

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032423\
 Data File : VU053386.D
 Acq On : 24 Mar 2023 12:11
 Operator : JC/MD
 Sample : VSTD0.513
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 24 22:44:09 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	146618	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	134494	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	64435	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	4370	0.558	ug/L	0.00
7) Chloroethane-d5	1.916	69	3842	0.528	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	65	1673	0.468	ug/L	0.00
20) 2-Butanone-d5	4.642	46	3806	1.714	ug/L	0.00
24) Chloroform-d	5.063	84	6937	0.407	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.706	65	3842	0.442	ug/L	0.00
32) Benzene-d6	5.726	84	15175	0.468	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	4256	0.386	ug/L	0.00
41) Toluene-d8	7.896	98	14639	0.490	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	1670	0.380	ug/L	0.00
46) 2-Hexanone-d5	8.636	63	5974	3.105	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	3639	0.389	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	4868	0.475	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	4375	0.406	ug/L	100
3) Chloromethane	1.517	50	5074	0.458	ug/L	92
5) Vinyl chloride	1.604	62	5143	0.423	ug/L	90
6) Bromomethane	1.858	94	3500	0.462	ug/L	81
8) Chloroethane	1.935	64	3060	0.421	ug/L	93
9) Trichlorofluoromethane	2.141	101	7637	0.442	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	3625	0.387	ug/L	96
12) 1,1-Dichloroethene	2.578	96	3507	0.407	ug/L	93
13) Acetone	2.658	43	2751	1.794	ug/L #	1
14) Carbon disulfide	2.793	76	9899	0.386	ug/L #	89
15) Methyl Acetate	2.964	43	811	0.225	ug/L #	83
16) Methylene chloride	3.044	84	6354	0.635	ug/L	87
17) Methyl tert-butyl Ether	3.359	73	8418	0.368	ug/L	96
18) trans-1,2-Dichloroethene	3.350	96	3823	0.418	ug/L #	75
19) 1,1-Dichloroethane	3.870	63	6794	0.399	ug/L	97
21) 2-Butanone	4.732	43	8593	3.844	ug/L	77
22) cis-1,2-Dichloroethene	4.668	96	7195	0.697	ug/L	92
23) Bromochloromethane	4.973	128	1791	0.442	ug/L #	90
25) Chloroform	5.086	83	6714	0.379	ug/L	94
27) 1,2-Dichloroethane	5.793	62	4228	0.388	ug/L	97
29) 1,1,1-Trichloroethane	5.311	97	5257	0.339	ug/L	96
30) Cyclohexane	5.388	56	5772	0.368	ug/L	95
31) Carbon tetrachloride	5.520	117	4538	0.352	ug/L	93
33) Benzene	5.774	78	15877	0.419	ug/L	100
34) Trichloroethene	6.546	95	4271	0.401	ug/L	93
35) Methylcyclohexane	6.758	83	6738	0.386	ug/L	96
37) 1,2-Dichloropropane	6.790	63	4262	0.414	ug/L #	89
38) Bromodichloromethane	7.102	83	3900	0.298	ug/L #	96
39) cis-1,3-Dichloropropene	7.607	75	6029	0.373	ug/L	90
40) 4-Methyl-2-pentanone	7.790	43	19005	3.570	ug/L	99
42) Toluene	7.967	91	17253	0.417	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	4634	0.346	ug/L	92

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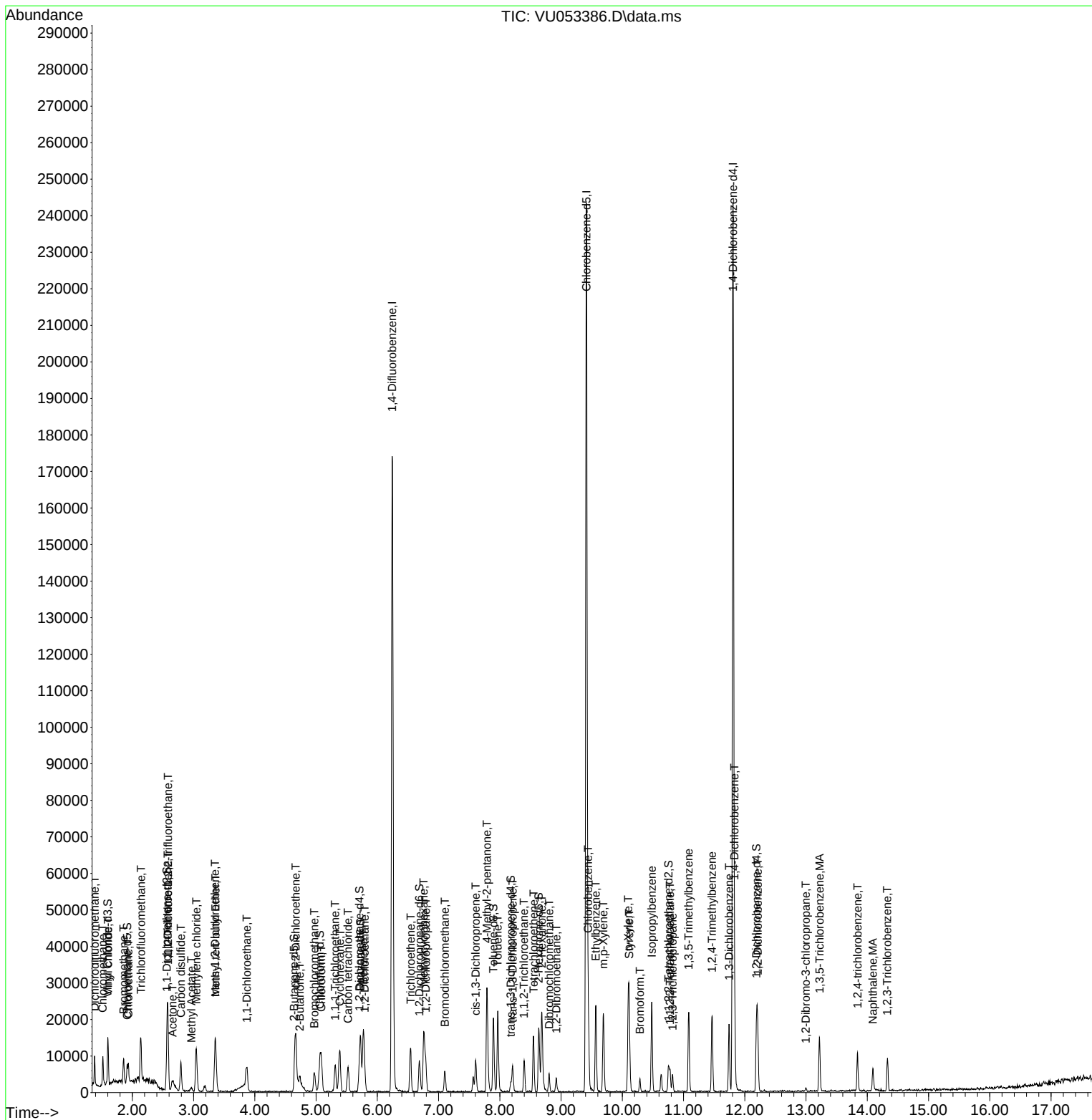
Quant Time: Mar 24 22:44:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 24 22:43:22 2023
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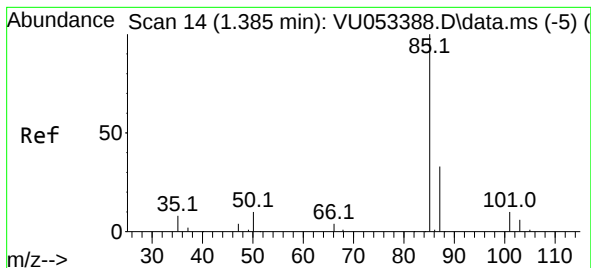
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.394	97	2843	0.381	ug/L	90
47) Tetrachloroethene	8.552	164	3233	0.459	ug/L	81
48) 2-Hexanone	8.687	43	13925	3.546	ug/L	99
49) Dibromochloromethane	8.806	129	2212	0.278	ug/L	80
50) 1,2-Dibromoethane	8.922	107	2719	0.395	ug/L #	78
51) Chlorobenzene	9.443	112	10833	0.418	ug/L	98
52) Ethylbenzene	9.568	91	17797	0.382	ug/L	95
53) m,p-Xylene	9.690	106	6466	0.369	ug/L	99
54) o-Xylene	10.095	106	5836	0.345	ug/L	99
55) Styrene	10.115	104	9791	0.359	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	3369	0.359	ug/L #	85
59) Bromoform	10.288	173	1492	0.343	ug/L #	76
60) Isopropylbenzene	10.481	105	15972	0.355	ug/L	99
61) 1,2,3-Trichloropropane	10.822	75	2228	0.370	ug/L #	87
62) 1,3,5-Trimethylbenzene	11.082	105	12500	0.330	ug/L	96
63) 1,2,4-Trimethylbenzene	11.462	105	13203	0.348	ug/L	96
64) 1,3-Dichlorobenzene	11.745	146	7000	0.378	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	7640	0.411	ug/L	94
67) 1,2-Dichlorobenzene	12.211	146	7046	0.408	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.995	75	436	0.322	ug/L #	88
69) 1,3,5-Trichlorobenzene	13.221	180	5408	0.414	ug/L	90
70) 1,2,4-trichlorobenzene	13.841	180	3842	0.356	ug/L #	93
71) Naphthalene	14.092	128	6608	0.309	ug/L #	95
72) 1,2,3-Trichlorobenzene	14.327	180	3222	0.340	ug/L	97

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

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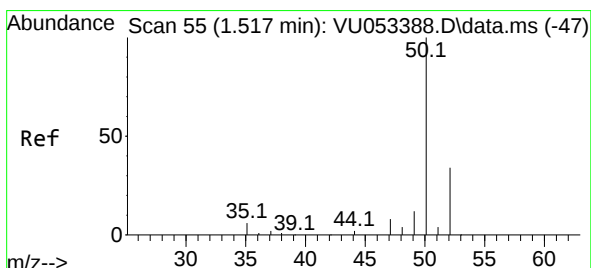
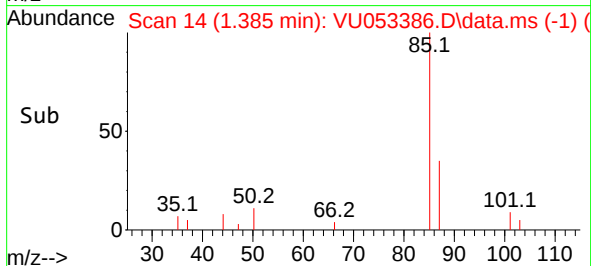
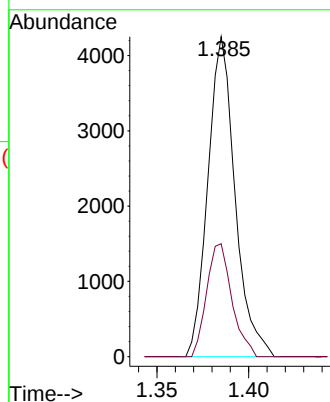
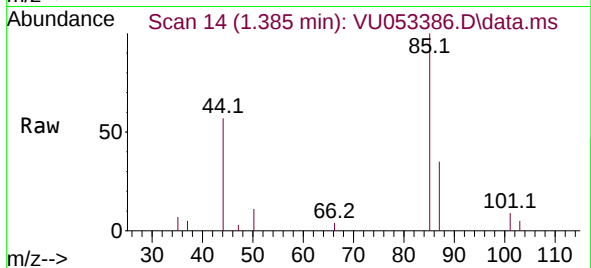




#2
 Dichlorodifluoromethane
 Concen: 0.406 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. -0.000 min
 Lab File: VU053386.D
 Acq: 24 Mar 2023 12:11

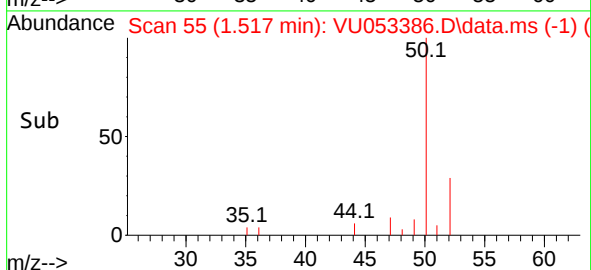
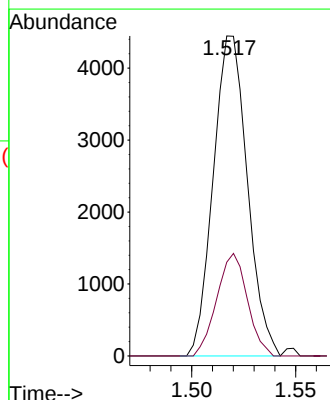
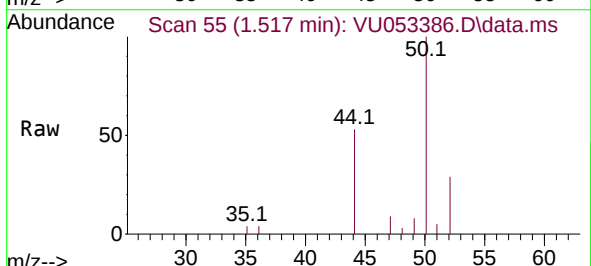
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 MSVOA_U
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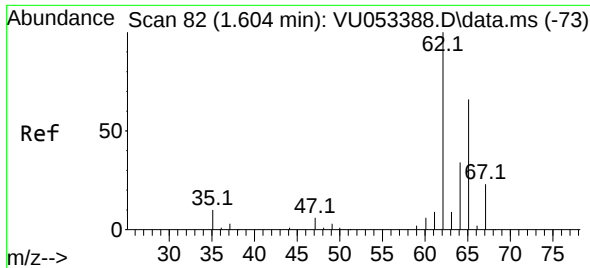
Tgt Ion: 85 Resp: 4375
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.1 39.1



#3
 Chloromethane
 Concen: 0.458 ug/L
 RT: 1.517 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VU053386.D
 Acq: 24 Mar 2023 12:11

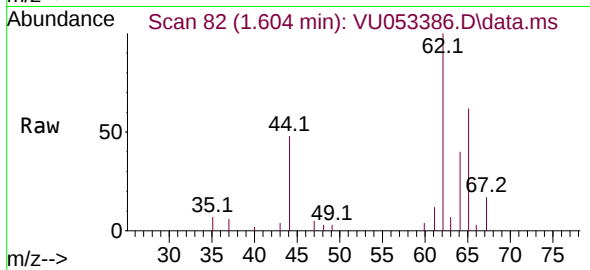
Tgt Ion: 50 Resp: 5074
 Ion Ratio Lower Upper
 50 100
 52 29.3 23.9 44.3



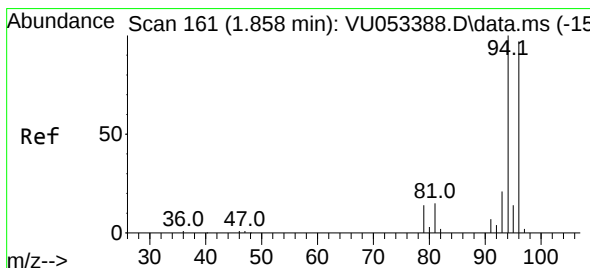
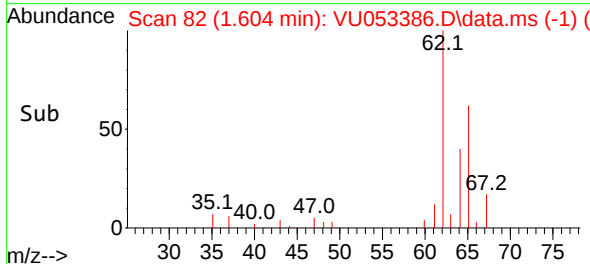
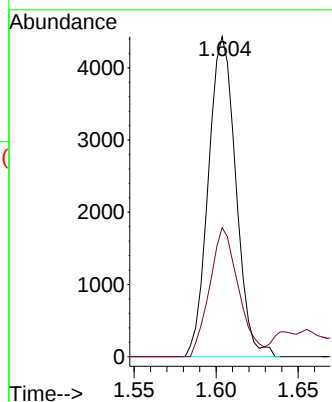


#5
 Vinyl chloride
 Concen: 0.423 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU053386.D
 Acq: 24 Mar 2023 12:11

Instrument :
 MSVOA_U
 ClientSampleId :

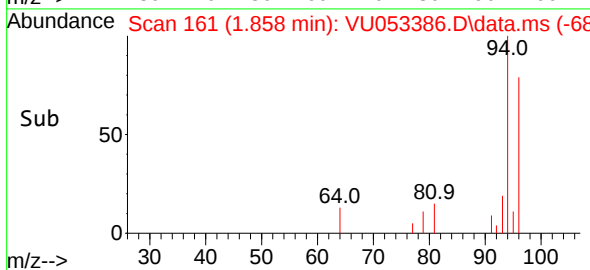
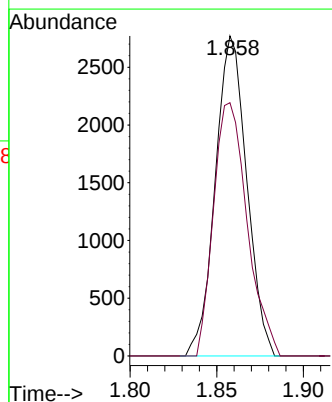
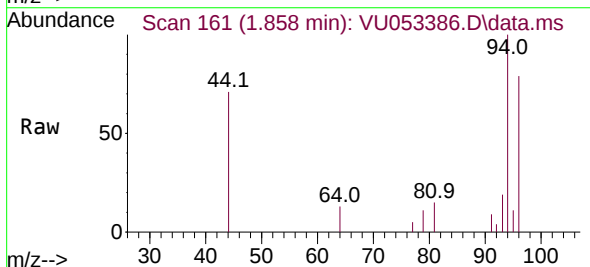


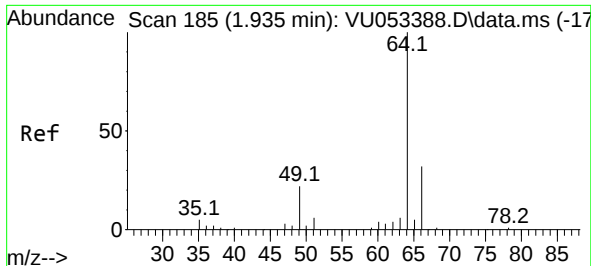
Tgt Ion: 62 Resp: 5143
 Ion Ratio Lower Upper
 62 100
 64 40.3 24.1 44.7



#6
 Bromomethane
 Concen: 0.462 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU053386.D
 Acq: 24 Mar 2023 12:11

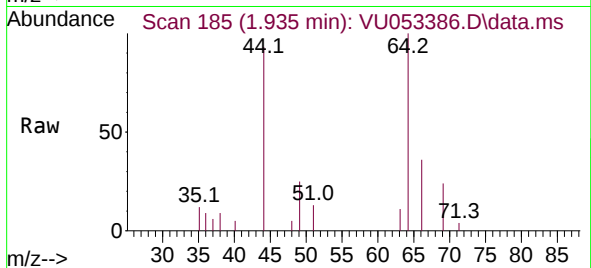
Tgt Ion: 94 Resp: 3500
 Ion Ratio Lower Upper
 94 100
 96 79.1 68.3 126.8



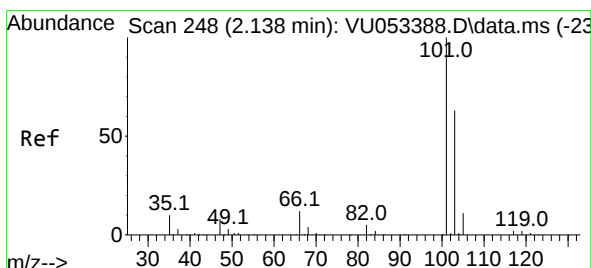
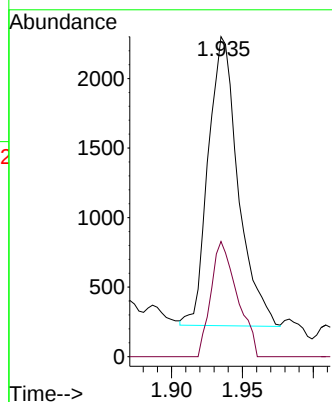
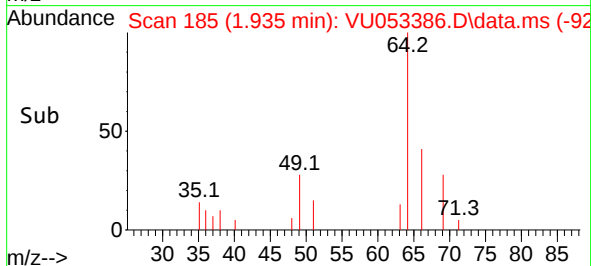


#8
Chloroethane
Concen: 0.421 ug/L
RT: 1.935 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

Instrument :
MSVOA_U
ClientSampleId :

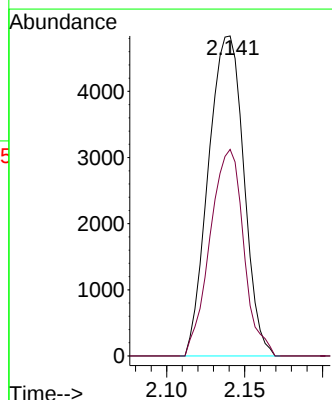
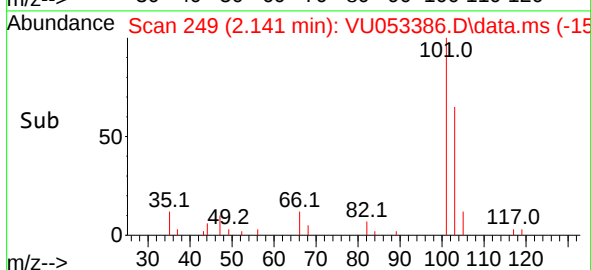
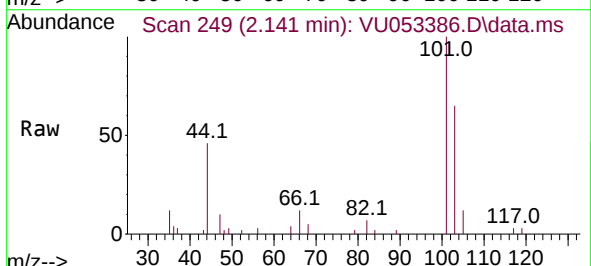


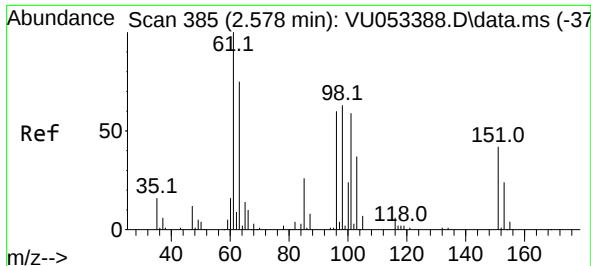
Tgt Ion: 64 Resp: 3060
Ion Ratio Lower Upper
64 100
66 36.0 22.3 41.5



#9
Trichlorofluoromethane
Concen: 0.442 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.003 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

Tgt Ion:101 Resp: 7637
Ion Ratio Lower Upper
101 100
103 61.4 50.2 75.2





#10

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

Concen: 0.387 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.003 min

Lab File: VU053386.D

Acq: 24 Mar 2023 12:11

Instrument :

MSVOA_U

ClientSampleId :

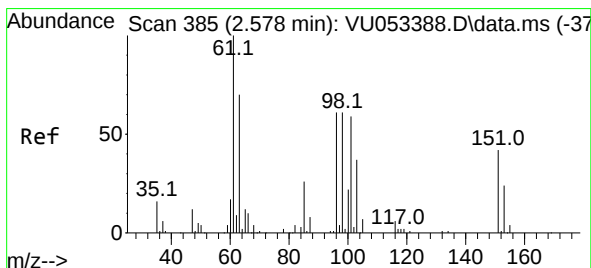
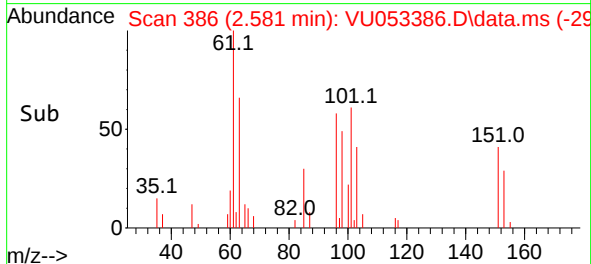
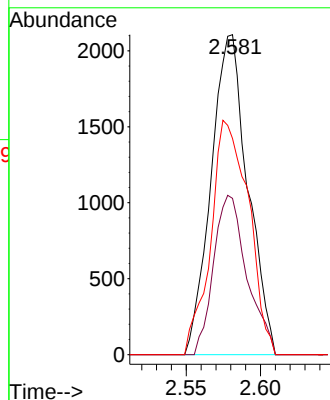
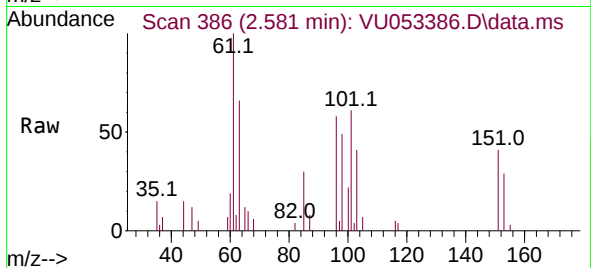
Tgt Ion:101 Resp: 3625

Ion Ratio Lower Upper

101 100

85 45.2 37.0 55.4

151 75.4 56.8 85.2



#12

1,1-Dichloroethene

Concen: 0.407 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU053386.D

Acq: 24 Mar 2023 12:11

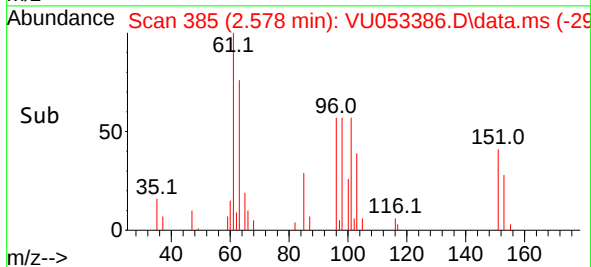
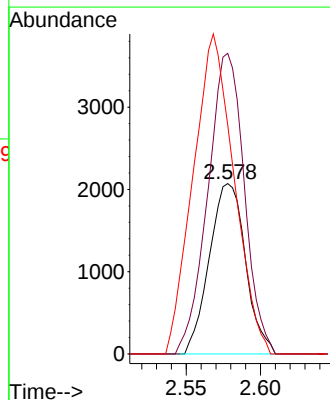
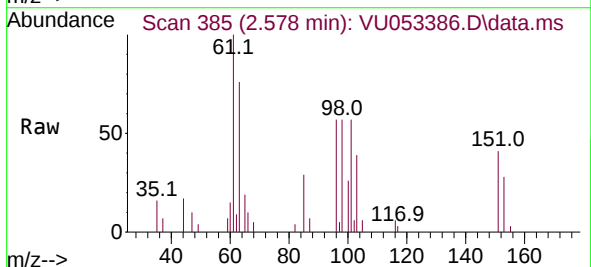
Tgt Ion: 96 Resp: 3507

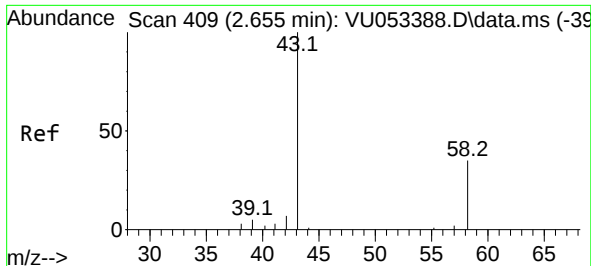
Ion Ratio Lower Upper

96 100

61 176.4 116.8 216.8

63 134.4 88.6 164.6





#13

Acetone

Concen: 1.794 ug/L

RT: 2.658 min Scan# 410

Delta R.T. 0.003 min

Lab File: VU053386.D

Acq: 24 Mar 2023 12:11

Instrument :

MSVOA_U

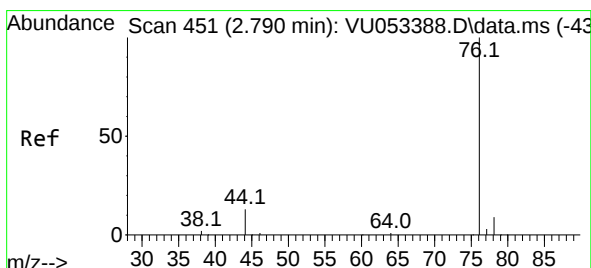
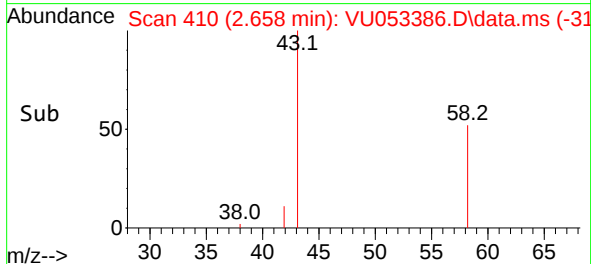
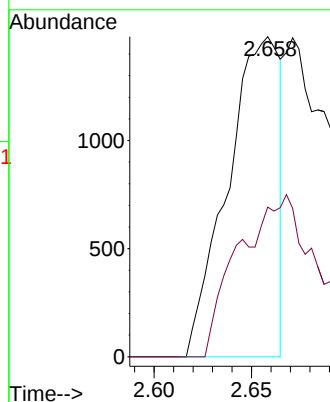
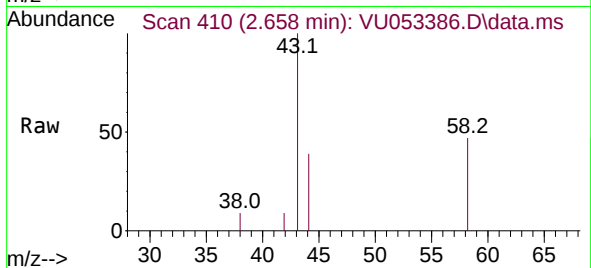
ClientSampleId :

Tgt Ion: 43 Resp: 2751

Ion Ratio Lower Upper

43 100

58 59.0 0.0 32.2#



#14

Carbon disulfide

Concen: 0.386 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU053386.D

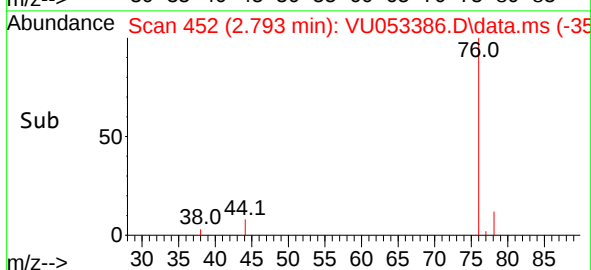
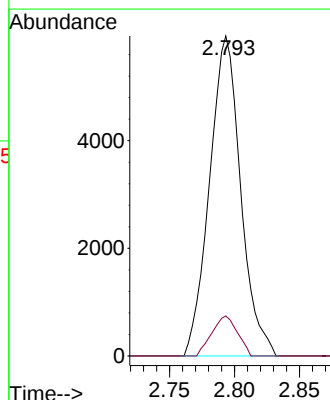
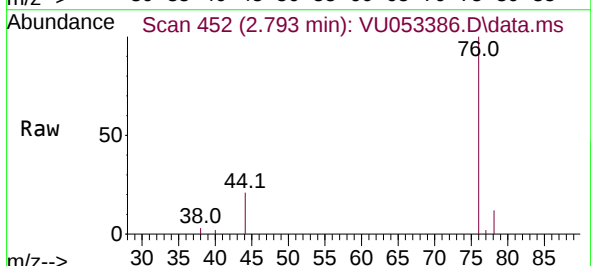
Acq: 24 Mar 2023 12:11

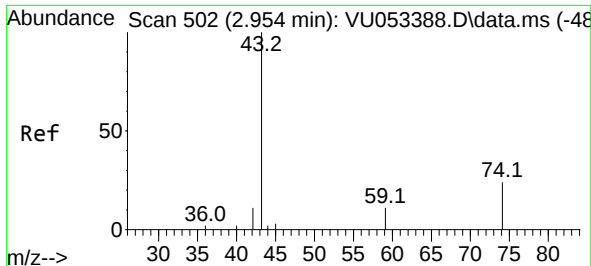
Tgt Ion: 76 Resp: 9899

Ion Ratio Lower Upper

76 100

78 12.5 7.0 10.4#

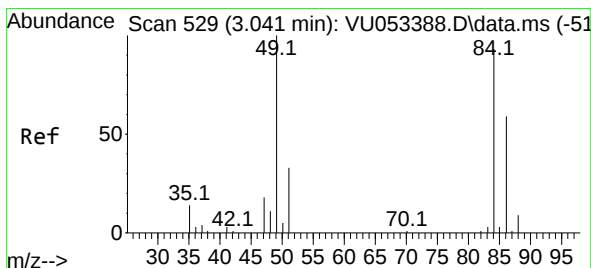
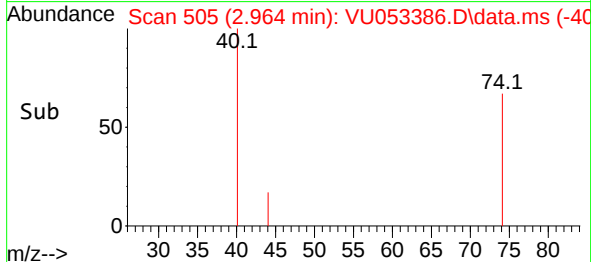
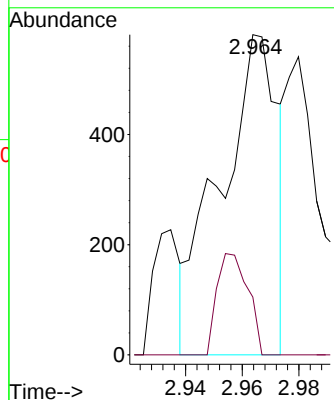
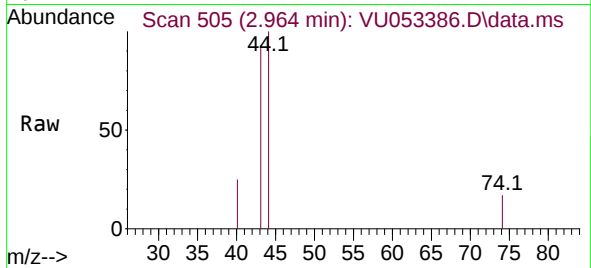




#15
Methyl Acetate
Concen: 0.225 ug/L
RT: 2.964 min Scan# 50
Delta R.T. 0.010 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

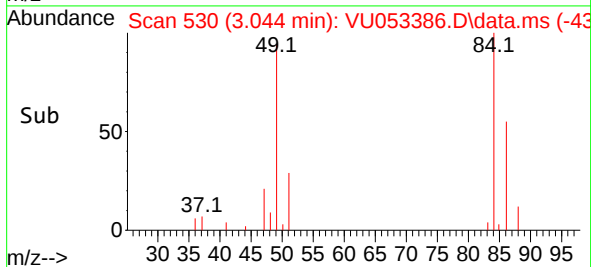
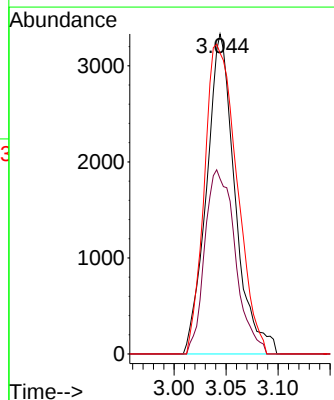
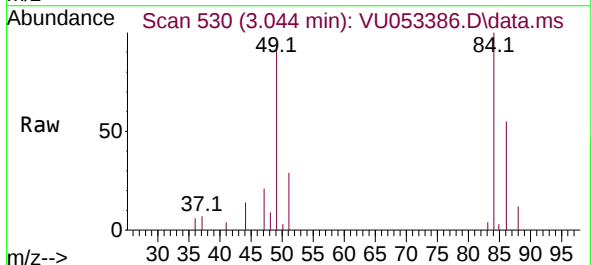
Instrument :
MSVOA_U
ClientSampleId :

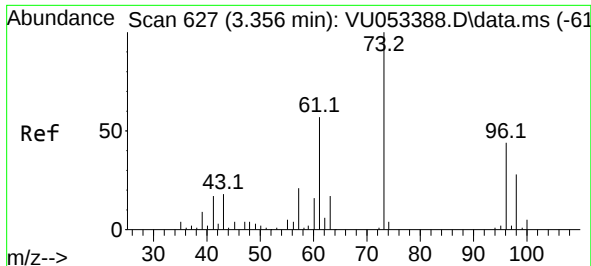
Tgt Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
74 17.1 20.8 31.2#



#16
Methylene chloride
Concen: 0.635 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

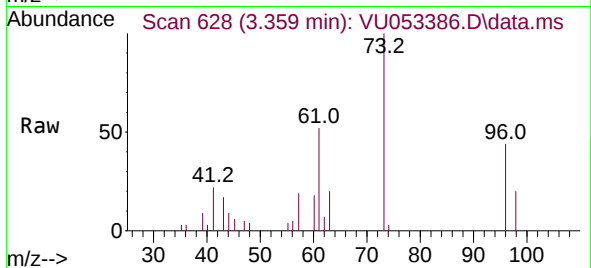
Tgt Ion: 84 Resp: 6354
Ion Ratio Lower Upper
84 100
86 54.7 44.7 83.1
49 94.1 75.5 140.1



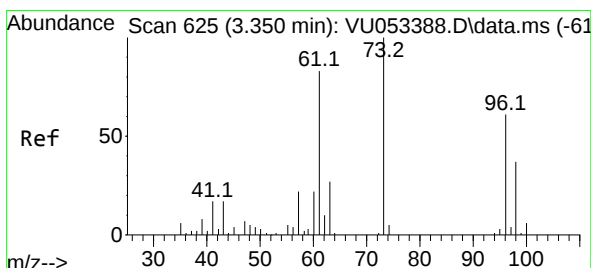
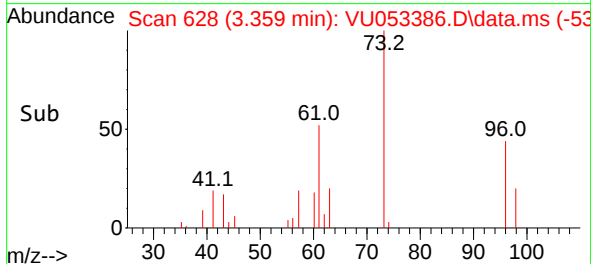
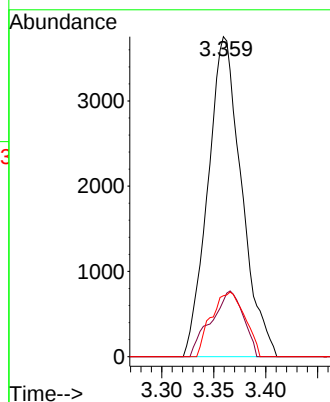


#17
Methyl tert-butyl Ether
Concen: 0.368 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

Instrument :
MSVOA_U
ClientSampleId :

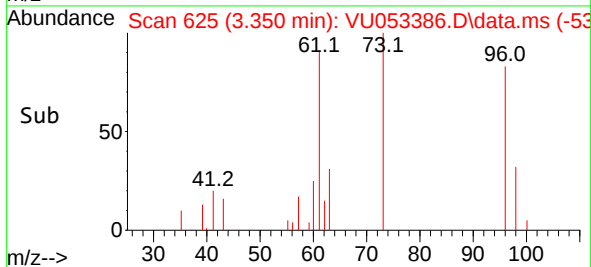
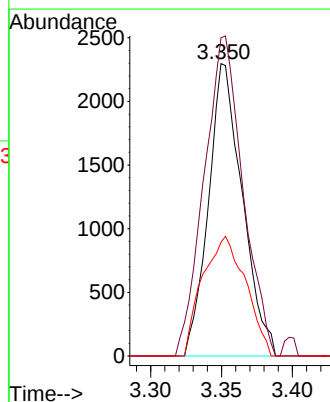
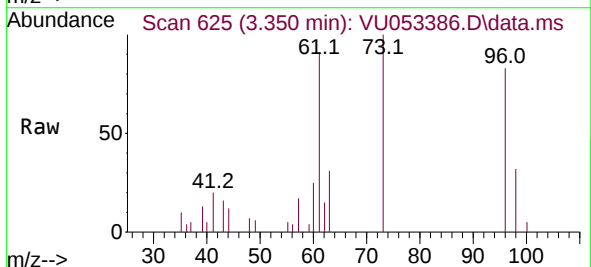


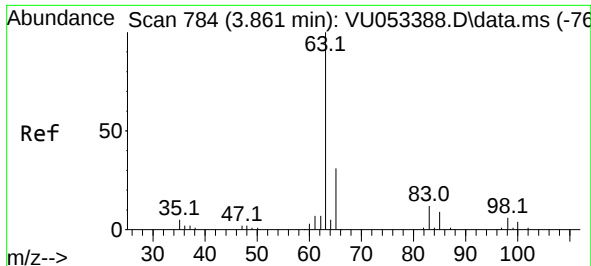
Tgt Ion: 73 Resp: 8418
Ion Ratio Lower Upper
73 100
43 19.7 13.9 20.9
57 20.2 17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 0.418 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.000 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

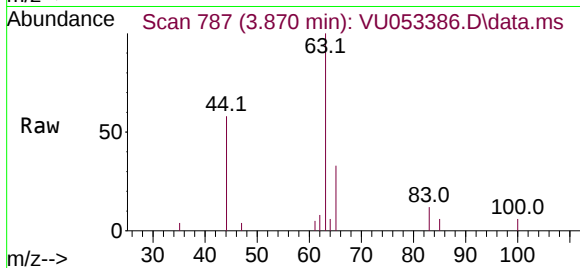
Tgt Ion: 96 Resp: 3823
Ion Ratio Lower Upper
96 100
61 108.9 95.5 177.3
98 38.9 42.2 78.4#



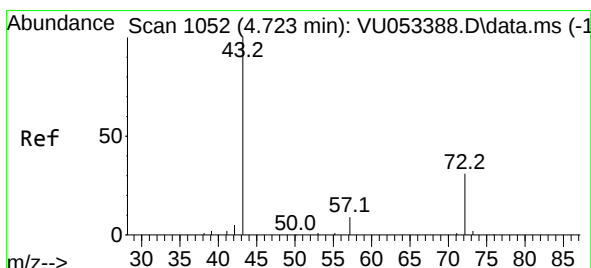
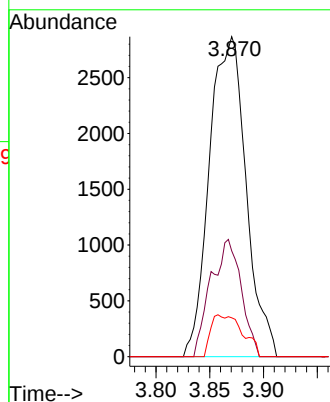
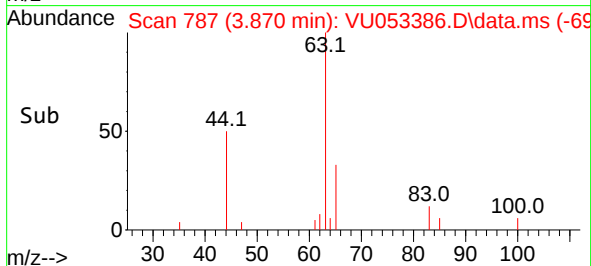


#19
1,1-Dichloroethane
Concen: 0.399 ug/L
RT: 3.870 min Scan# 719
Delta R.T. 0.010 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

Instrument :
MSVOA_U
ClientSampleId :

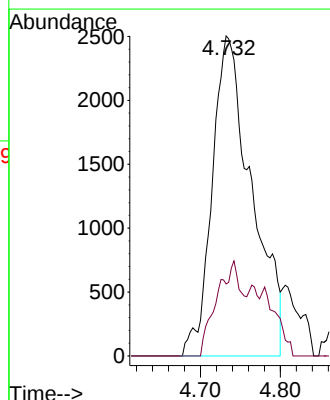
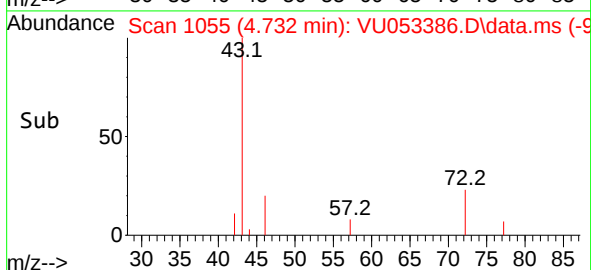
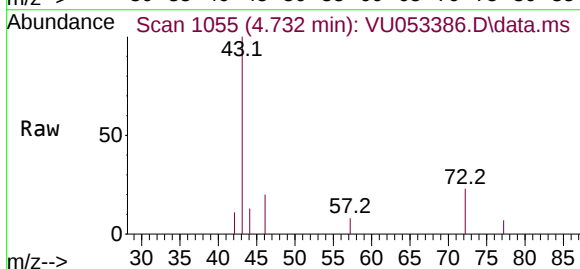


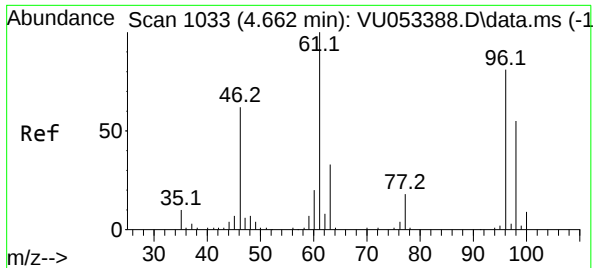
Tgt Ion:	63	Resp:	6794
Ion	Ratio	Lower	Upper
63	100		
65	33.1	21.7	40.3
83	12.1	8.1	15.1



#21
2-Butanone
Concen: 3.844 ug/L
RT: 4.732 min Scan# 1055
Delta R.T. 0.010 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

Tgt Ion:	43	Resp:	8593
Ion	Ratio	Lower	Upper
43	100		
72	19.3	16.2	48.6





#22

cis-1,2-Dichloroethene

Concen: 0.697 ug/L

RT: 4.668 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VU053386.D

Acq: 24 Mar 2023 12:11

Instrument :

MSVOA_U

ClientSampleId :

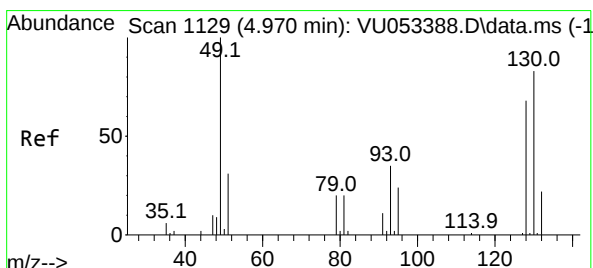
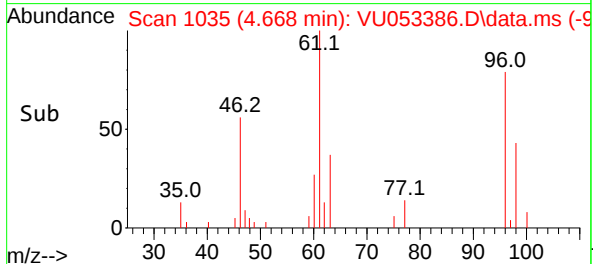
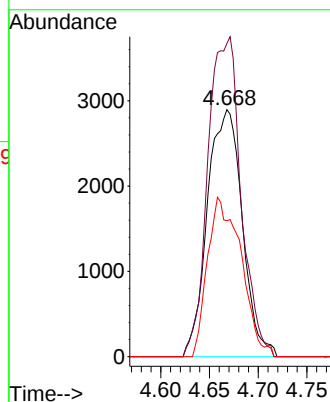
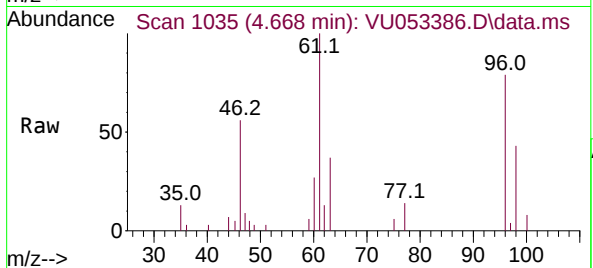
Tgt Ion: 96 Resp: 7195

Ion Ratio Lower Upper

96 100

61 126.8 86.6 160.8

98 55.0 47.7 88.5



#23

Bromochloromethane

Concen: 0.442 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VU053386.D

Acq: 24 Mar 2023 12:11

Tgt Ion:128 Resp: 1791

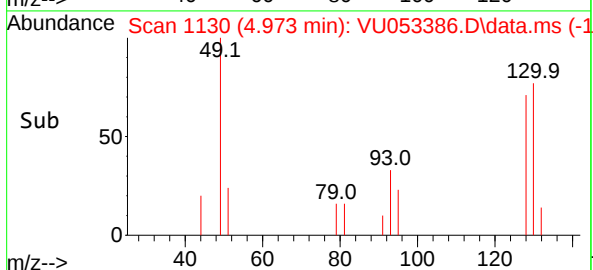
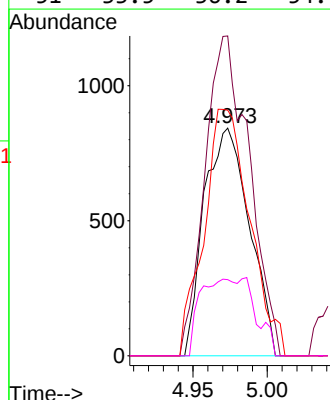
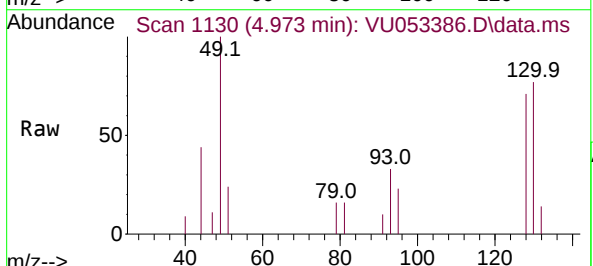
Ion Ratio Lower Upper

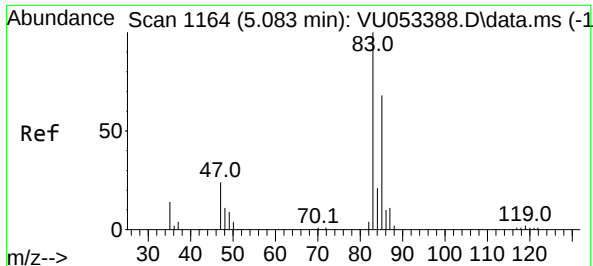
128 100

49 140.5 102.8 190.8

130 107.8 85.1 158.1

51 33.5 36.2 54.4#





#25

Chloroform

Concen: 0.379 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU053386.D

Acq: 24 Mar 2023 12:11

Instrument :

MSVOA_U

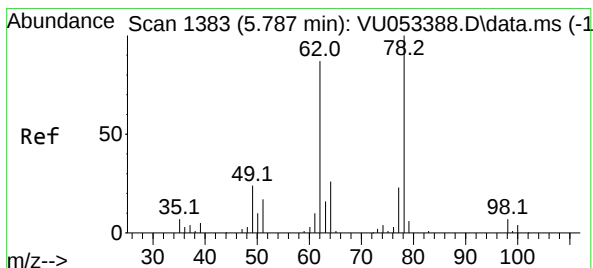
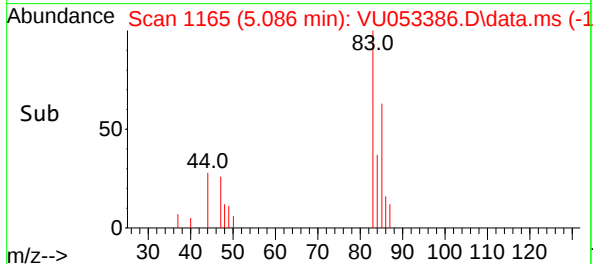
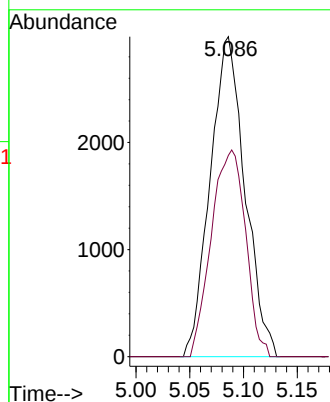
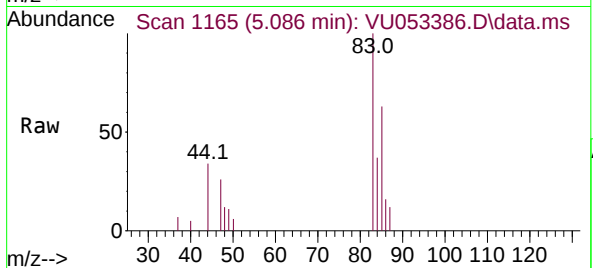
ClientSampleId :

Tgt Ion: 83 Resp: 6714

Ion Ratio Lower Upper

83 100

85 62.9 47.3 87.9



#27

1,2-Dichloroethane

Concen: 0.388 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VU053386.D

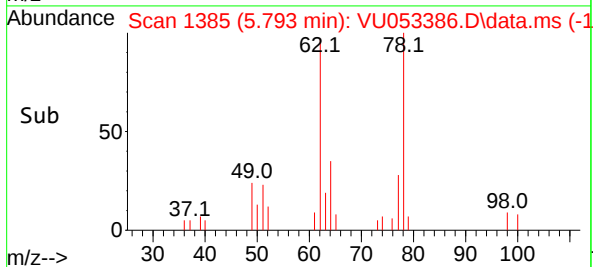
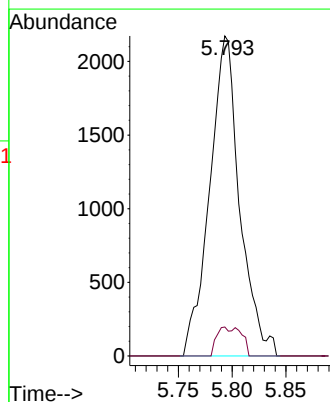
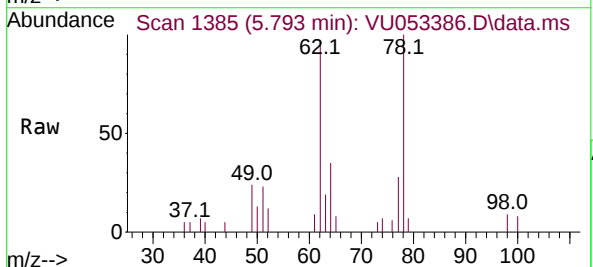
Acq: 24 Mar 2023 12:11

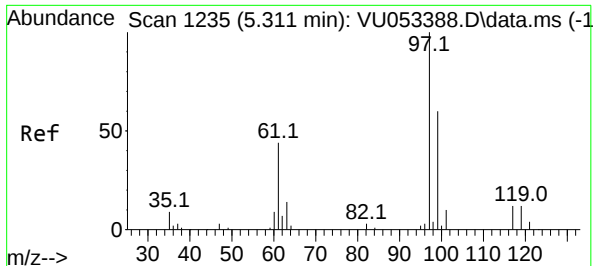
Tgt Ion: 62 Resp: 4228

Ion Ratio Lower Upper

62 100

98 9.1 6.4 9.6

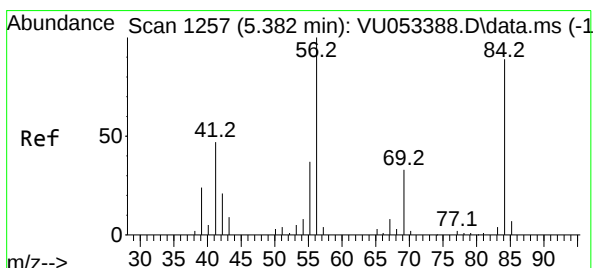
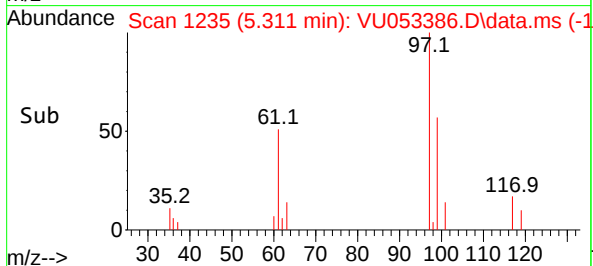
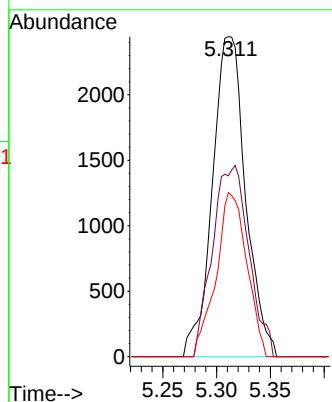
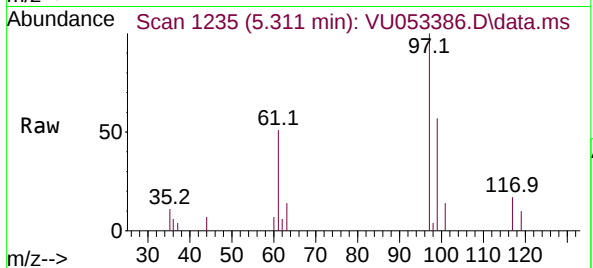




#29
1,1,1-Trichloroethane
Concen: 0.339 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

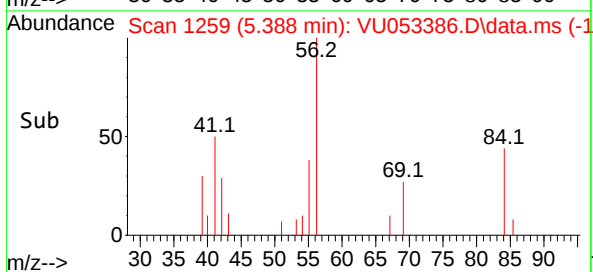
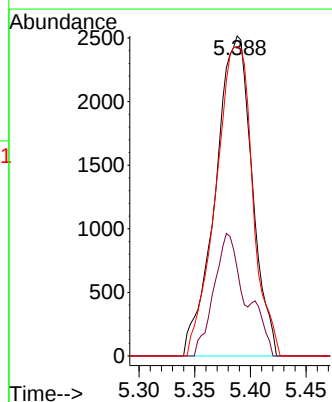
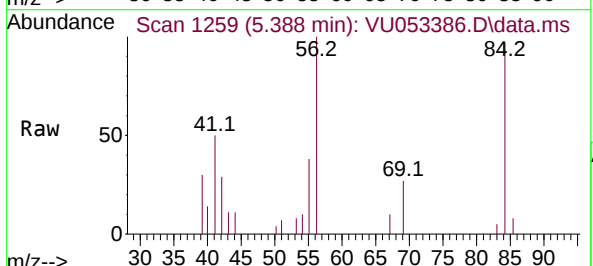
Instrument :
MSVOA_U
ClientSampleId :

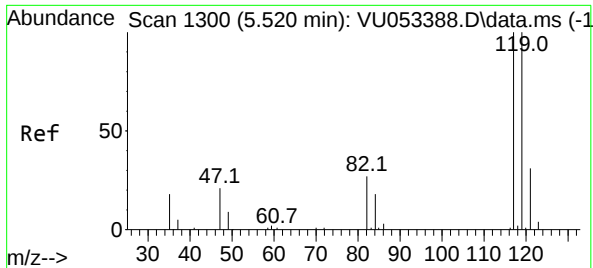
Tgt Ion:	97	Resp:	5257
Ion	Ratio	Lower	Upper
97	100		
99	65.5	49.9	74.9
61	47.4	35.7	53.5



#30
Cyclohexane
Concen: 0.368 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.006 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

Tgt Ion:	56	Resp:	5772
Ion	Ratio	Lower	Upper
56	100		
69	27.3	26.1	39.1
84	97.2	75.6	113.4

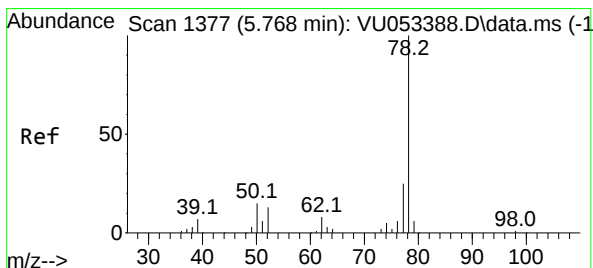
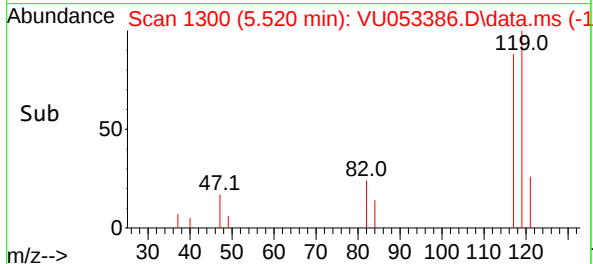
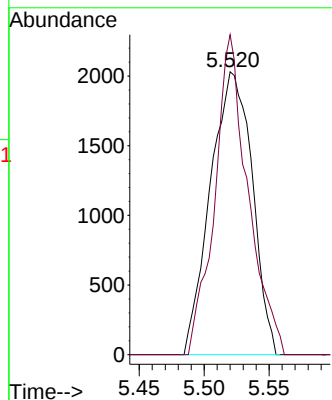
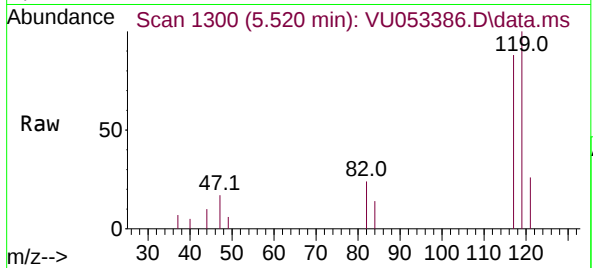




#31
Carbon tetrachloride
Concen: 0.352 ug/L
RT: 5.520 min Scan# 111
Delta R.T. -0.000 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

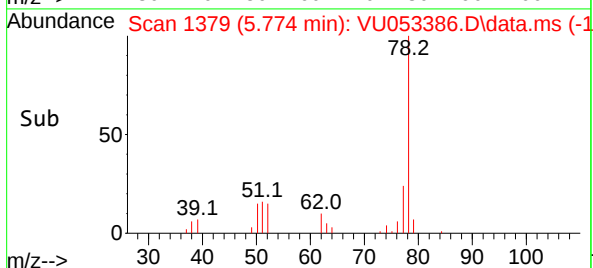
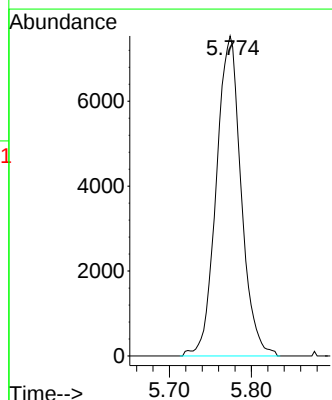
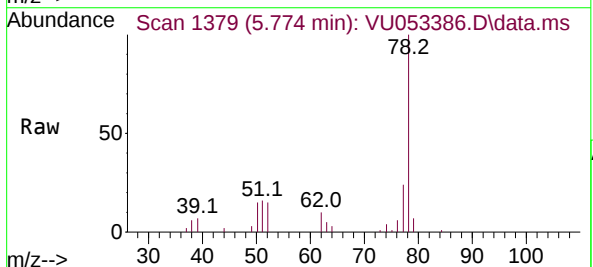
Instrument :
MSVOA_U
ClientSampleId :

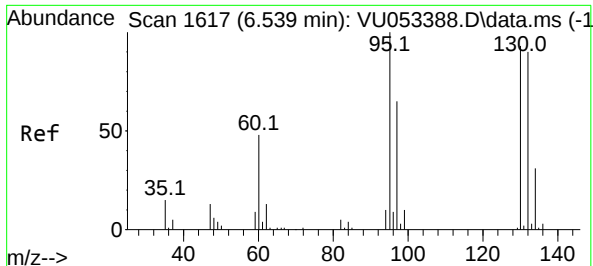
Tgt Ion:117 Resp: 4538
Ion Ratio Lower Upper
117 100
119 90.1 77.7 116.5



#33
Benzene
Concen: 0.419 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.006 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

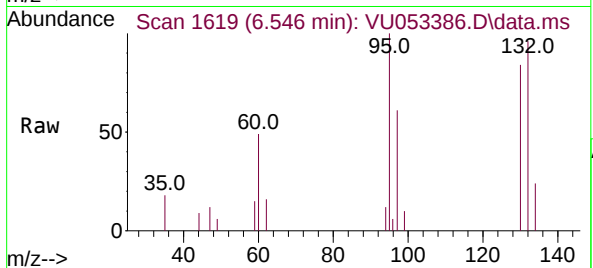
Tgt Ion: 78 Resp: 15877





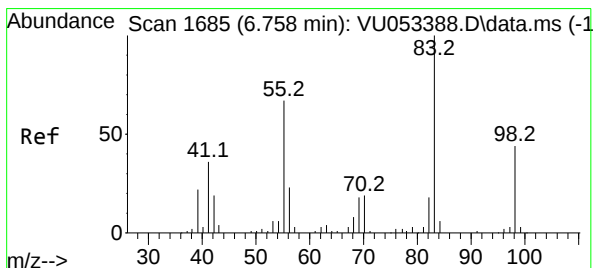
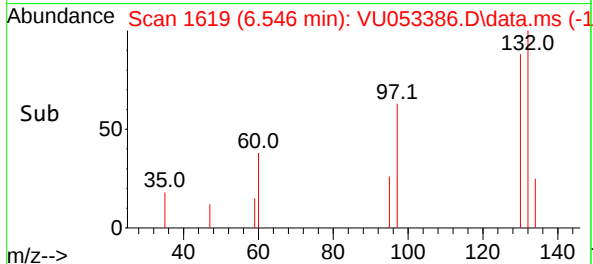
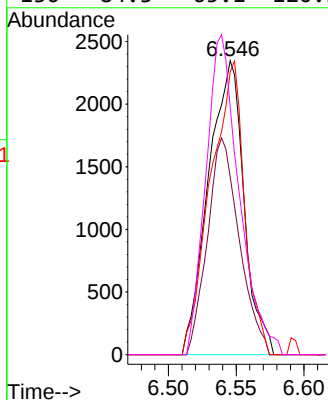
#34
Trichloroethene
Concen: 0.401 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 4271

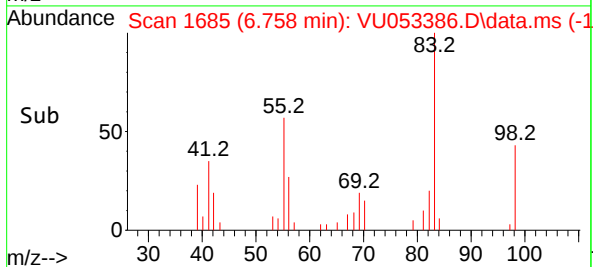
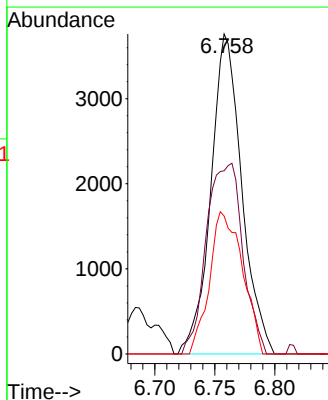
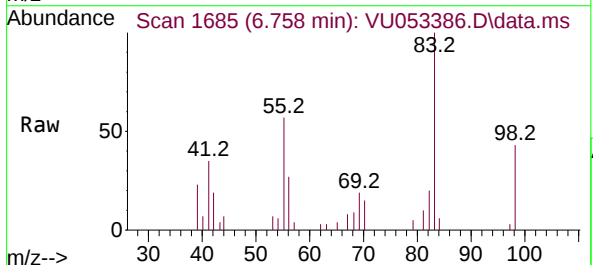
Ion	Ratio	Lower	Upper
95	100		
97	60.5	45.3	84.1
132	96.3	62.8	116.6
130	84.3	65.1	120.9

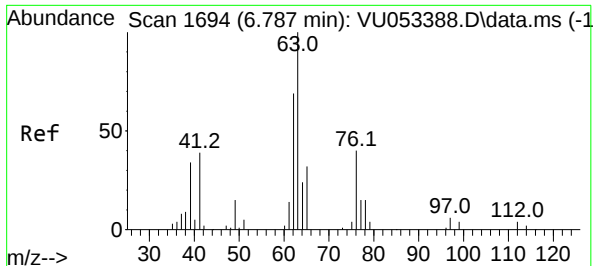


#35
Methylcyclohexane
Concen: 0.386 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

Tgt Ion: 83 Resp: 6738

Ion	Ratio	Lower	Upper
83	100		
55	70.2	54.9	82.3
98	47.4	34.9	52.3





#37

1,2-Dichloropropane

Concen: 0.414 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053386.D

Acq: 24 Mar 2023 12:11

Instrument :

MSVOA_U

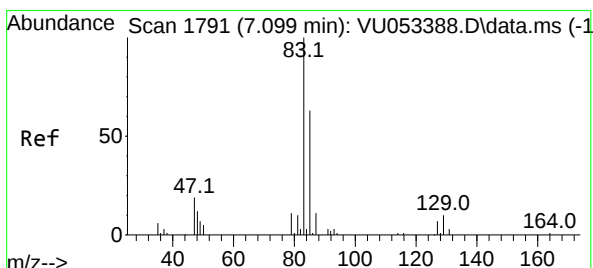
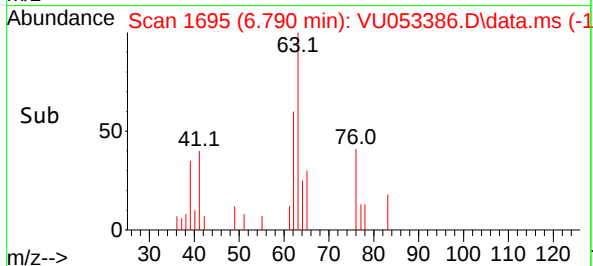
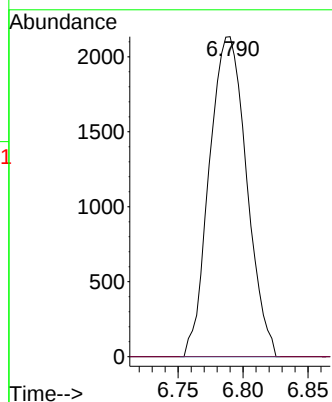
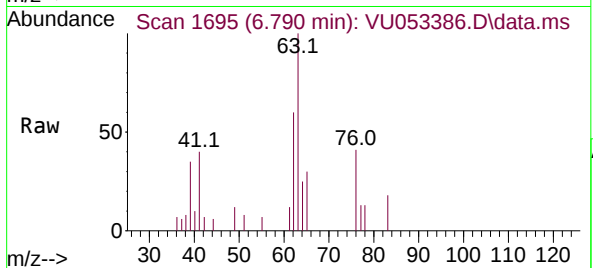
ClientSampleId :

Tgt Ion: 63 Resp: 4262

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



#38

Bromodichloromethane

Concen: 0.298 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.003 min

Lab File: VU053386.D

Acq: 24 Mar 2023 12:11

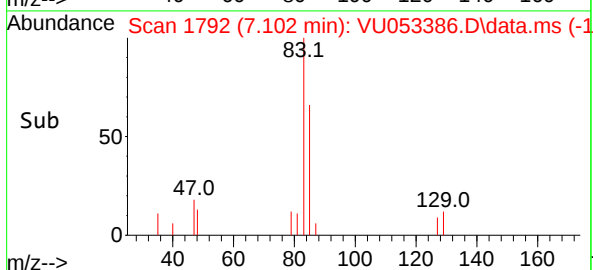
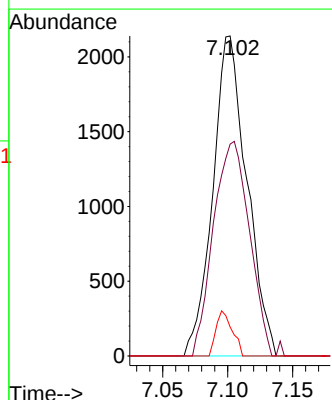
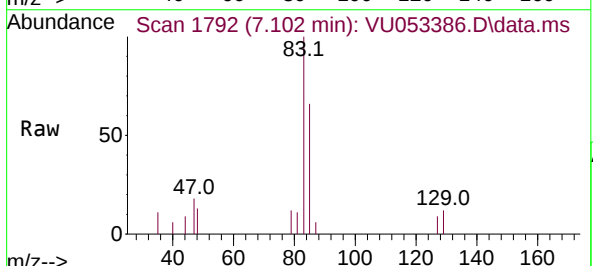
Tgt Ion: 83 Resp: 3900

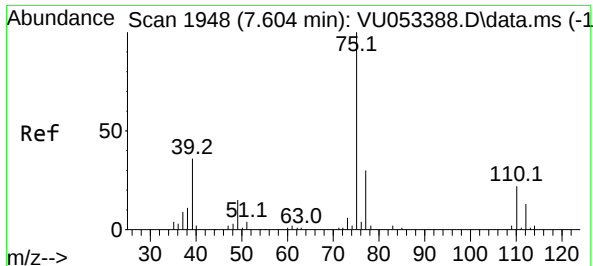
Ion Ratio Lower Upper

83 100

85 66.2 44.0 81.8

127 9.1 5.8 8.6#





#39

cis-1,3-Dichloropropene

Concen: 0.373 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU053386.D

Acq: 24 Mar 2023 12:11

Instrument :

MSVOA_U

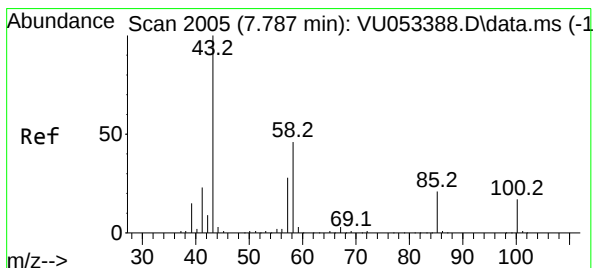
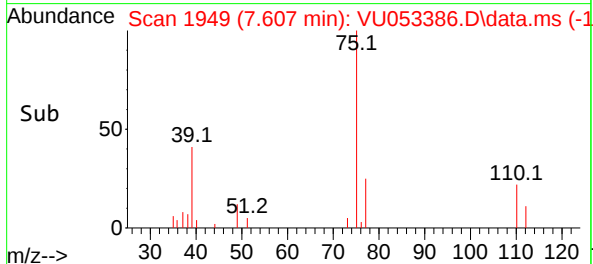
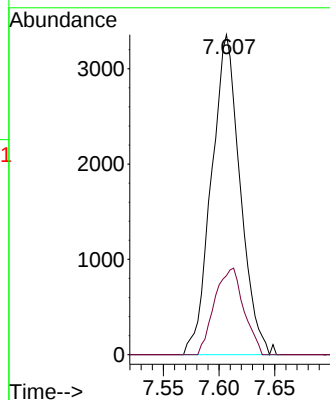
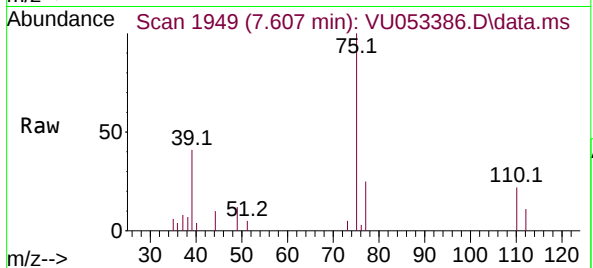
ClientSampleId :

Tgt Ion: 75 Resp: 6029

Ion Ratio Lower Upper

75 100

77 24.7 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 3.570 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU053386.D

Acq: 24 Mar 2023 12:11

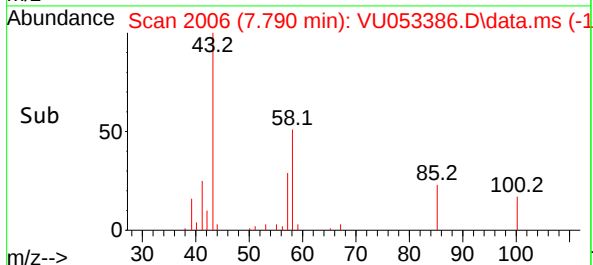
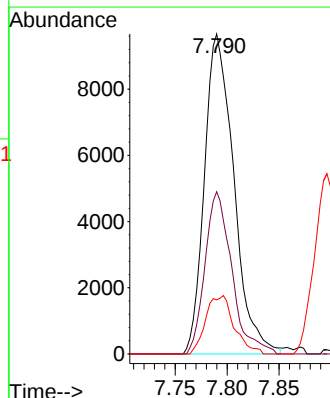
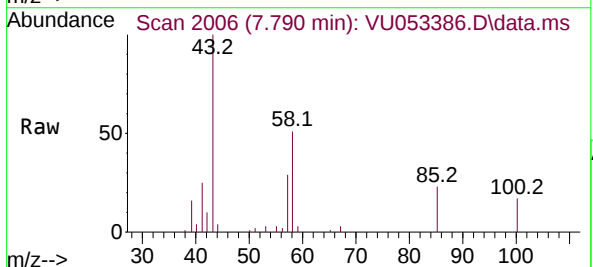
Tgt Ion: 43 Resp: 19005

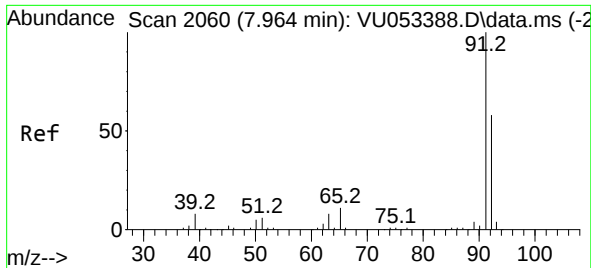
Ion Ratio Lower Upper

43 100

58 46.3 37.4 56.0

100 17.6 14.0 21.0





#42

Toluene

Concen: 0.417 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU053386.D

Acq: 24 Mar 2023 12:11

Instrument :

MSVOA_U

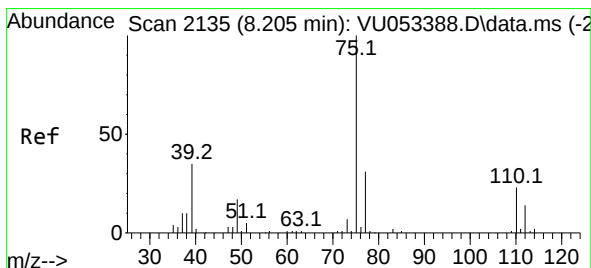
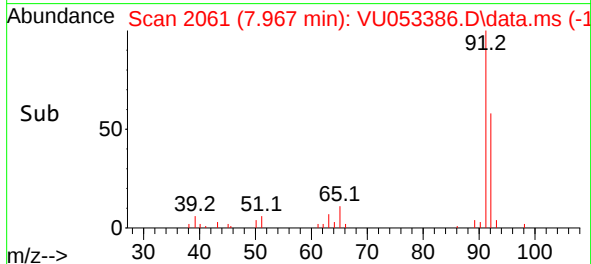
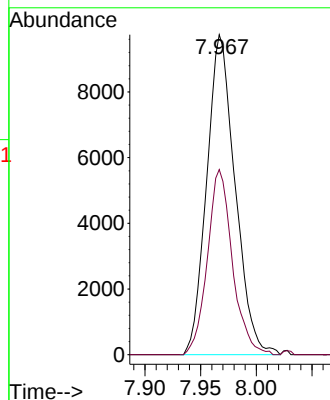
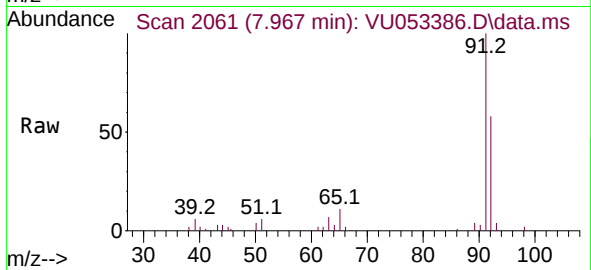
ClientSampleId :

Tgt Ion: 91 Resp: 17253

Ion Ratio Lower Upper

91 100

92 57.8 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 0.346 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.006 min

Lab File: VU053386.D

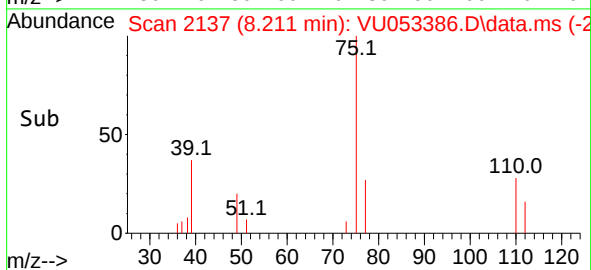
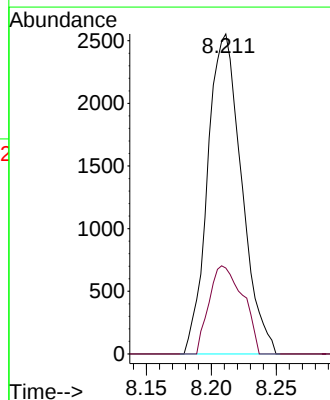
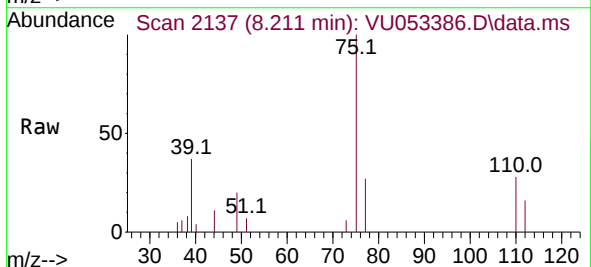
Acq: 24 Mar 2023 12:11

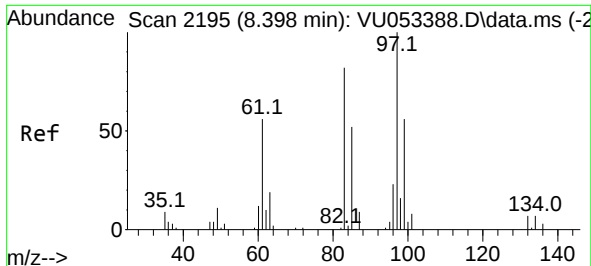
Tgt Ion: 75 Resp: 4634

Ion Ratio Lower Upper

75 100

77 26.9 22.0 40.8

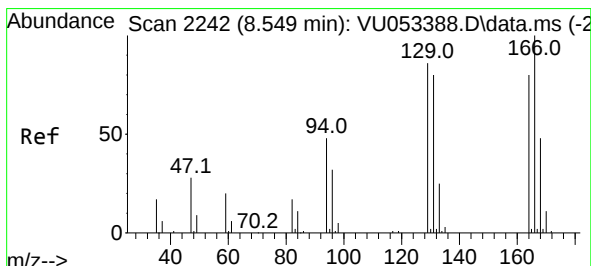
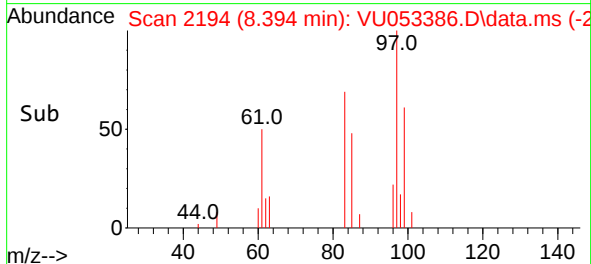
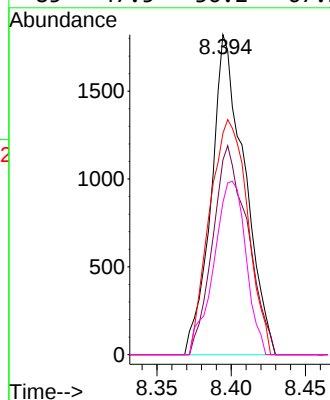
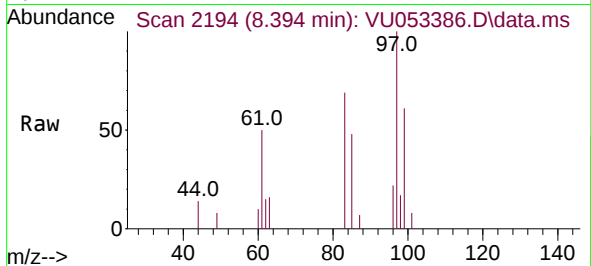




#45
1,1,2-Trichloroethane
Concen: 0.381 ug/L
RT: 8.394 min Scan# 2195
Delta R.T. -0.003 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

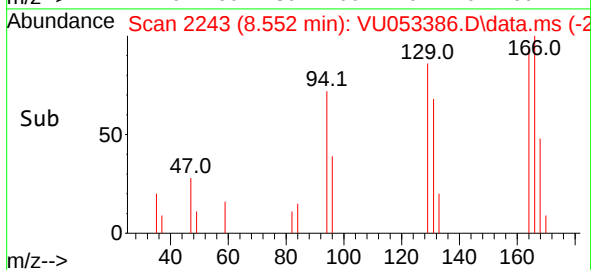
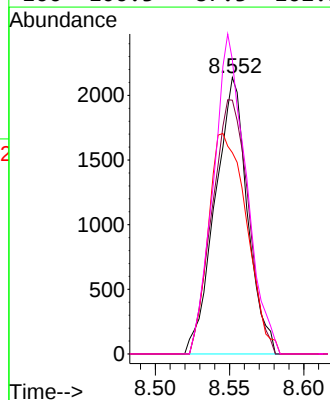
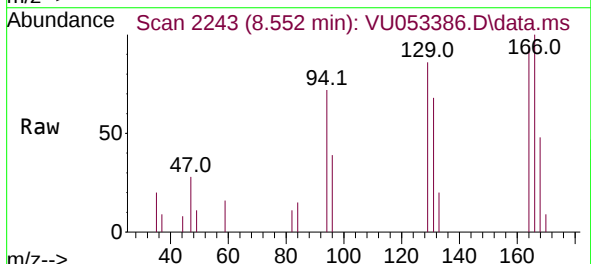
Instrument :
MSVOA_U
ClientSampleId :

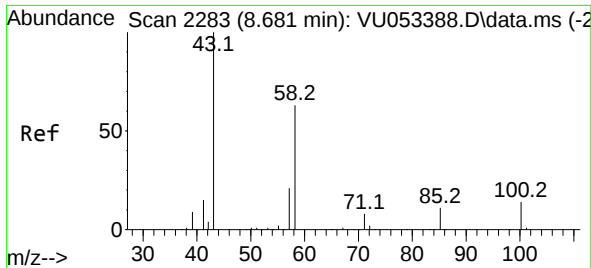
Tgt Ion: 97	Resp: 2843
Ion Ratio	Lower Upper
97 100	
99 60.9	38.9 72.2
83 69.2	57.6 107.0
85 47.5	36.2 67.2



#47
Tetrachloroethene
Concen: 0.459 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

Tgt Ion:164	Resp: 3233
Ion Ratio	Lower Upper
164 100	
129 91.8	74.8 138.8
131 72.8	70.1 130.1
166 106.3	87.3 162.1

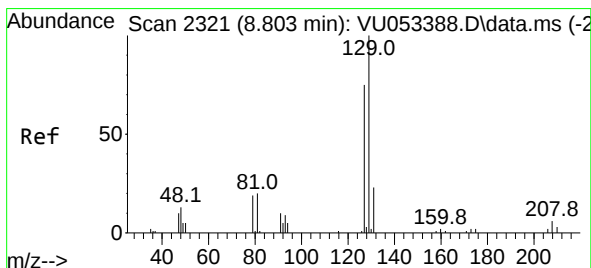
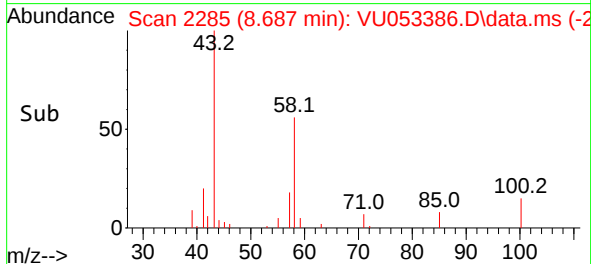
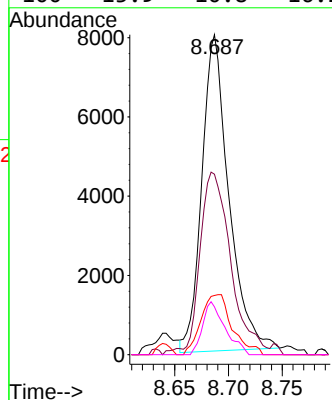
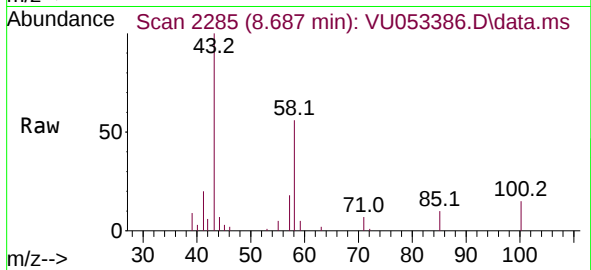




#48
2-Hexanone
Concen: 3.546 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

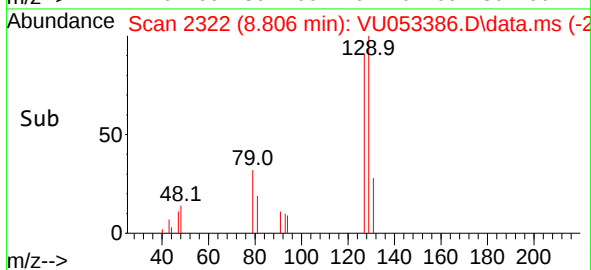
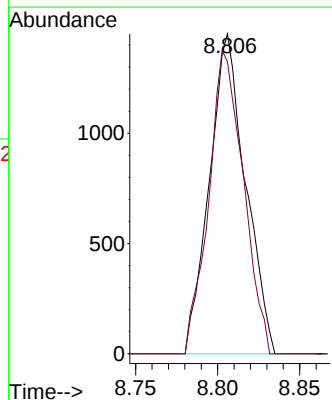
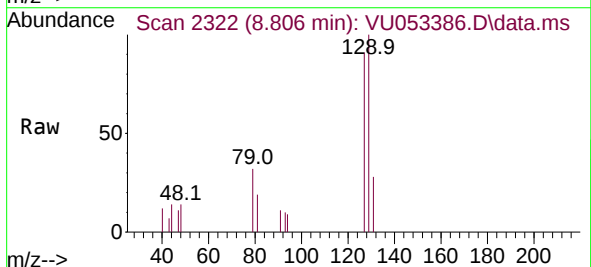
Instrument :
MSVOA_U
ClientSampleId :

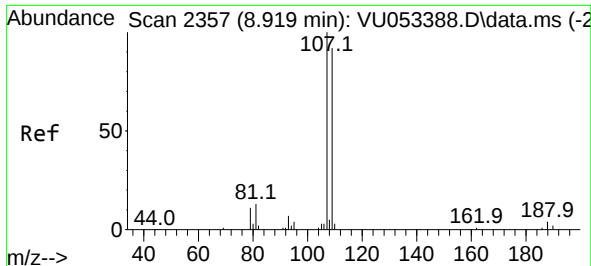
Tgt Ion: 43	Resp: 13925
Ion Ratio	Lower Upper
43 100	
58 66.2	52.8 79.2
57 21.9	17.1 25.7
100 13.9	10.8 16.2



#49
Dibromochloromethane
Concen: 0.278 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

Tgt Ion:129	Resp:	2212	
Ion	Ratio	Lower	Upper
129	100		
127	91.4	52.2	97.0





#50

1,2-Dibromoethane

Concen: 0.395 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.003 min

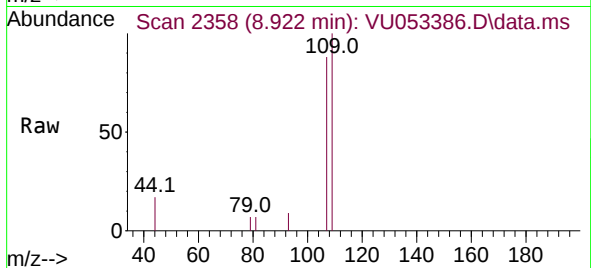
Lab File: VU053386.D

Acq: 24 Mar 2023 12:11

Instrument :

MSVOA_U

ClientSampleId :



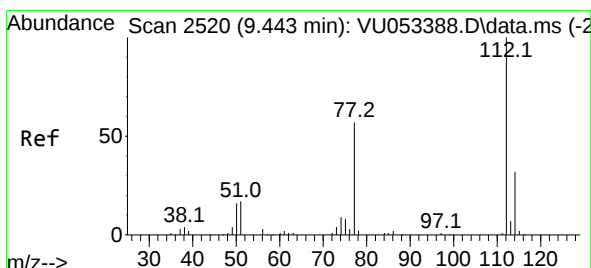
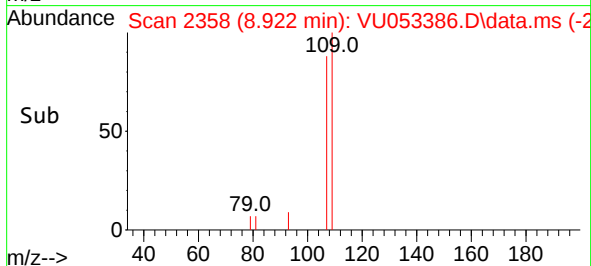
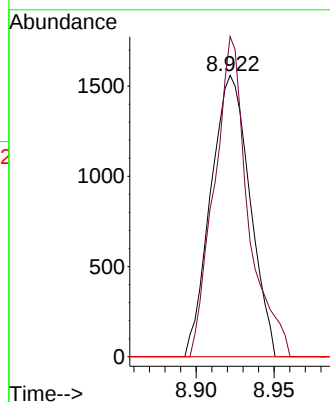
Tgt Ion:107 Resp: 2719

Ion Ratio Lower Upper

107 100

109 113.8 64.7 120.1

188 0.0 3.0 4.6#



#51

Chlorobenzene

Concen: 0.418 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053386.D

Acq: 24 Mar 2023 12:11

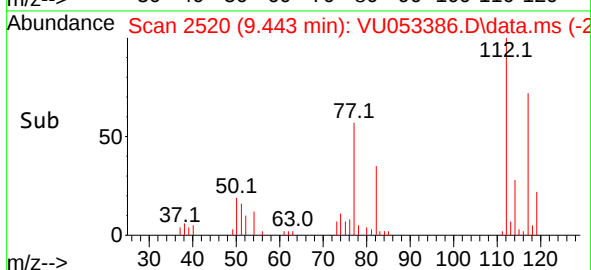
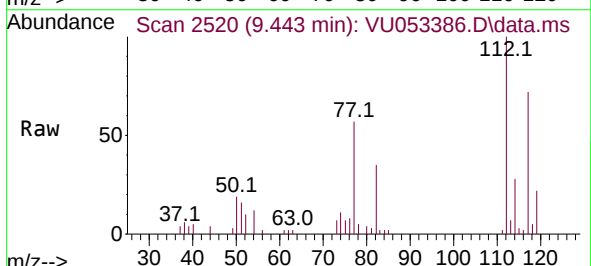
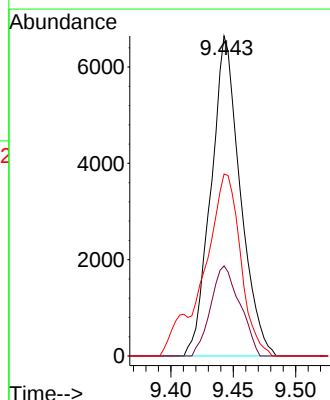
Tgt Ion:112 Resp: 10833

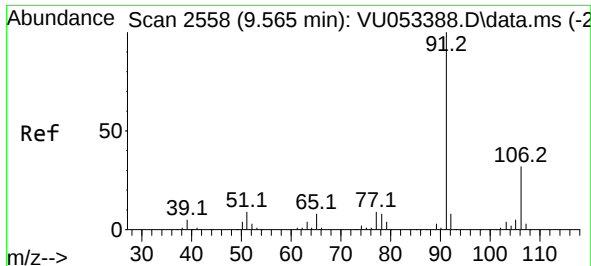
Ion Ratio Lower Upper

112 100

114 28.2 22.1 41.1

77 56.9 45.8 68.6

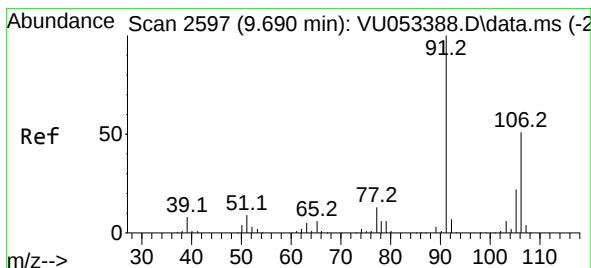
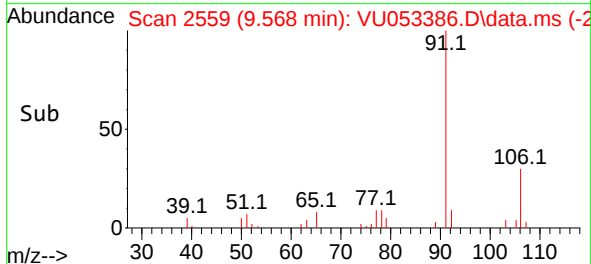
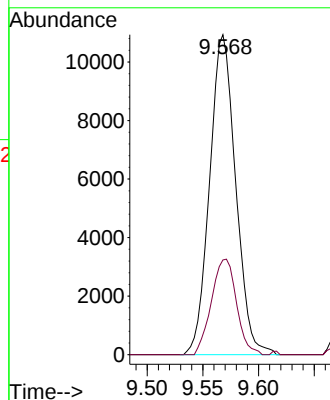
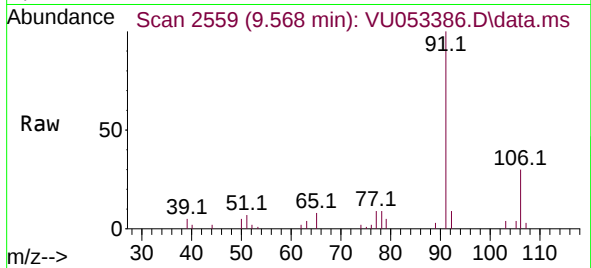




#52
Ethylbenzene
Concen: 0.382 ug/L
RT: 9.568 min Scan# 2558
Delta R.T. 0.003 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

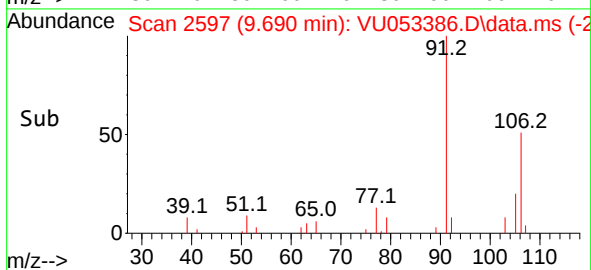
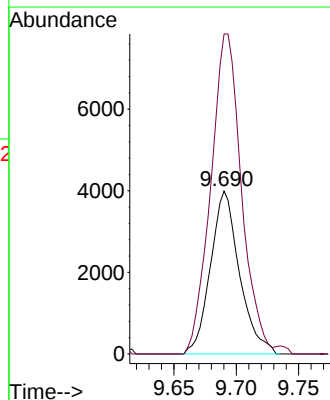
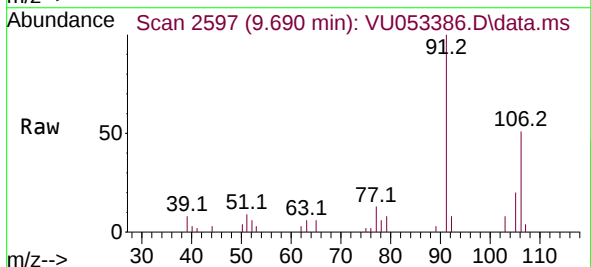
Instrument :
MSVOA_U
ClientSampleId :

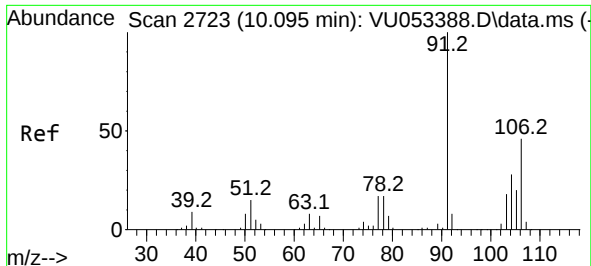
Tgt Ion: 91 Resp: 17797
Ion Ratio Lower Upper
91 100
106 29.6 22.5 41.9



#53
m,p-Xylene
Concen: 0.369 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

Tgt Ion: 106 Resp: 6466
Ion Ratio Lower Upper
106 100
91 196.4 138.8 257.8

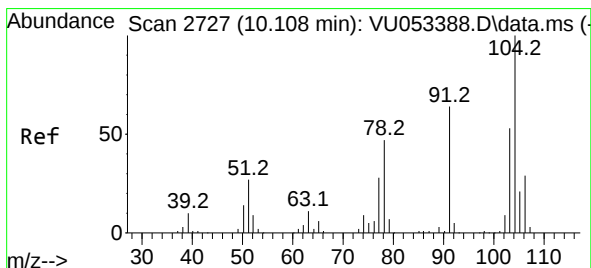
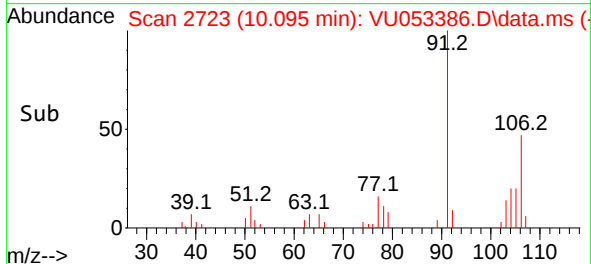
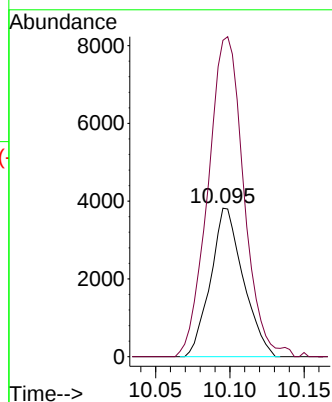
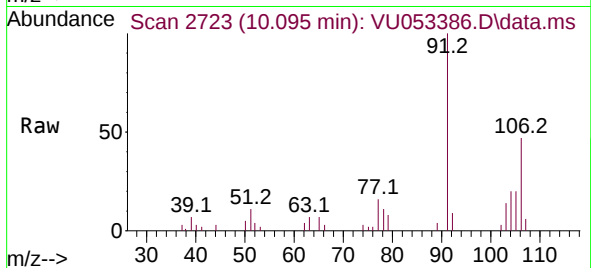




#54
o-Xylene
Concen: 0.345 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

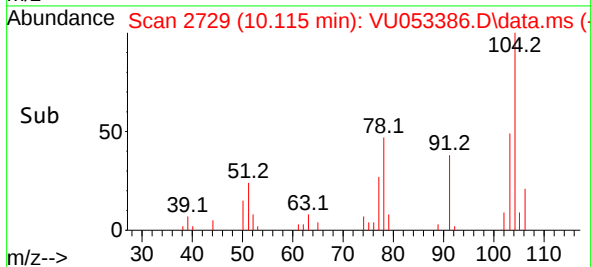
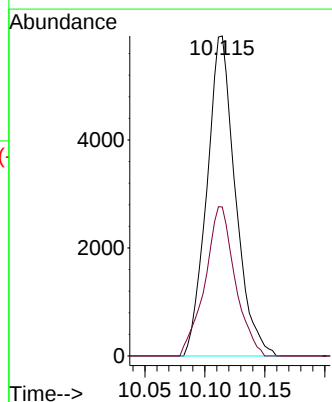
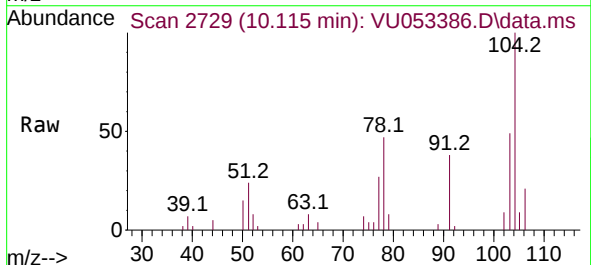
Instrument :
MSVOA_U
ClientSampleId :

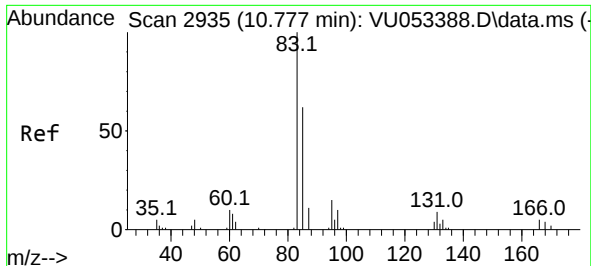
Tgt Ion:106 Resp: 5836
Ion Ratio Lower Upper
106 100
91 213.1 150.8 280.0



#55
Styrene
Concen: 0.359 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.006 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

Tgt Ion:104 Resp: 9791
Ion Ratio Lower Upper
104 100
78 46.5 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 0.359 ug/L

RT: 10.780 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VU053386.D

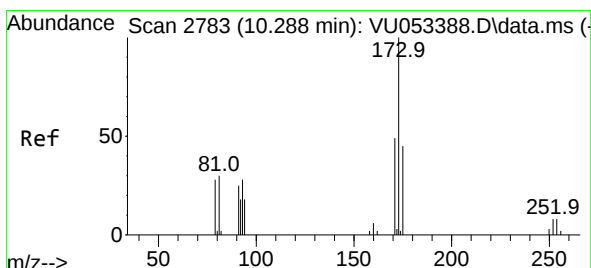
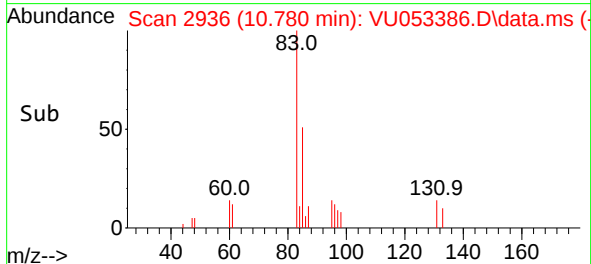
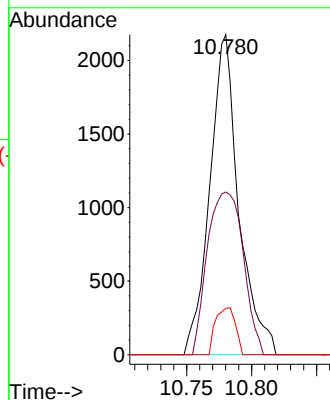
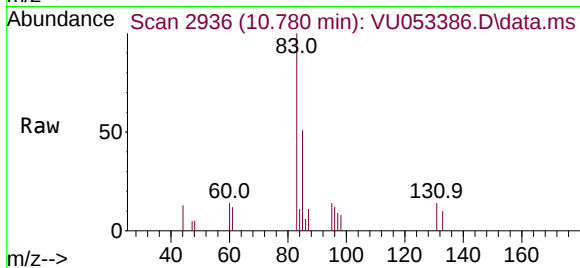
Acq: 24 Mar 2023 12:11

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp:	3369
Ion Ratio	Lower	Upper
83	100	
85	50.9	43.8 81.4
131	14.4	7.2 10.8#



#59

Bromoform

Concen: 0.343 ug/L

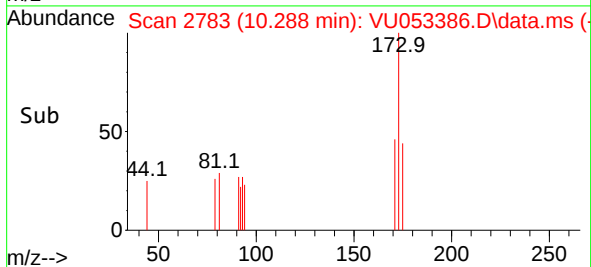
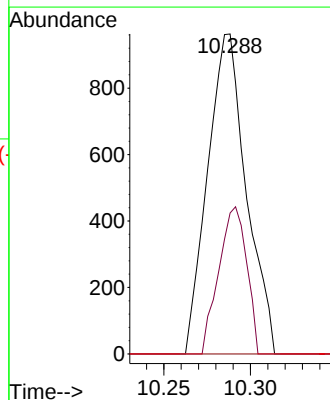
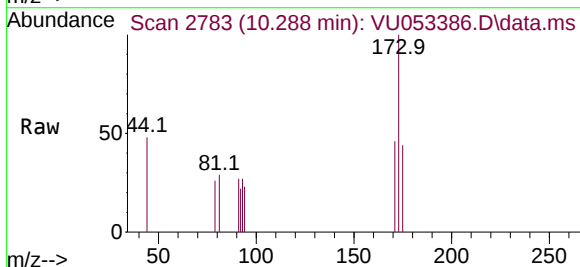
RT: 10.288 min Scan# 2783

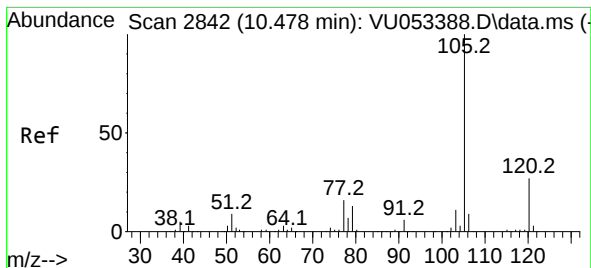
Delta R.T. -0.000 min

Lab File: VU053386.D

Acq: 24 Mar 2023 12:11

Tgt Ion: 173	Resp:	1492
Ion Ratio	Lower	Upper
173	100	
175	33.2	39.9 59.9#
254	0.0	6.6 9.8#





#60

Isopropylbenzene

Concen: 0.355 ug/L

RT: 10.481 min Scan# 2842

Delta R.T. 0.003 min

Lab File: VU053386.D

Acq: 24 Mar 2023 12:11

Instrument :

MSVOA_U

ClientSampleId :

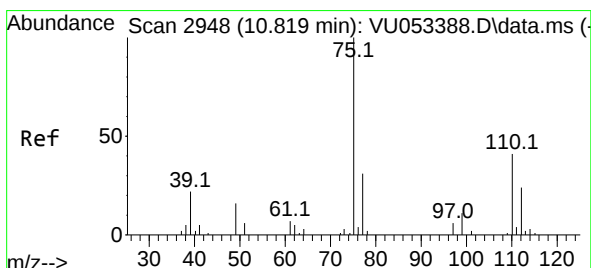
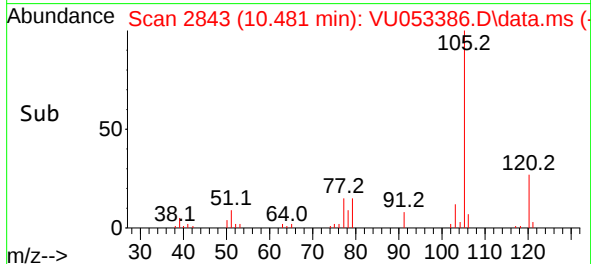
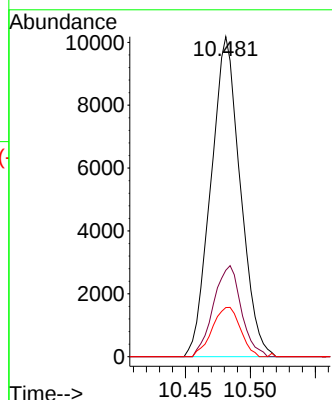
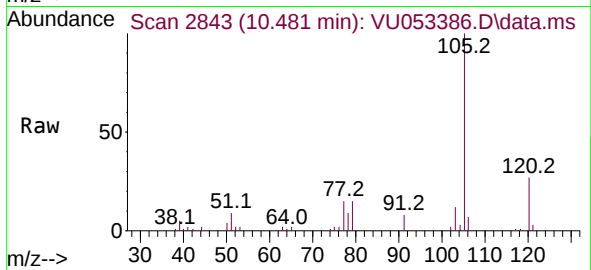
Tgt Ion:105 Resp: 15972

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

77 14.8 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 0.370 ug/L

RT: 10.822 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU053386.D

Acq: 24 Mar 2023 12:11

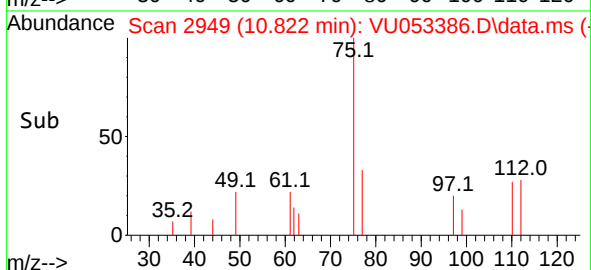
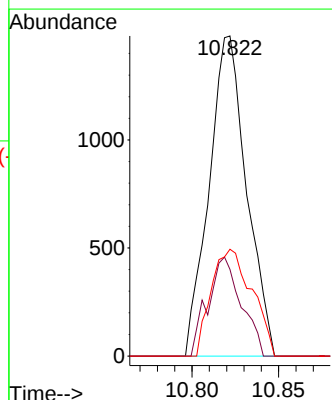
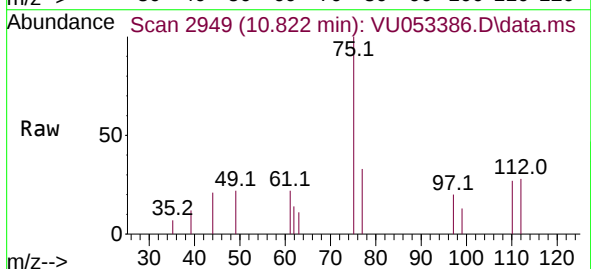
Tgt Ion: 75 Resp: 2228

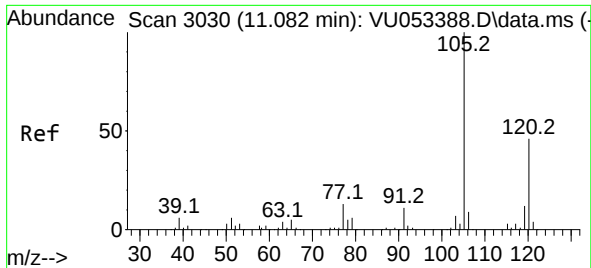
Ion Ratio Lower Upper

75 100

110 27.5 30.6 46.0#

77 36.2 26.1 39.1





#62

1,3,5-Trimethylbenzene

Concen: 0.330 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU053386.D

Acq: 24 Mar 2023 12:11

Instrument :

MSVOA_U

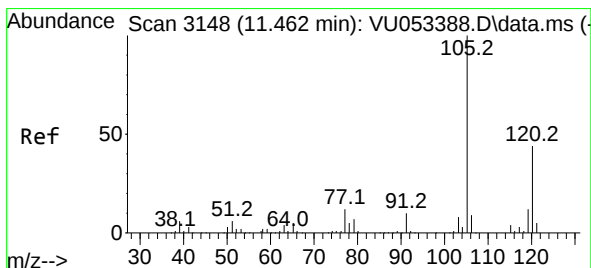
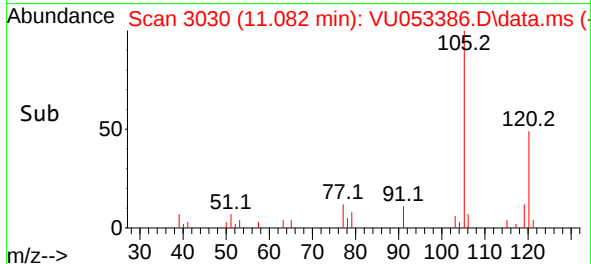
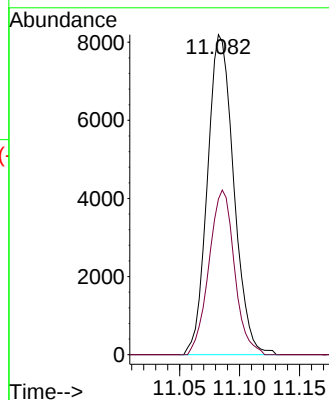
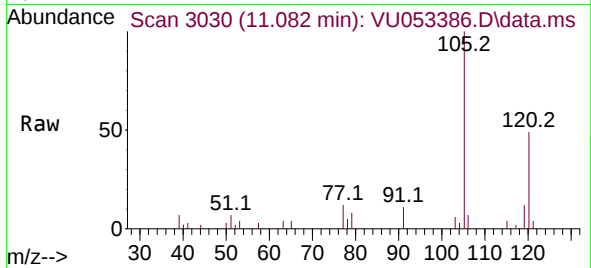
ClientSampleId :

Tgt Ion:105 Resp: 12500

Ion Ratio Lower Upper

105 100

120 49.8 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 0.348 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU053386.D

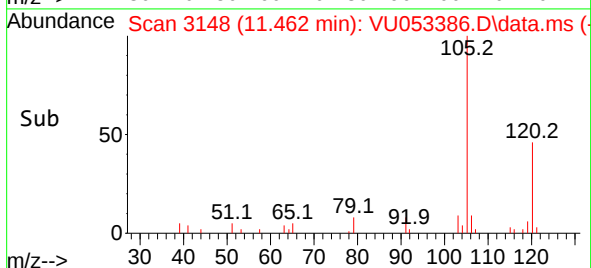
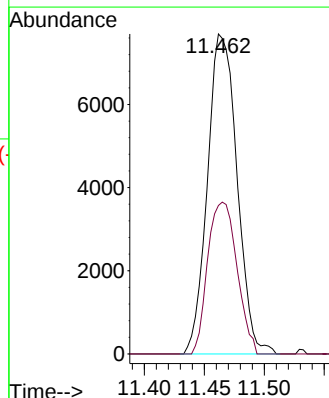
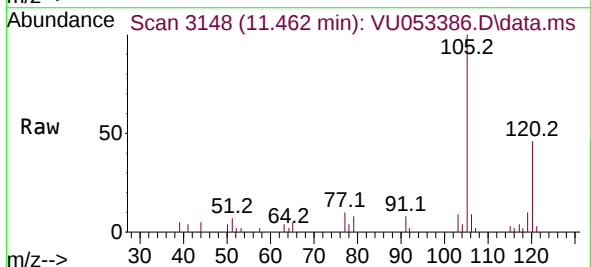
Acq: 24 Mar 2023 12:11

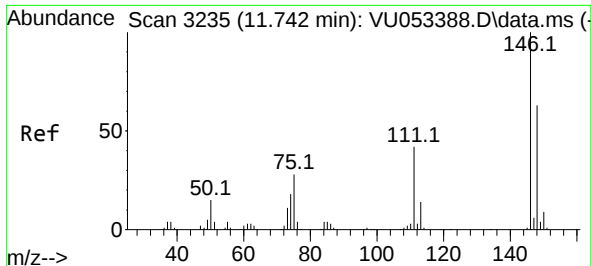
Tgt Ion:105 Resp: 13203

Ion Ratio Lower Upper

105 100

120 46.8 35.4 53.0

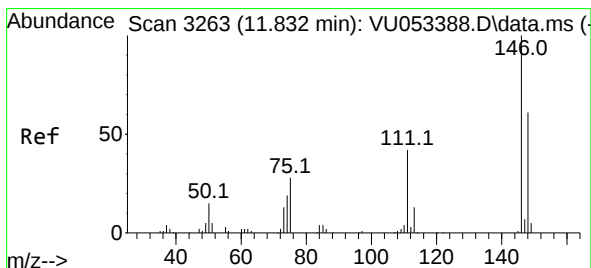
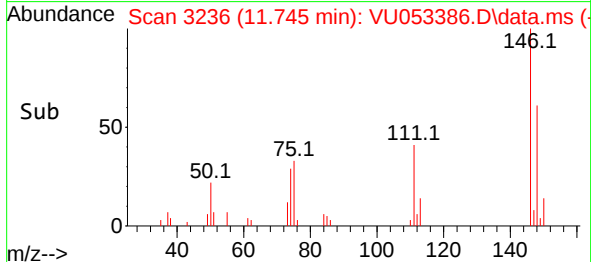
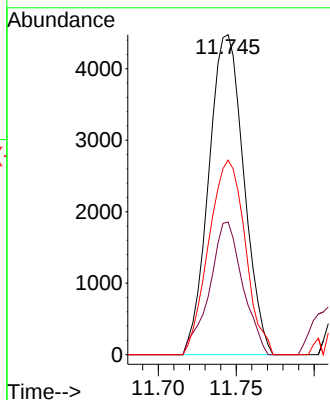
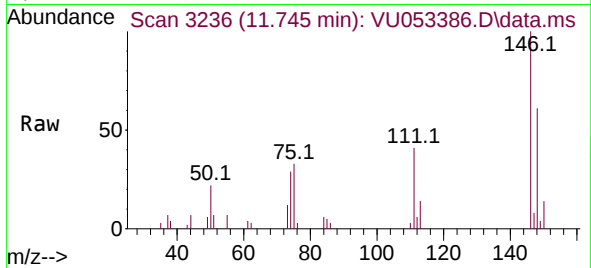




#64
1,3-Dichlorobenzene
Concen: 0.378 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

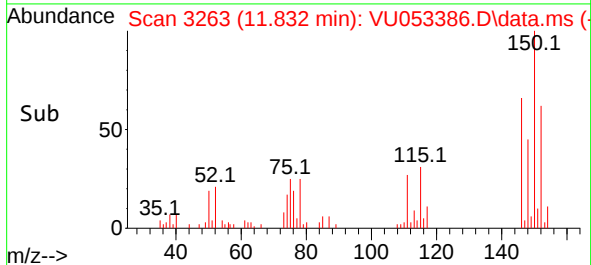
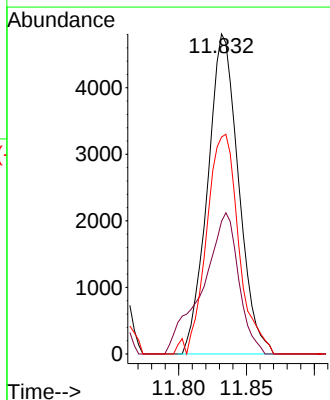
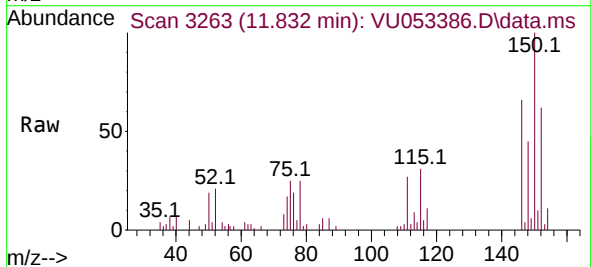
Instrument :
MSVOA_U
ClientSampleId :

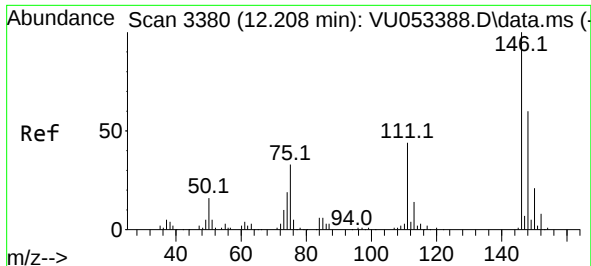
Tgt Ion:146 Resp: 7000
Ion Ratio Lower Upper
146 100
111 41.5 29.4 54.6
148 60.8 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 0.411 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

Tgt Ion:146 Resp: 7640
Ion Ratio Lower Upper
146 100
111 41.5 29.8 55.4
148 67.8 43.0 80.0





#67

1,2-Dichlorobenzene

Concen: 0.408 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU053386.D

Acq: 24 Mar 2023 12:11

Instrument :

MSVOA_U

ClientSampleId :

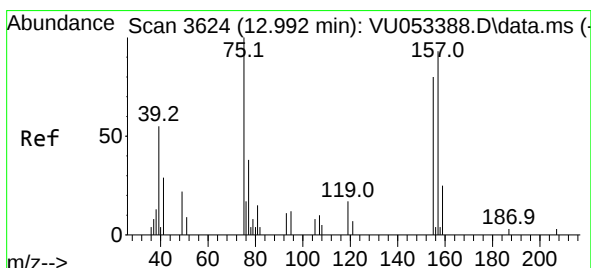
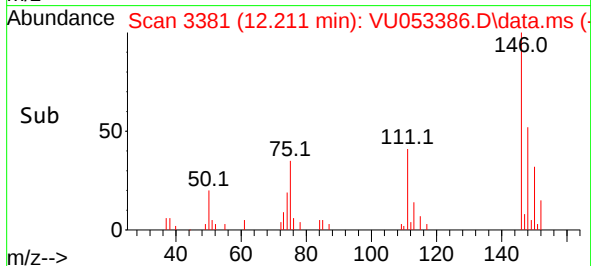
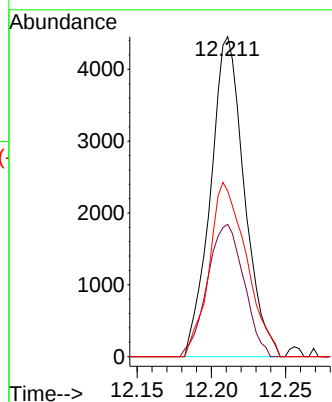
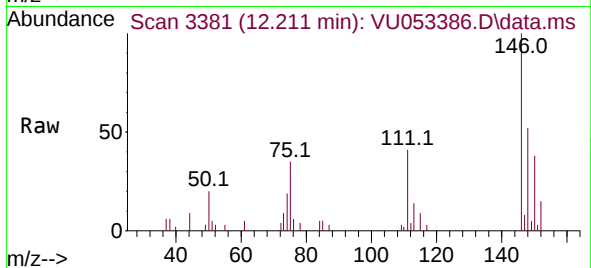
Tgt Ion:146 Resp: 7046

Ion Ratio Lower Upper

146 100

111 41.4 35.0 52.6

148 51.8 48.2 72.4



#68

1,2-Dibromo-3-chloropropane

Concen: 0.322 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. 0.003 min

Lab File: VU053386.D

Acq: 24 Mar 2023 12:11

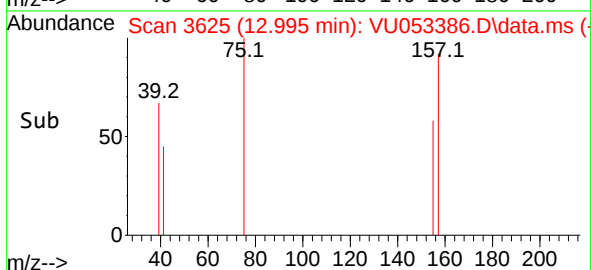
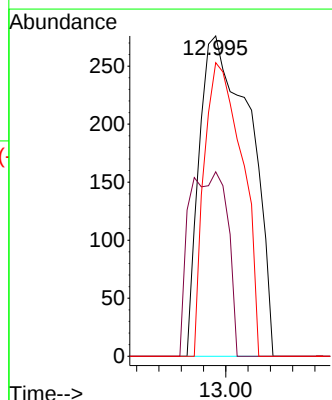
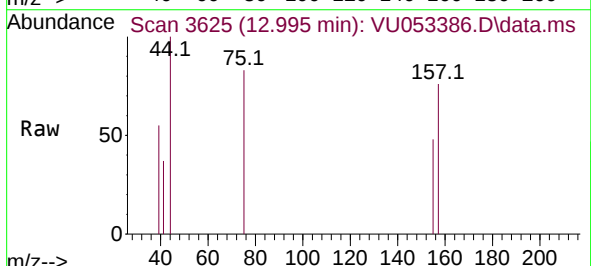
Tgt Ion: 75 Resp: 436

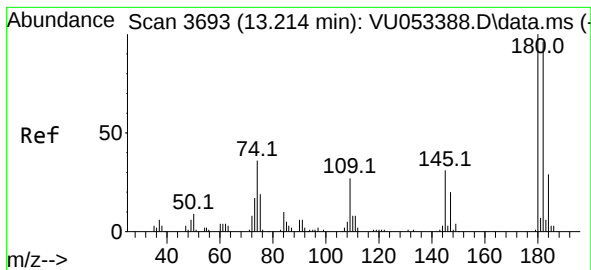
Ion Ratio Lower Upper

75 100

155 57.6 63.9 95.9#

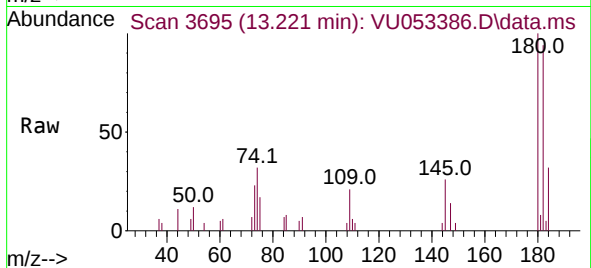
157 91.7 74.1 111.1



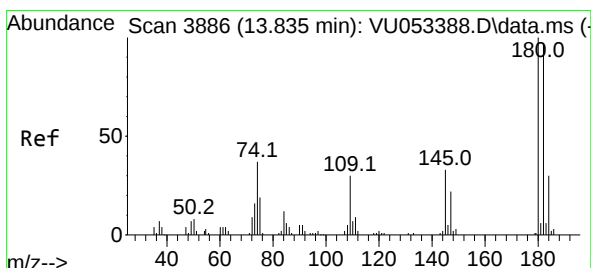
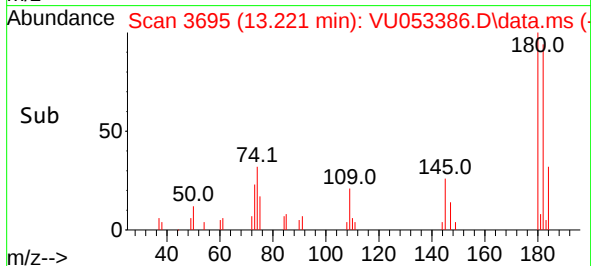
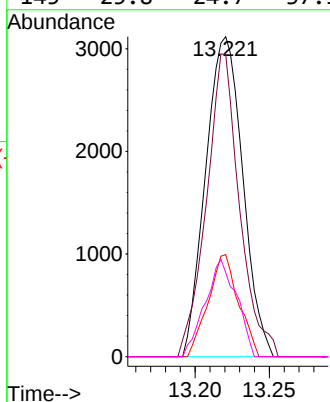


#69
 1,3,5-Trichlorobenzene
 Concen: 0.414 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.006 min
 Lab File: VU053386.D
 Acq: 24 Mar 2023 12:11

Instrument :
 MSVOA_U
 ClientSampleId :

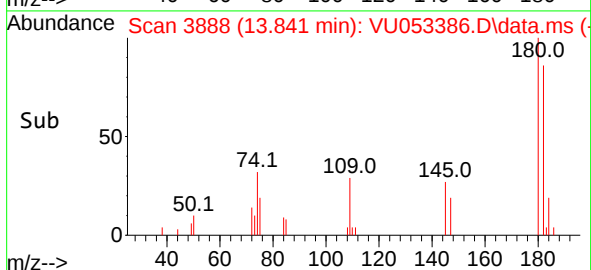
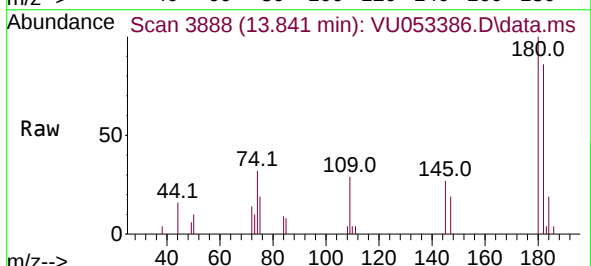
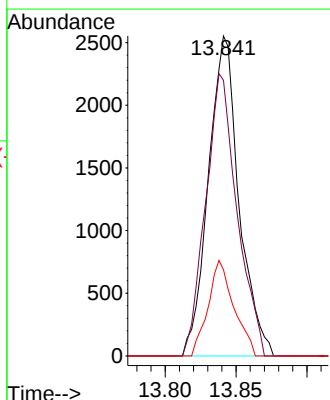


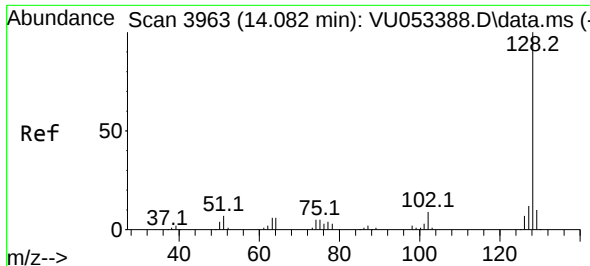
Tgt Ion:180 Resp: 5408
 Ion Ratio Lower Upper
 180 100
 182 84.5 76.7 115.1
 184 26.1 24.1 36.1
 145 25.8 24.7 37.1



#70
 1,2,4-trichlorobenzene
 Concen: 0.356 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.006 min
 Lab File: VU053386.D
 Acq: 24 Mar 2023 12:11

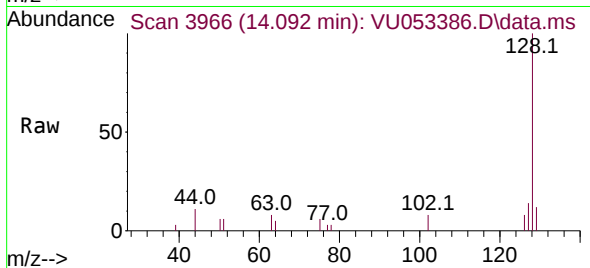
Tgt Ion:180 Resp: 3842
 Ion Ratio Lower Upper
 180 100
 182 90.1 75.4 113.2
 145 25.1 25.8 38.8#



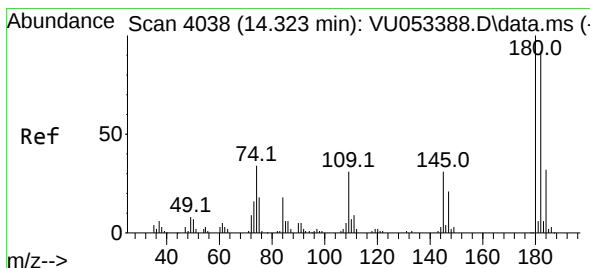
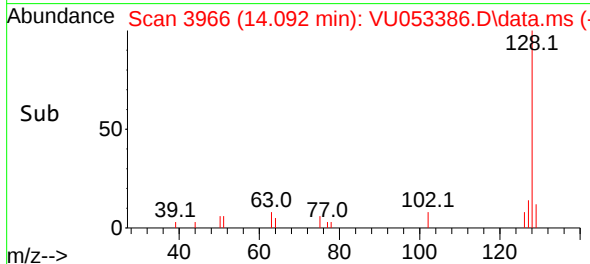
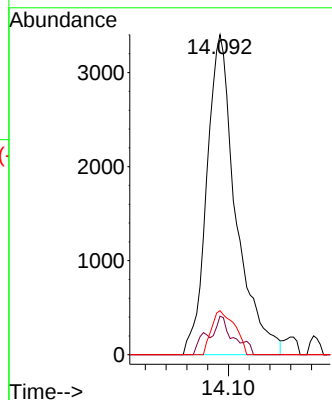


#71
Naphthalene
Concen: 0.309 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.010 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 6608
Ion Ratio Lower Upper
128 100
129 7.5 8.2 12.4#
127 11.0 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 0.340 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU053386.D
Acq: 24 Mar 2023 12:11

Tgt Ion:180 Resp: 3222
Ion Ratio Lower Upper
180 100
182 95.5 74.8 112.2
145 30.1 26.3 39.5

