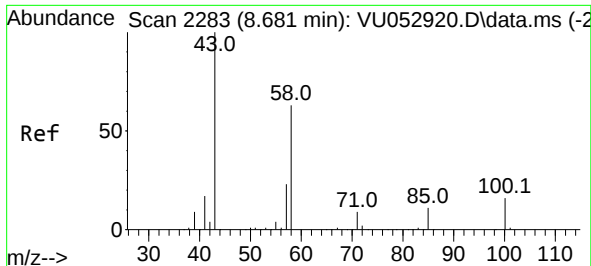


#46
Tetrachloroethene
Concen: 46.970 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

Tgt Ion: 164 Resp: 80631

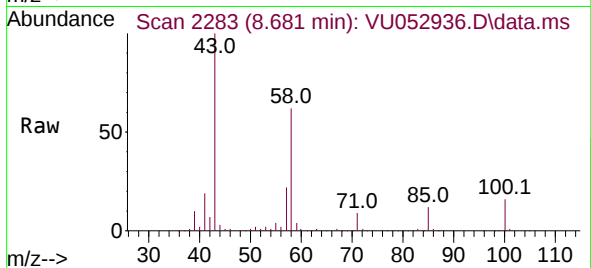
Ion	Ratio	Lower	Upper
164	100		
129	90.4	64.8	120.3
131	87.7	61.2	113.6
166	129.1	89.2	165.8



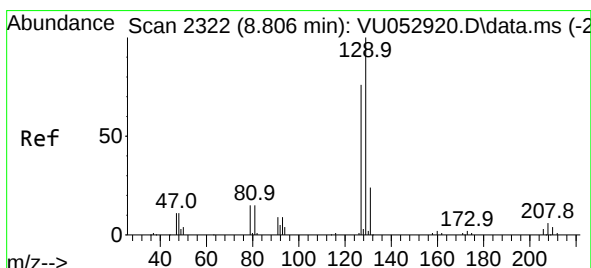
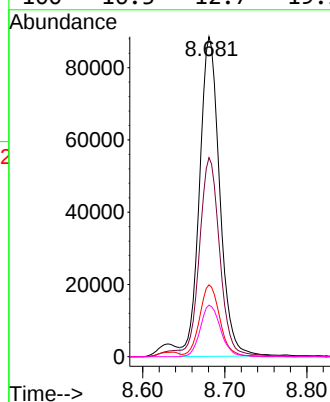
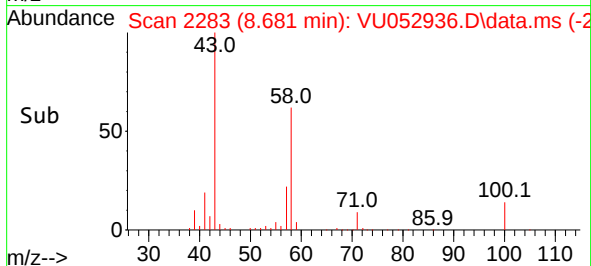


#48
2-Hexanone
Concen: 78.606 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

Instrument :
MSVOA_U
ClientSampleId :

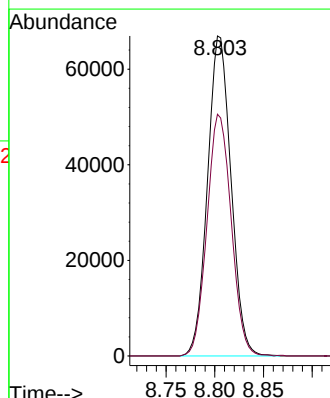
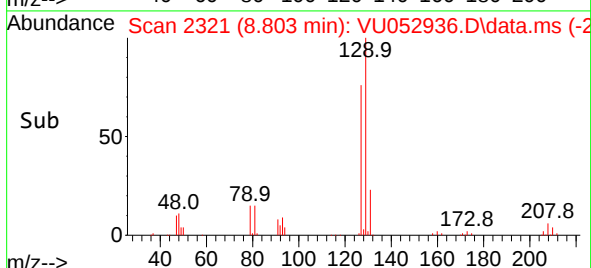
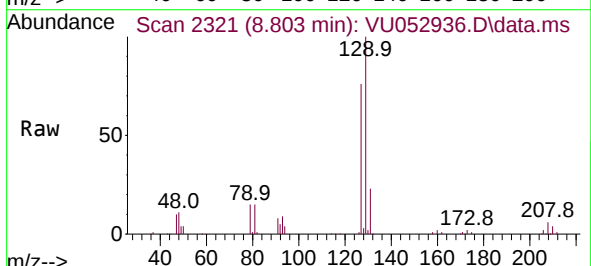


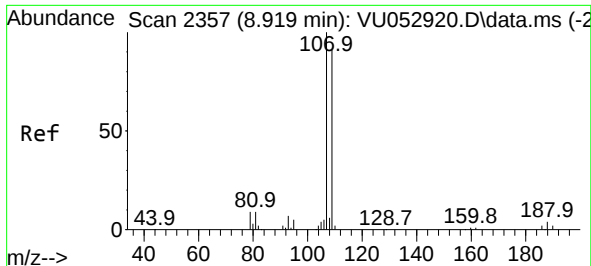
Tgt Ion: 43	Resp: 151076
Ion Ratio	Lower Upper
43 100	
58 62.8	48.0 72.0
57 21.9	16.8 25.2
100 16.3	12.7 19.1



#49
Dibromochloromethane
Concen: 47.681 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

Tgt Ion:129	Resp: 112439		
Ion Ratio	Lower	Upper	
129 100			
127 75.6	53.2	98.8	





#50

1,2-Dibromoethane

Concen: 47.723 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.000 min

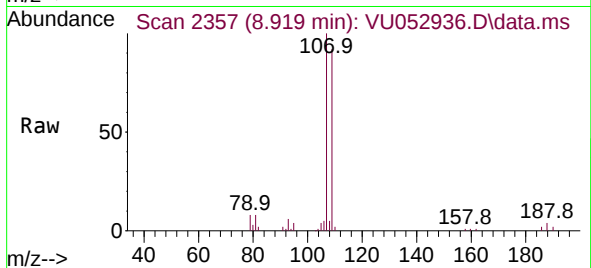
Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

Instrument :

MSVOA_U

ClientSampleId :



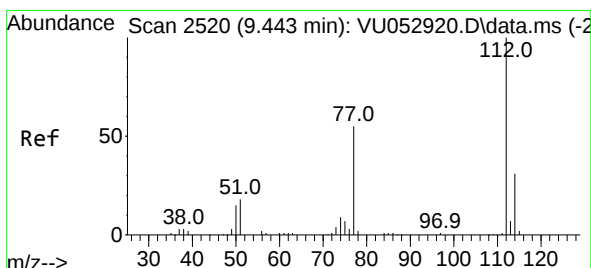
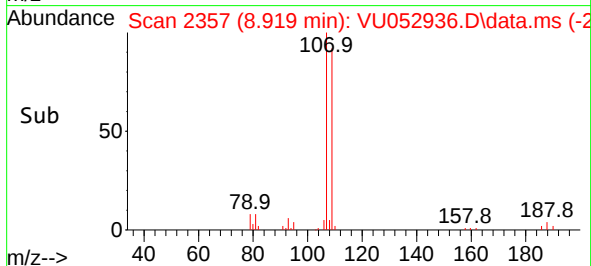
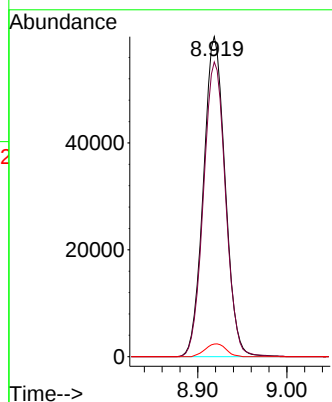
Tgt Ion:107 Resp: 101284

Ion Ratio Lower Upper

107 100

109 92.1 65.5 121.6

188 4.0 3.2 4.8



#51

Chlorobenzene

Concen: 47.628 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

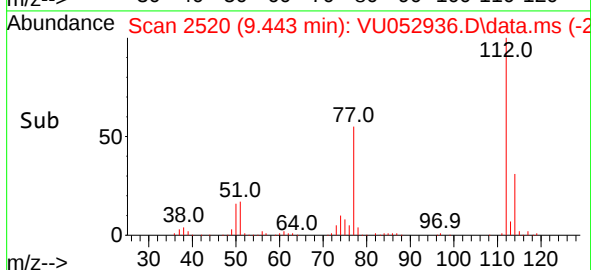
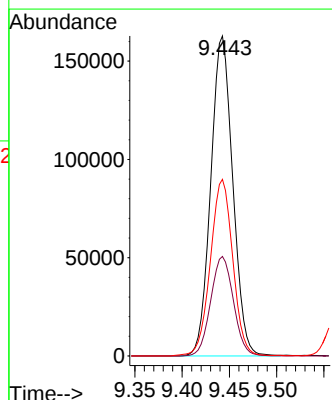
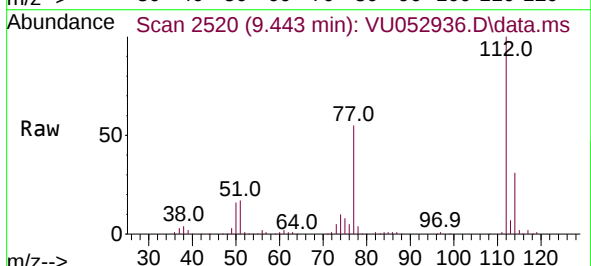
Tgt Ion:112 Resp: 263407

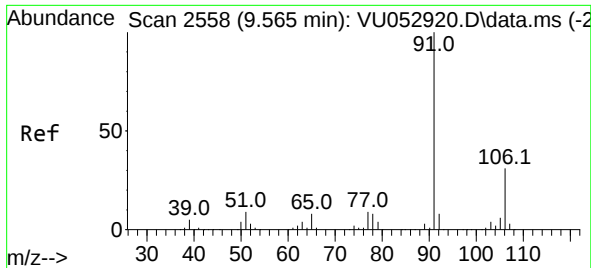
Ion Ratio Lower Upper

112 100

114 31.1 22.8 42.4

77 55.2 45.9 68.9

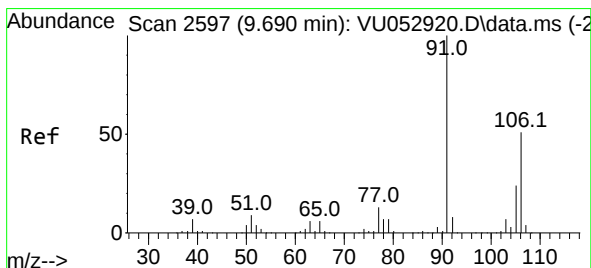
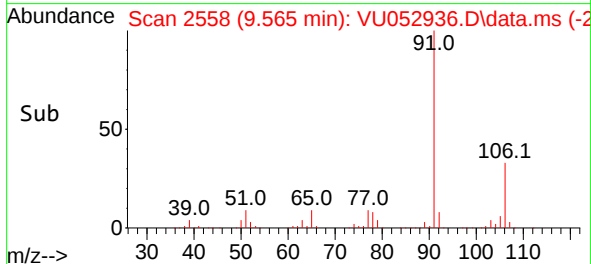
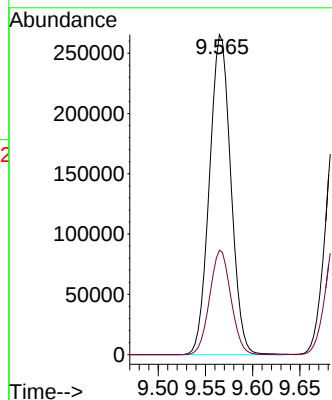
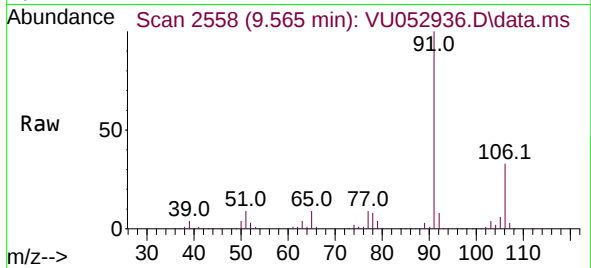




#52
Ethylbenzene
Concen: 48.614 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

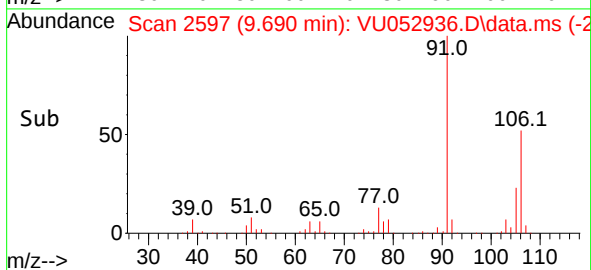
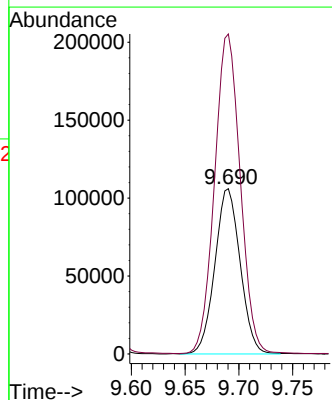
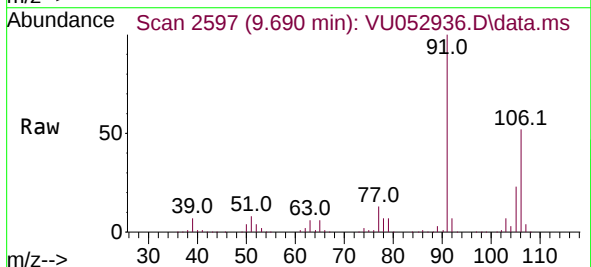
Instrument :
MSVOA_U
ClientSampleId :

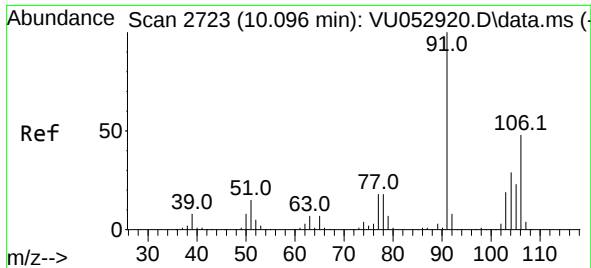
Tgt Ion: 91 Resp: 417622
Ion Ratio Lower Upper
91 100
106 32.7 22.0 40.8



#53
m,p-Xylene
Concen: 49.920 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

Tgt Ion: 106 Resp: 173610
Ion Ratio Lower Upper
106 100
91 193.5 137.4 255.2

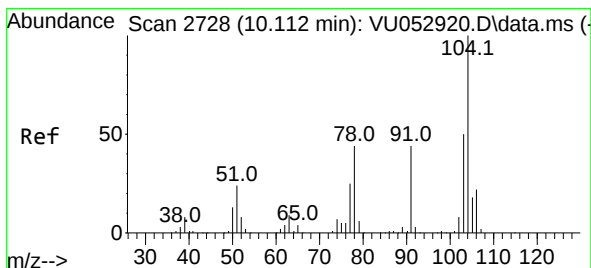
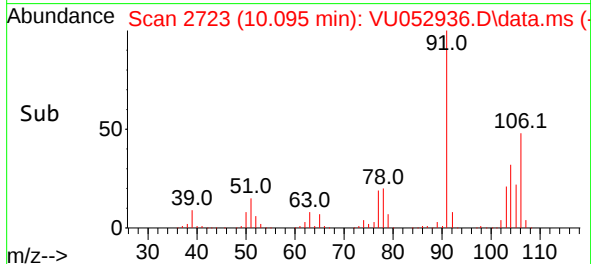
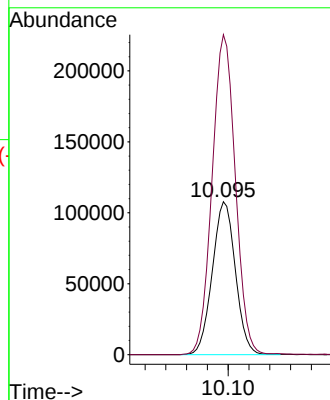
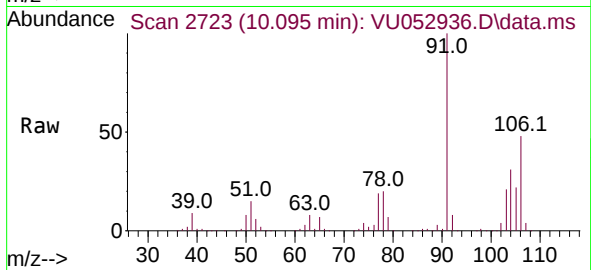




#54
o-xylene
Concen: 50.088 ug/L
RT: 10.095 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

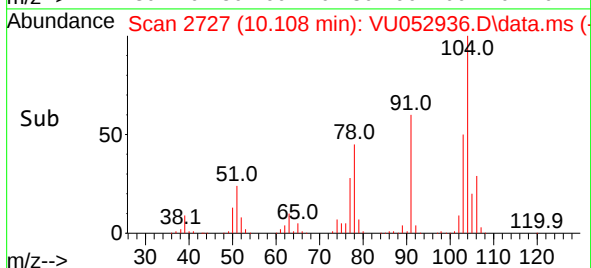
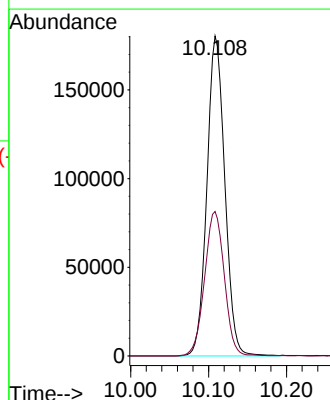
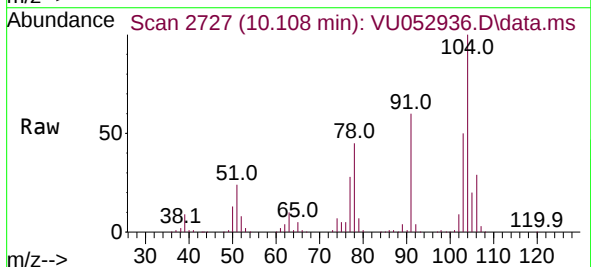
Instrument :
MSVOA_U
ClientSampleId :

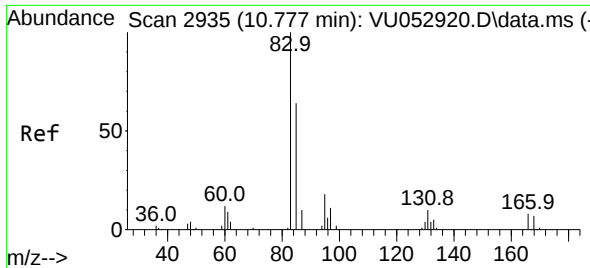
Tgt Ion:106 Resp: 166293
Ion Ratio Lower Upper
106 100
91 209.3 143.4 266.2



#55
Styrene
Concen: 50.561 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

Tgt Ion:104 Resp: 288052
Ion Ratio Lower Upper
104 100
78 45.2 31.9 59.2



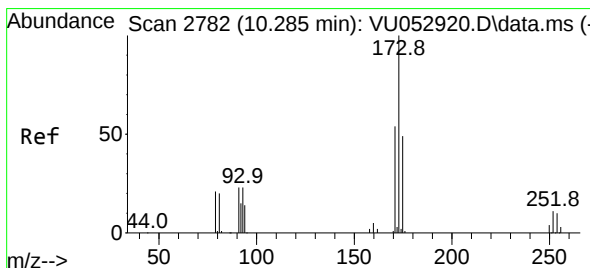
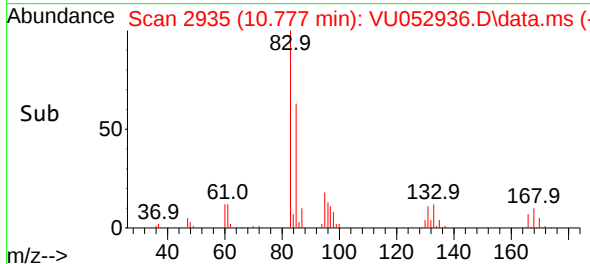
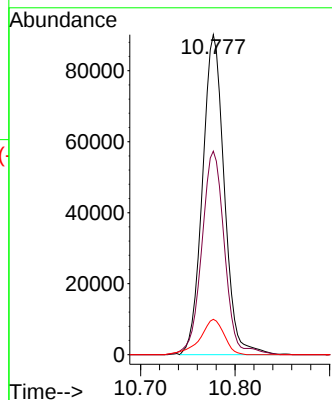
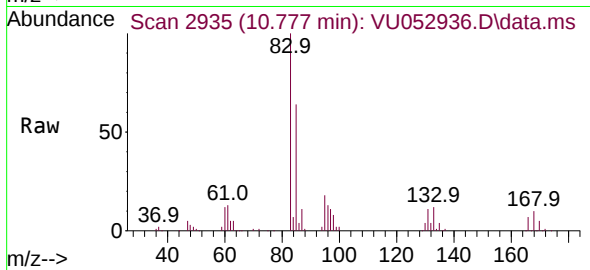


#57
 1,1,2,2-Tetrachloroethane
 Concen: 45.266 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VU052936.D
 Acq: 02 Feb 2023 19:44

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 83 Resp: 144457

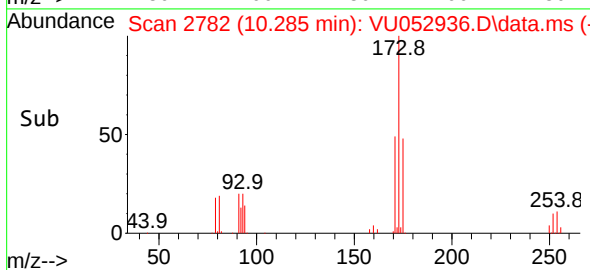
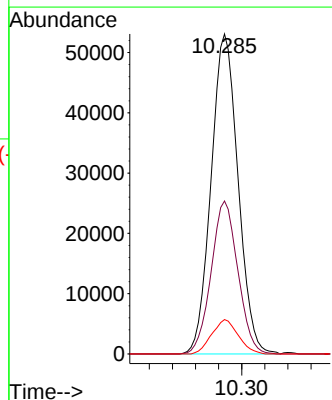
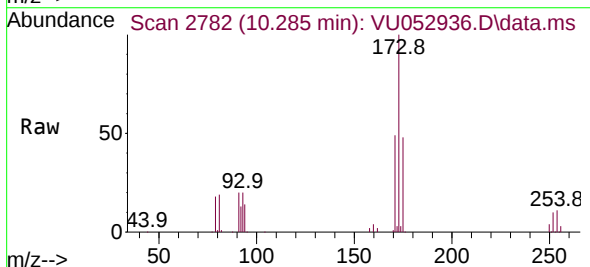
Ion	Ratio	Lower	Upper
83	100		
85	63.6	45.0	83.6
131	11.1	8.6	12.8

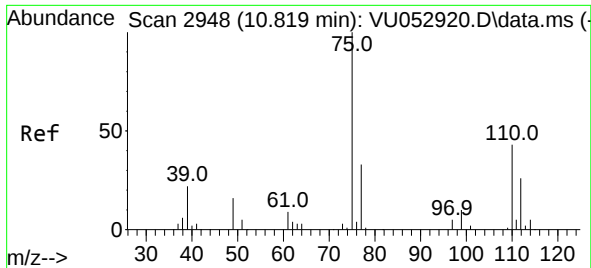


#59
 Bromoform
 Concen: 46.712 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. -0.000 min
 Lab File: VU052936.D
 Acq: 02 Feb 2023 19:44

Tgt Ion: 173 Resp: 85955

Ion	Ratio	Lower	Upper
173	100		
175	47.3	37.7	56.5
254	10.6	8.3	12.5

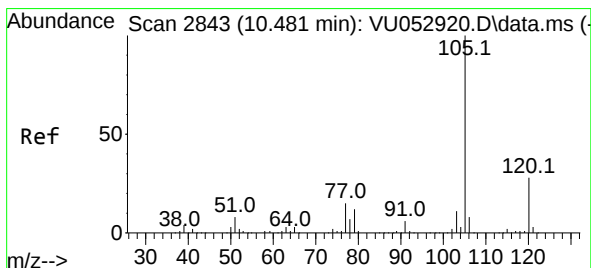
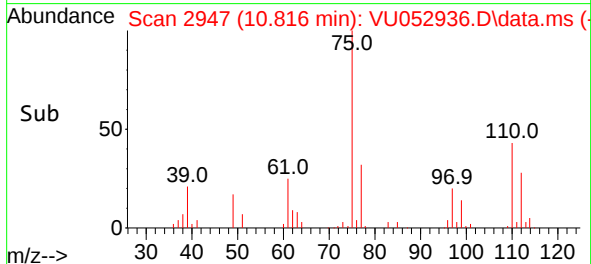
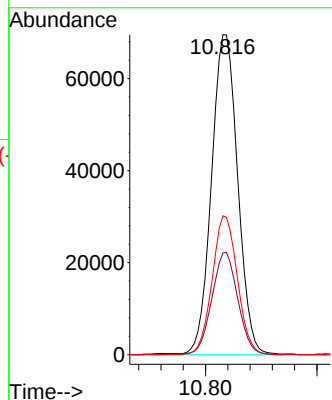
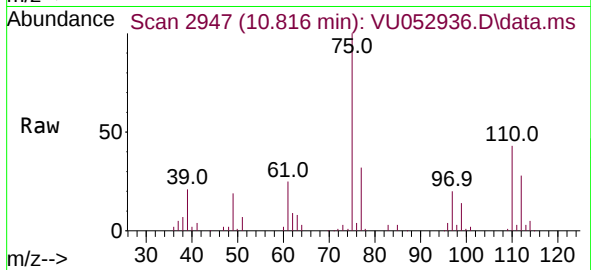




#60
1,2,3-Trichloropropane
Concen: 43.583 ug/L
RT: 10.816 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

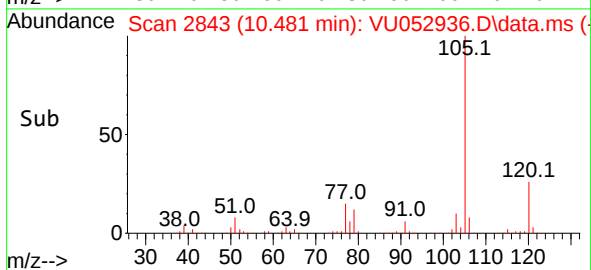
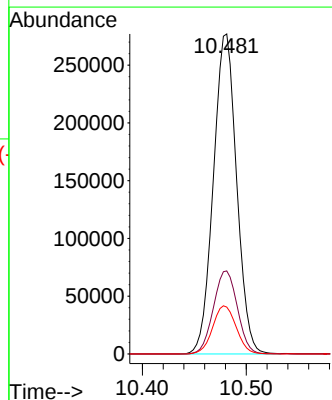
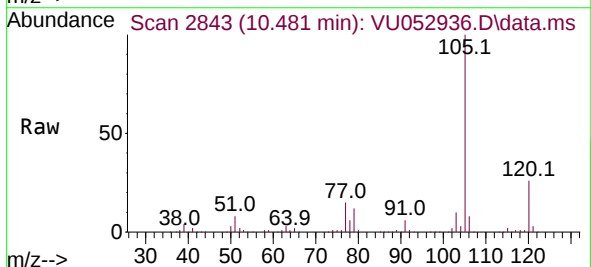
Instrument :
MSVOA_U
ClientSampleId :

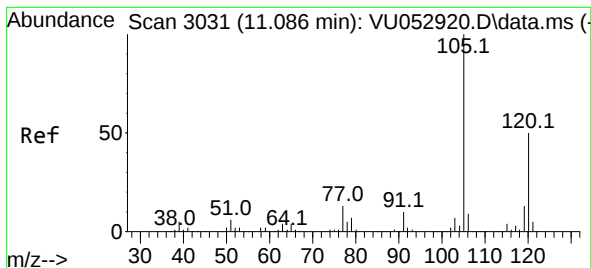
Tgt Ion: 75 Resp: 113521
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.8
110 41.8 32.4 48.6



#61
Isopropylbenzene
Concen: 49.684 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

Tgt Ion: 105 Resp: 430886
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.2
77 15.2 12.2 18.2





#62

1,3,5-Trimethylbenzene

Concen: 50.377 ug/L

RT: 11.082 min Scan# 3031

Delta R.T. -0.003 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

Instrument :

MSVOA_U

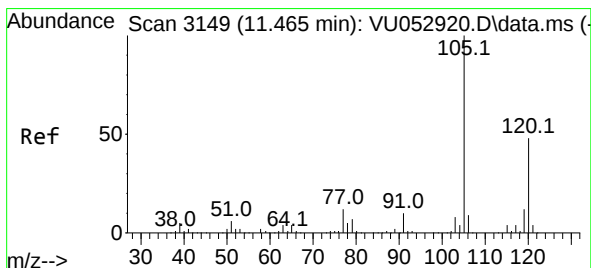
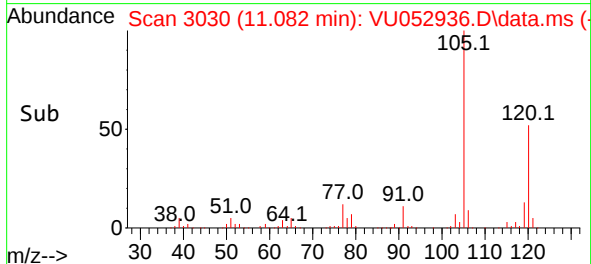
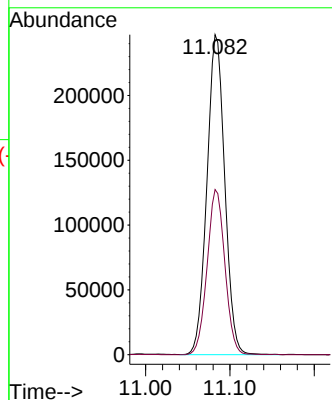
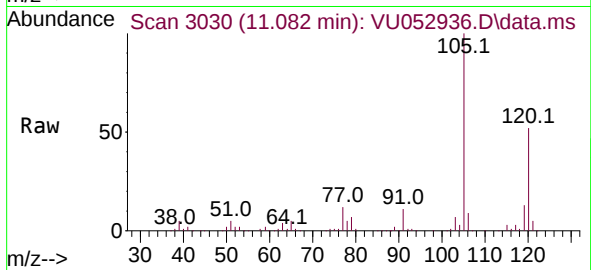
ClientSampleId :

Tgt Ion:105 Resp: 363773

Ion Ratio Lower Upper

105 100

120 51.4 40.4 60.6



#63

1,2,4-Trimethylbenzene

Concen: 51.520 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.003 min

Lab File: VU052936.D

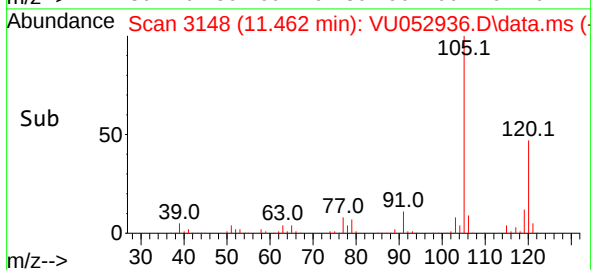
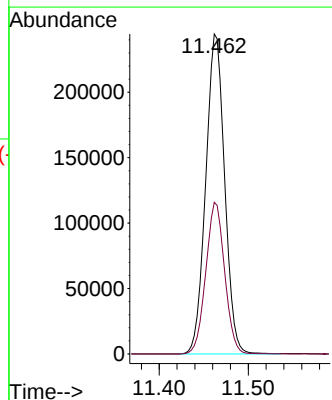
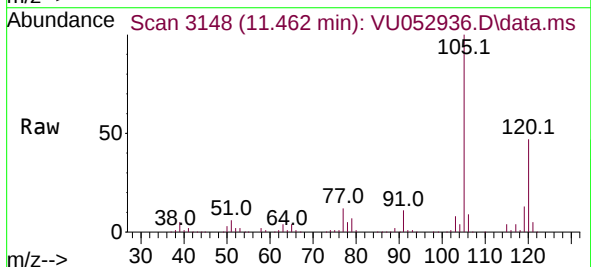
Acq: 02 Feb 2023 19:44

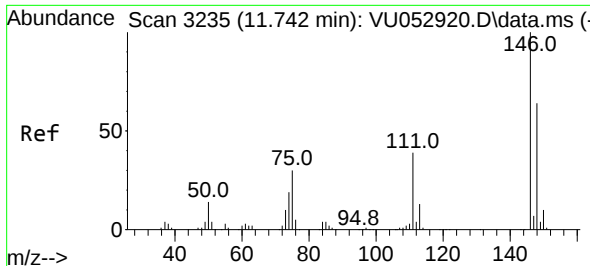
Tgt Ion:105 Resp: 359998

Ion Ratio Lower Upper

105 100

120 47.1 38.1 57.1

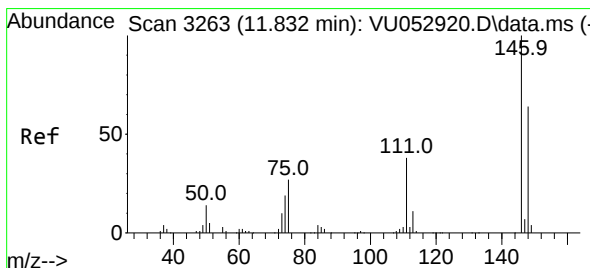
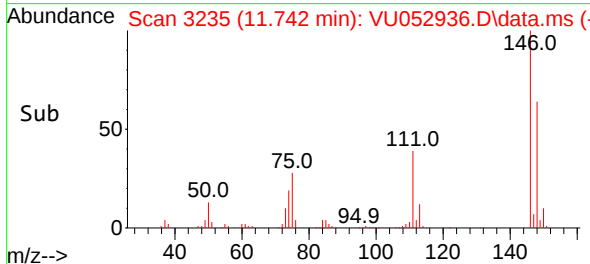
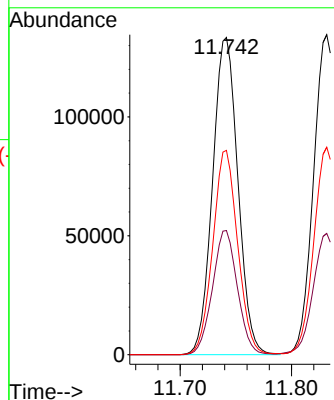
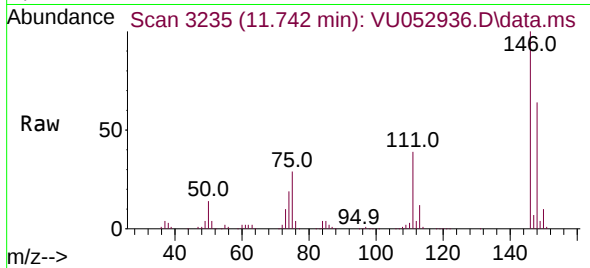




#64
1,3-Dichlorobenzene
Concen: 48.168 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

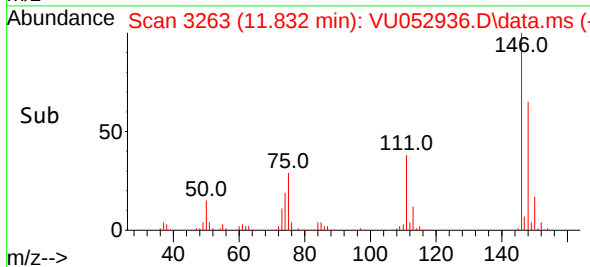
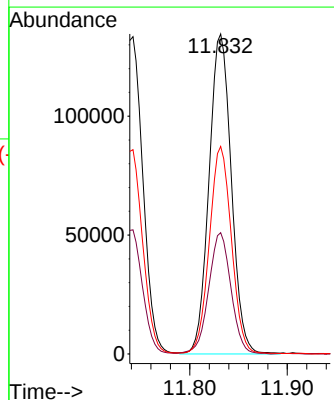
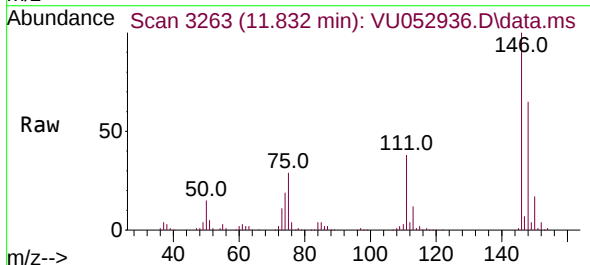
Instrument :
MSVOA_U
ClientSampleId :

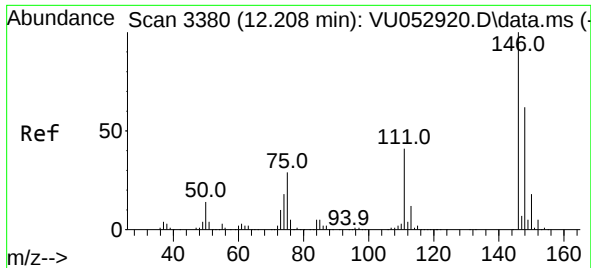
Tgt Ion:146 Resp: 210757
Ion Ratio Lower Upper
146 100
111 39.2 27.8 51.6
148 64.4 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 47.199 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

Tgt Ion:146 Resp: 213796
Ion Ratio Lower Upper
146 100
111 37.9 26.7 49.7
148 64.9 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 49.111 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

Instrument :

MSVOA_U

ClientSampleId :

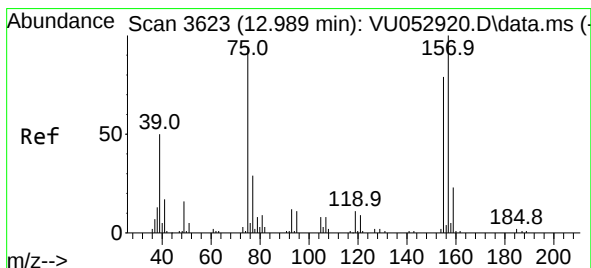
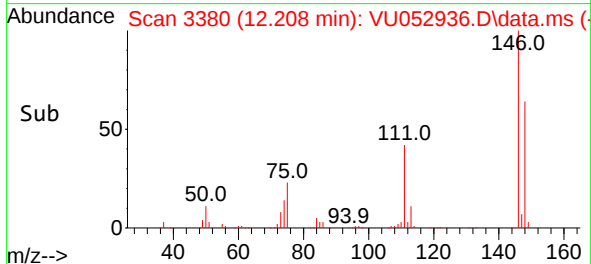
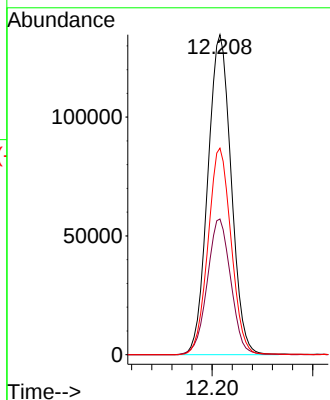
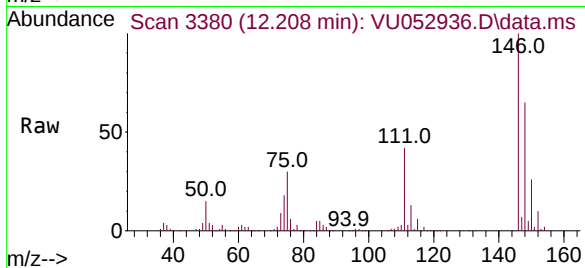
Tgt Ion:146 Resp: 217349

Ion Ratio Lower Upper

146 100

111 42.4 33.2 49.8

148 64.5 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 42.067 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU052936.D

Acq: 02 Feb 2023 19:44

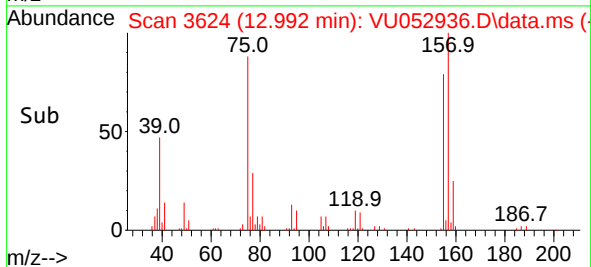
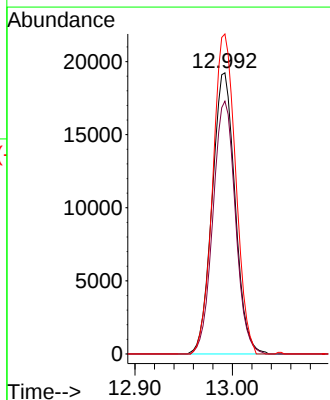
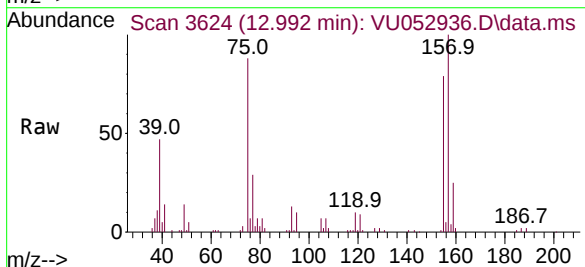
Tgt Ion: 75 Resp: 31408

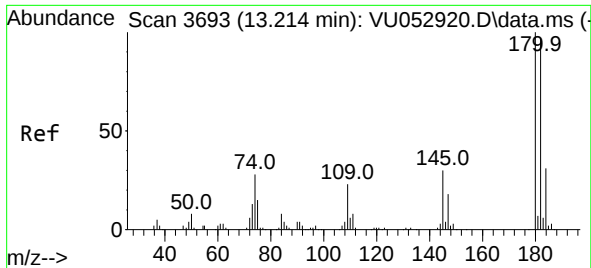
Ion Ratio Lower Upper

75 100

155 89.9 69.2 103.8

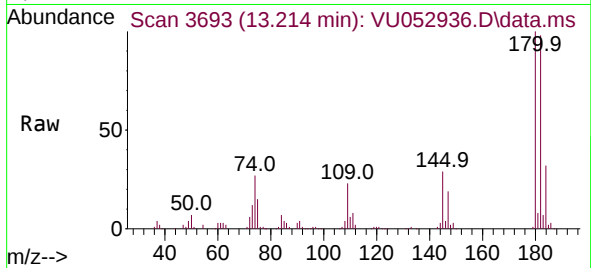
157 113.8 91.2 136.8



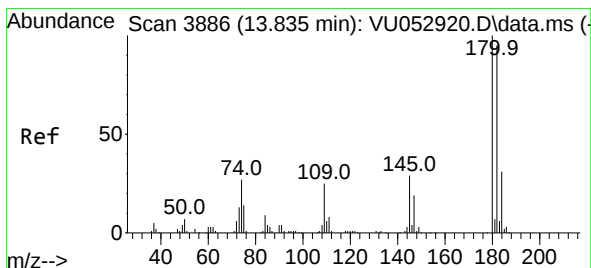
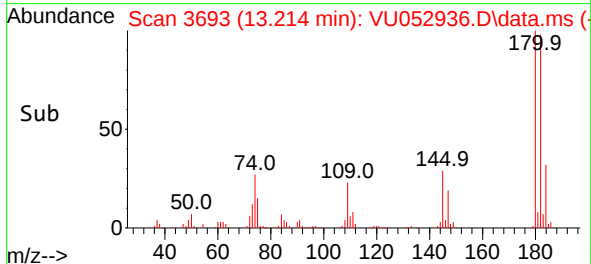
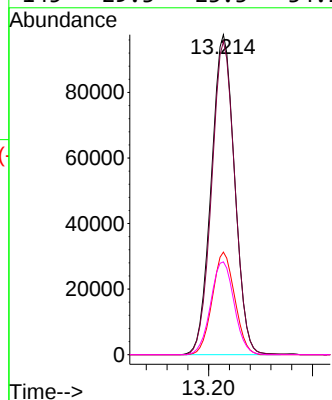


#69
1,3,5-Trichlorobenzene
Concen: 46.877 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. -0.000 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

Instrument :
MSVOA_U
ClientSampleId :

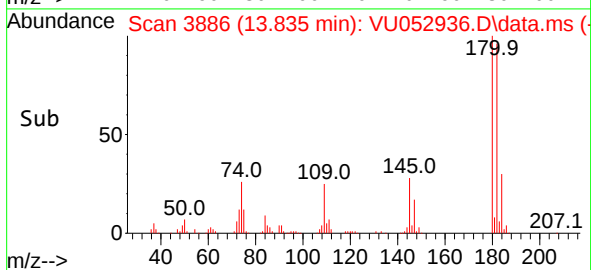
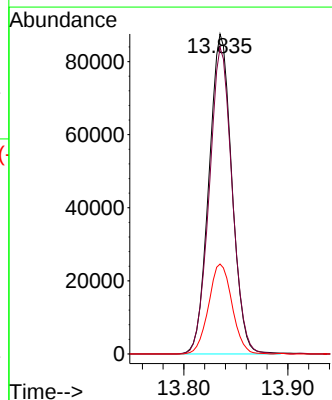
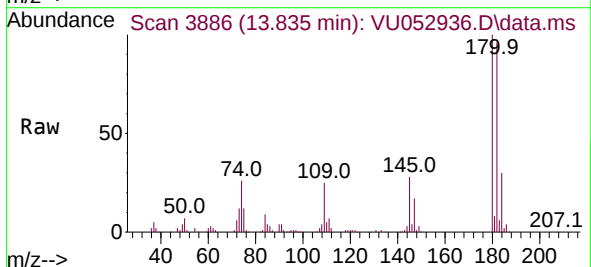


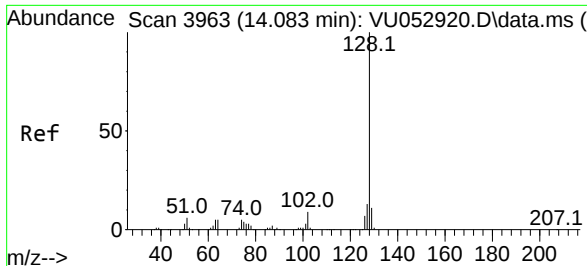
Tgt Ion:180 Resp: 151846
Ion Ratio Lower Upper
180 100
182 96.9 77.0 115.6
184 30.9 24.4 36.6
145 29.3 23.3 34.9



#70
1,2,4-trichlorobenzene
Concen: 49.330 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. -0.000 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

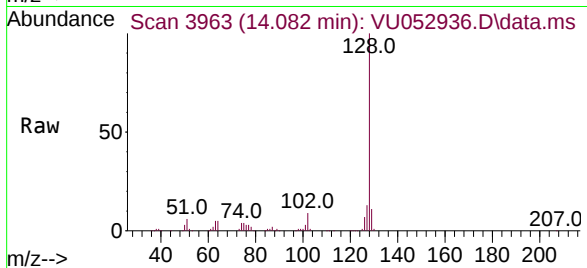
Tgt Ion:180 Resp: 133968
Ion Ratio Lower Upper
180 100
182 95.6 78.2 117.2
145 28.8 23.4 35.2



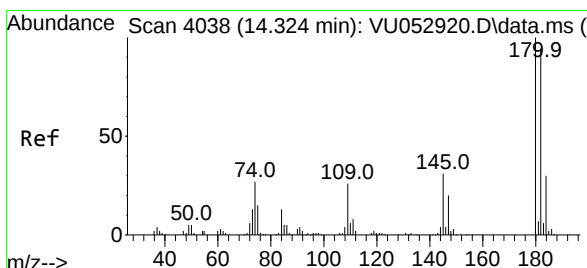
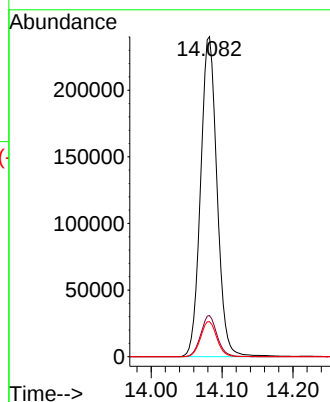
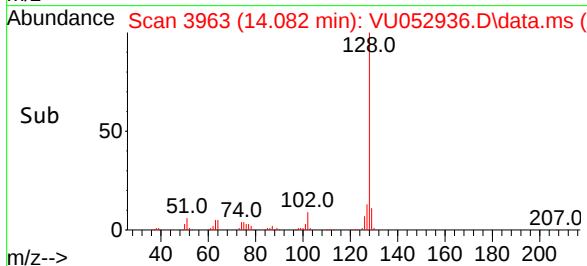


#71
Naphthalene
Concen: 49.533 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 386577
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.8 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 49.505 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU052936.D
Acq: 02 Feb 2023 19:44

Tgt Ion:180 Resp: 142082
Ion Ratio Lower Upper
180 100
182 94.1 77.5 116.3
145 30.6 24.2 36.4

