

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032423\
 Data File : VU053388.D
 Acq On : 24 Mar 2023 13:07
 Operator : JC/MD
 Sample : VSTD00515
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 24 22:45:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 24 22:43:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	143070	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	136574	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	69055	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	52336	6.848	ug/L	0.00
7) Chloroethane-d5	1.912	69	47540	6.693	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	65	22841	6.552	ug/L	0.00
20) 2-Butanone-d5	4.639	46	123136	56.814	ug/L	0.00
24) Chloroform-d	5.057	84	97270	5.845	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	50012	5.902	ug/L	0.00
32) Benzene-d6	5.723	84	198730	6.036	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	61837	5.519	ug/L	0.00
41) Toluene-d8	7.893	98	190155	6.270	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	23411	5.240	ug/L	0.00
46) 2-Hexanone-d5	8.629	63	101714	52.065	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	52681	5.546	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	66275	6.029	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	53124	5.058	ug/L	100
3) Chloromethane	1.517	50	51903	4.802	ug/L	100
5) Vinyl chloride	1.604	62	58684	4.948	ug/L	100
6) Bromomethane	1.858	94	35814	4.845	ug/L	100
8) Chloroethane	1.935	64	35587	5.014	ug/L	100
9) Trichlorofluoromethane	2.138	101	91720	5.440	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	47098	5.152	ug/L	100
12) 1,1-Dichloroethene	2.578	96	42026	5.001	ug/L	100
13) Acetone	2.655	43	68207	45.571	ug/L	100
14) Carbon disulfide	2.790	76	119821	4.793	ug/L	100
15) Methyl Acetate	2.954	43	16017	4.558	ug/L	100
16) Methylene chloride	3.041	84	47708	4.884	ug/L	100
17) Methyl tert-butyl Ether	3.356	73	101846	4.569	ug/L	100
18) trans-1,2-Dichloroethene	3.350	96	43147	4.836	ug/L	100
19) 1,1-Dichloroethane	3.861	63	80199	4.831	ug/L	100
21) 2-Butanone	4.723	43	103503	47.450	ug/L	100
22) cis-1,2-Dichloroethene	4.662	96	49964	4.958	ug/L	100
23) Bromochloromethane	4.970	128	20265	5.127	ug/L	100
25) Chloroform	5.083	83	81998	4.737	ug/L	100
27) 1,2-Dichloroethane	5.787	62	51263	4.818	ug/L	100
29) 1,1,1-Trichloroethane	5.311	97	70354	4.470	ug/L	100
30) Cyclohexane	5.382	56	73311	4.602	ug/L	100
31) Carbon tetrachloride	5.520	117	57219	4.374	ug/L	100
33) Benzene	5.768	78	181951	4.725	ug/L	100
34) Trichloroethene	6.539	95	48414	4.476	ug/L	100
35) Methylcyclohexane	6.758	83	85135	4.808	ug/L	100
37) 1,2-Dichloropropane	6.787	63	49029	4.686	ug/L	100
38) Bromodichloromethane	7.099	83	55056	4.139	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	72608	4.422	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	242414	44.837	ug/L	100
42) Toluene	7.964	91	200185	4.761	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	59941	4.409	ug/L	100

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

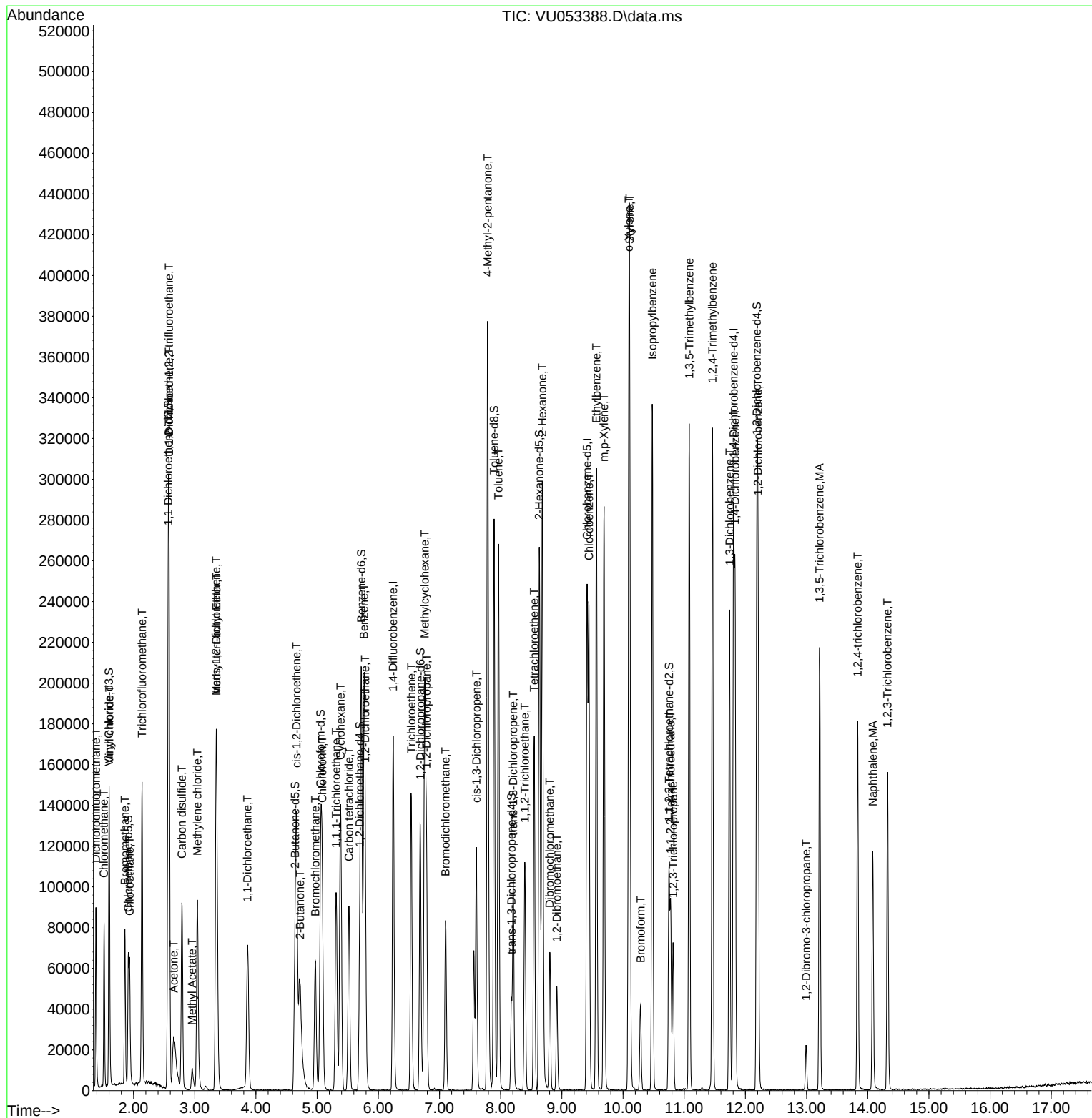
45) 1,1,2-Trichloroethane	8.398	97	35713	4.719	ug/L	100
47) Tetrachloroethene	8.549	164	35636	4.987	ug/L	100
48) 2-Hexanone	8.681	43	181286	45.460	ug/L	100
49) Dibromochloromethane	8.803	129	34626	4.291	ug/L	100
50) 1,2-Dibromoethane	8.919	107	33568	4.804	ug/L	100
51) Chlorobenzene	9.443	112	127954	4.864	ug/L	100
52) Ethylbenzene	9.565	91	217906	4.607	ug/L	100
53) m,p-Xylene	9.690	106	85302	4.791	ug/L	100
54) o-Xylene	10.095	106	81056	4.717	ug/L	100
55) Styrene	10.108	104	130854	4.721	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	44036	4.621	ug/L	100
59) Bromoform	10.288	173	17565	3.771	ug/L	100
60) Isopropylbenzene	10.478	105	215950	4.477	ug/L	100
61) 1,2,3-Trichloropropane	10.819	75	30204	4.678	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	178926	4.404	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	180900	4.443	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	94729	4.775	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	93470	4.697	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	88643	4.785	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	6030	4.159	ug/L	100
69) 1,3,5-Trichlorobenzene	13.214	180	64168	4.579	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	52692	4.556	ug/L	100
71) Naphthalene	14.082	128	96599	4.211	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	45181	4.444	ug/L	100

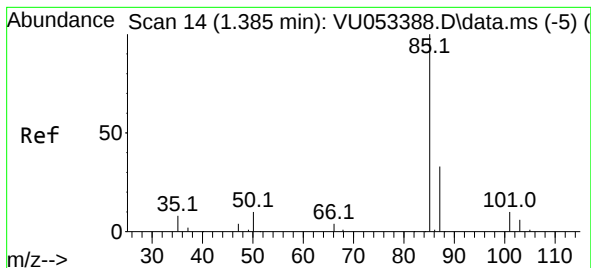
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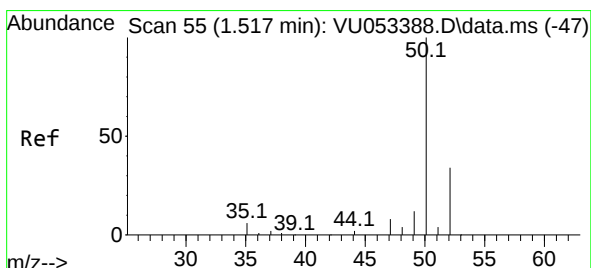
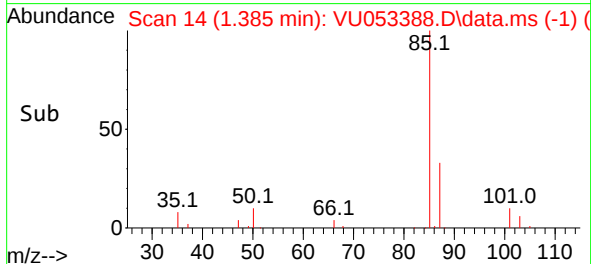
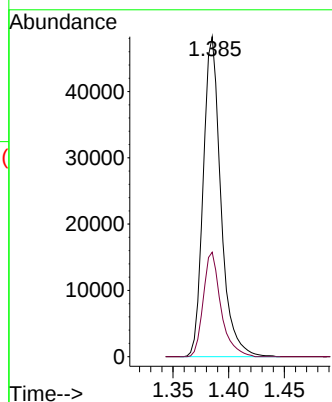
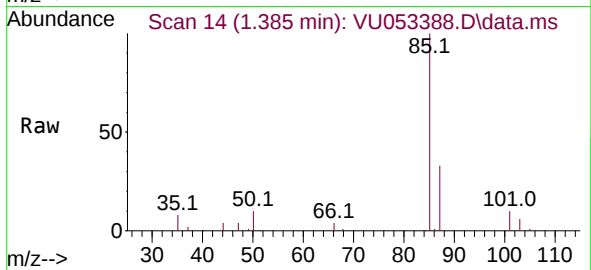




#2
 Dichlorodifluoromethane
 Concen: 5.058 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VU053388.D
 Acq: 24 Mar 2023 13:07

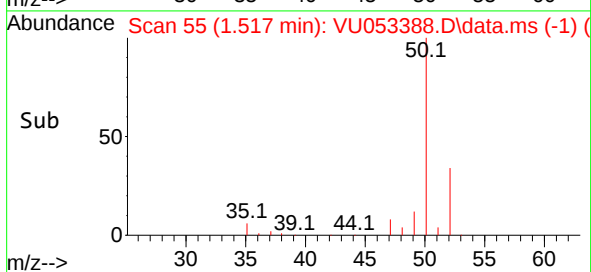
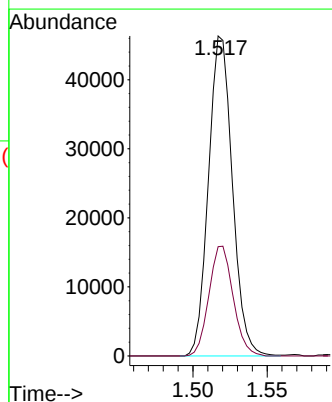
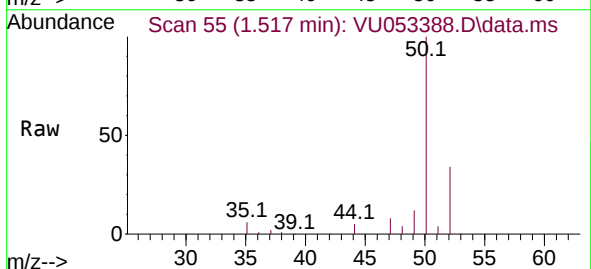
Instrument :
 MSVOA_U
 ClientSampleId :

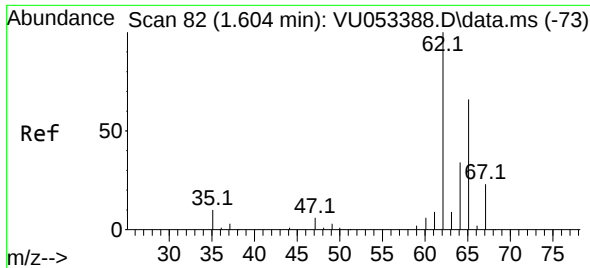
Tgt Ion: 85 Resp: 53124
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.1 39.1



#3
 Chloromethane
 Concen: 4.802 ug/L
 RT: 1.517 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VU053388.D
 Acq: 24 Mar 2023 13:07

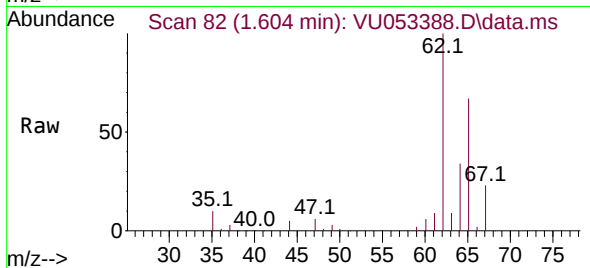
Tgt Ion: 50 Resp: 51903
 Ion Ratio Lower Upper
 50 100
 52 34.1 23.9 44.3



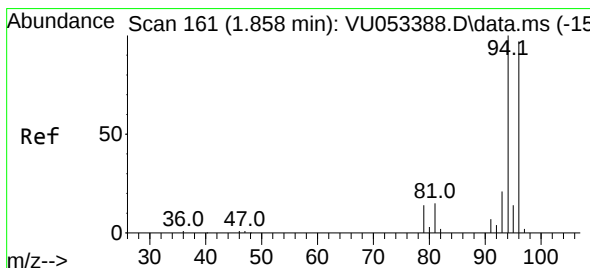
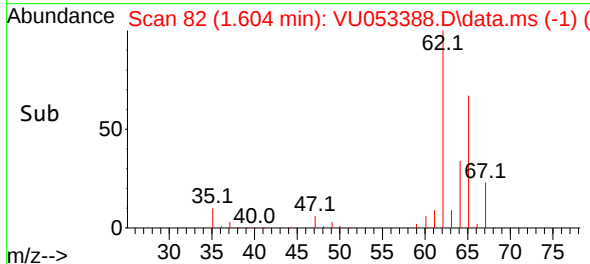
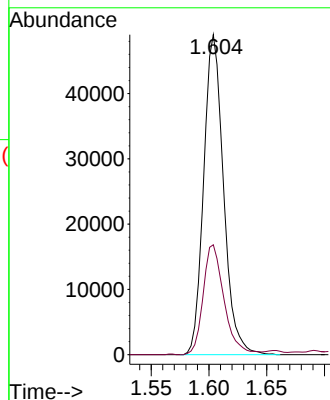


#5
 Vinyl chloride
 Concen: 4.948 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU053388.D
 Acq: 24 Mar 2023 13:07

Instrument :
 MSVOA_U
 ClientSampleId :

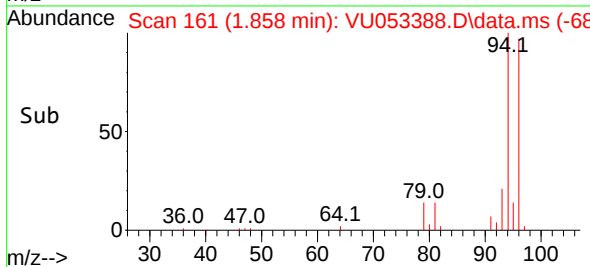
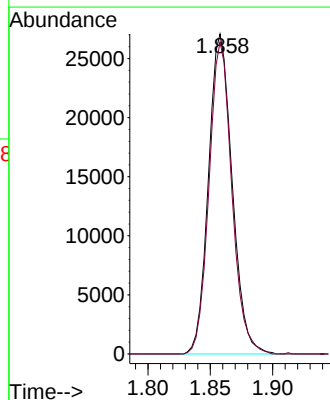
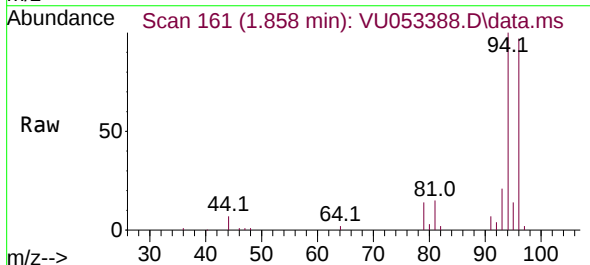


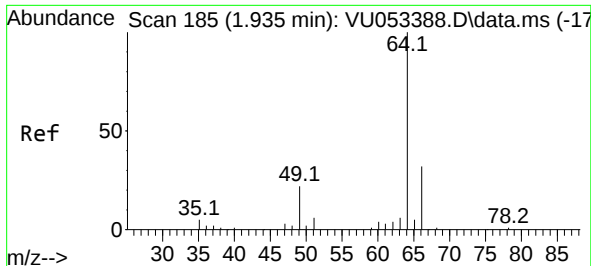
Tgt Ion: 62 Resp: 58684
 Ion Ratio Lower Upper
 62 100
 64 34.4 24.1 44.7



#6
 Bromomethane
 Concen: 4.845 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU053388.D
 Acq: 24 Mar 2023 13:07

Tgt Ion: 94 Resp: 35814
 Ion Ratio Lower Upper
 94 100
 96 97.5 68.3 126.8

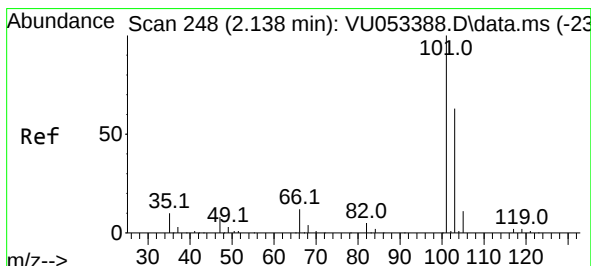
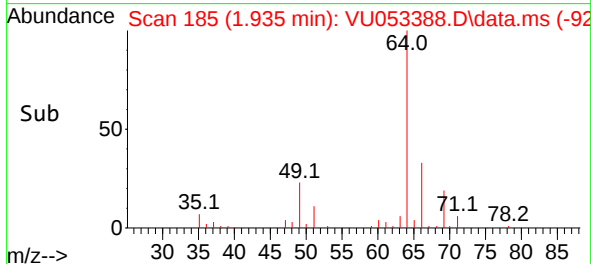
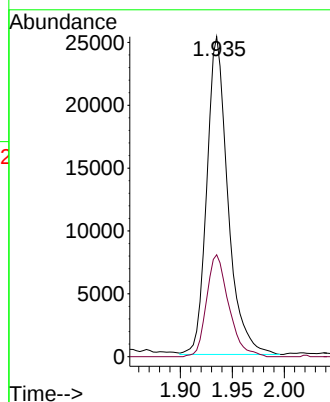
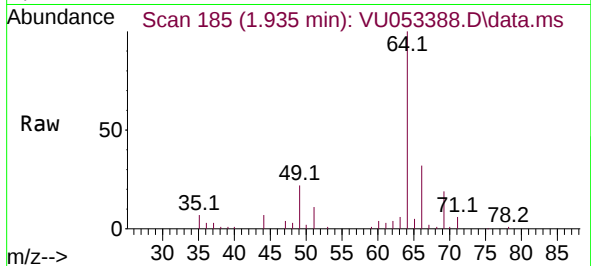




#8
Chloroethane
Concen: 5.014 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07

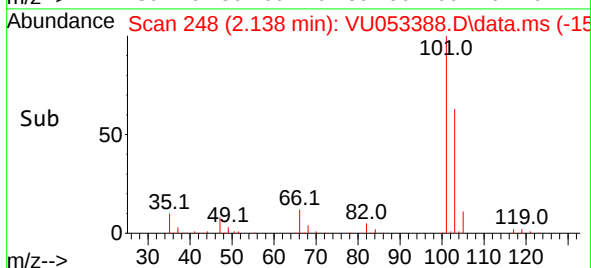
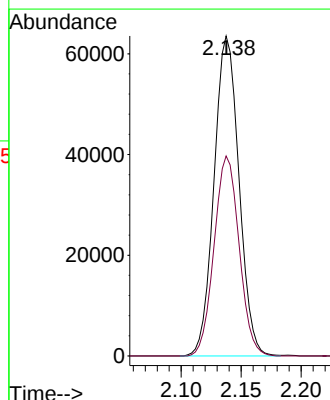
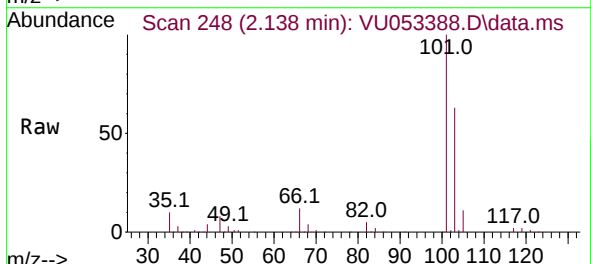
Instrument :
MSVOA_U
ClientSampleId :

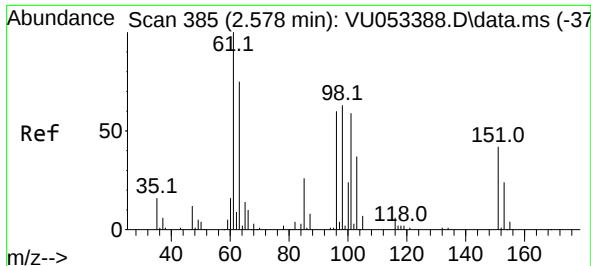
Tgt Ion: 64 Resp: 35587
Ion Ratio Lower Upper
64 100
66 31.9 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.440 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07

Tgt Ion:101 Resp: 91720
Ion Ratio Lower Upper
101 100
103 62.7 50.2 75.2





#10

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

Concen: 5.152 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :

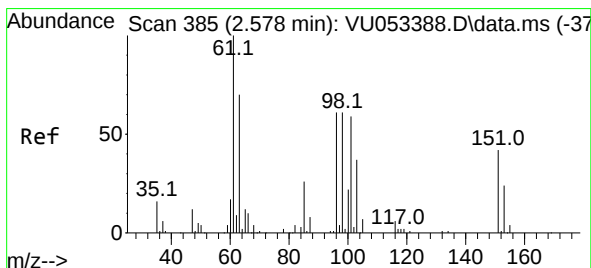
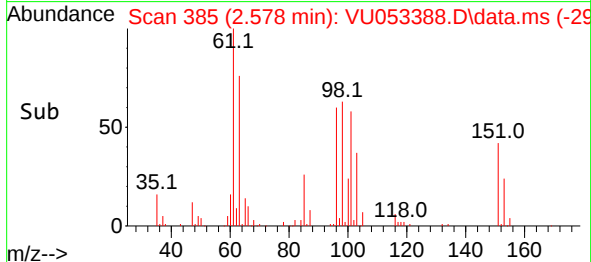
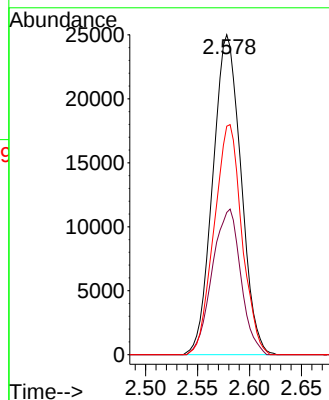
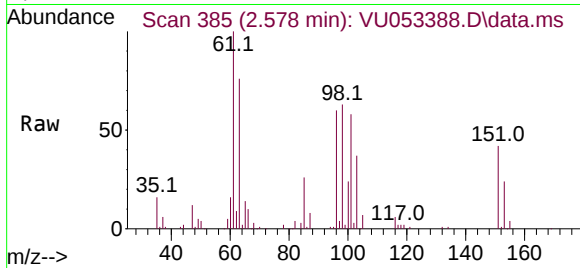
Tgt Ion:101 Resp: 47098

Ion Ratio Lower Upper

101 100

85 46.2 37.0 55.4

151 71.0 56.8 85.2



#12

1,1-Dichloroethene

Concen: 5.001 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

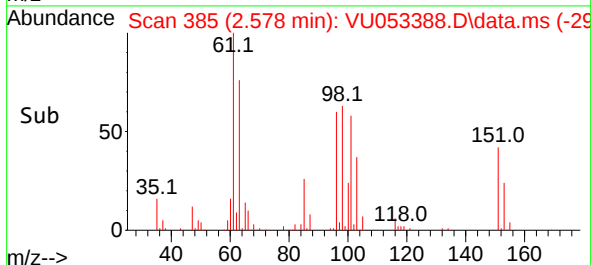
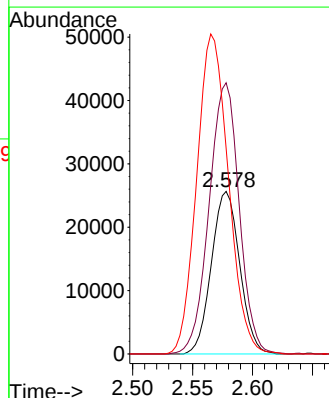
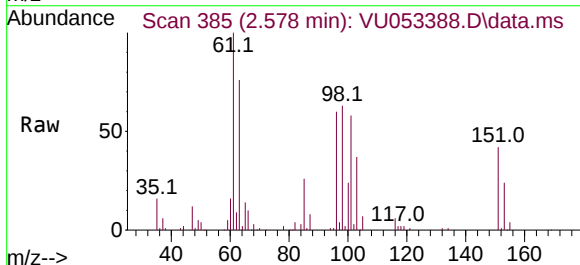
Tgt Ion: 96 Resp: 42026

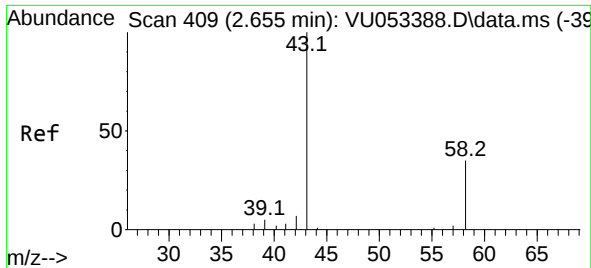
Ion Ratio Lower Upper

96 100

61 166.8 116.8 216.8

63 126.6 88.6 164.6





#13

Acetone

Concen: 45.571 ug/L

RT: 2.655 min Scan# 409

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

Instrument :

MSVOA_U

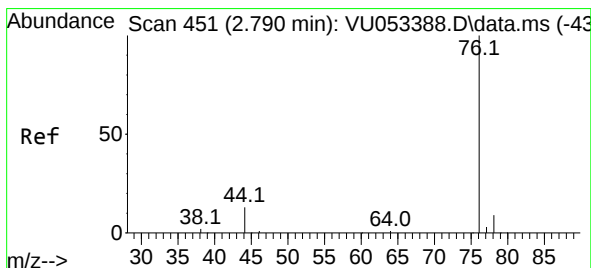
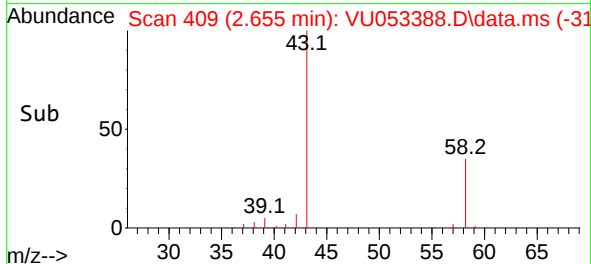
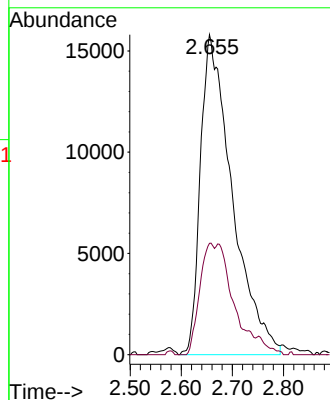
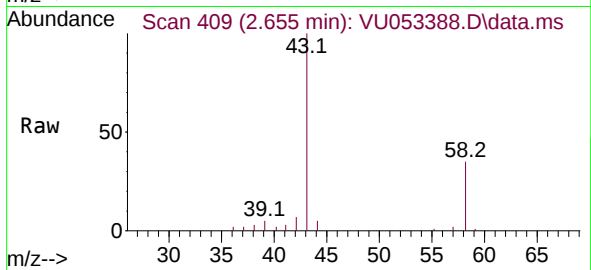
ClientSampleId :

Tgt Ion: 43 Resp: 68207

Ion Ratio Lower Upper

43 100

58 16.1 0.0 32.2



#14

Carbon disulfide

Concen: 4.793 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053388.D

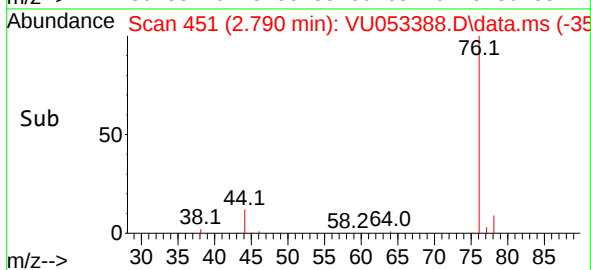
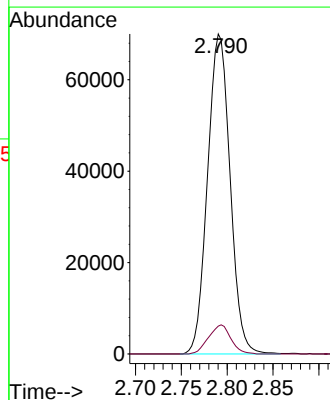
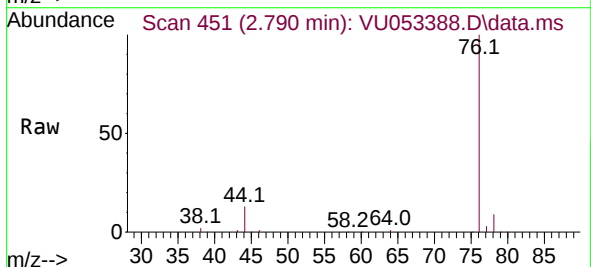
Acq: 24 Mar 2023 13:07

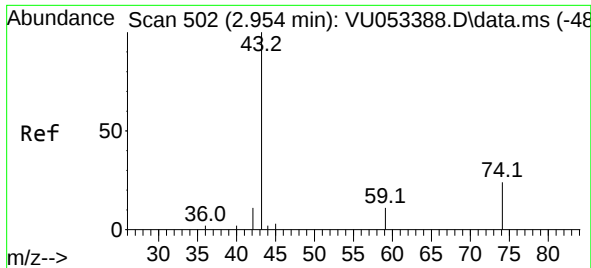
Tgt Ion: 76 Resp: 119821

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4

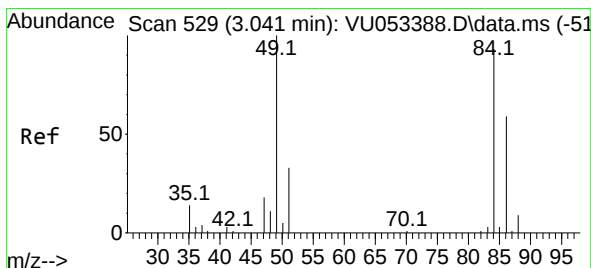
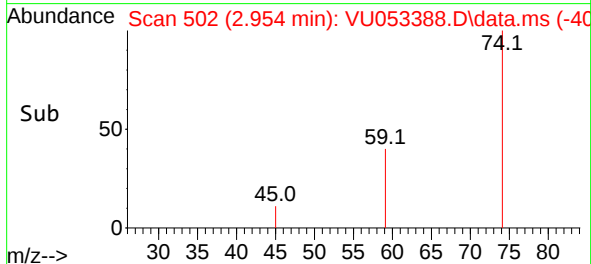
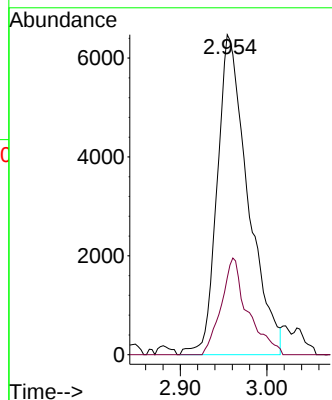
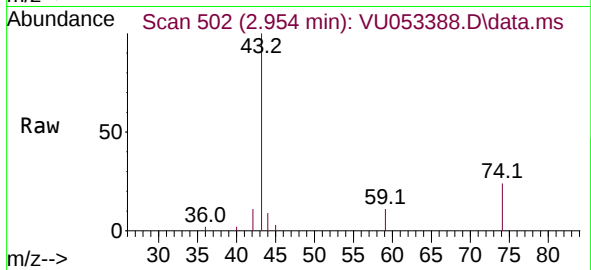




#15
Methyl Acetate
Concen: 4.558 ug/L
RT: 2.954 min Scan# 502
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07

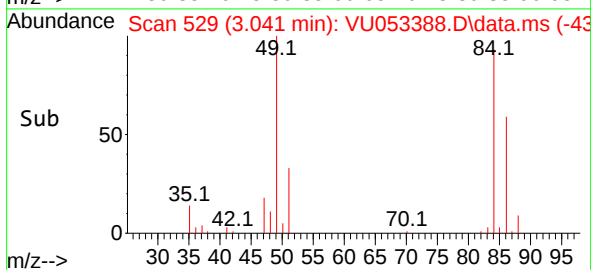
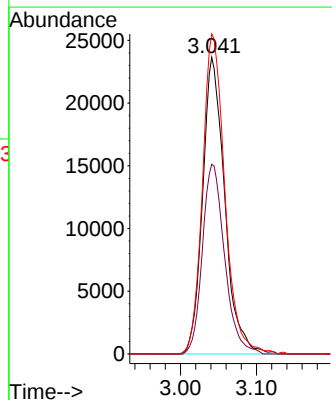
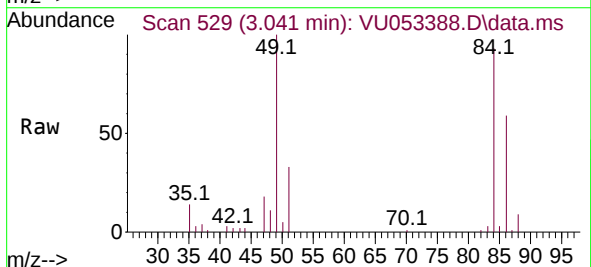
Instrument :
MSVOA_U
ClientSampleId :

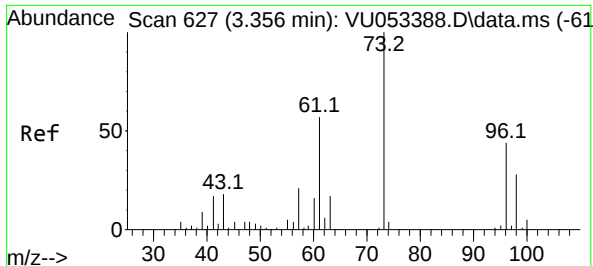
Tgt Ion: 43 Resp: 16017
Ion Ratio Lower Upper
43 100
74 26.0 20.8 31.2



#16
Methylene chloride
Concen: 4.884 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07

Tgt Ion: 84 Resp: 47708
Ion Ratio Lower Upper
84 100
86 63.9 44.7 83.1
49 107.8 75.5 140.1





#17

Methyl tert-butyl Ether

Concen: 4.569 ug/L

RT: 3.356 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :

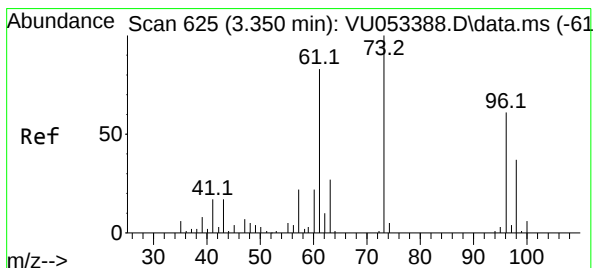
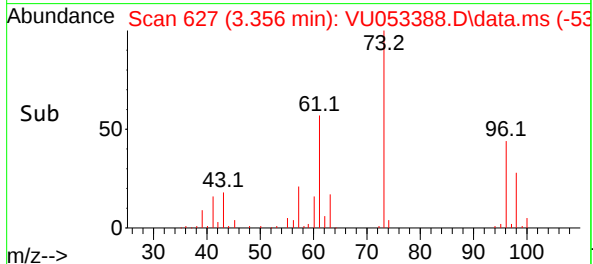
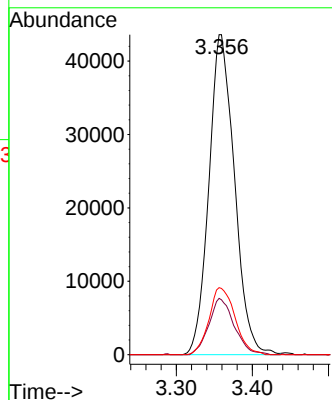
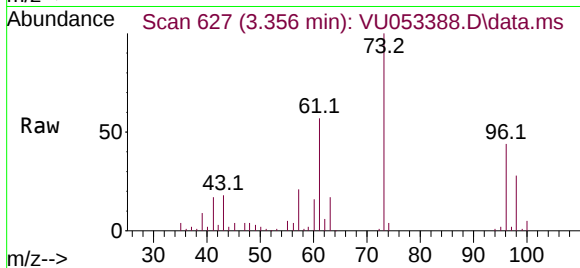
Tgt Ion: 73 Resp: 101846

Ion Ratio Lower Upper

73 100

43 17.4 13.9 20.9

57 21.3 17.0 25.6



#18

trans-1,2-Dichloroethene

Concen: 4.836 ug/L

RT: 3.350 min Scan# 625

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

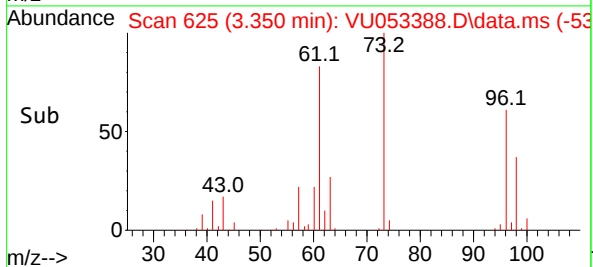
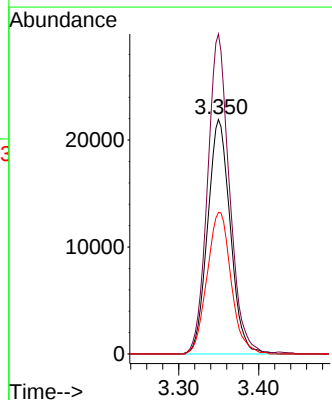
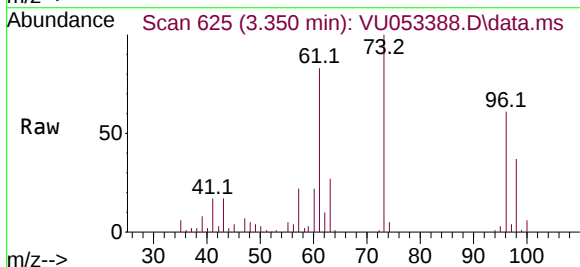
Tgt Ion: 96 Resp: 43147

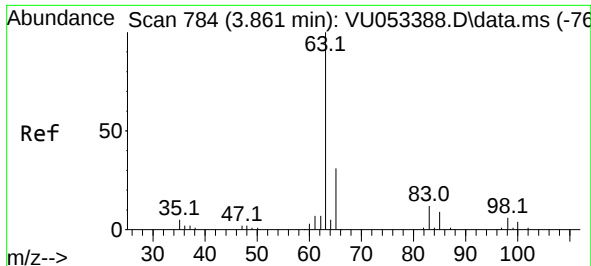
Ion Ratio Lower Upper

96 100

61 136.4 95.5 177.3

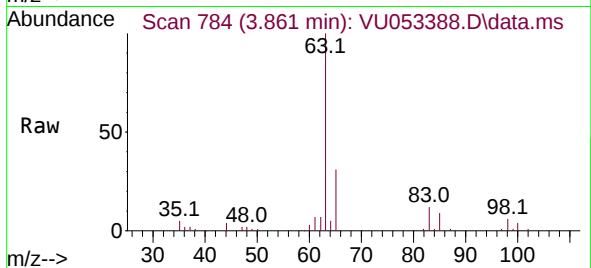
98 60.3 42.2 78.4



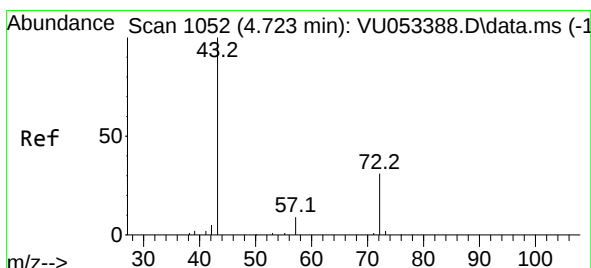
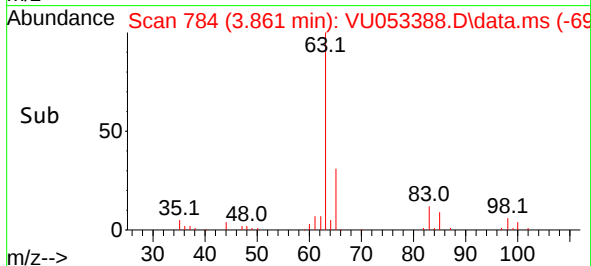
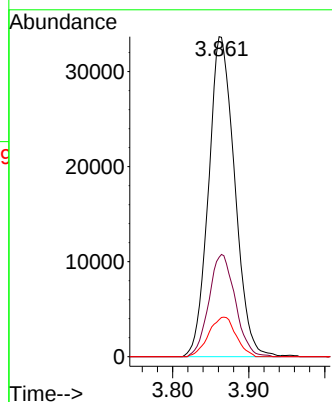


#19
1,1-Dichloroethane
Concen: 4.831 ug/L
RT: 3.861 min Scan# 784
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07

Instrument :
MSVOA_U
ClientSampleId :

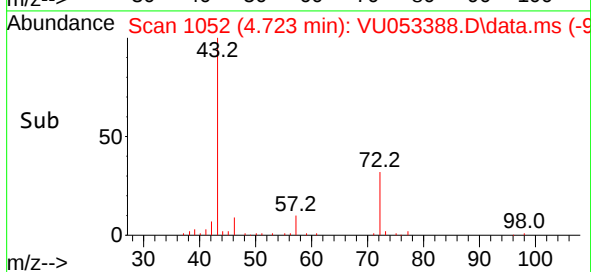
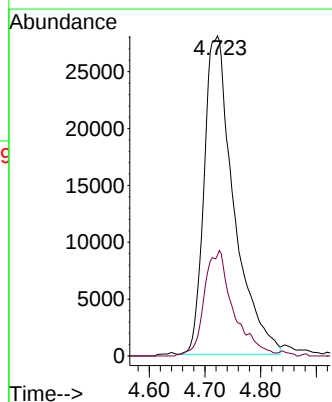
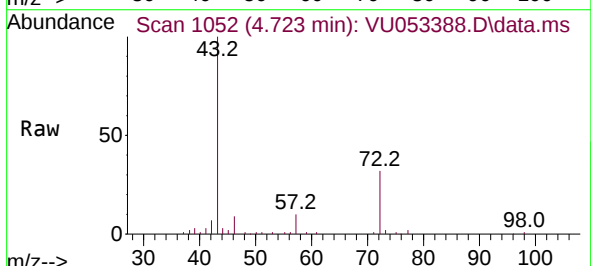


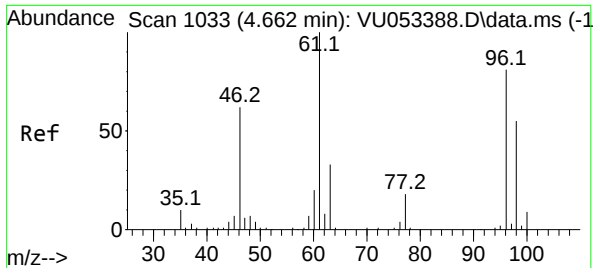
Tgt Ion: 63 Resp: 80199
Ion Ratio Lower Upper
63 100
65 31.0 21.7 40.3
83 11.6 8.1 15.1



#21
2-Butanone
Concen: 47.450 ug/L
RT: 4.723 min Scan# 1052
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07

Tgt Ion: 43 Resp: 103503
Ion Ratio Lower Upper
43 100
72 32.4 16.2 48.6

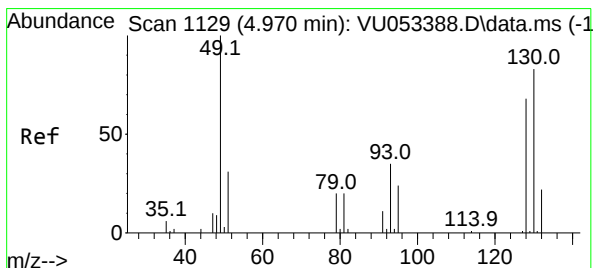
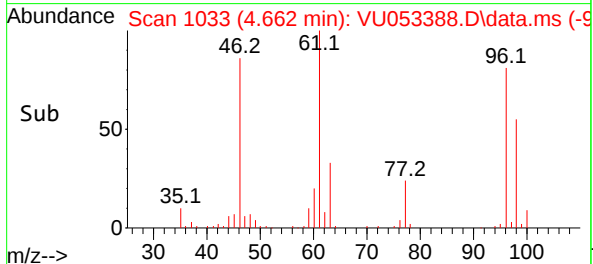
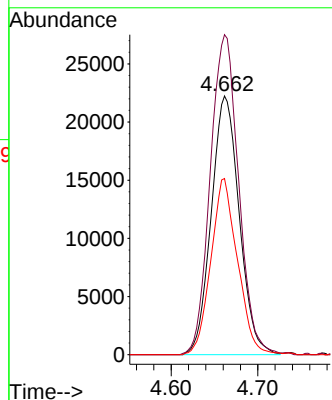
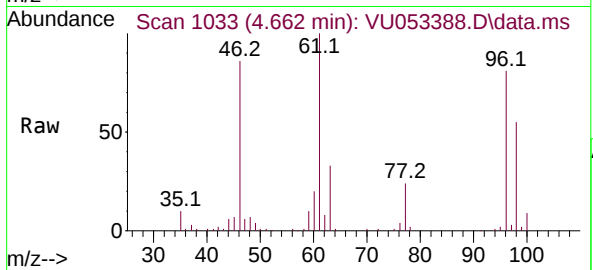




#22
 cis-1,2-Dichloroethene
 Concen: 4.958 ug/L
 RT: 4.662 min Scan# 1033
 Delta R.T. 0.000 min
 Lab File: VU053388.D
 Acq: 24 Mar 2023 13:07

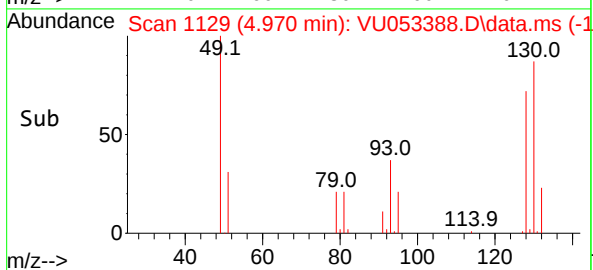
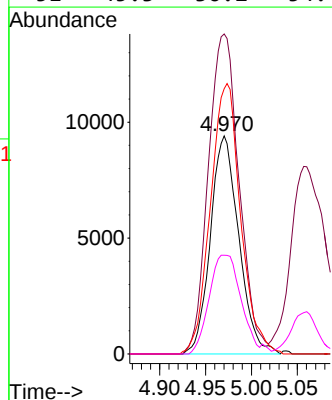
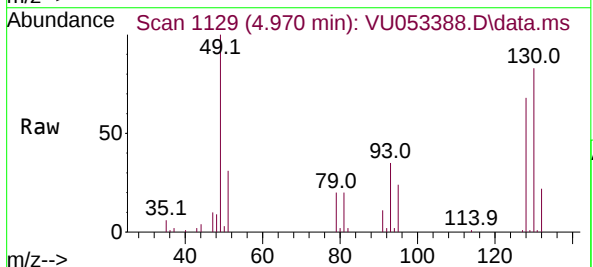
Instrument :
 MSVOA_U
 ClientSampleId :

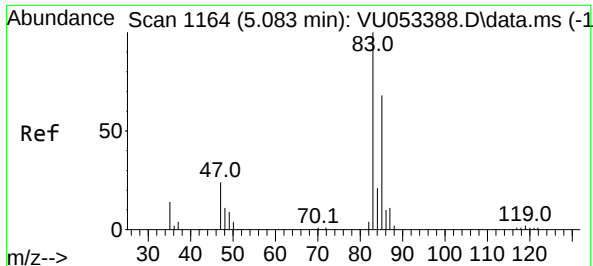
Tgt Ion: 96	Resp: 49964
Ion Ratio	Lower Upper
96 100	
61 123.7	86.6 160.8
98 68.1	47.7 88.5



#23
 Bromochloromethane
 Concen: 5.127 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VU053388.D
 Acq: 24 Mar 2023 13:07

Tgt	Ion:128	Resp:	20265
Ion	Ratio	Lower	Upper
128	100		
49	146.8	102.8	190.8
130	121.6	85.1	158.1
51	45.3	36.2	54.4





#25

Chloroform

Concen: 4.737 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

Instrument :

MSVOA_U

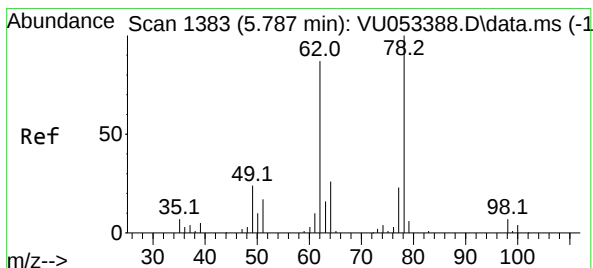
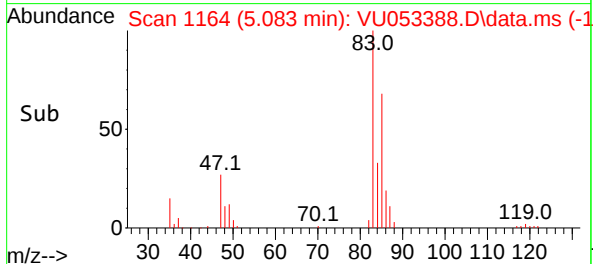
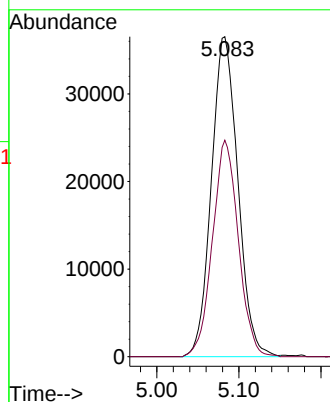
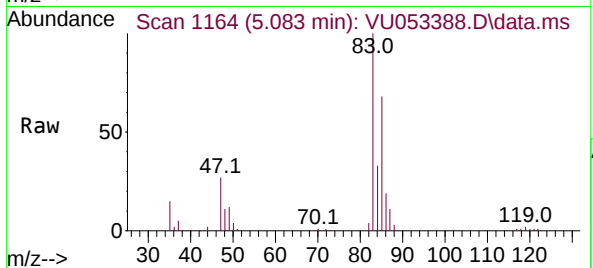
ClientSampleId :

Tgt Ion: 83 Resp: 81998

Ion Ratio Lower Upper

83 100

85 67.6 47.3 87.9



#27

1,2-Dichloroethane

Concen: 4.818 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VU053388.D

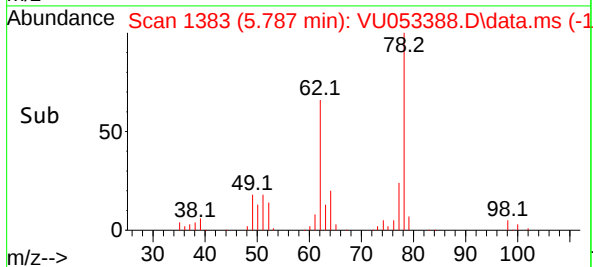
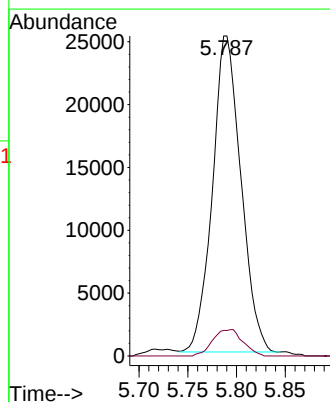
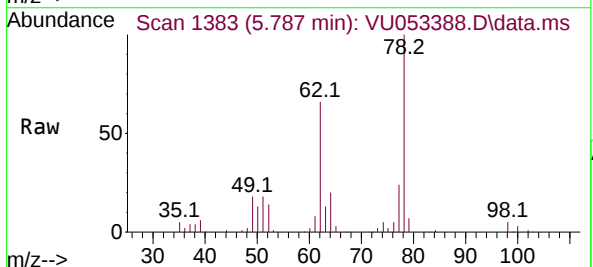
Acq: 24 Mar 2023 13:07

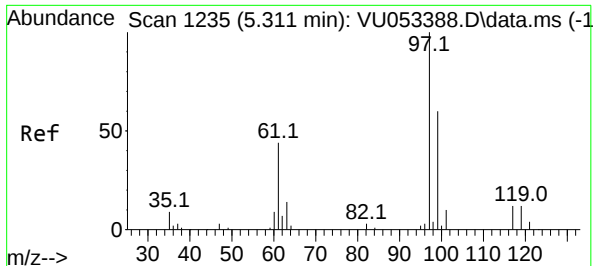
Tgt Ion: 62 Resp: 51263

Ion Ratio Lower Upper

62 100

98 8.0 6.4 9.6





#29

1,1,1-Trichloroethane

Concen: 4.470 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :

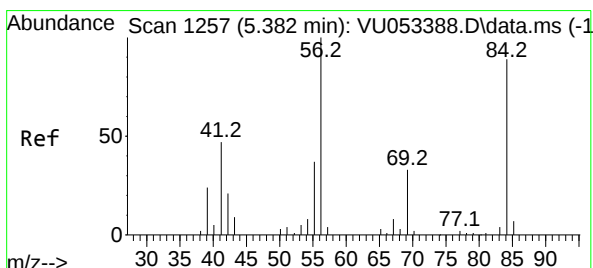
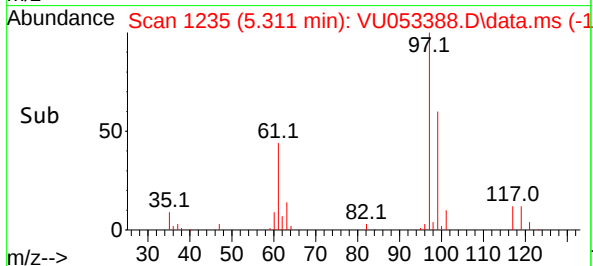
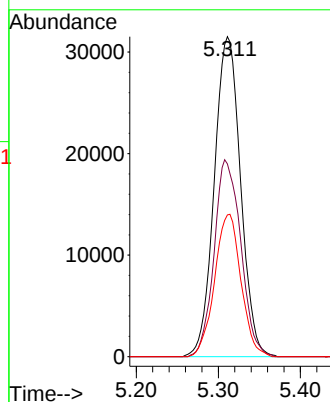
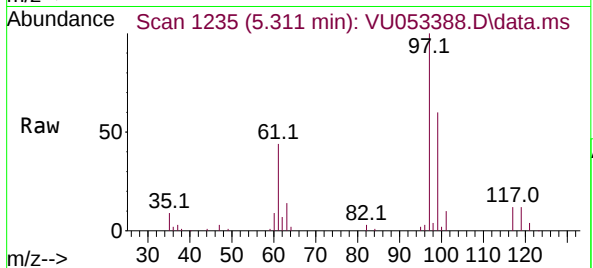
Tgt Ion: 97 Resp: 70354

Ion Ratio Lower Upper

97 100

99 62.4 49.9 74.9

61 44.6 35.7 53.5



#30

Cyclohexane

Concen: 4.602 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

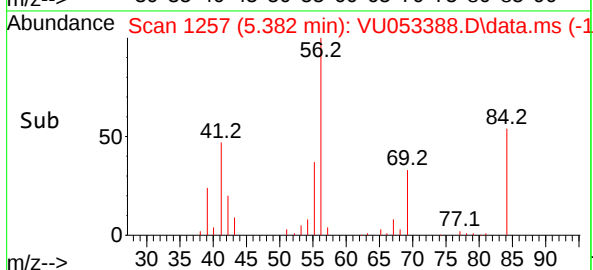
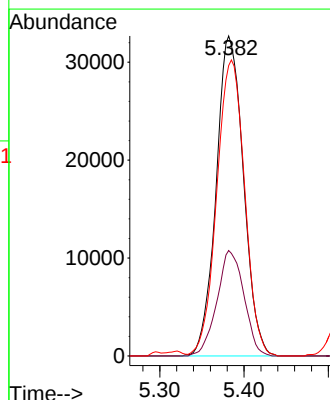
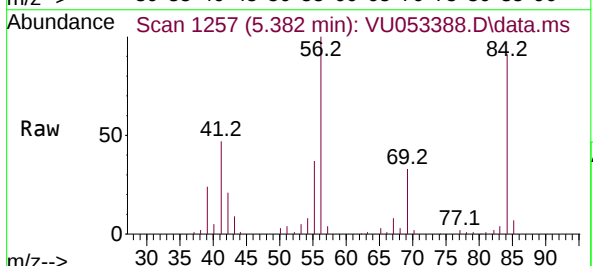
Tgt Ion: 56 Resp: 73311

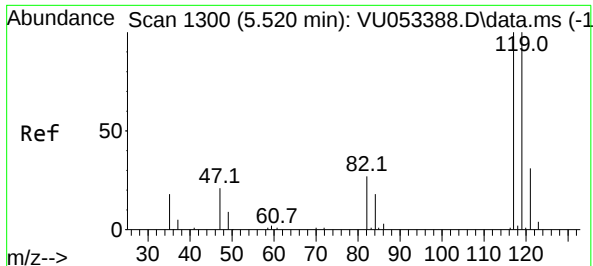
Ion Ratio Lower Upper

56 100

69 32.6 26.1 39.1

84 94.5 75.6 113.4

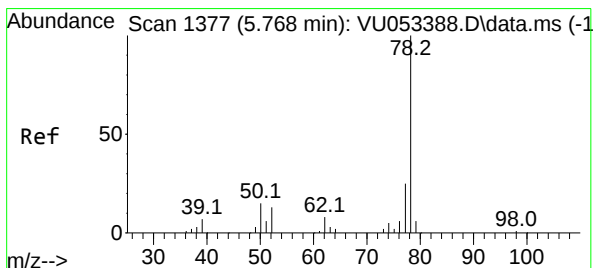
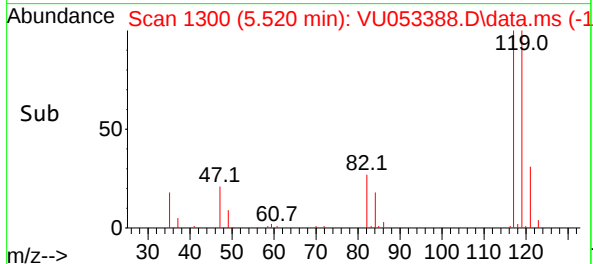
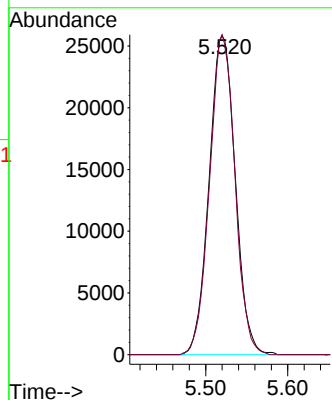
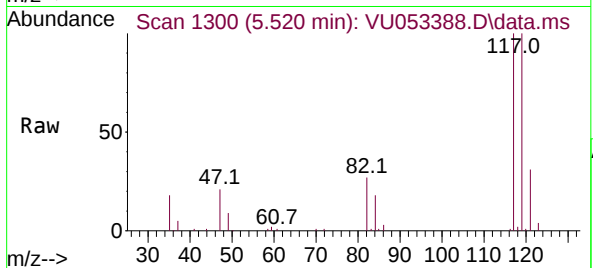




#31
Carbon tetrachloride
Concen: 4.374 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07

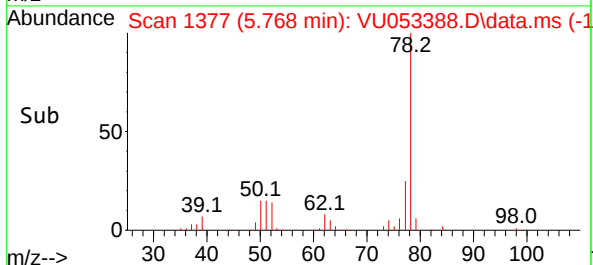
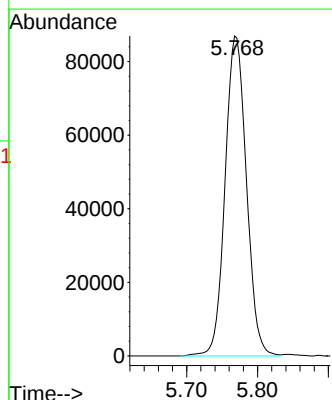
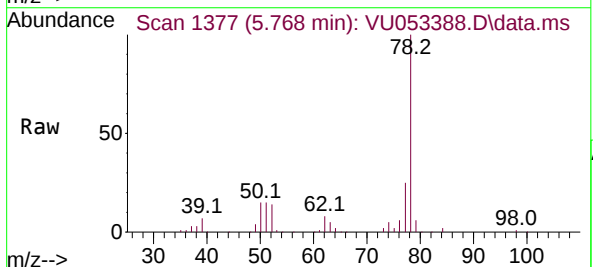
Instrument :
MSVOA_U
ClientSampleId :

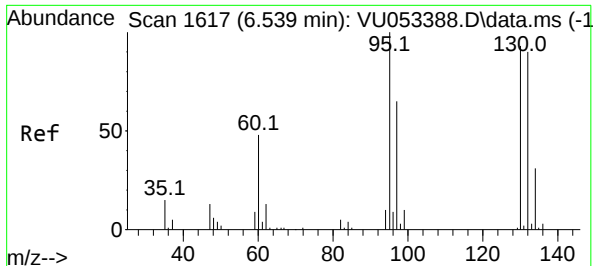
Tgt Ion:117 Resp: 57219
Ion Ratio Lower Upper
117 100
119 97.1 77.7 116.5



#33
Benzene
Concen: 4.725 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07

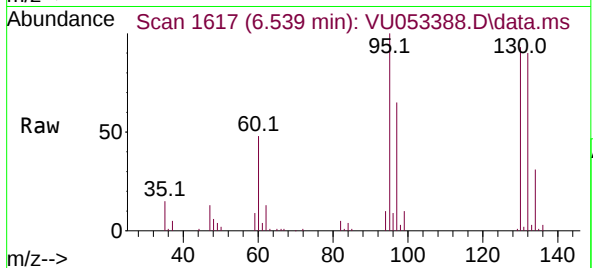
Tgt Ion: 78 Resp: 181951



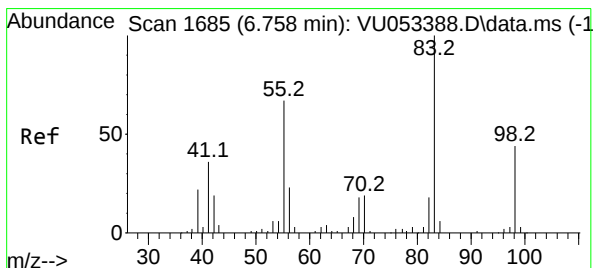
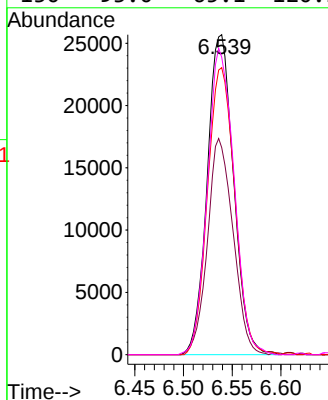
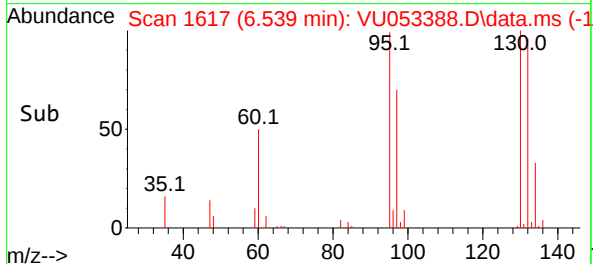


#34
Trichloroethene
Concen: 4.476 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07

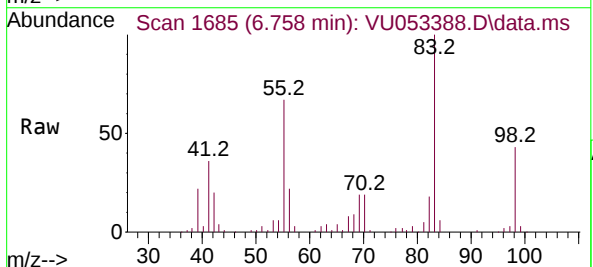
Instrument :
MSVOA_U
ClientSampleId :



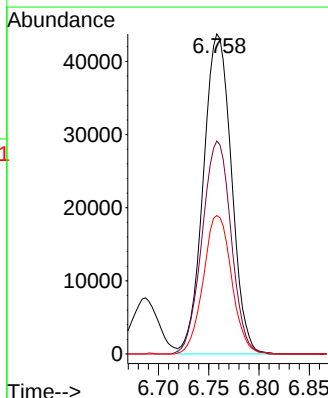
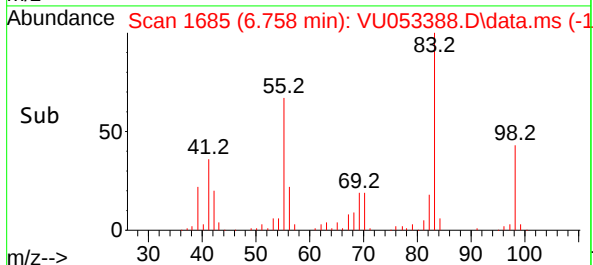
Tgt Ion: 95 Resp: 48414
Ion Ratio Lower Upper
95 100
97 64.7 45.3 84.1
132 89.7 62.8 116.6
130 93.0 65.1 120.9

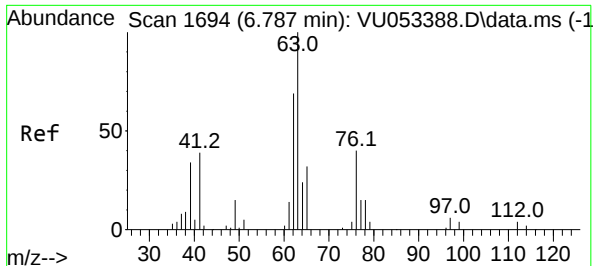


#35
Methylcyclohexane
Concen: 4.808 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07



Tgt Ion: 83 Resp: 85135
Ion Ratio Lower Upper
83 100
55 68.6 54.9 82.3
98 43.6 34.9 52.3





#37

1,2-Dichloropropane

Concen: 4.686 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

Instrument :

MSVOA_U

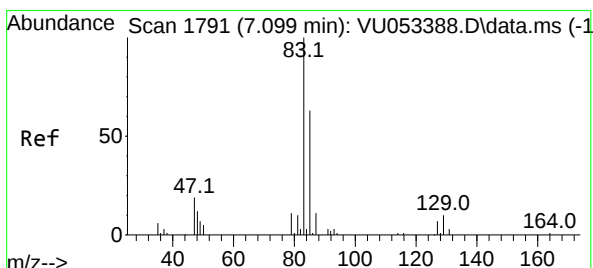
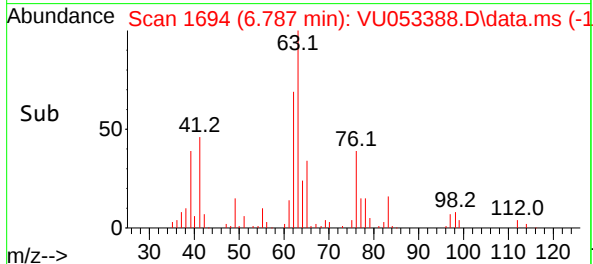
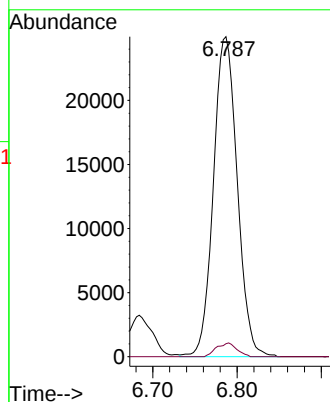
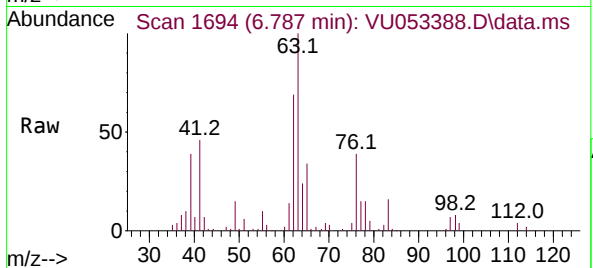
ClientSampleId :

Tgt Ion: 63 Resp: 49029

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.4



#38

Bromodichloromethane

Concen: 4.139 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

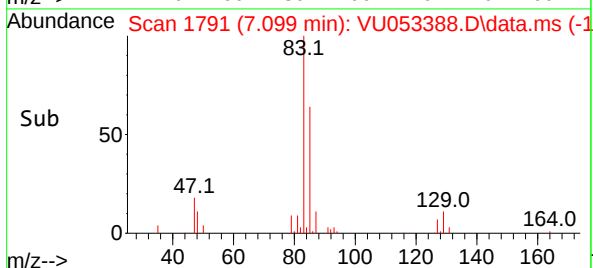
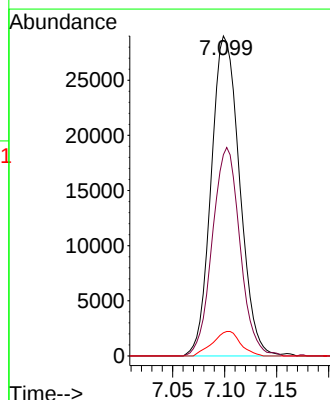
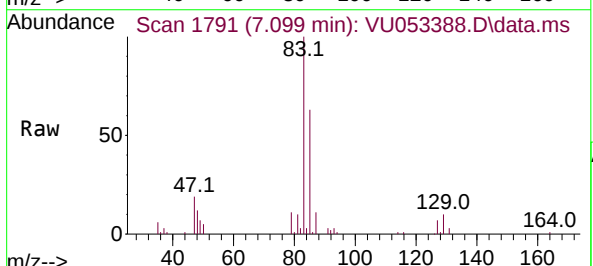
Tgt Ion: 83 Resp: 55056

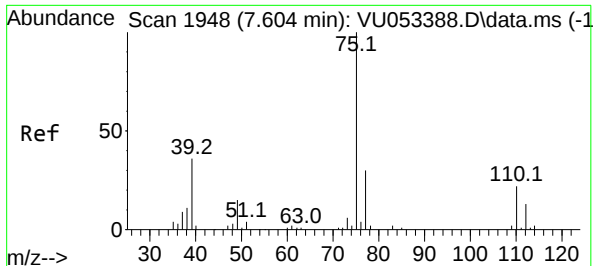
Ion Ratio Lower Upper

83 100

85 62.9 44.0 81.8

127 7.2 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 4.422 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

Instrument :

MSVOA_U

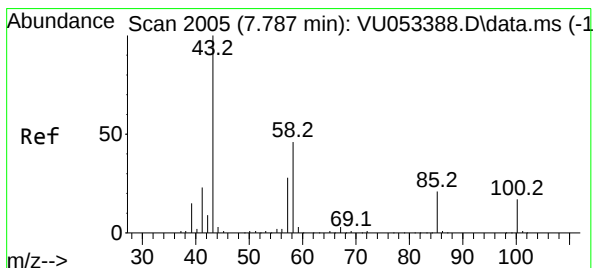
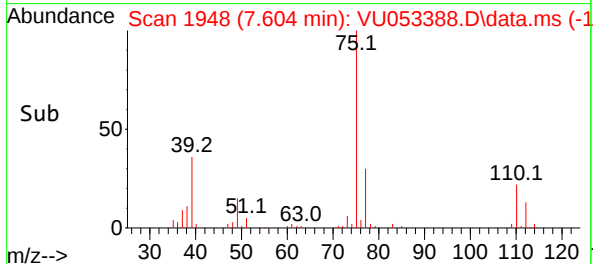
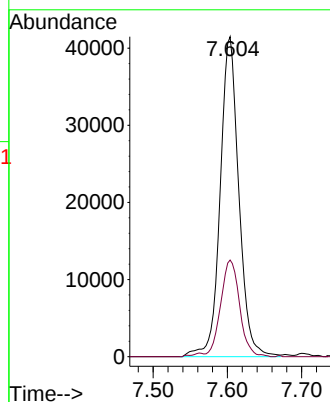
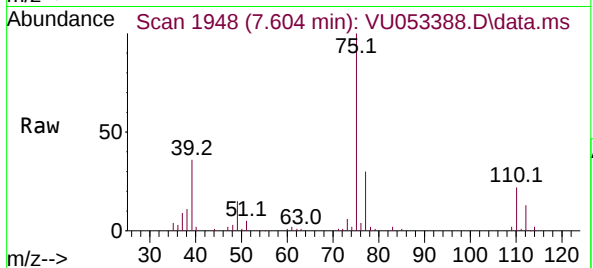
ClientSampleId :

Tgt Ion: 75 Resp: 72608

Ion Ratio Lower Upper

75 100

77 30.2 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 44.837 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

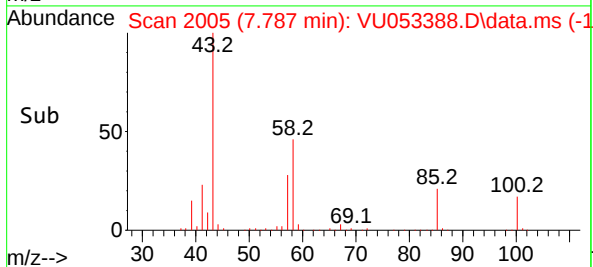
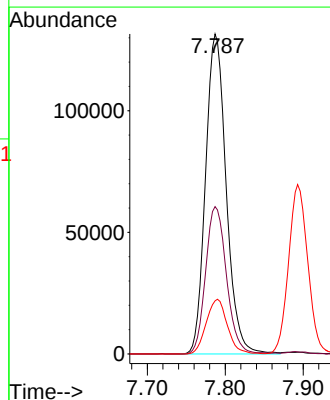
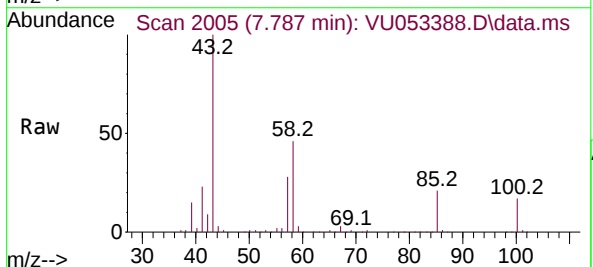
Tgt Ion: 43 Resp: 242414

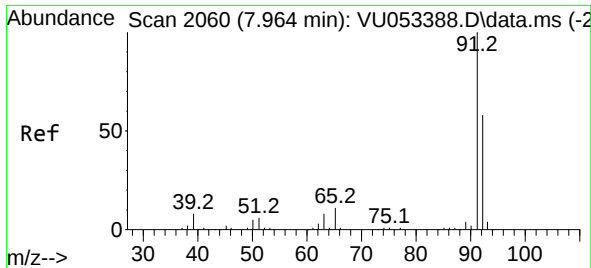
Ion Ratio Lower Upper

43 100

58 46.7 37.4 56.0

100 17.5 14.0 21.0





#42

Toluene

Concen: 4.761 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

Instrument :

MSVOA_U

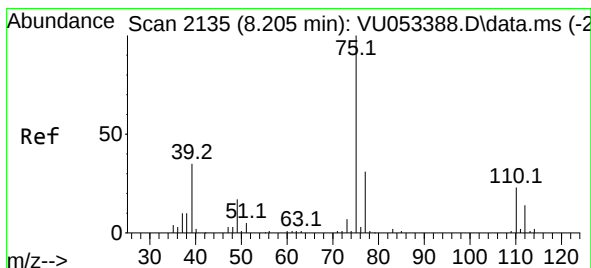
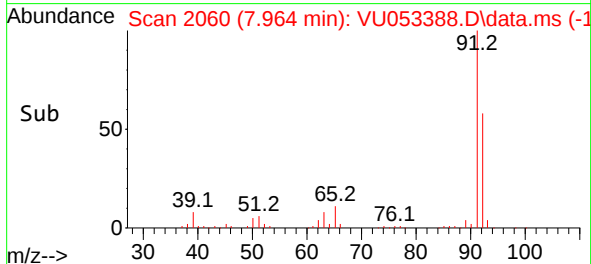
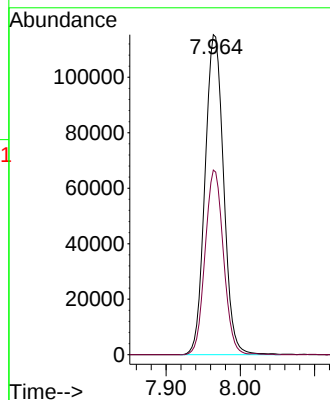
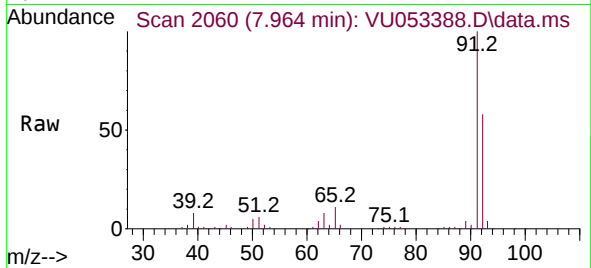
ClientSampleId :

Tgt Ion: 91 Resp: 200185

Ion Ratio Lower Upper

91 100

92 57.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.409 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053388.D

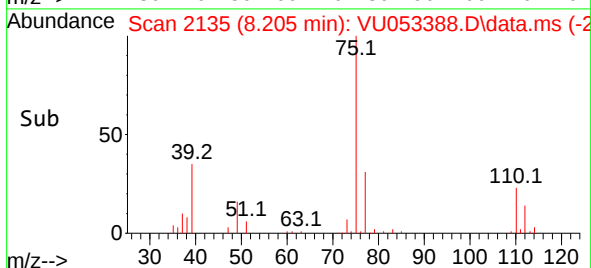
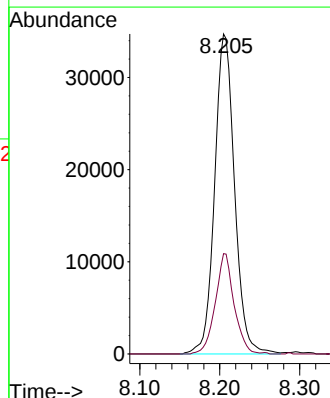
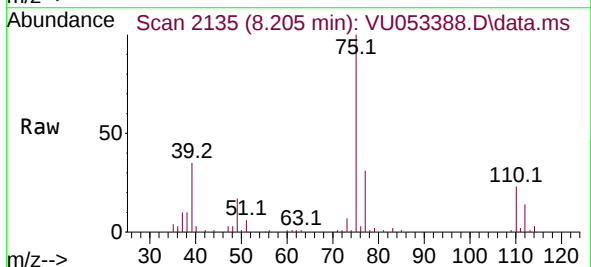
Acq: 24 Mar 2023 13:07

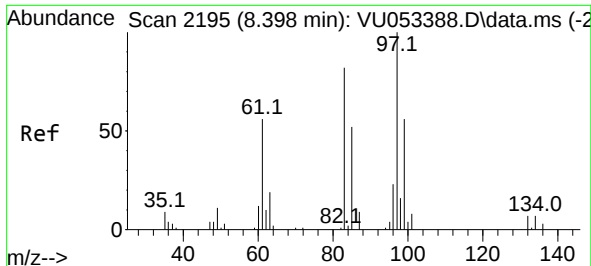
Tgt Ion: 75 Resp: 59941

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



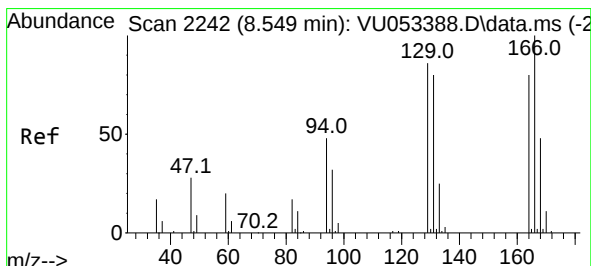
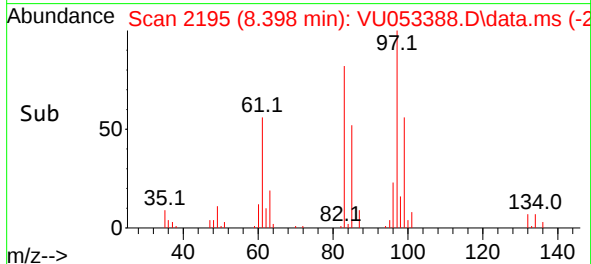
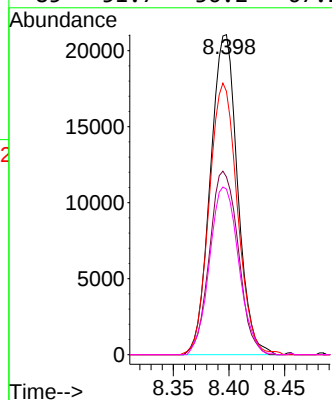
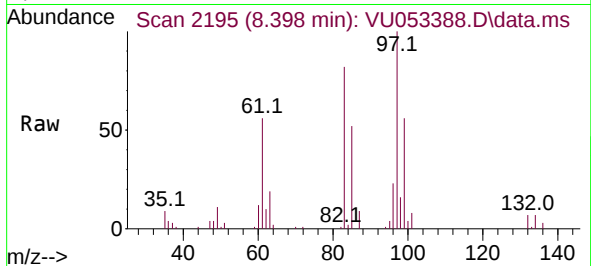


#45
1,1,2-Trichloroethane
Concen: 4.719 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 35713

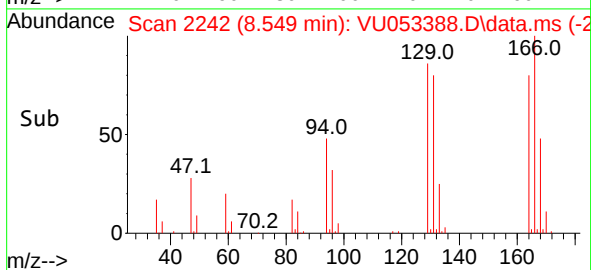
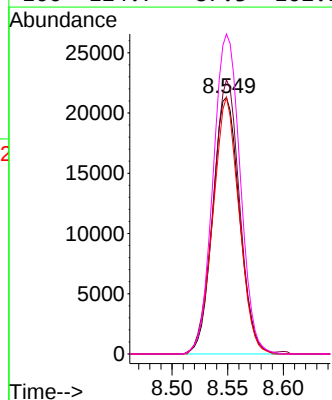
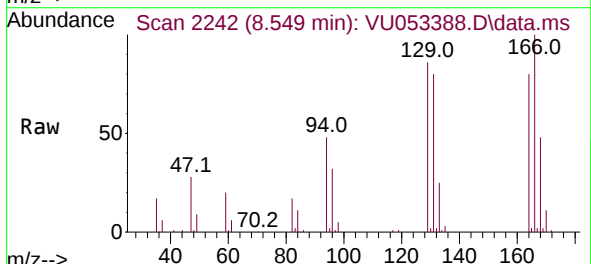
Ion	Ratio	Lower	Upper
97	100		
99	55.5	38.9	72.2
83	82.3	57.6	107.0
85	51.7	36.2	67.2

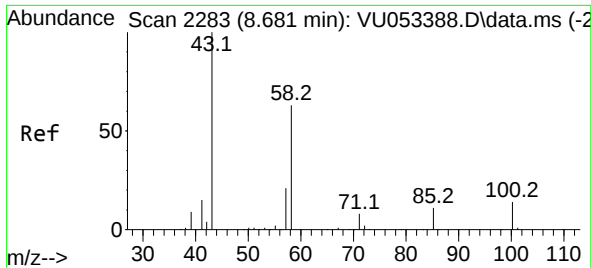


#47
Tetrachloroethene
Concen: 4.987 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07

Tgt Ion: 164 Resp: 35636

Ion	Ratio	Lower	Upper
164	100		
129	106.8	74.8	138.8
131	100.1	70.1	130.1
166	124.7	87.3	162.1

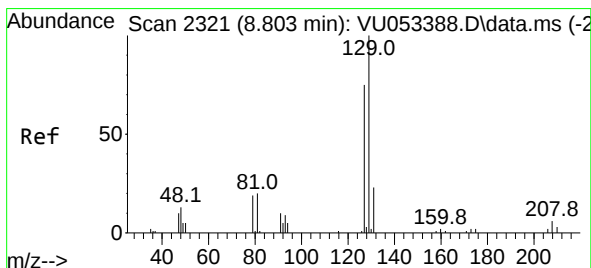
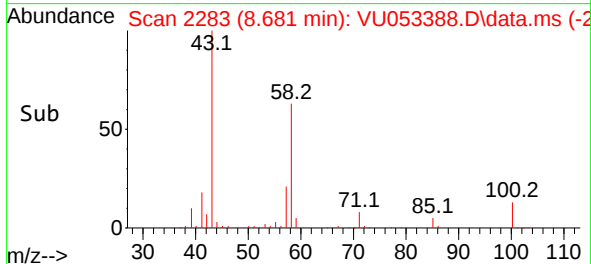
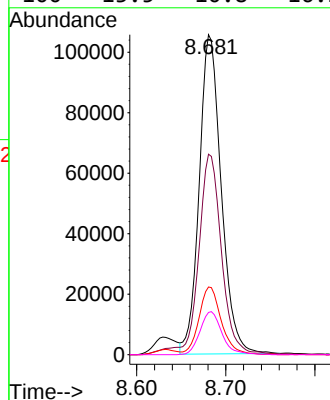
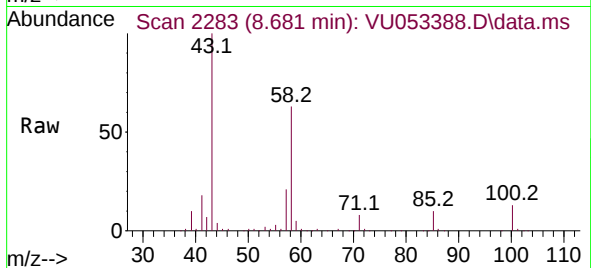




#48
2-Hexanone
Concen: 45.460 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07

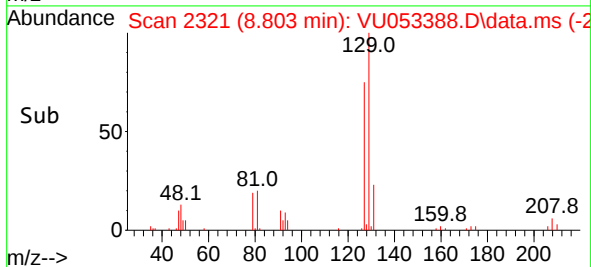
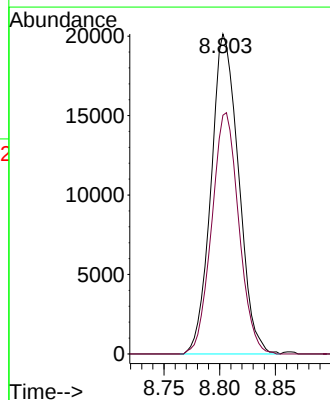
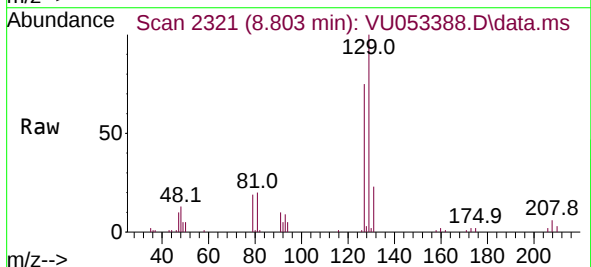
Instrument :
MSVOA_U
ClientSampleId :

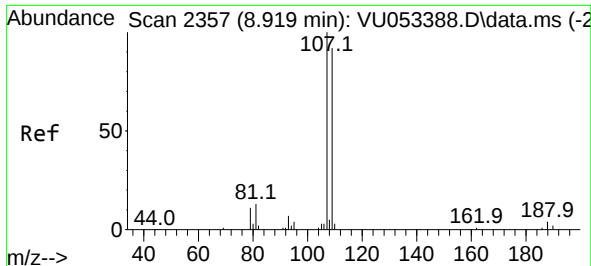
Tgt Ion: 43 Resp: 181286
Ion Ratio Lower Upper
43 100
58 66.0 52.8 79.2
57 21.4 17.1 25.7
100 13.5 10.8 16.2



#49
Dibromochloromethane
Concen: 4.291 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07

Tgt Ion:129 Resp: 34626
Ion Ratio Lower Upper
129 100
127 74.6 52.2 97.0





#50

1,2-Dibromoethane

Concen: 4.804 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :

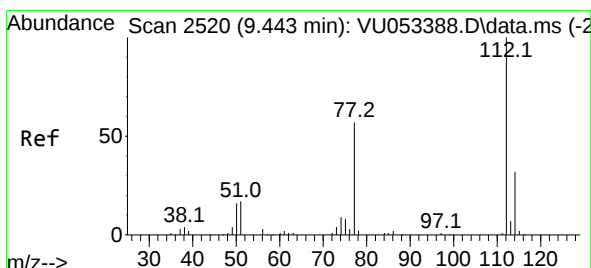
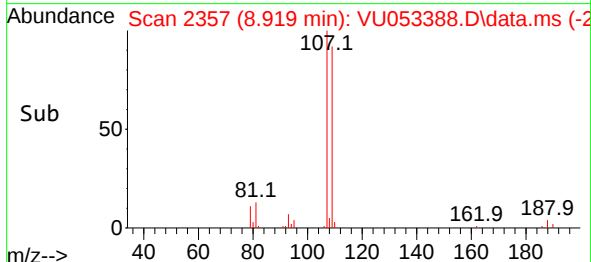
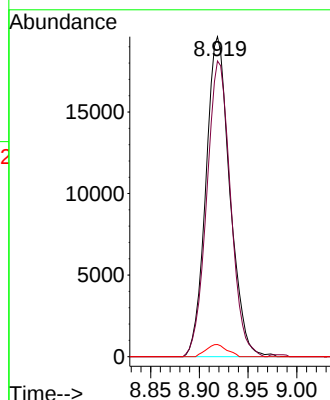
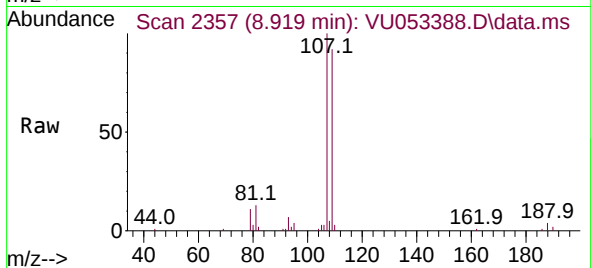
Tgt Ion:107 Resp: 33568

Ion Ratio Lower Upper

107 100

109 92.4 64.7 120.1

188 3.8 3.0 4.6



#51

Chlorobenzene

Concen: 4.864 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

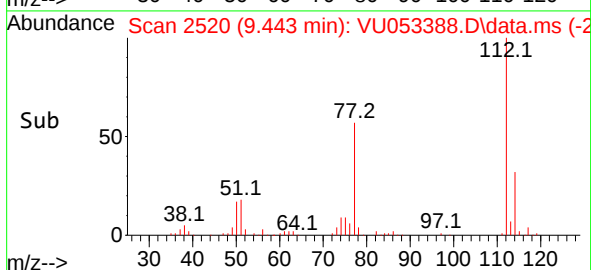
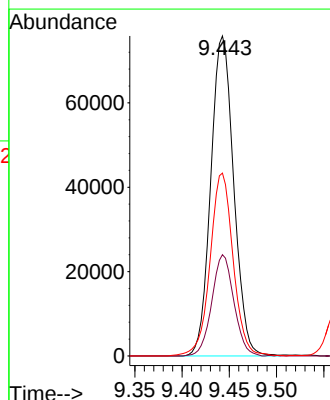
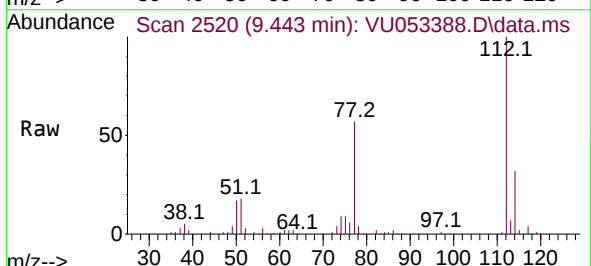
Tgt Ion:112 Resp: 127954

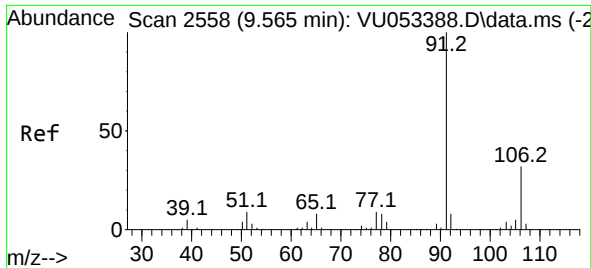
Ion Ratio Lower Upper

112 100

114 31.6 22.1 41.1

77 57.2 45.8 68.6

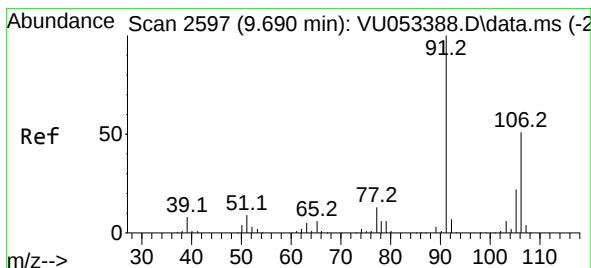
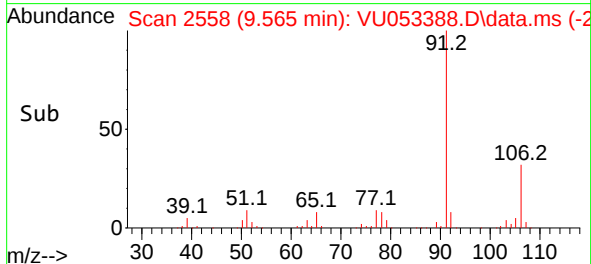
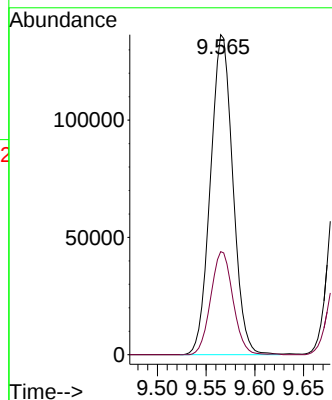
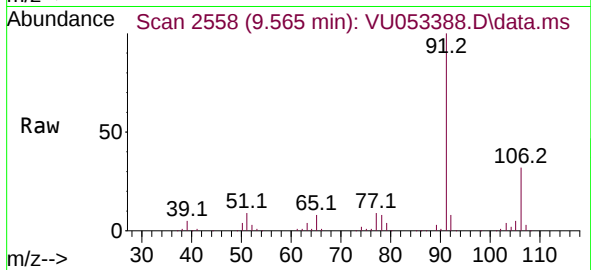




#52
Ethylbenzene
Concen: 4.607 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07

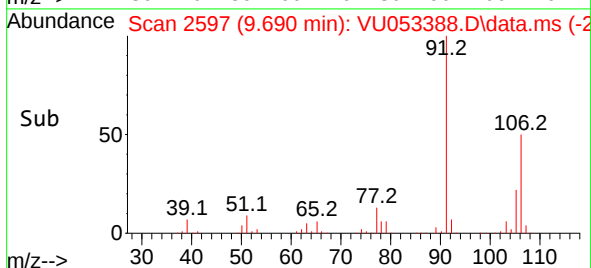
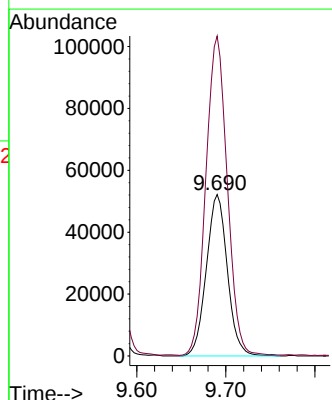
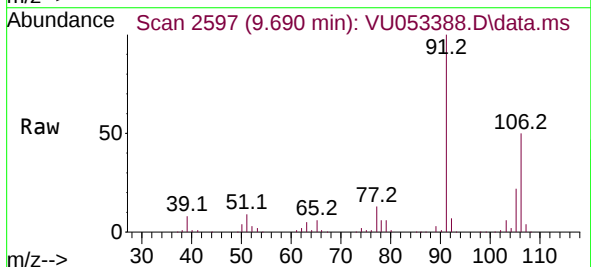
Instrument :
MSVOA_U
ClientSampleId :

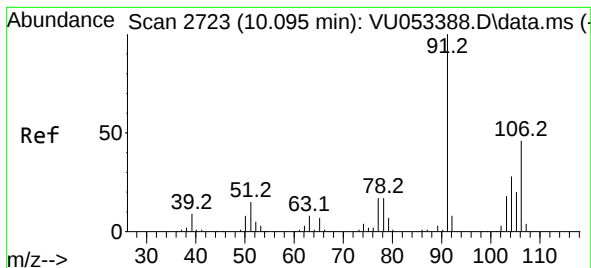
Tgt Ion: 91 Resp: 217906
Ion Ratio Lower Upper
91 100
106 32.2 22.5 41.9



#53
m,p-Xylene
Concen: 4.791 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07

Tgt Ion: 106 Resp: 85302
Ion Ratio Lower Upper
106 100
91 198.3 138.8 257.8





#54

o-Xylene

Concen: 4.717 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

Instrument :

MSVOA_U

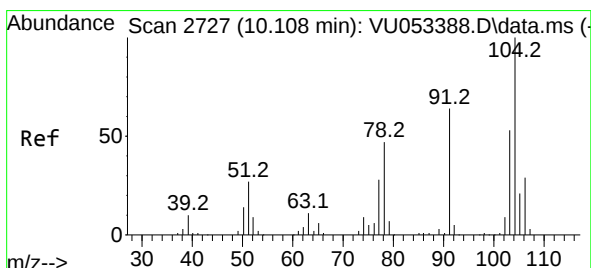
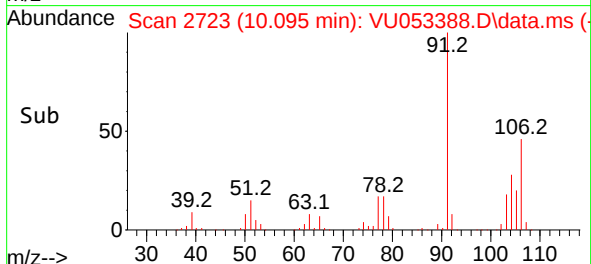
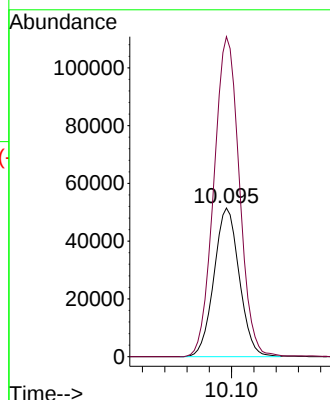
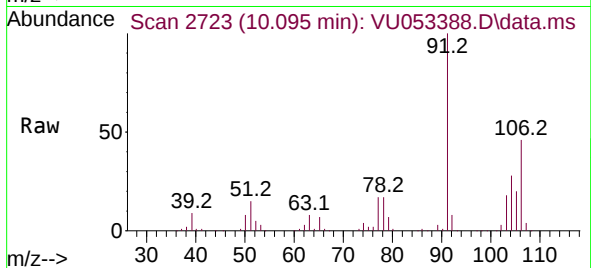
ClientSampleId :

Tgt Ion:106 Resp: 81056

Ion Ratio Lower Upper

106 100

91 215.4 150.8 280.0



#55

Styrene

Concen: 4.721 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. 0.000 min

Lab File: VU053388.D

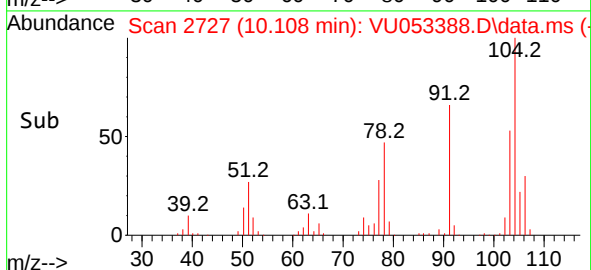
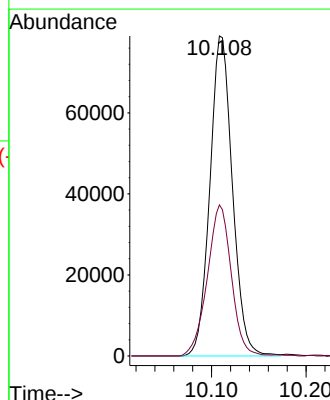
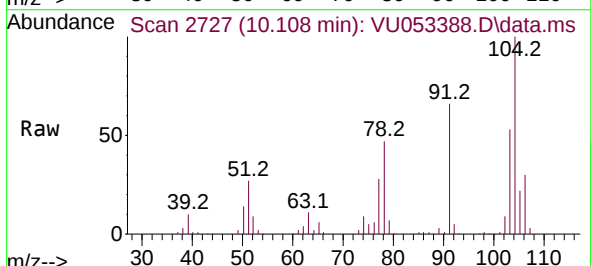
Acq: 24 Mar 2023 13:07

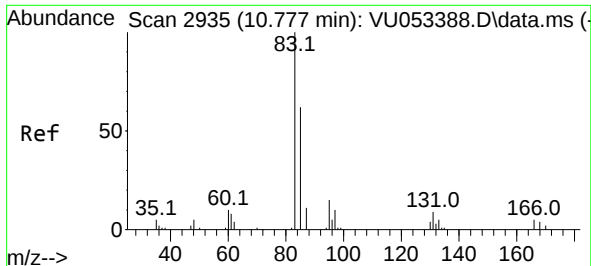
Tgt Ion:104 Resp: 130854

Ion Ratio Lower Upper

104 100

78 47.2 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.621 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :

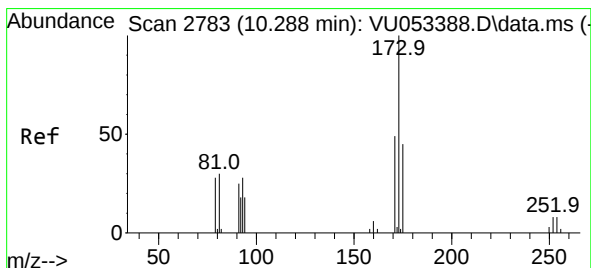
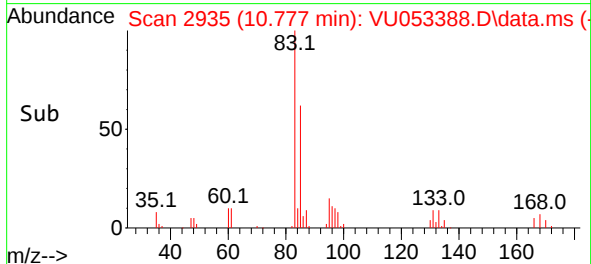
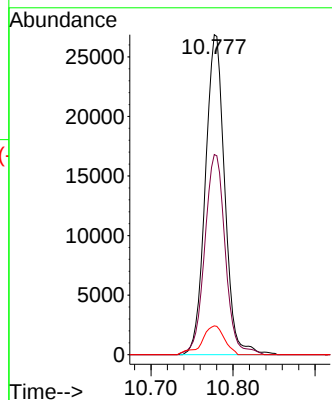
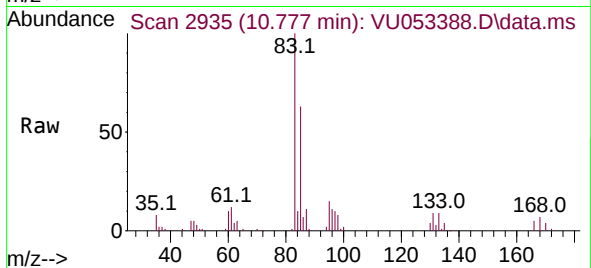
Tgt Ion: 83 Resp: 44036

Ion Ratio Lower Upper

83 100

85 62.6 43.8 81.4

131 9.0 7.2 10.8



#59

Bromoform

Concen: 3.771 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

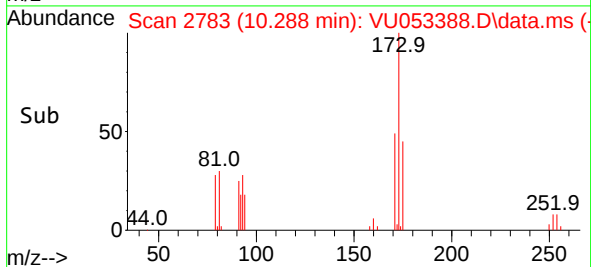
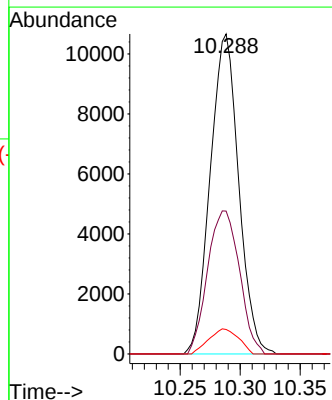
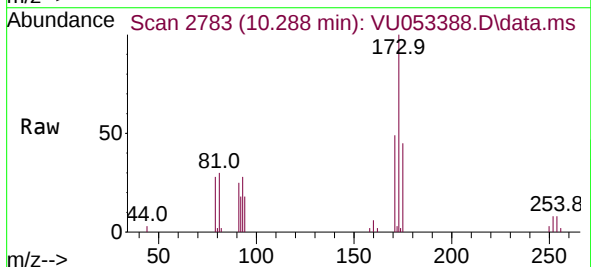
Tgt Ion:173 Resp: 17565

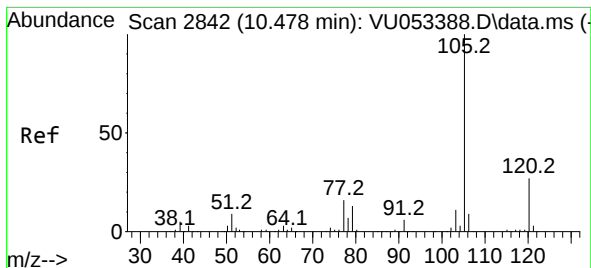
Ion Ratio Lower Upper

173 100

175 49.9 39.9 59.9

254 8.2 6.6 9.8





#60

Isopropylbenzene

Concen: 4.477 ug/L

RT: 10.478 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :

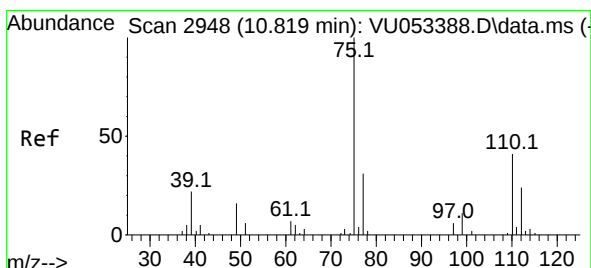
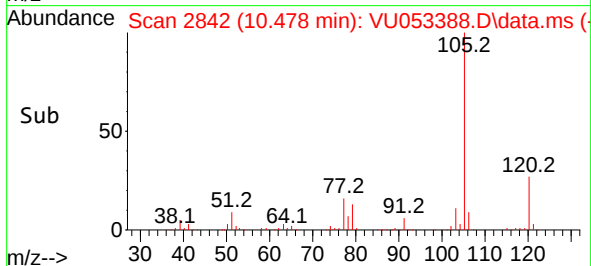
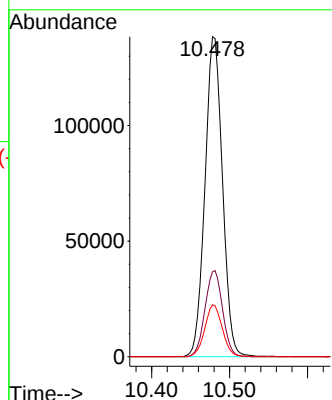
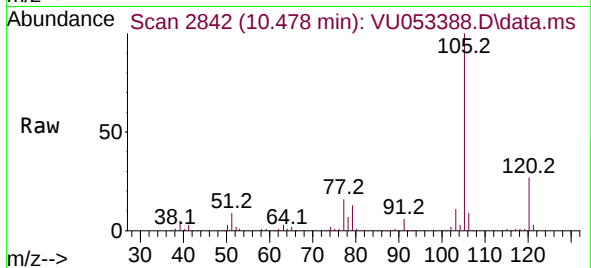
Tgt Ion:105 Resp: 215950

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

77 16.2 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 4.678 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

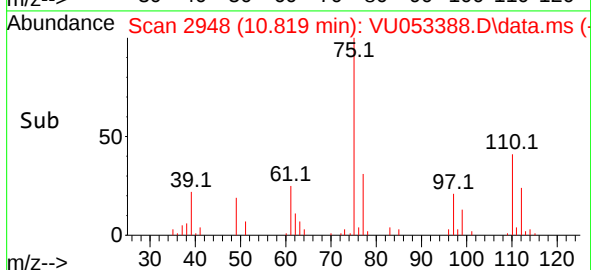
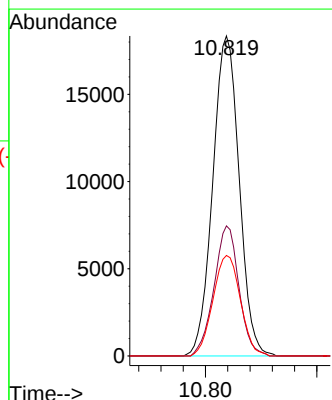
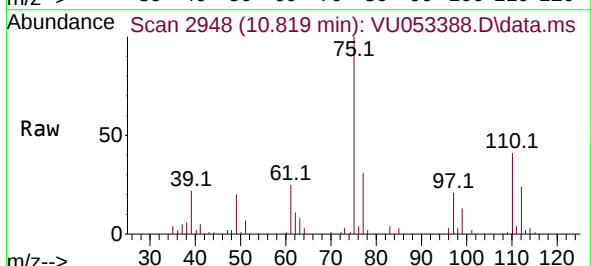
Tgt Ion: 75 Resp: 30204

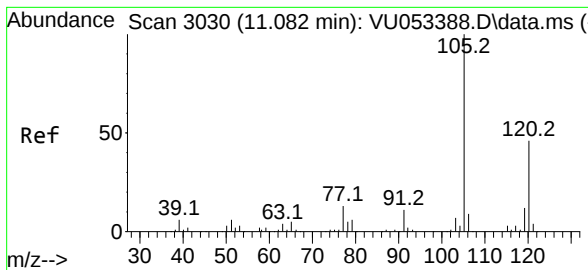
Ion Ratio Lower Upper

75 100

110 38.3 30.6 46.0

77 32.6 26.1 39.1

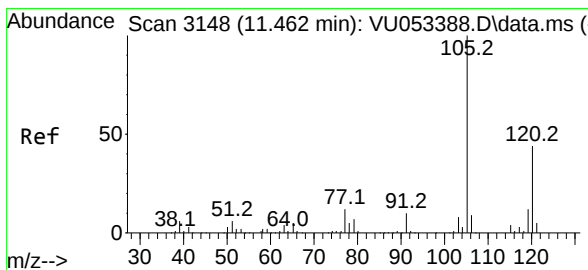
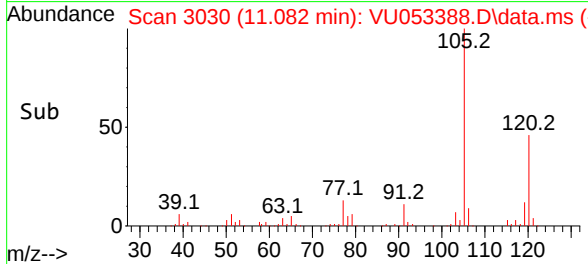
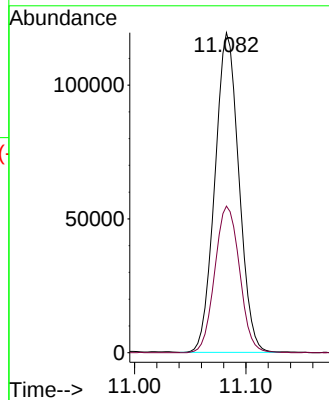
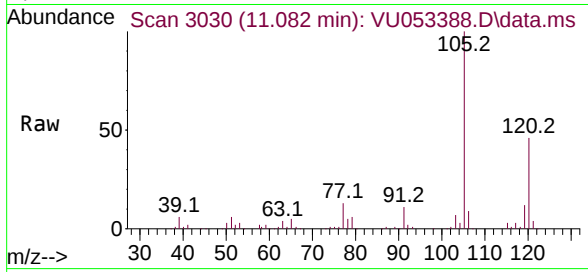




#62
1,3,5-Trimethylbenzene
Concen: 4.404 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07

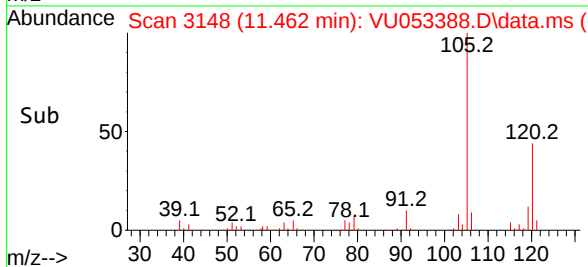
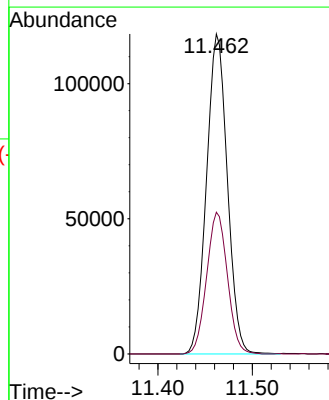
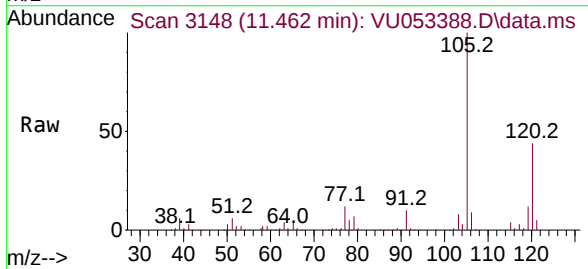
Instrument :
MSVOA_U
ClientSampleId :

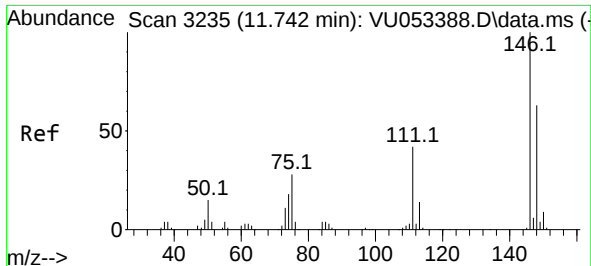
Tgt Ion:105 Resp: 178926
Ion Ratio Lower Upper
105 100
120 47.3 37.8 56.8



#63
1,2,4-Trimethylbenzene
Concen: 4.443 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07

Tgt Ion:105 Resp: 180900
Ion Ratio Lower Upper
105 100
120 44.2 35.4 53.0

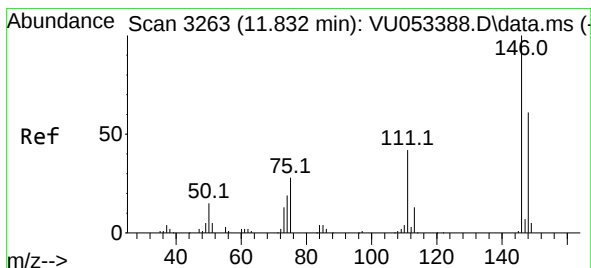
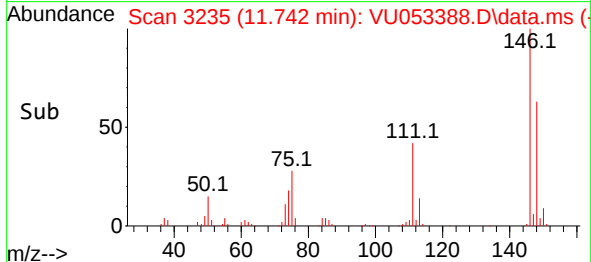
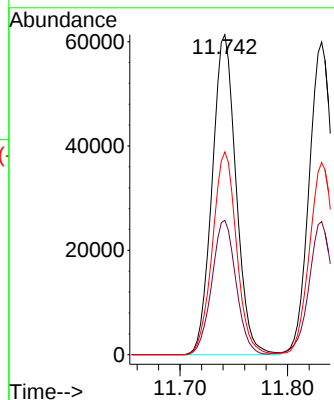
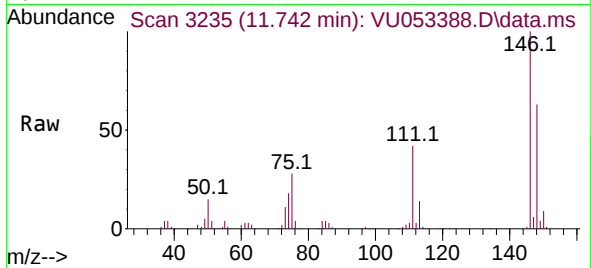




#64
1,3-Dichlorobenzene
Concen: 4.775 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07

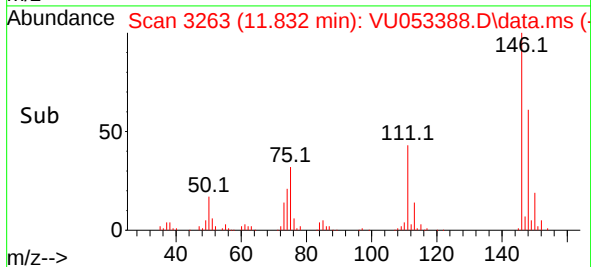
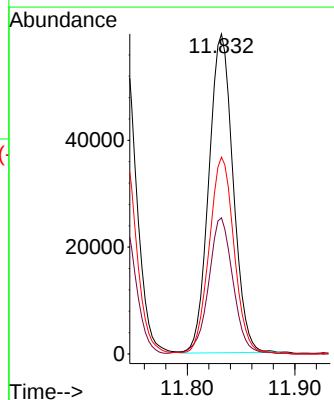
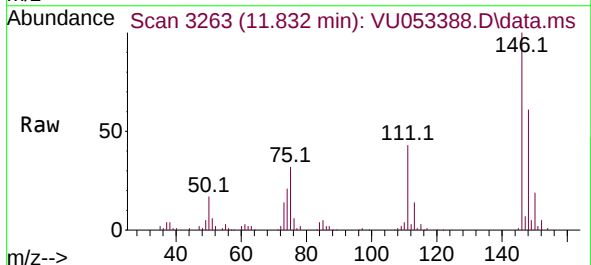
Instrument :
MSVOA_U
ClientSampleId :

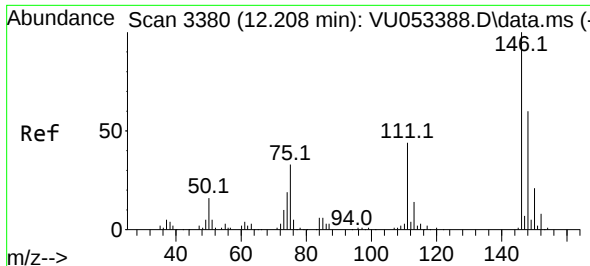
Tgt Ion:146 Resp: 94729
Ion Ratio Lower Upper
146 100
111 42.0 29.4 54.6
148 63.3 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.697 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053388.D
Acq: 24 Mar 2023 13:07

Tgt Ion:146 Resp: 93470
Ion Ratio Lower Upper
146 100
111 42.6 29.8 55.4
148 61.5 43.0 80.0





#67

1,2-Dichlorobenzene

Concen: 4.785 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :

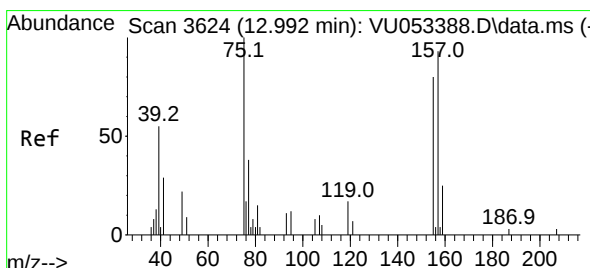
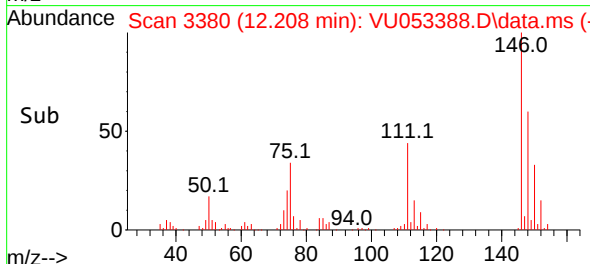
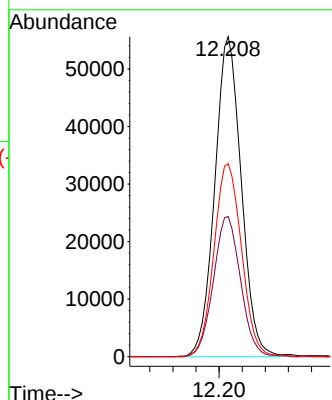
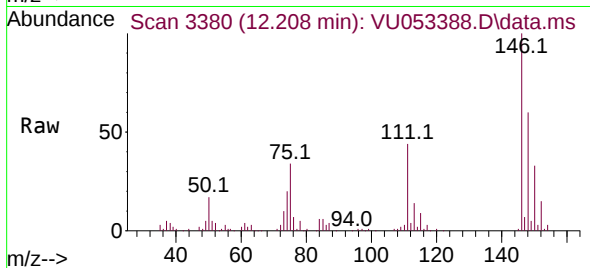
Tgt Ion:146 Resp: 88643

Ion Ratio Lower Upper

146 100

111 43.8 35.0 52.6

148 60.3 48.2 72.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.159 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

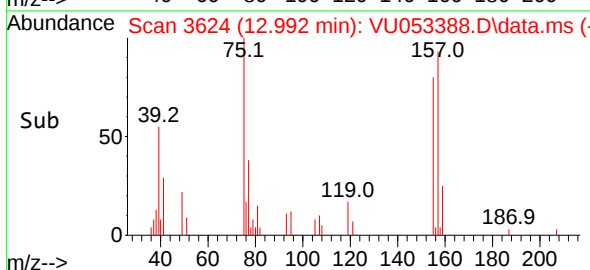
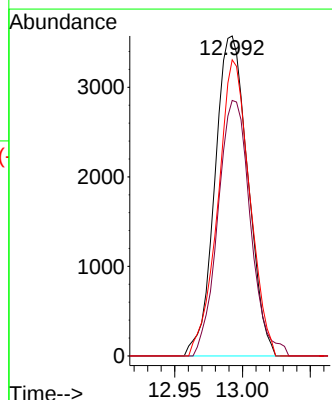
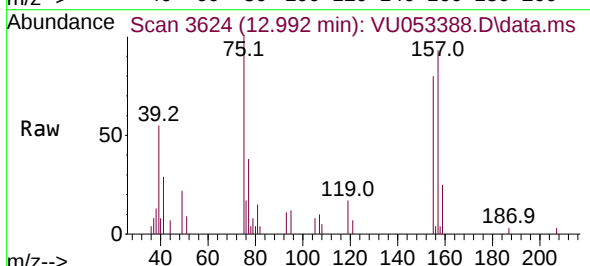
Tgt Ion: 75 Resp: 6030

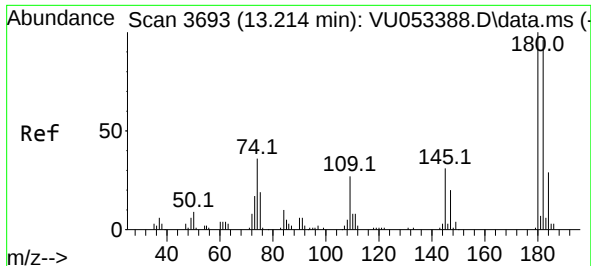
Ion Ratio Lower Upper

75 100

155 79.9 63.9 95.9

157 92.6 74.1 111.1





#69

1,3,5-Trichlorobenzene

Concen: 4.579 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

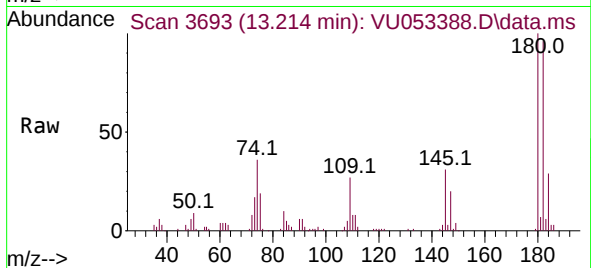
Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 64168

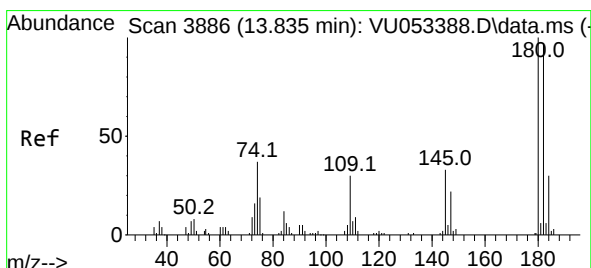
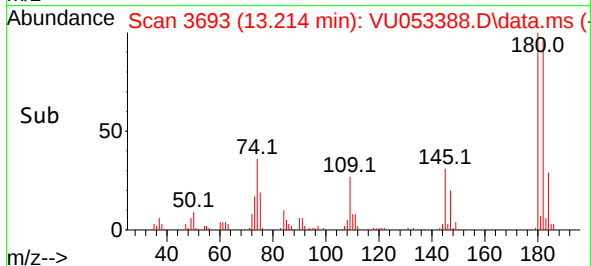
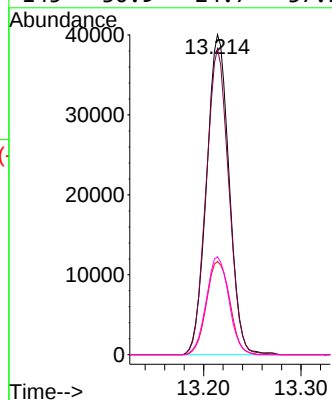
Ion Ratio Lower Upper

180 100

182 95.9 76.7 115.1

184 30.1 24.1 36.1

145 30.9 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 4.556 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

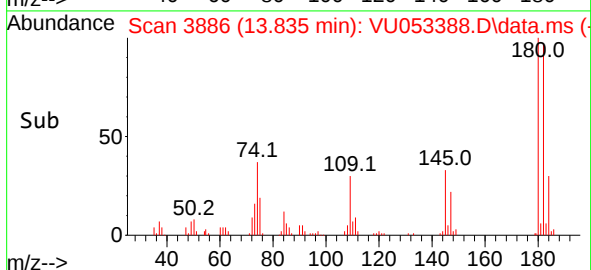
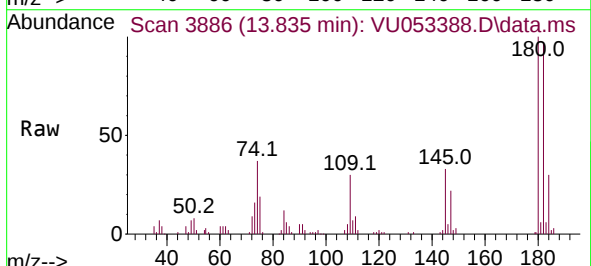
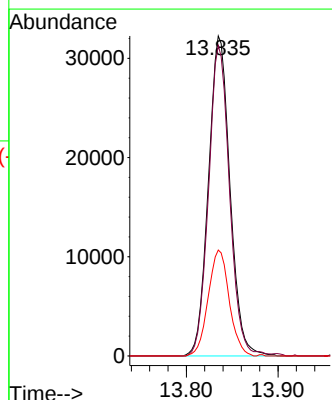
Tgt Ion:180 Resp: 52692

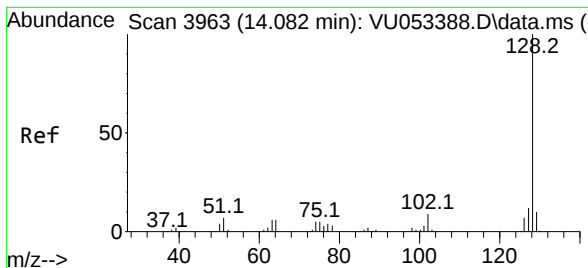
Ion Ratio Lower Upper

180 100

182 94.3 75.4 113.2

145 32.3 25.8 38.8





#71

Naphthalene

Concen: 4.211 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

Instrument :

MSVOA_U

ClientSampleId :

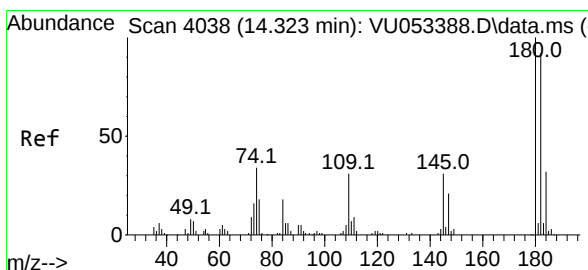
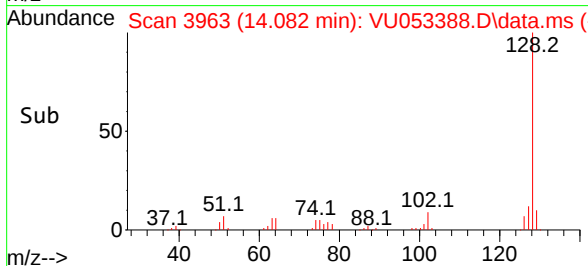
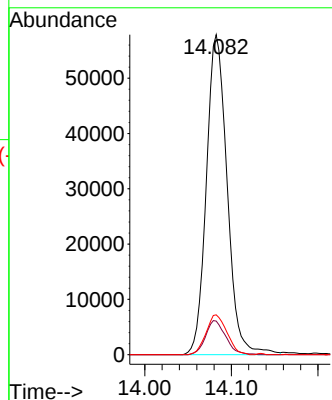
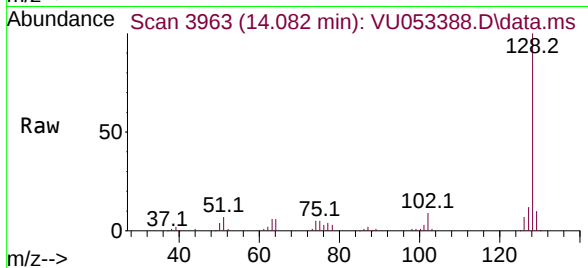
Tgt Ion:128 Resp: 96599

Ion Ratio Lower Upper

128 100

129 10.3 8.2 12.4

127 12.5 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 4.444 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU053388.D

Acq: 24 Mar 2023 13:07

Tgt Ion:180 Resp: 45181

Ion Ratio Lower Upper

180 100

182 93.5 74.8 112.2

145 32.9 26.3 39.5

