

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U042923\
 Data File : VU053965.D
 Acq On : 28 Apr 2023 12:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 29 04:31:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 14 01:54:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	257388	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	236759	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	130860	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	80709	40.270	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.540%
7) Chloroethane-d5	1.909	69	85039	55.032	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.060%
11) 1,1-Dichloroethene-d2	2.565	63	127199	41.000	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.000%
21) 2-Butanone-d5	4.626	46	69845	76.972	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.970%
24) Chloroform-d	5.057	84	144469	43.586	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.180%
26) 1,2-Dichloroethane-d4	5.697	65	84175	42.978	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.960%
32) Benzene-d6	5.722	84	287411	44.973	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.940%
36) 1,2-Dichloropropane-d6	6.687	67	88378	45.244	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.480%
41) Toluene-d8	7.893	98	276763	43.572	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.140%
43) trans-1,3-Dichloroprop...	8.176	79	45092	44.720	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.440%
47) 2-Hexanone-d5	8.632	63	59387	89.081	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.080%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	130268	47.316	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.640%
66) 1,2-Dichlorobenzene-d4	12.188	152	115288	42.207	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	80715	38.637	ug/L	99
3) Chloromethane	1.520	50	71461	41.629	ug/L	97
5) Vinyl chloride	1.604	62	84601	42.525	ug/L	98
6) Bromomethane	1.858	94	71414	49.335	ug/L	98
8) Chloroethane	1.928	64	70509	58.928	ug/L	96
9) Trichlorofluoromethane	2.131	101	148348	48.481	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	85412	48.197	ug/L	95
12) 1,1-Dichloroethene	2.575	96	68859	43.600	ug/L	95
13) Acetone	2.636	43	75097	92.089	ug/L	93
14) Carbon disulfide	2.790	76	142417	34.089	ug/L	96
15) Methyl Acetate	2.948	43	54579	43.695	ug/L #	89
16) Methylene chloride	3.041	84	80572	45.388	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	70305	44.294	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	224769	48.583	ug/L	98
19) 1,1-Dichloroethane	3.864	63	130249	49.538	ug/L	98
20) cis-1,2-Dichloroethene	4.661	96	87098	47.508	ug/L	96
22) 2-Butanone	4.706	43	83831	84.853	ug/L	88
23) Bromochloromethane	4.970	128	46213	45.253	ug/L	97
25) Chloroform	5.083	83	152020	50.410	ug/L	99

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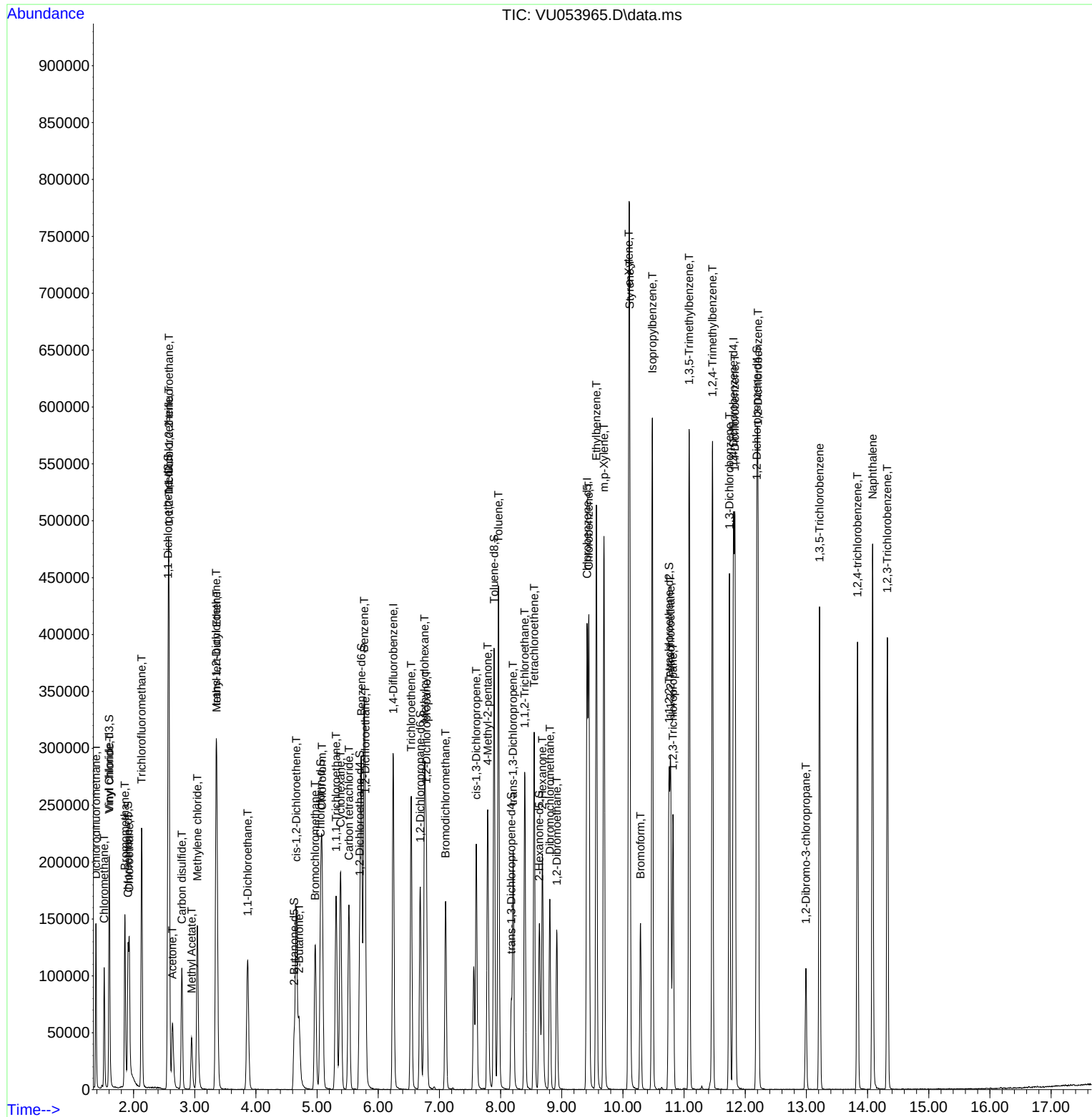
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	103624	46.920	ug/L	100
29) Cyclohexane	5.385	56	95627	41.955	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	127604	48.913	ug/L	100
31) Carbon tetrachloride	5.520	117	111239	47.592	ug/L	100
33) Benzene	5.771	78	305551	49.533	ug/L	100
34) Trichloroethene	6.539	95	87026	46.645	ug/L	97
35) Methylcyclohexane	6.758	83	120268	43.854	ug/L	98
37) 1,2-Dichloropropane	6.787	63	81258	51.879	ug/L	100
38) Bromodichloromethane	7.099	83	107410	51.404	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	128769	50.309	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	155054	91.096	ug/L	95
42) Toluene	7.967	91	339565	48.575	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	123236	50.931	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	89497	52.042	ug/L	98
46) Tetrachloroethene	8.549	164	68506	44.248	ug/L	97
48) 2-Hexanone	8.684	43	130270	94.614	ug/L	97
49) Dibromochloromethane	8.806	129	88373	49.422	ug/L	98
50) 1,2-Dibromoethane	8.918	107	93948	48.830	ug/L	97
51) Chlorobenzene	9.443	112	229417	47.631	ug/L	98
52) Ethylbenzene	9.565	91	378753	48.671	ug/L	99
53) m,p-Xylene	9.690	106	147158	48.352	ug/L	97
54) o-Xylene	10.095	106	143341	47.636	ug/L	94
55) Styrene	10.111	104	250415	51.093	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	141775	56.151	ug/L	96
59) Bromoform	10.288	173	65461	48.872	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	102384	53.959	ug/L	98
61) Isopropylbenzene	10.481	105	388595	50.227	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	321486	49.986	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	320508	50.315	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	191951	47.481	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	196631	47.723	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	195383	48.492	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	25777	50.960	ug/L	91
69) 1,3,5-Trichlorobenzene	13.214	180	138294	46.195	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	125569	45.241	ug/L	99
71) Naphthalene	14.082	128	393933	47.418	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	126597	45.665	ug/L	99

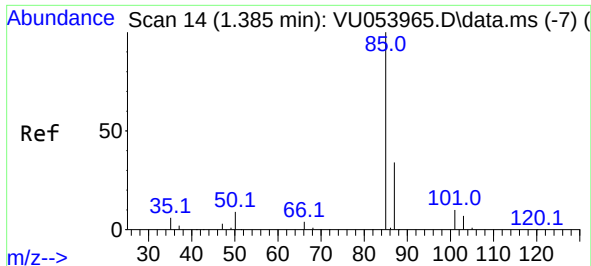
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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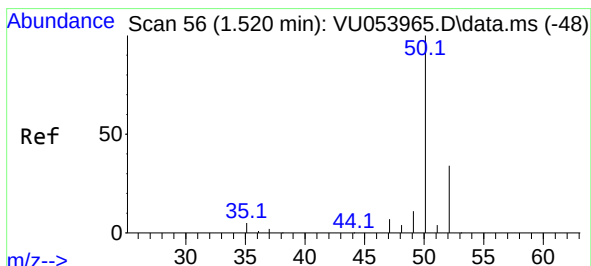
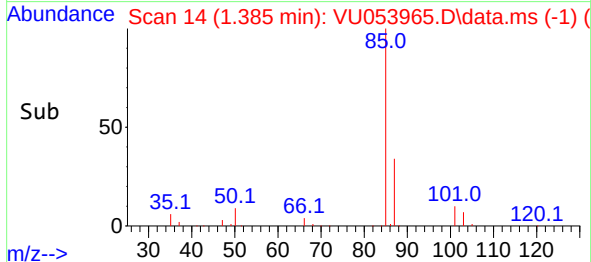
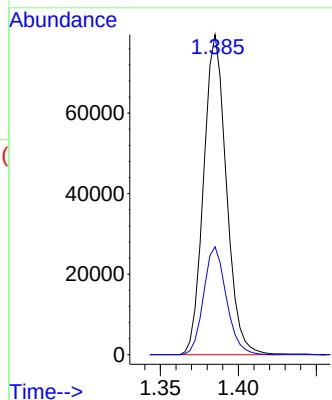
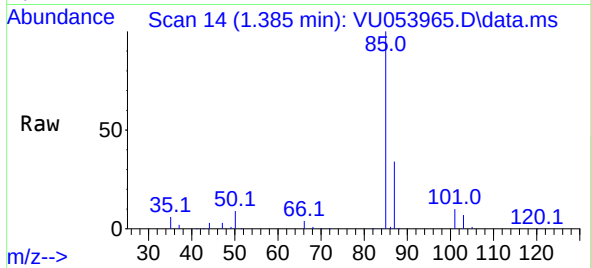




#2
Dichlorodifluoromethane
Concen: 38.637 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

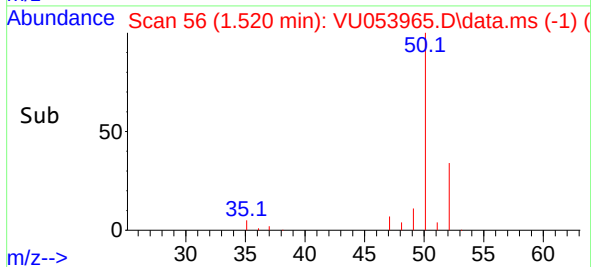
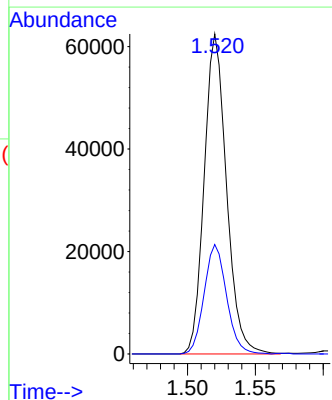
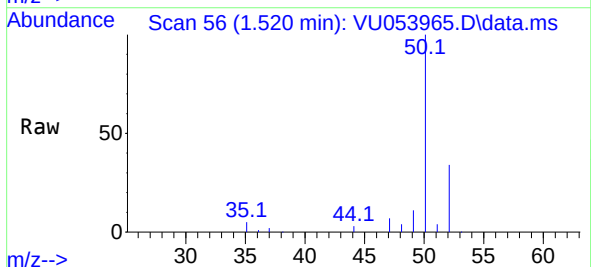
Instrument :
MSVOA_U
ClientSampleId :

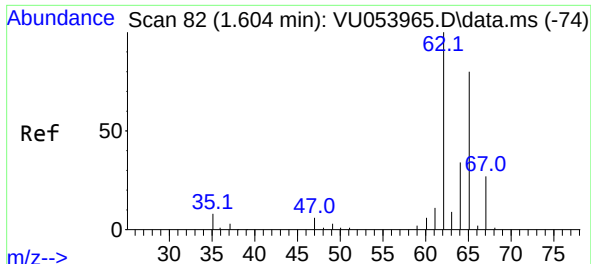
Tgt Ion: 85 Resp: 80715
Ion Ratio Lower Upper
85 100
87 33.7 26.4 39.6



#3
Chloromethane
Concen: 41.629 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Tgt Ion: 50 Resp: 71461
Ion Ratio Lower Upper
50 100
52 34.2 22.7 42.1

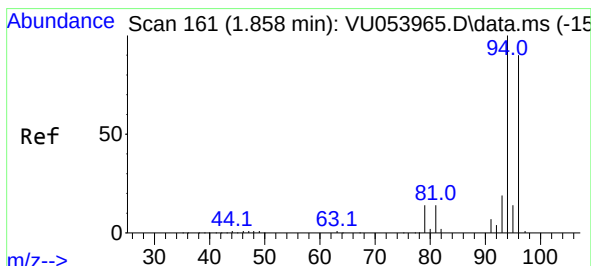
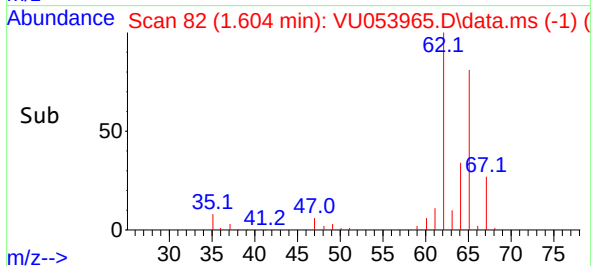
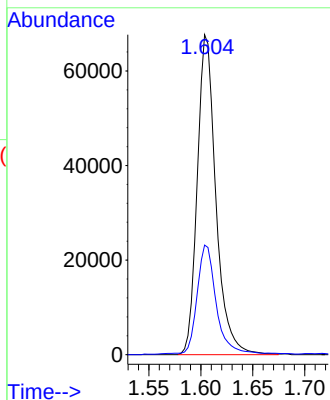
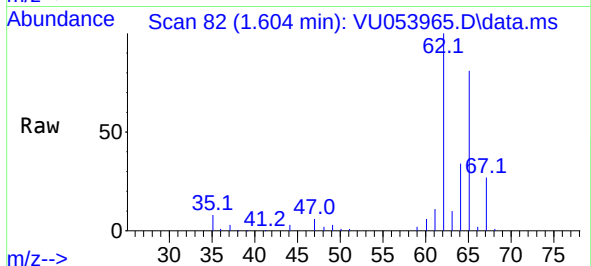




#5
Vinyl chloride
Concen: 42.525 ug/L
RT: 1.604 min Scan# 82
Delta R.T. 0.003 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

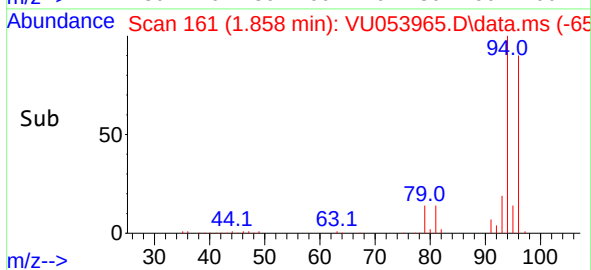
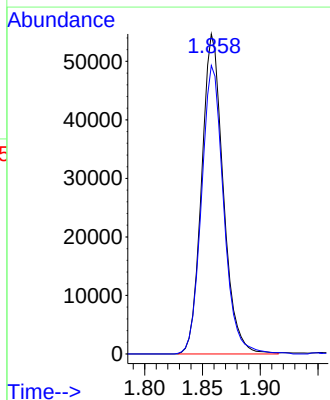
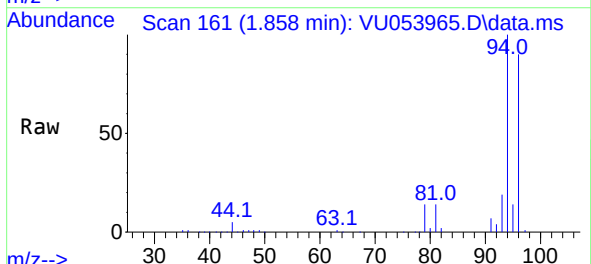
Instrument :
MSVOA_U
ClientSampleId :

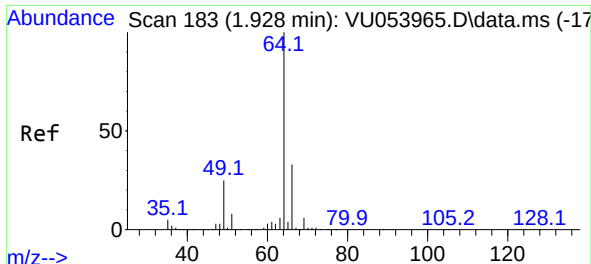
Tgt Ion: 62 Resp: 84601
Ion Ratio Lower Upper
62 100
64 34.2 23.2 43.0



#6
Bromomethane
Concen: 49.335 ug/L
RT: 1.858 min Scan# 161
Delta R.T. 0.009 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Tgt Ion: 94 Resp: 71414
Ion Ratio Lower Upper
94 100
96 90.2 64.4 119.6

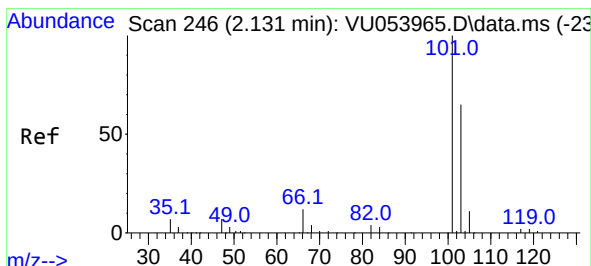
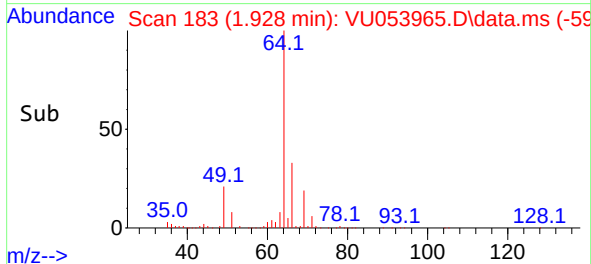
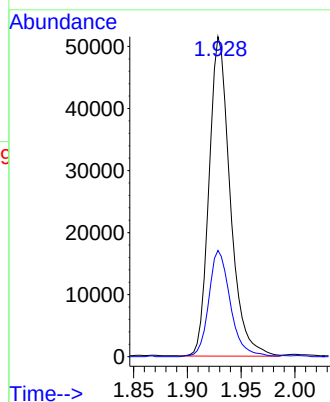
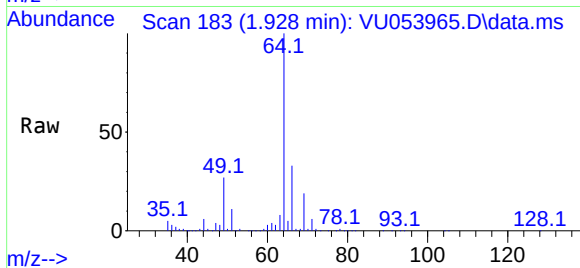




#8
Chloroethane
Concen: 58.928 ug/L
RT: 1.928 min Scan# 183
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

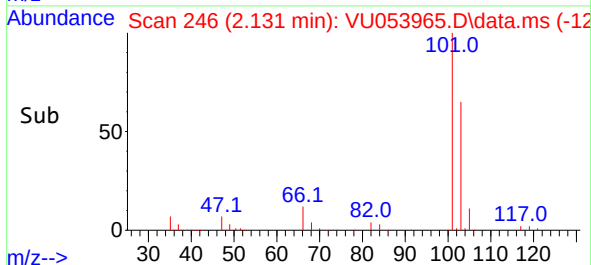
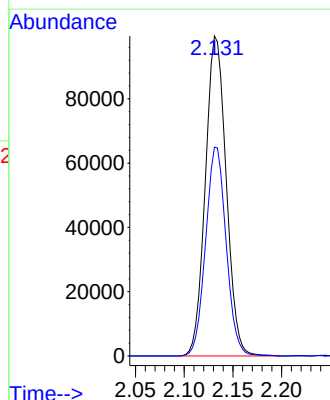
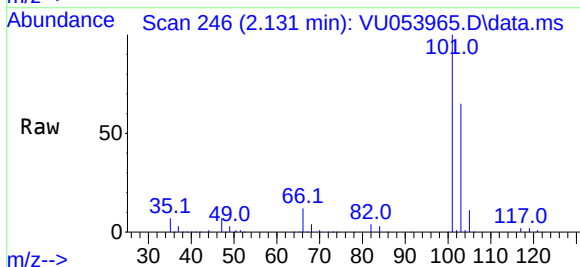
Instrument :
MSVOA_U
ClientSampleId :

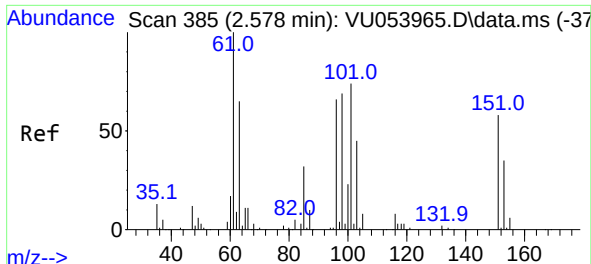
Tgt Ion: 64 Resp: 70509
Ion Ratio Lower Upper
64 100
66 33.2 21.8 40.6



#9
Trichlorofluoromethane
Concen: 48.481 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.004 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Tgt Ion:101 Resp: 148348
Ion Ratio Lower Upper
101 100
103 64.2 52.5 78.7

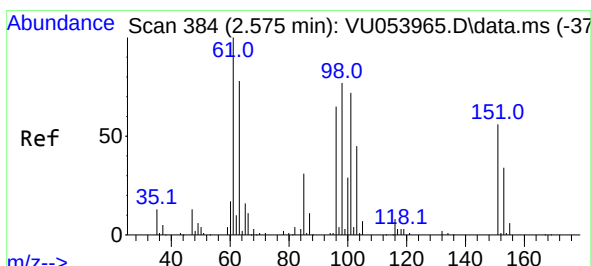
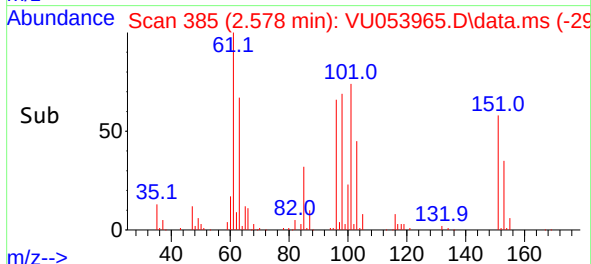
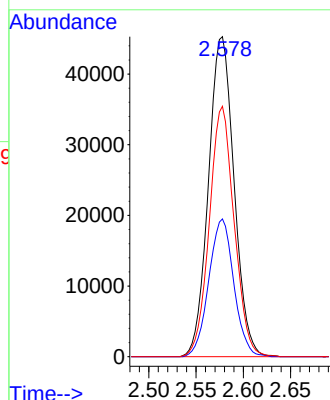
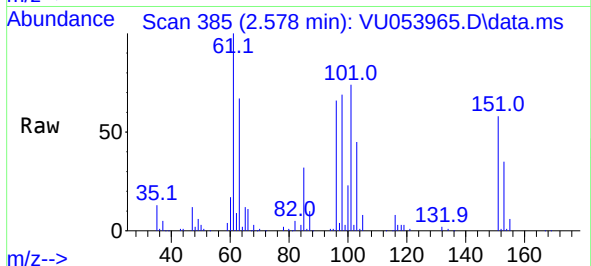




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 48.197 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

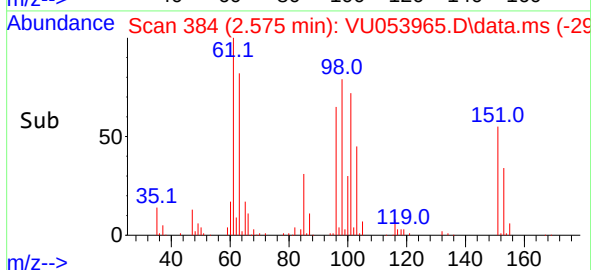
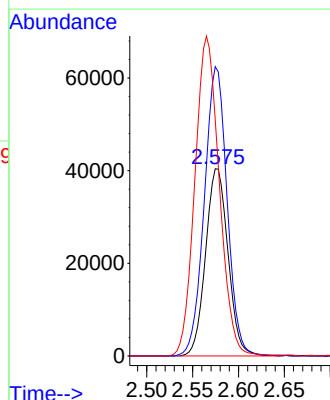
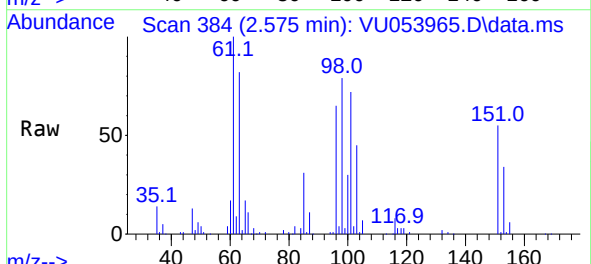
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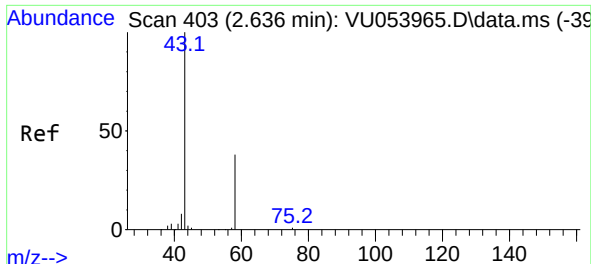
Tgt Ion:101 Resp: 85412
Ion Ratio Lower Upper
101 100
85 42.0 32.6 48.8
151 75.8 65.8 98.6



#12
1,1-Dichloroethene
Concen: 43.600 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Tgt Ion: 96 Resp: 68859
Ion Ratio Lower Upper
96 100
61 154.5 107.9 200.5
63 126.1 79.1 146.9





#13

Acetone

Concen: 92.089 ug/L

RT: 2.636 min Scan# 403

Delta R.T. 0.019 min

Lab File: VU053965.D

Acq: 28 Apr 2023 12:04

Instrument :

MSVOA_U

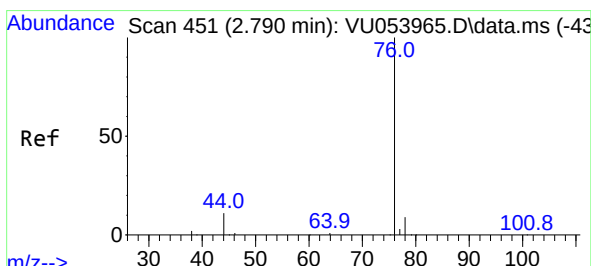
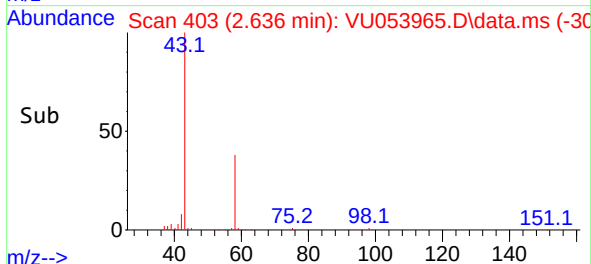
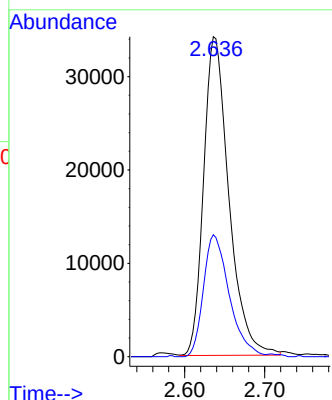
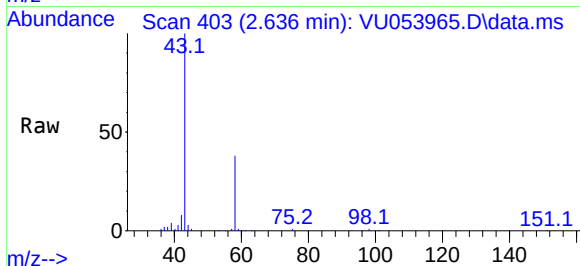
ClientSampleId :

Tgt Ion: 43 Resp: 75097

Ion Ratio Lower Upper

43 100

58 39.1 0.0 70.2



#14

Carbon disulfide

Concen: 34.089 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU053965.D

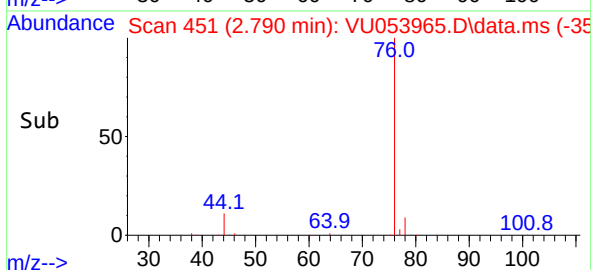
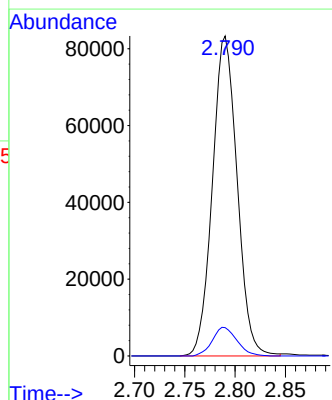
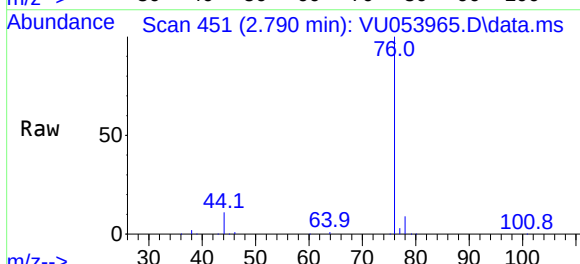
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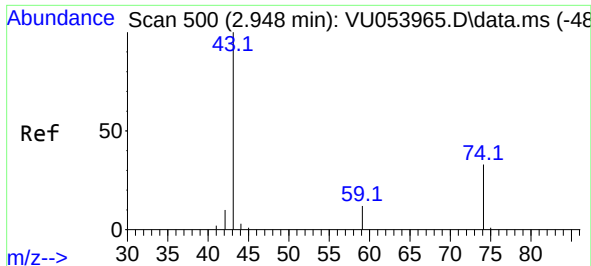
Tgt Ion: 76 Resp: 142417

Ion Ratio Lower Upper

76 100

78 8.8 8.2 12.2

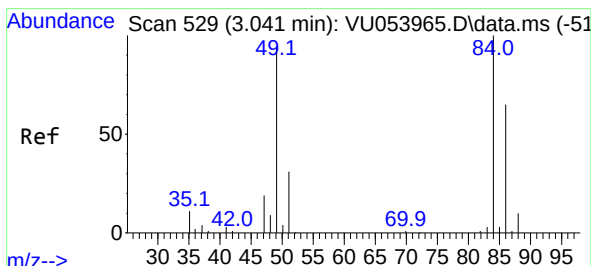
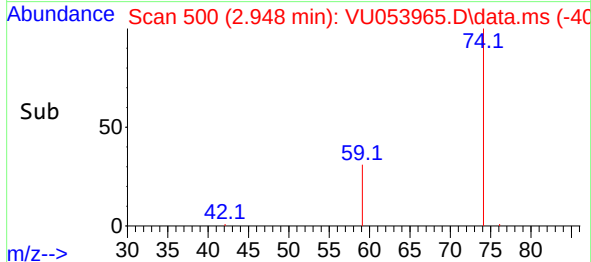
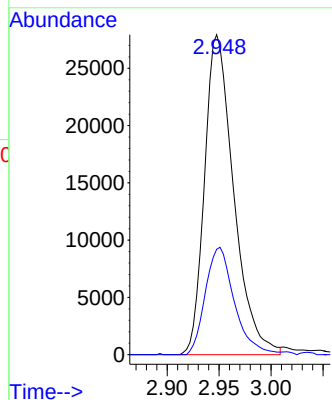
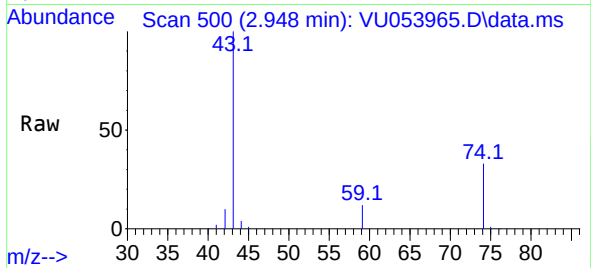




#15
Methyl Acetate
Concen: 43.695 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.006 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

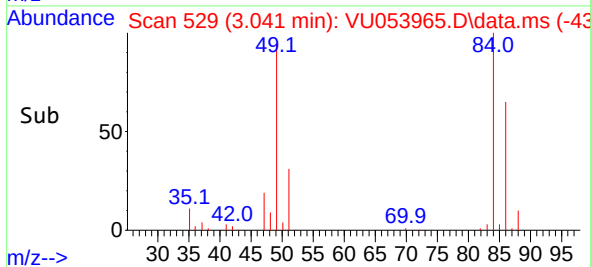
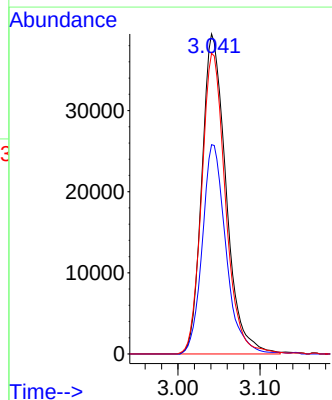
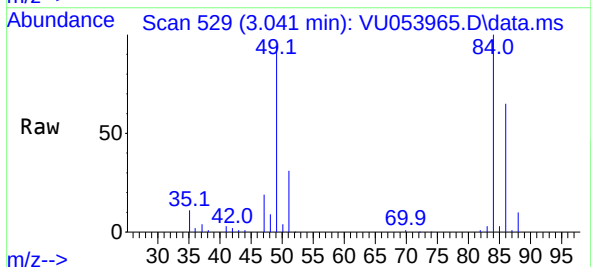
Instrument :
MSVOA_U
ClientSampleId :

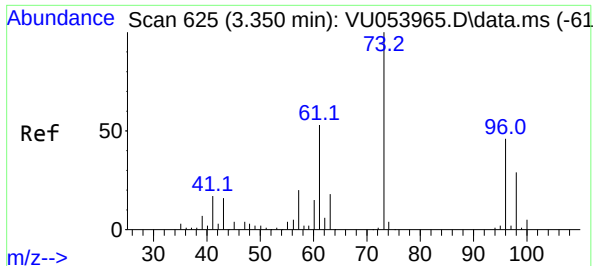
Tgt Ion: 43 Resp: 54579
Ion Ratio Lower Upper
43 100
74 33.3 22.0 33.0#



#16
Methylene chloride
Concen: 45.388 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

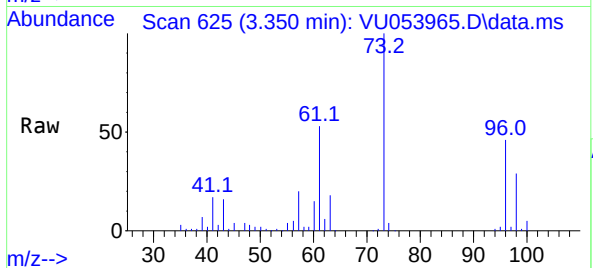
Tgt Ion: 84 Resp: 80572
Ion Ratio Lower Upper
84 100
86 65.4 43.5 80.9
49 94.0 69.7 129.5



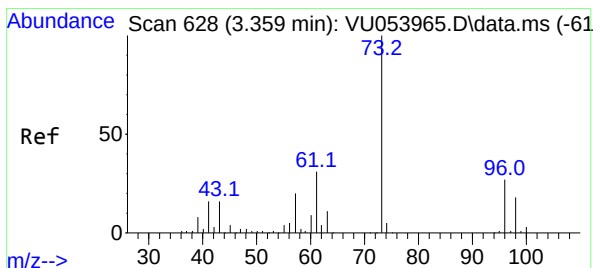
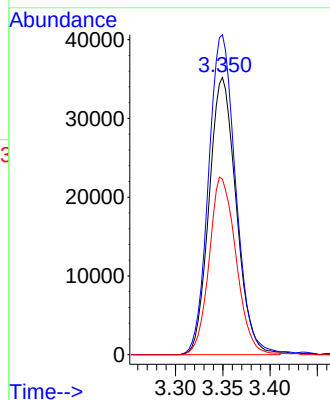
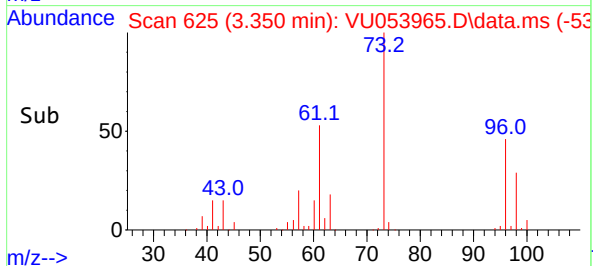


#17
trans-1,2-Dichloroethene
Concen: 44.294 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Instrument :
MSVOA_U
ClientSampleId :

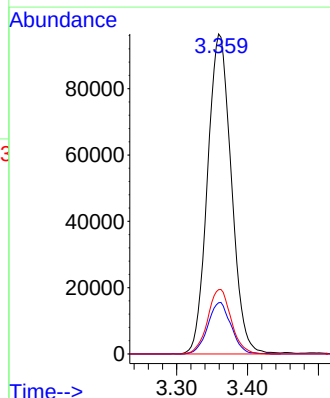
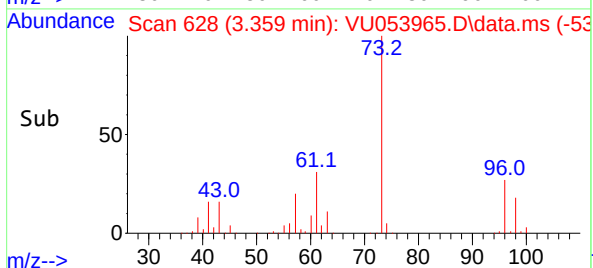
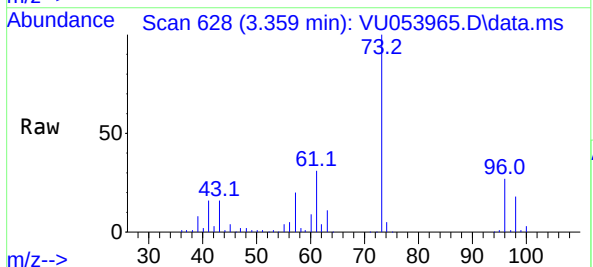


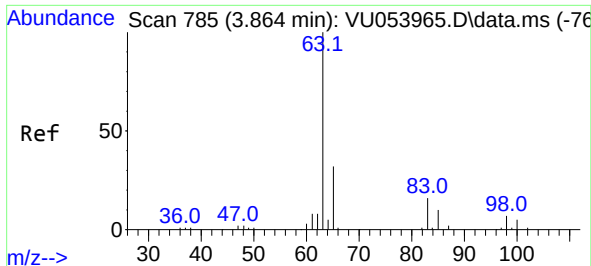
Tgt Ion: 96 Resp: 70305
Ion Ratio Lower Upper
96 100
61 115.4 84.4 156.8
98 63.3 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 48.583 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Tgt Ion: 73 Resp: 224769
Ion Ratio Lower Upper
73 100
43 15.8 13.8 20.8
57 20.0 15.9 23.9

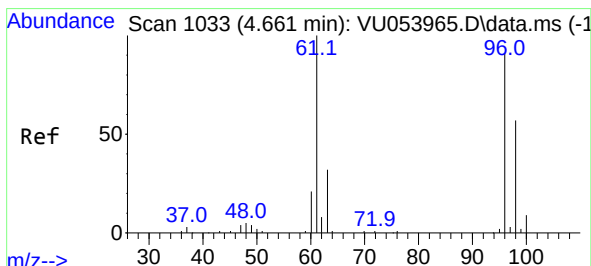
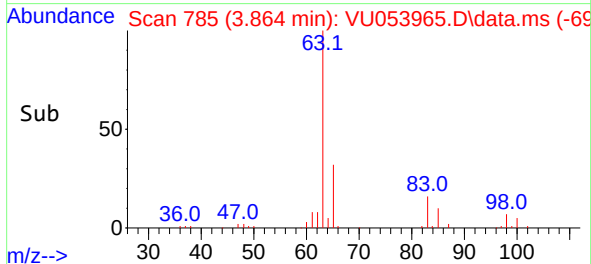
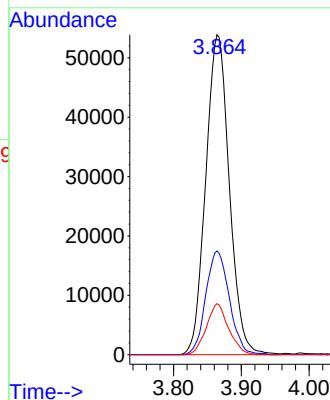
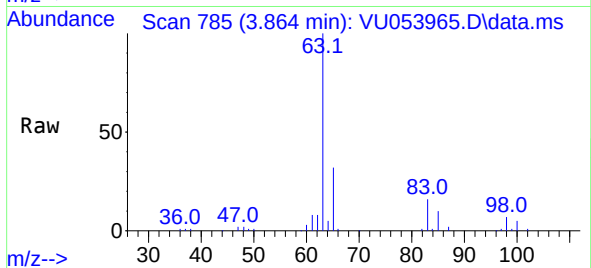




#19
1,1-Dichloroethane
Concen: 49.538 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

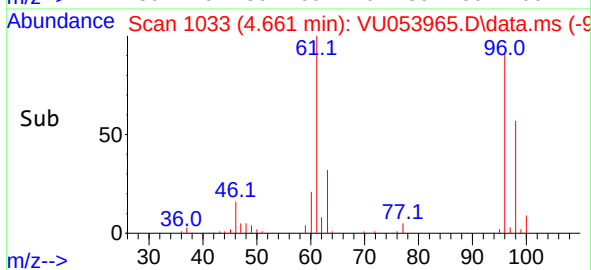
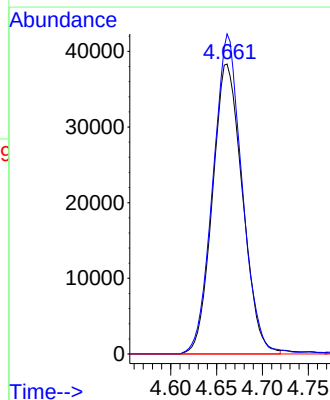
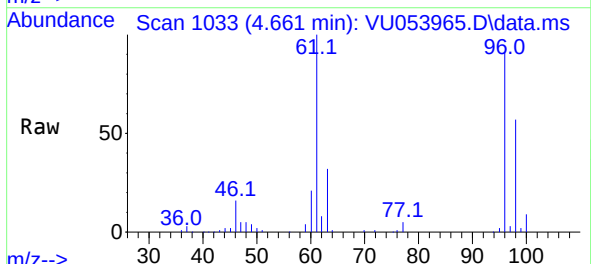
Instrument :
MSVOA_U
ClientSampleId :

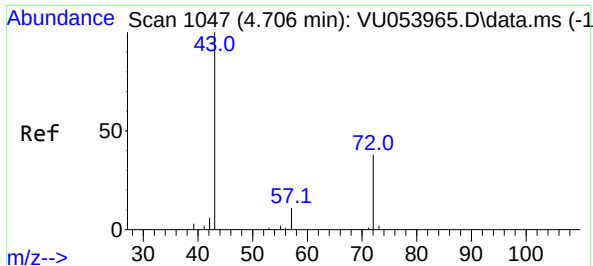
Tgt Ion: 63 Resp: 130249
Ion Ratio Lower Upper
63 100
65 32.4 22.0 41.0
83 15.9 10.8 20.0



#20
cis-1,2-Dichloroethene
Concen: 47.508 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Tgt Ion: 96 Resp: 87098
Ion Ratio Lower Upper
96 100
61 110.4 74.7 138.7
68 0.0 0.0 0.0

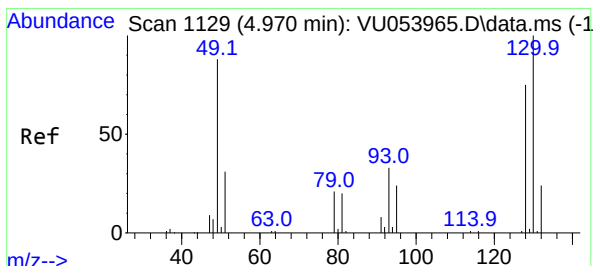
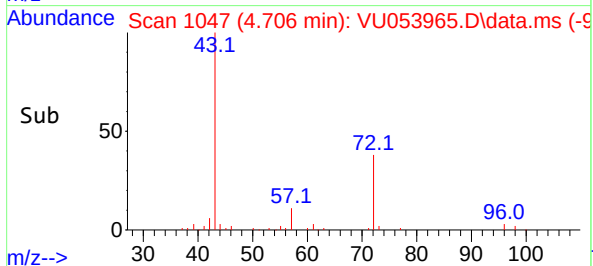
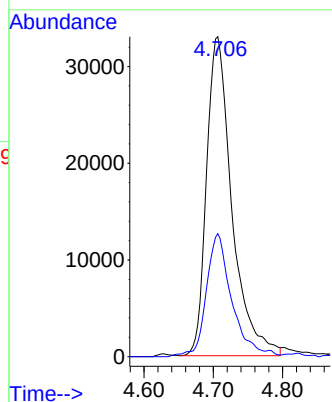
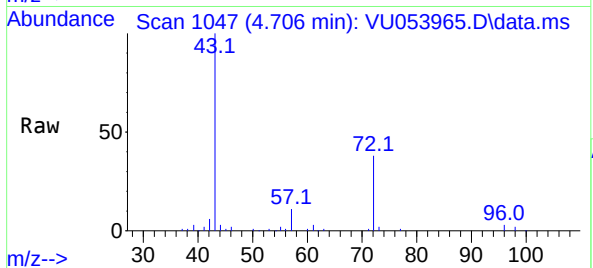




#22
2-Butanone
Concen: 84.853 ug/L
RT: 4.706 min Scan# 1047
Delta R.T. 0.016 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

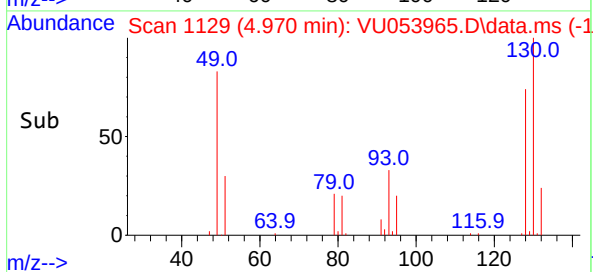
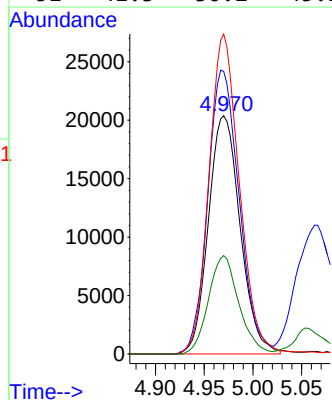
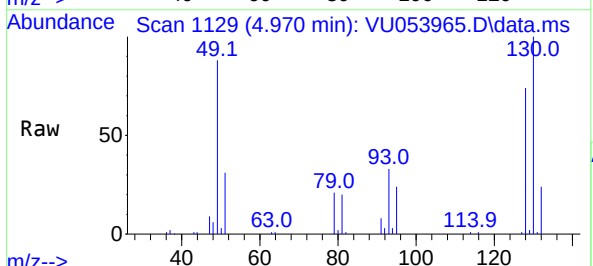
Instrument :
MSVOA_U
ClientSampleId :

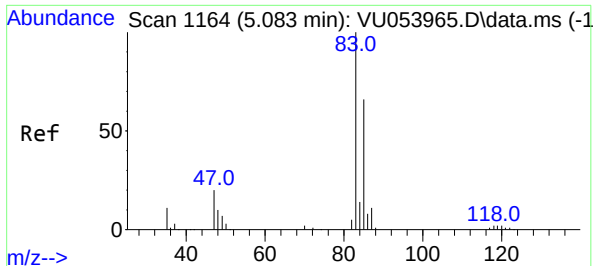
Tgt Ion: 43 Resp: 83831
Ion Ratio Lower Upper
43 100
72 38.0 15.8 47.3



#23
Bromochloromethane
Concen: 45.253 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.003 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Tgt Ion:128 Resp: 46213
Ion Ratio Lower Upper
128 100
49 118.6 81.5 151.3
130 134.3 91.8 170.4
51 41.3 30.2 45.2





#25

Chloroform

Concen: 50.410 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053965.D

Acq: 28 Apr 2023 12:04

Instrument :

MSVOA_U

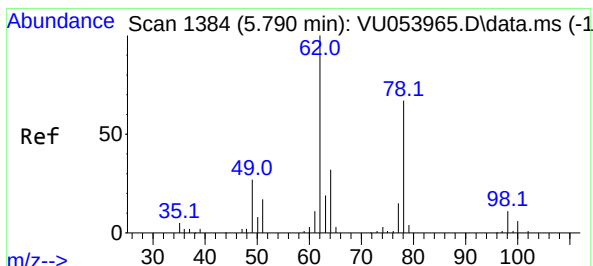
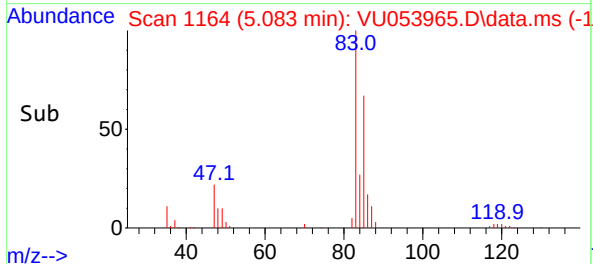
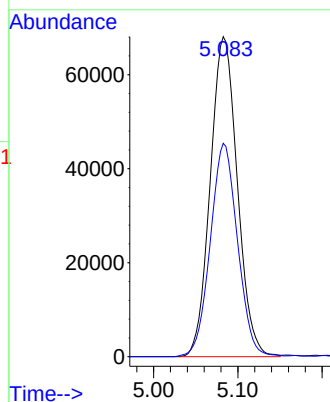
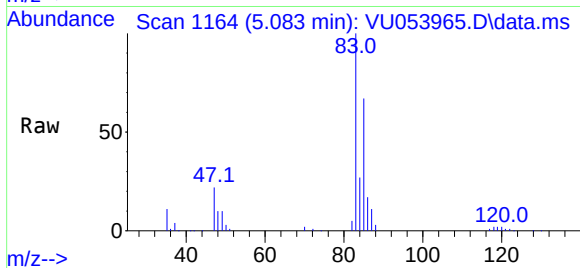
ClientSampleId :

Tgt Ion: 83 Resp: 152020

Ion Ratio Lower Upper

83 100

85 66.7 46.1 85.5



#27

1,2-Dichloroethane

Concen: 46.920 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VU053965.D

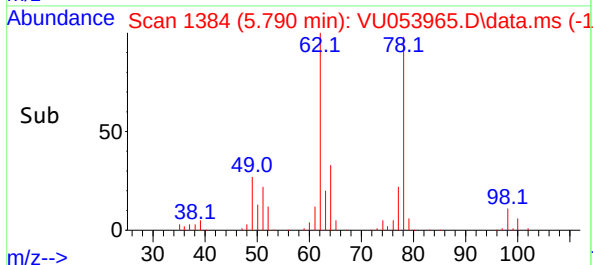
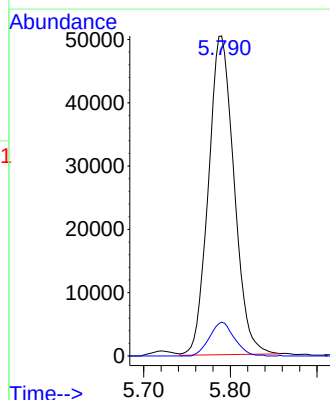
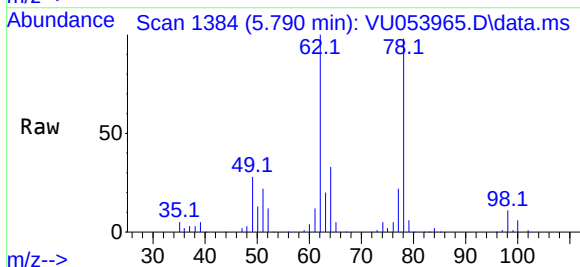
Acq: 28 Apr 2023 12:04

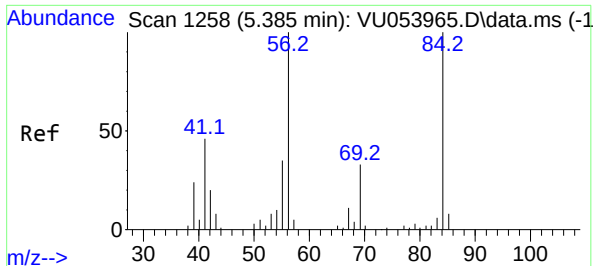
Tgt Ion: 62 Resp: 103624

Ion Ratio Lower Upper

62 100

98 10.5 8.3 12.5





#29

Cyclohexane

Concen: 41.955 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.003 min

Lab File: VU053965.D

Acq: 28 Apr 2023 12:04

Instrument :

MSVOA_U

ClientSampleId :

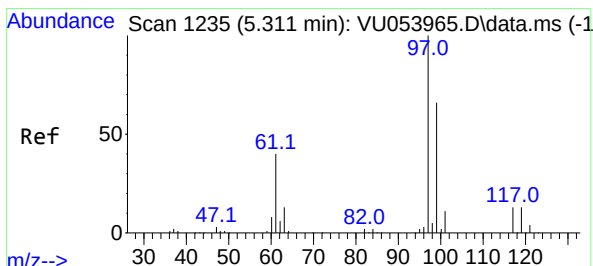
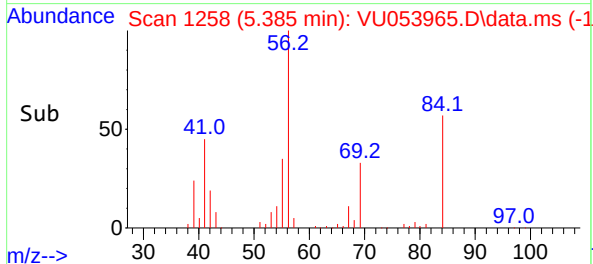
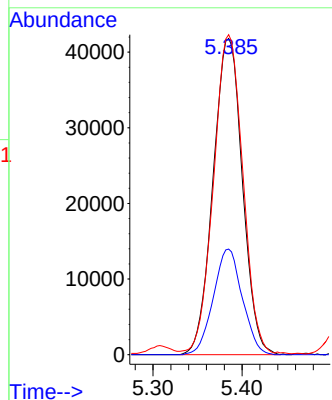
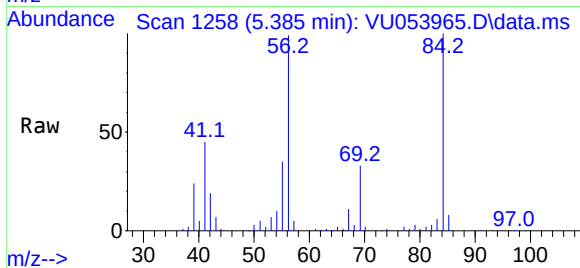
Tgt Ion: 56 Resp: 95627

Ion Ratio Lower Upper

56 100

69 33.0 27.3 40.9

84 101.3 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 48.913 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU053965.D

Acq: 28 Apr 2023 12:04

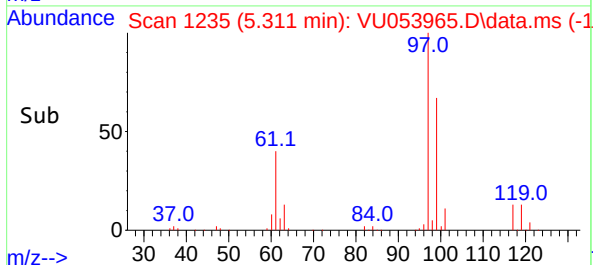
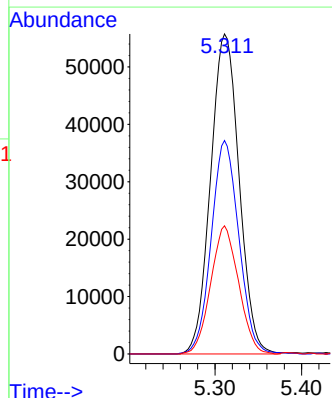
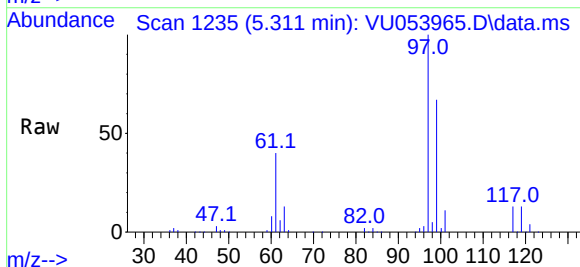
Tgt Ion: 97 Resp: 127604

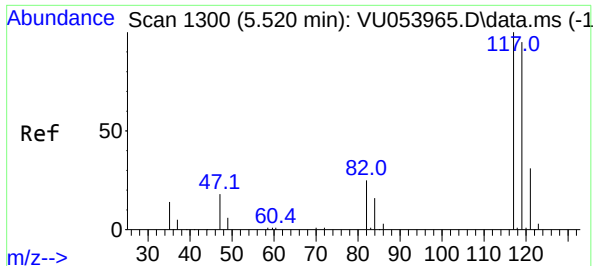
Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

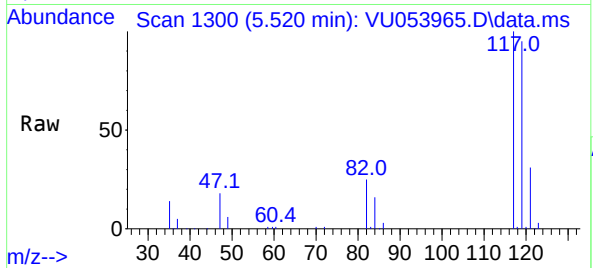
61 39.2 31.0 46.4



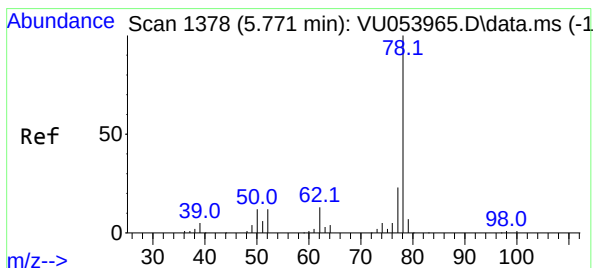
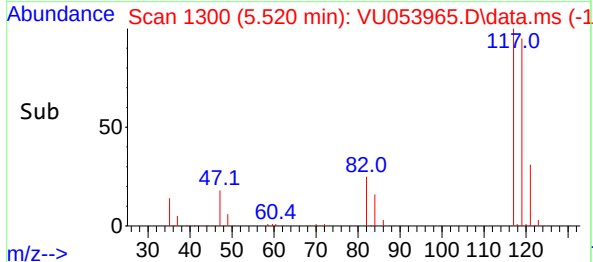
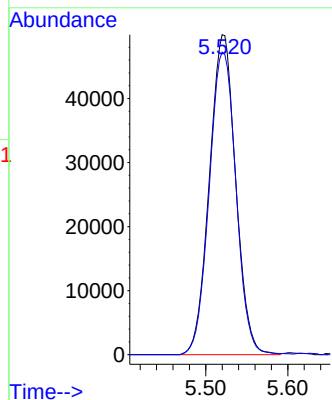


#31
Carbon tetrachloride
Concen: 47.592 ug/L
RT: 5.520 min Scan# 111239
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Instrument :
MSVOA_U
ClientSampleId :

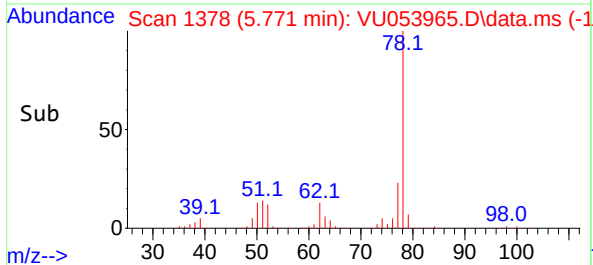
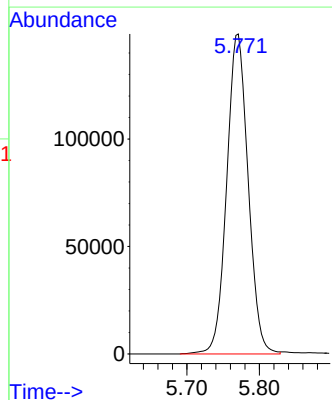
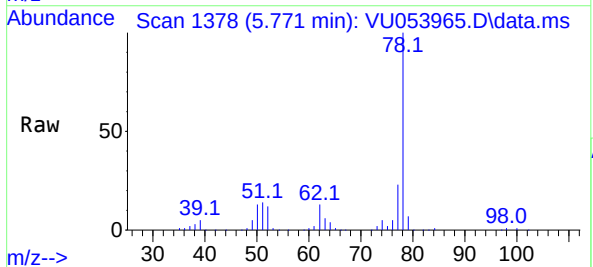


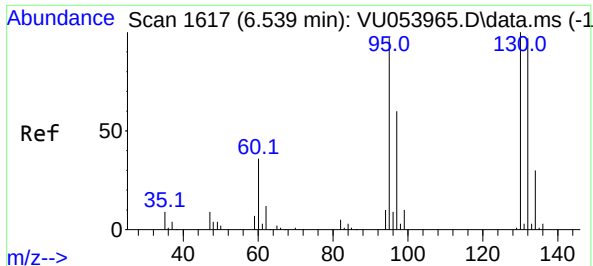
Tgt Ion:117 Resp: 111239
Ion Ratio Lower Upper
117 100
119 96.1 76.9 115.3



#33
Benzene
Concen: 49.533 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

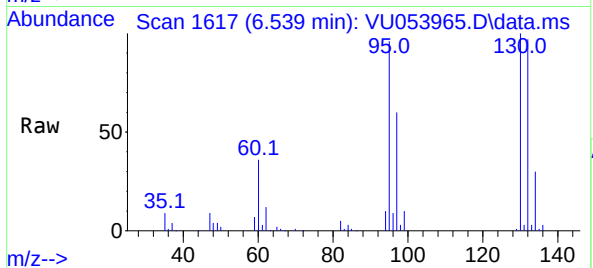
Tgt Ion: 78 Resp: 305551



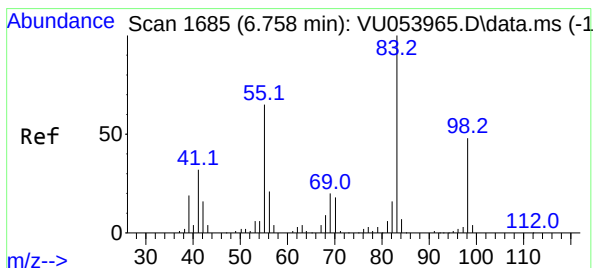
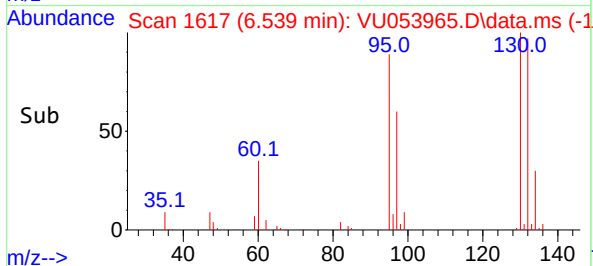
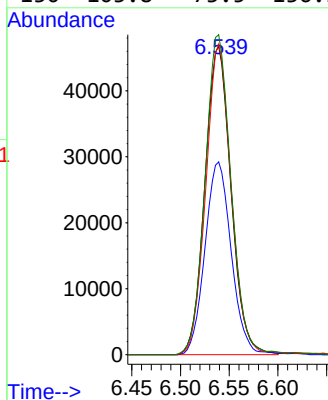


#34
Trichloroethene
Concen: 46.645 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Instrument :
MSVOA_U
ClientSampleId :

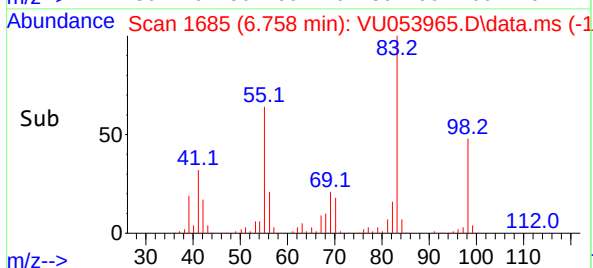
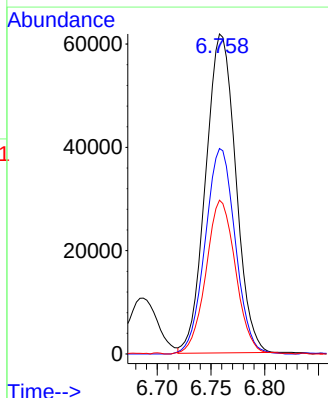
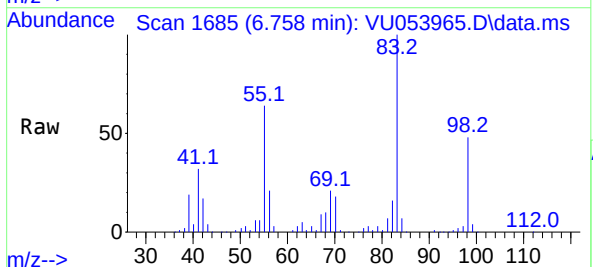


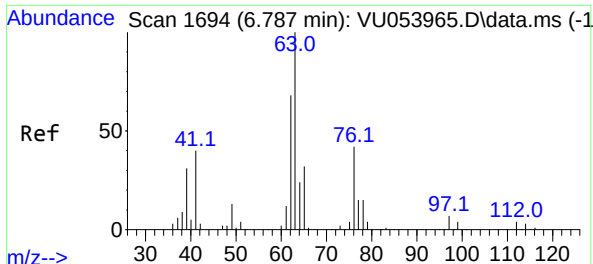
Tgt Ion: 95 Resp: 87026
Ion Ratio Lower Upper
95 100
97 62.5 45.1 83.7
132 100.7 74.1 137.5
130 103.8 73.5 136.5



#35
Methylcyclohexane
Concen: 43.854 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Tgt Ion: 83 Resp: 120268
Ion Ratio Lower Upper
83 100
55 64.5 53.0 79.6
98 47.5 39.0 58.6

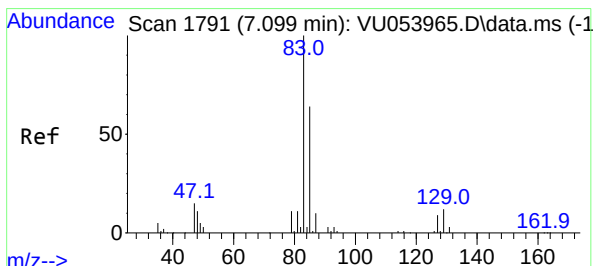
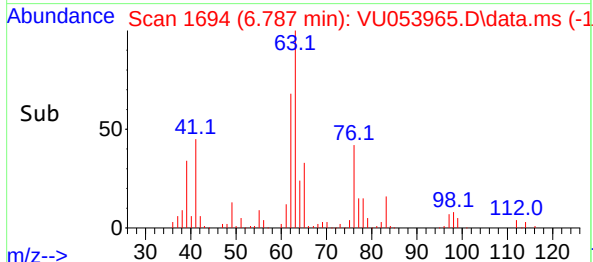
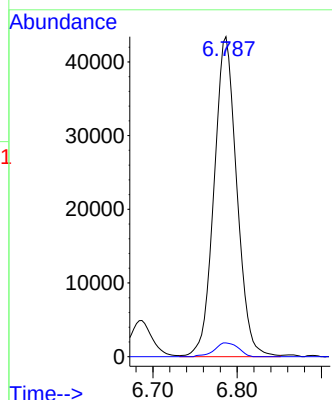
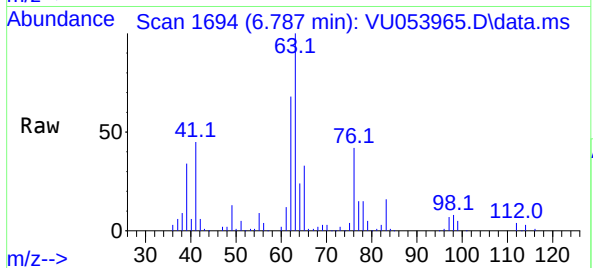




#37
1,2-Dichloropropane
Concen: 51.879 ug/L
RT: 6.787 min Scan# 1694
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

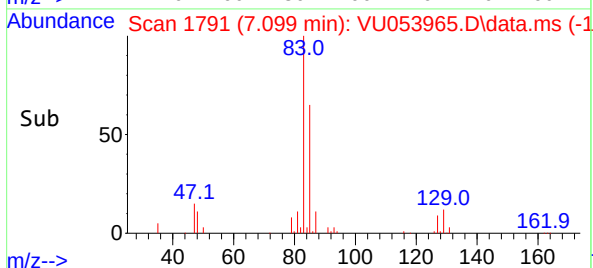
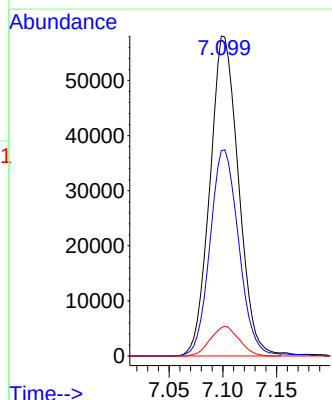
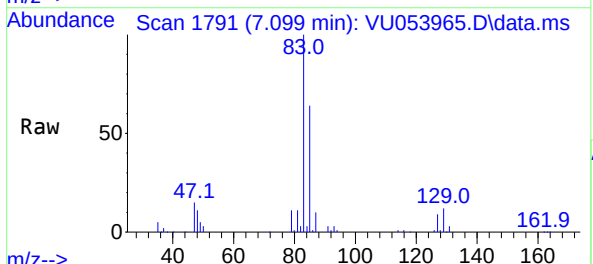
Instrument :
MSVOA_U
ClientSampleId :

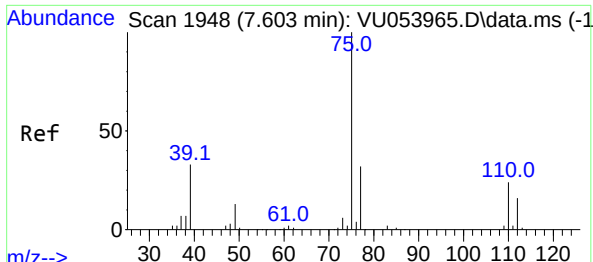
Tgt Ion: 63 Resp: 81258
Ion Ratio Lower Upper
63 100
112 4.5 3.8 5.6



#38
Bromodichloromethane
Concen: 51.404 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Tgt Ion: 83 Resp: 107410
Ion Ratio Lower Upper
83 100
85 64.2 44.4 82.5
127 8.8 8.0 12.0





#39

cis-1,3-Dichloropropene

Concen: 50.309 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU053965.D

Acq: 28 Apr 2023 12:04

Instrument :

MSVOA_U

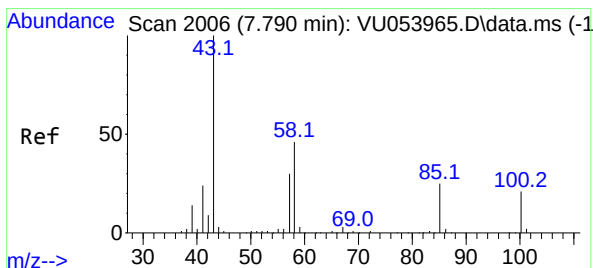
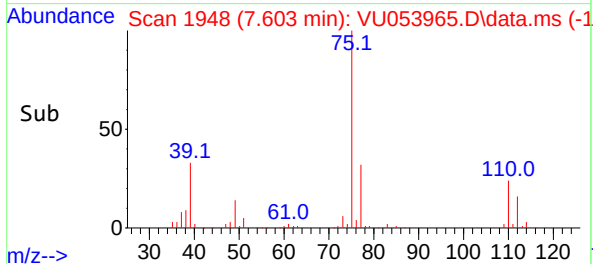
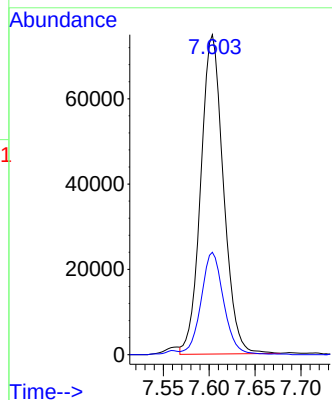
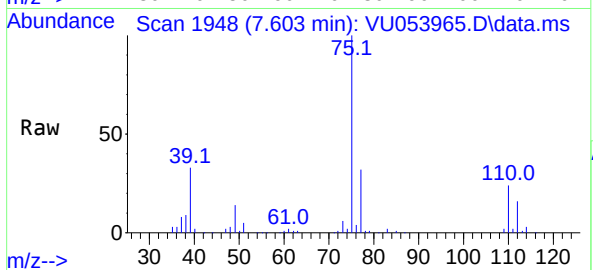
ClientSampleId :

Tgt Ion: 75 Resp: 128769

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 91.096 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.006 min

Lab File: VU053965.D

Acq: 28 Apr 2023 12:04

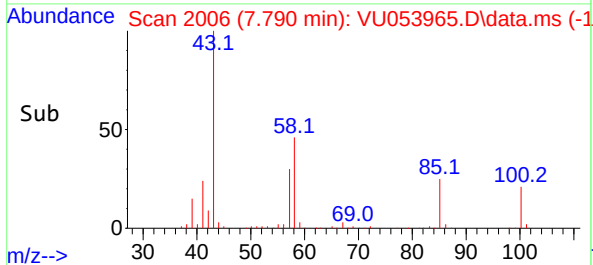
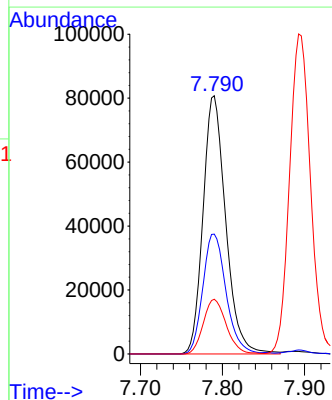
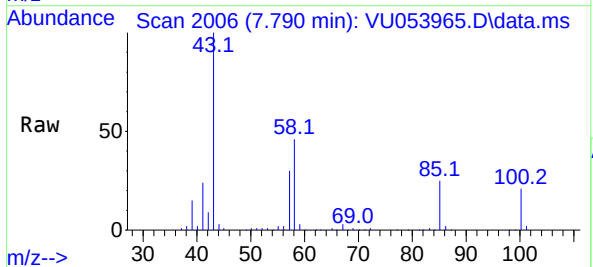
Tgt Ion: 43 Resp: 155054

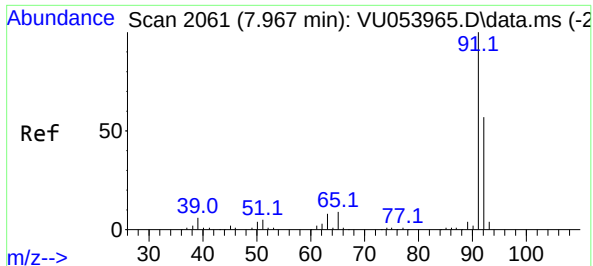
Ion Ratio Lower Upper

43 100

58 47.6 35.5 53.3

100 21.5 15.8 23.8





#42

Toluene

Concen: 48.575 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU053965.D

Acq: 28 Apr 2023 12:04

Instrument :

MSVOA_U

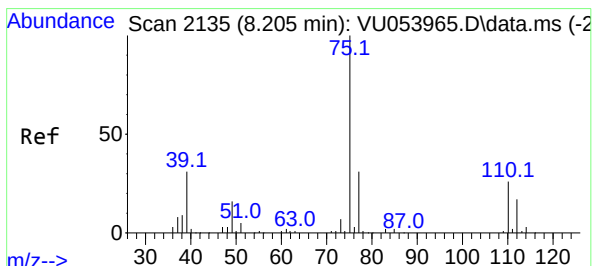
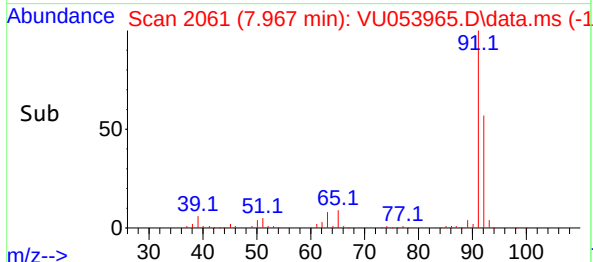
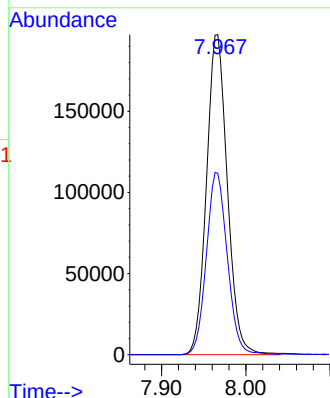
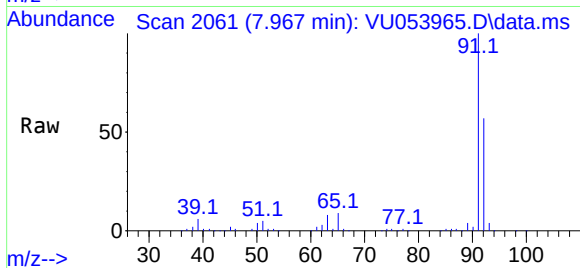
ClientSampleId :

Tgt Ion: 91 Resp: 339565

Ion Ratio Lower Upper

91 100

92 56.7 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 50.931 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053965.D

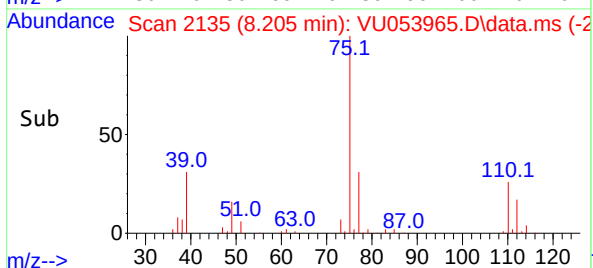
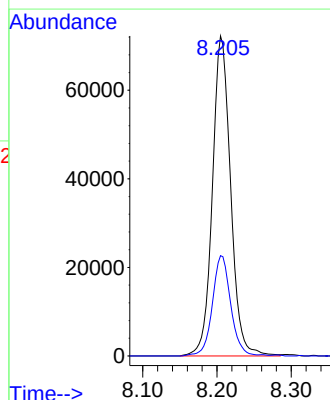
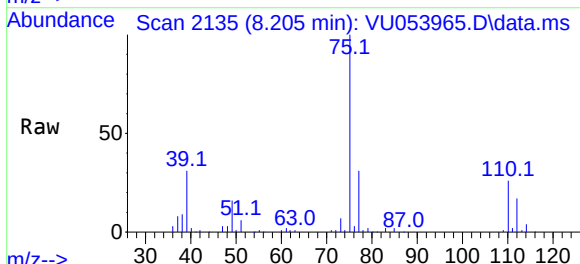
Acq: 28 Apr 2023 12:04

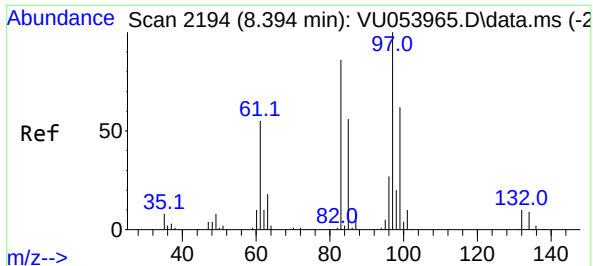
Tgt Ion: 75 Resp: 123236

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 52.042 ug/L

RT: 8.394 min Scan# 2194

Delta R.T. -0.000 min

Lab File: VU053965.D

Acq: 28 Apr 2023 12:04

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 89497

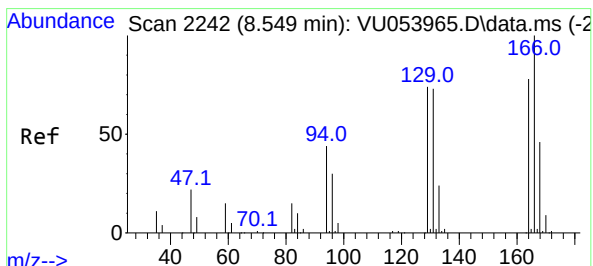
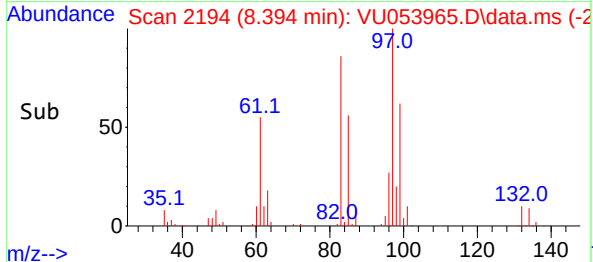
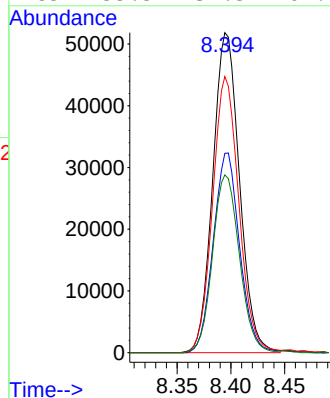
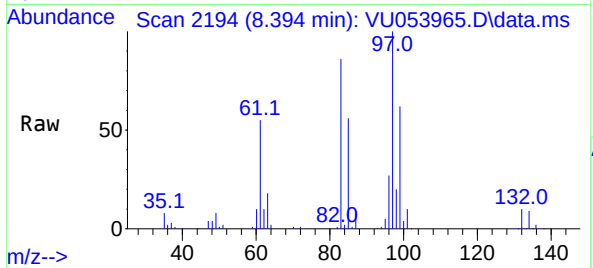
Ion Ratio Lower Upper

97 100

99 62.3 43.8 81.3

83 86.3 59.0 109.6

85 55.5 37.5 69.7



#46

Tetrachloroethene

Concen: 44.248 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU053965.D

Acq: 28 Apr 2023 12:04

Tgt Ion:164 Resp: 68506

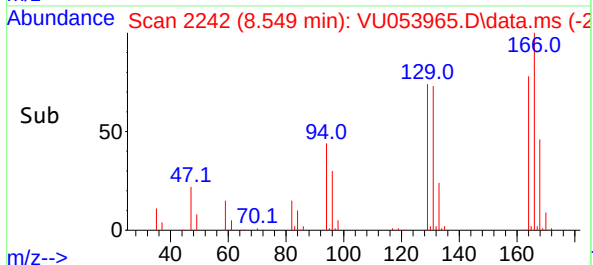
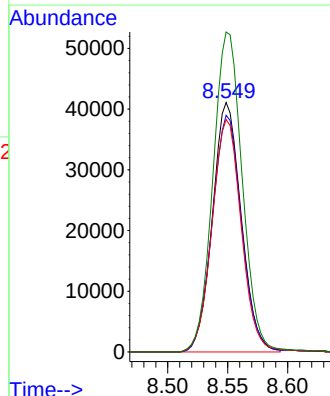
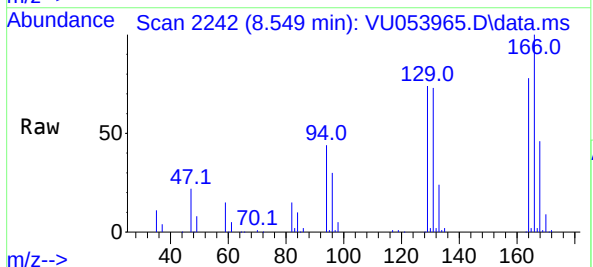
Ion Ratio Lower Upper

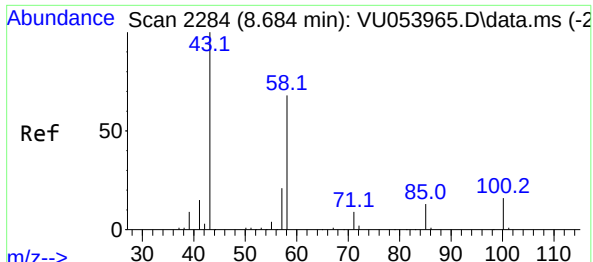
164 100

129 94.9 64.0 119.0

131 93.2 61.9 115.1

166 128.3 90.6 168.2



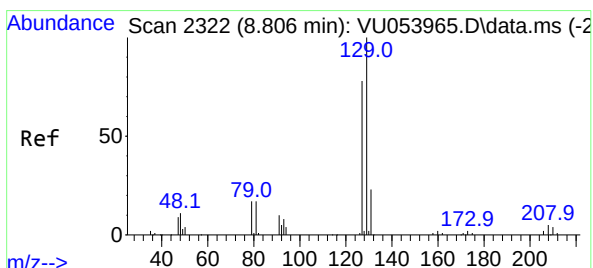
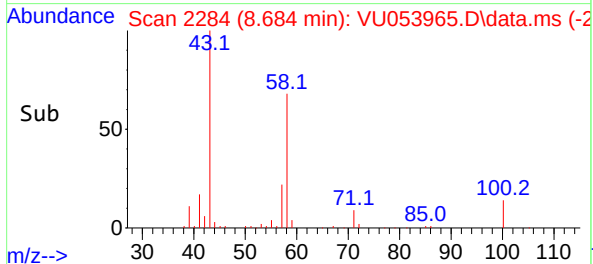
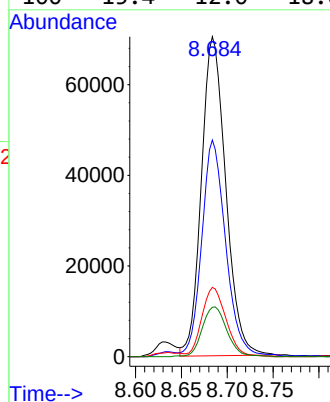
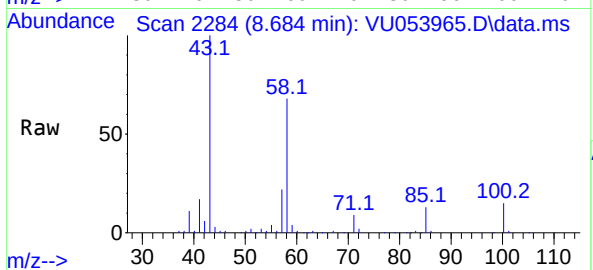


#48
2-Hexanone
Concen: 94.614 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 130270

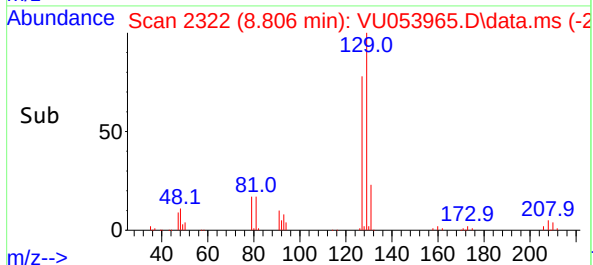
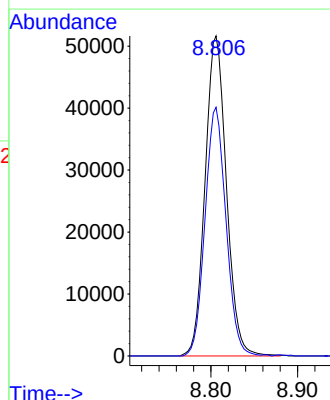
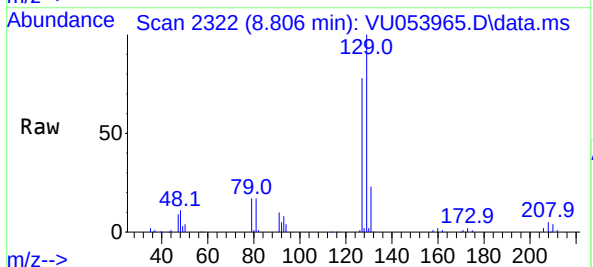
Ion	Ratio	Lower	Upper
43	100		
58	65.5	49.8	74.6
57	21.6	17.8	26.6
100	15.4	12.0	18.0

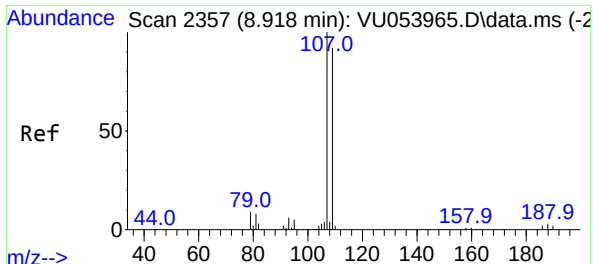


#49
Dibromochloromethane
Concen: 49.422 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Tgt Ion: 129 Resp: 88373

Ion	Ratio	Lower	Upper
129	100		
127	77.7	53.5	99.3

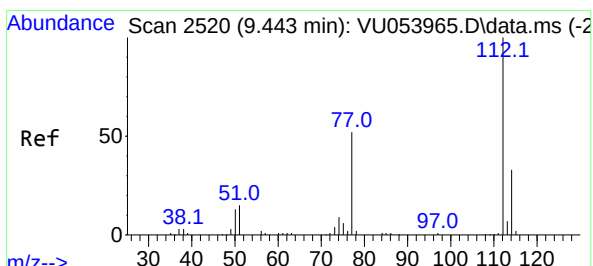
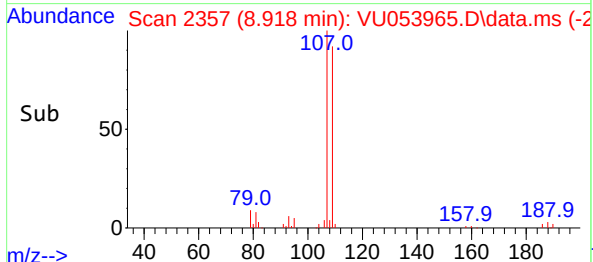
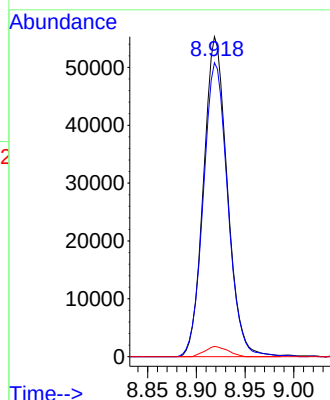
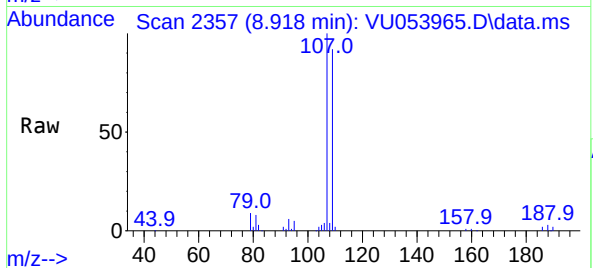




#50
1,2-Dibromoethane
Concen: 48.830 ug/L
RT: 8.918 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

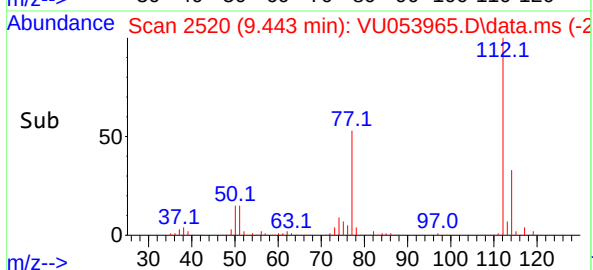
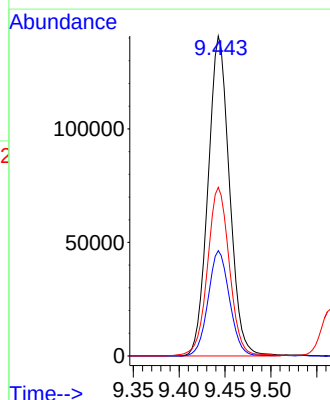
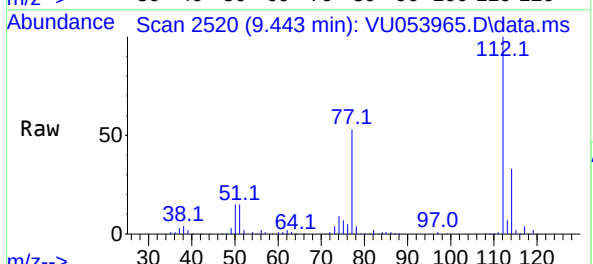
Instrument :
MSVOA_U
ClientSampleId :

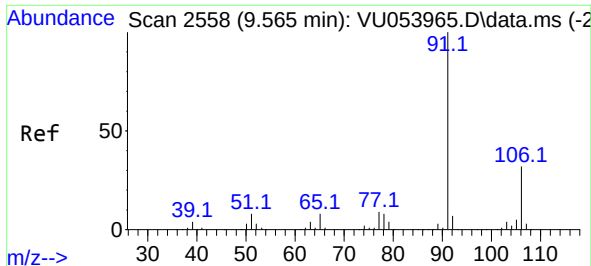
Tgt Ion:107 Resp: 93948
Ion Ratio Lower Upper
107 100
109 91.9 66.3 123.1
188 3.2 3.0 4.4



#51
Chlorobenzene
Concen: 47.631 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Tgt Ion:112 Resp: 229417
Ion Ratio Lower Upper
112 100
114 32.9 22.2 41.2
77 52.7 41.3 61.9

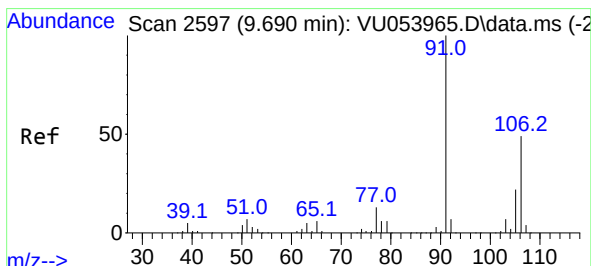
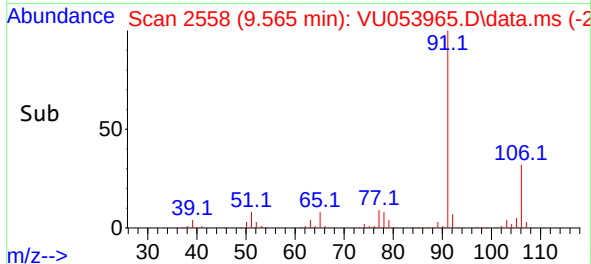
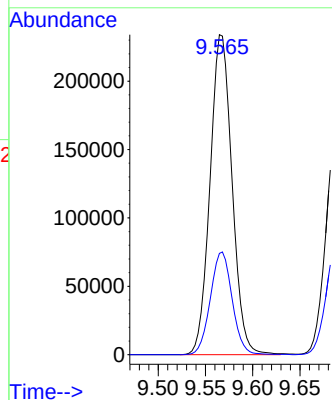
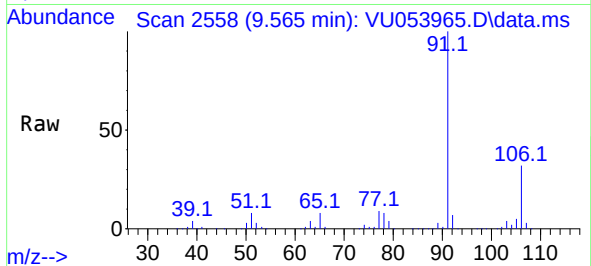




#52
Ethylbenzene
Concen: 48.671 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

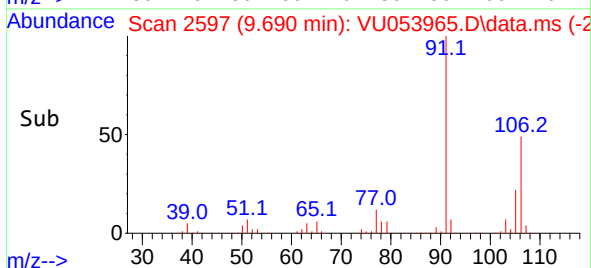
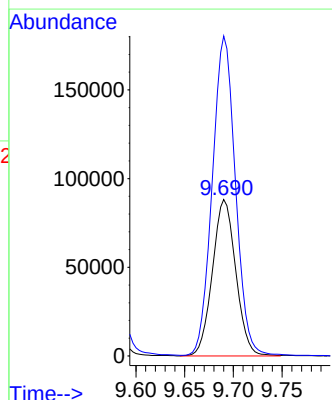
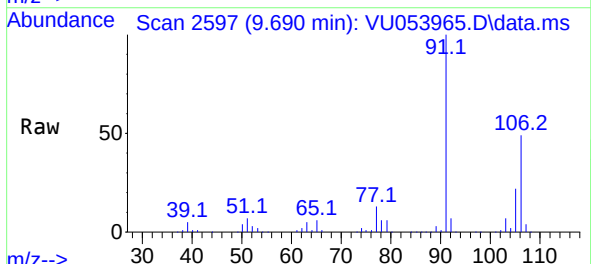
Instrument :
MSVOA_U
ClientSampleId :

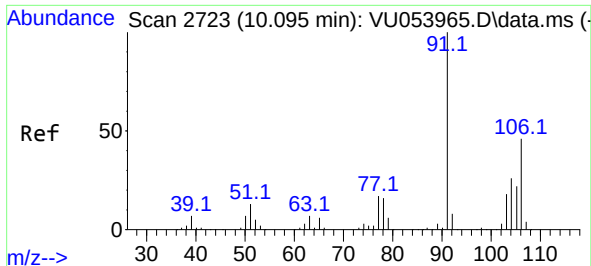
Tgt Ion: 91 Resp: 378753
Ion Ratio Lower Upper
91 100
106 31.7 22.4 41.6



#53
m,p-Xylene
Concen: 48.352 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Tgt Ion: 106 Resp: 147158
Ion Ratio Lower Upper
106 100
91 204.4 140.0 260.0

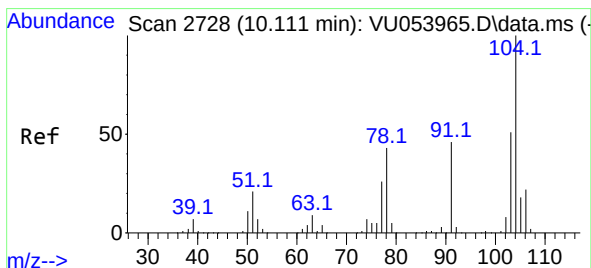
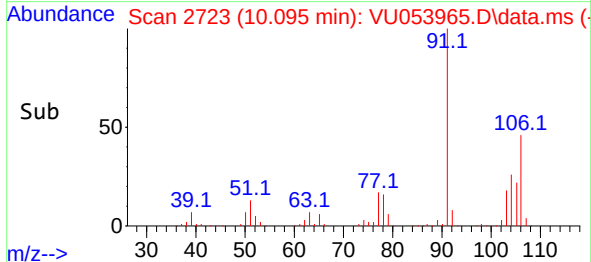
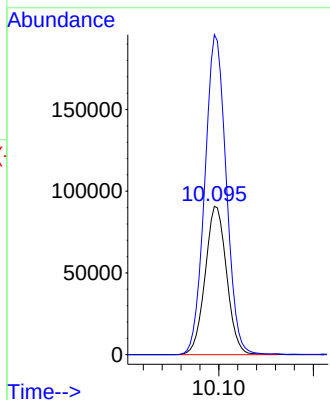
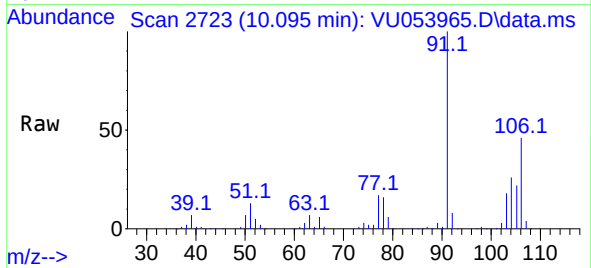




#54
o-Xylene
Concen: 47.636 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

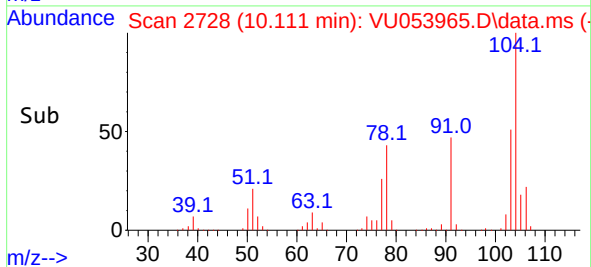
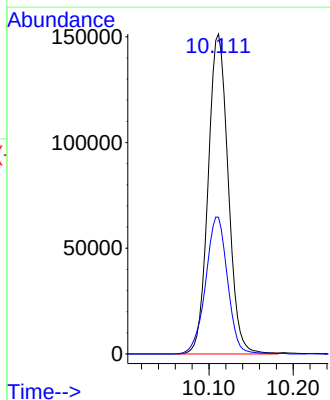
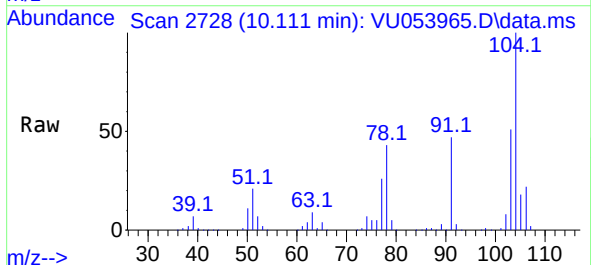
Instrument :
MSVOA_U
ClientSampleId :

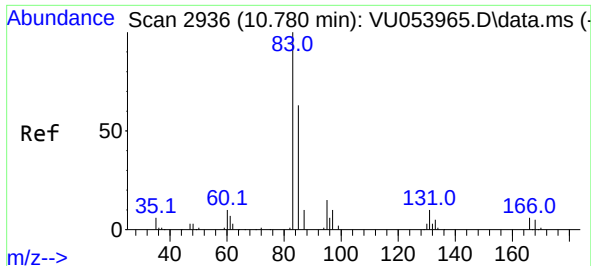
Tgt Ion:106 Resp: 143341
Ion Ratio Lower Upper
106 100
91 215.7 144.9 269.1



#55
Styrene
Concen: 51.093 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Tgt Ion:104 Resp: 250415
Ion Ratio Lower Upper
104 100
78 42.7 31.3 58.1

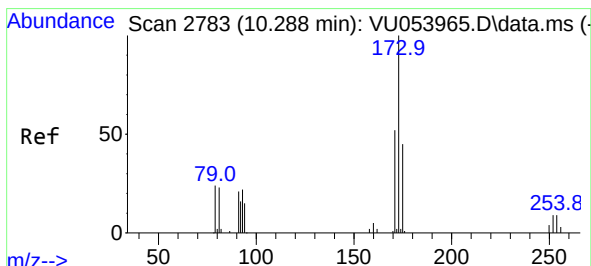
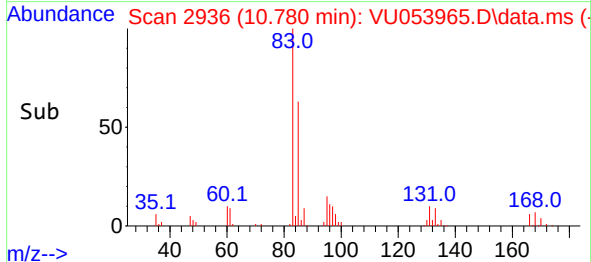
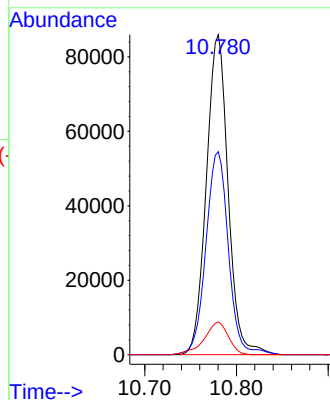
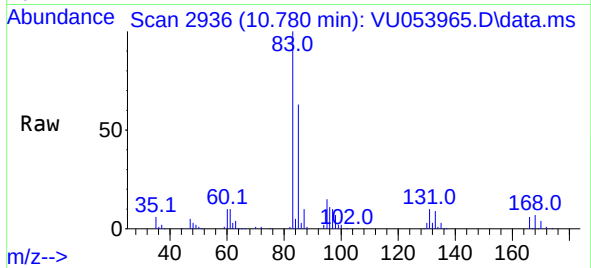




#57
1,1,2,2-Tetrachloroethane
Concen: 56.151 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.003 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

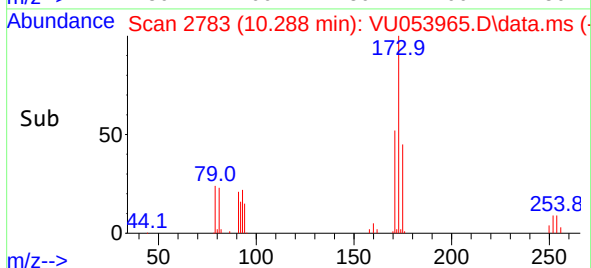
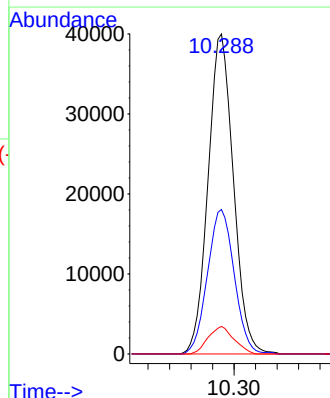
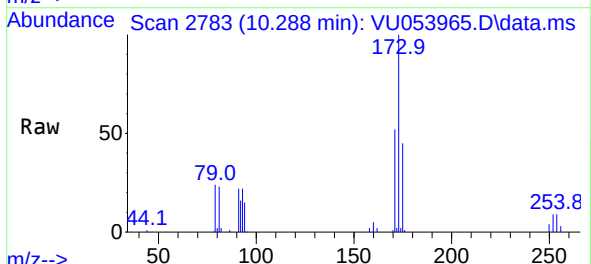
Instrument :
MSVOA_U
ClientSampleId :

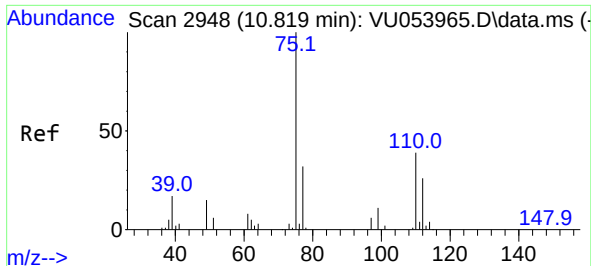
Tgt Ion: 83 Resp: 141775
Ion Ratio Lower Upper
83 100
85 63.5 47.0 87.4
131 10.2 8.7 13.1



#59
Bromoform
Concen: 48.872 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.003 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

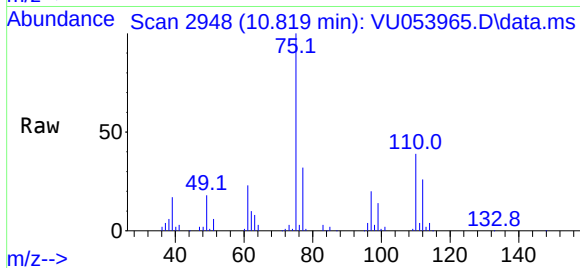
Tgt Ion:173 Resp: 65461
Ion Ratio Lower Upper
173 100
175 47.5 39.0 58.6
254 8.7 7.0 10.4



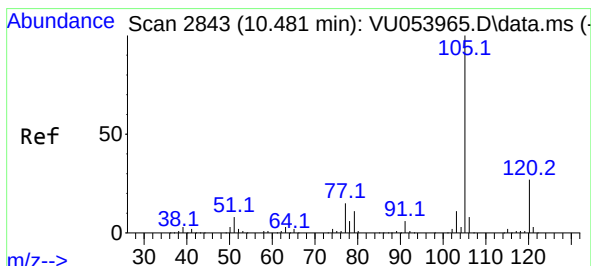
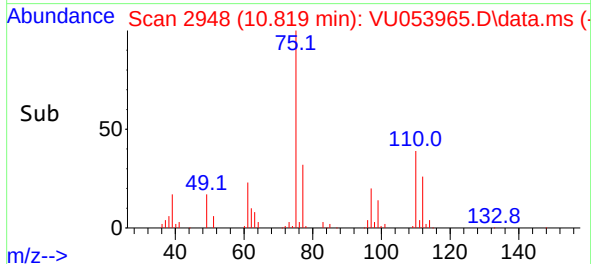
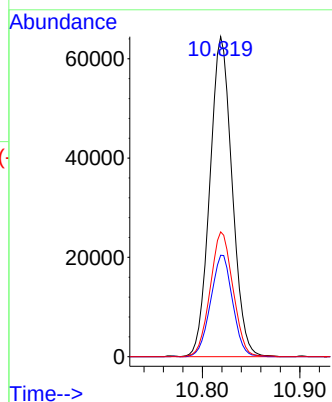


#60
1,2,3-Trichloropropane
Concen: 53.959 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Instrument :
MSVOA_U
ClientSampleId :

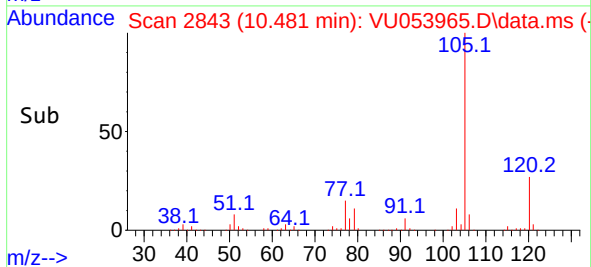
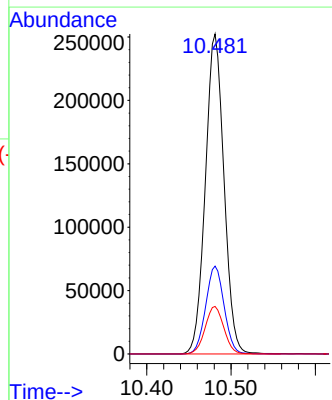
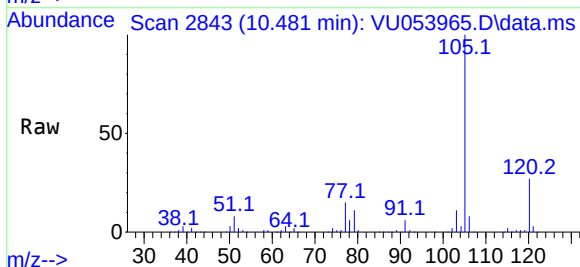


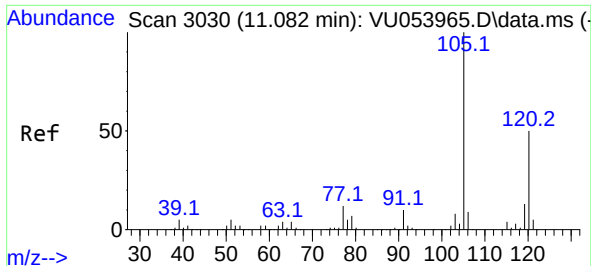
Tgt Ion: 75 Resp: 102384
Ion Ratio Lower Upper
75 100
77 31.3 26.0 39.0
110 39.9 32.6 48.8



#61
Isopropylbenzene
Concen: 50.227 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Tgt Ion: 105 Resp: 388595
Ion Ratio Lower Upper
105 100
120 27.2 22.4 33.6
77 14.9 12.1 18.1

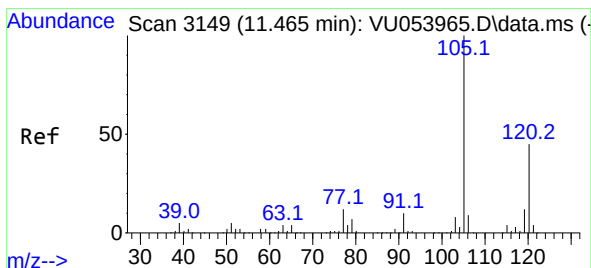
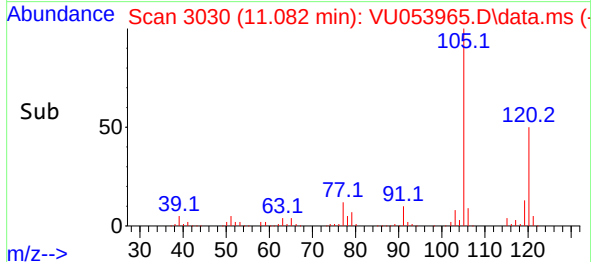
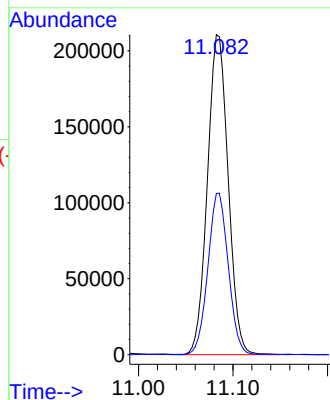
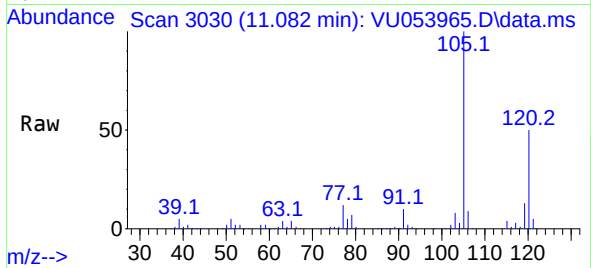




#62
1,3,5-Trimethylbenzene
Concen: 49.986 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. -0.004 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

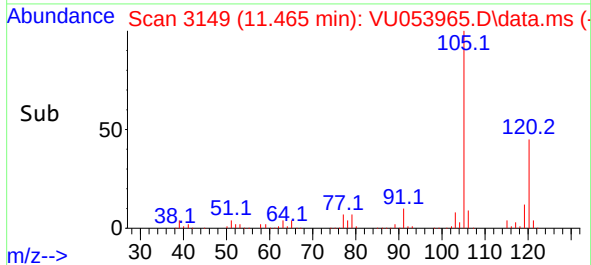
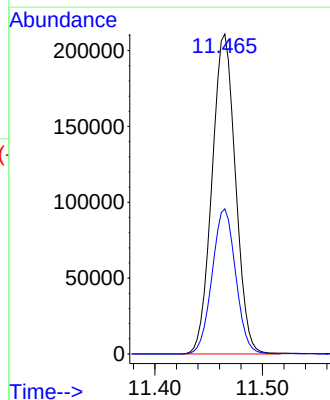
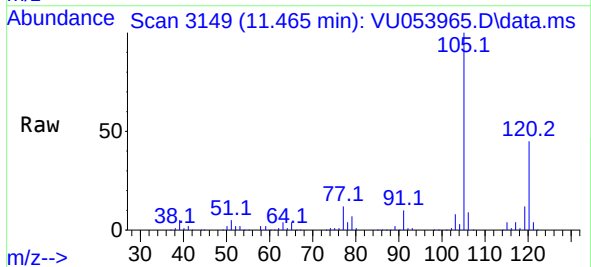
Instrument :
MSVOA_U
ClientSampleId :

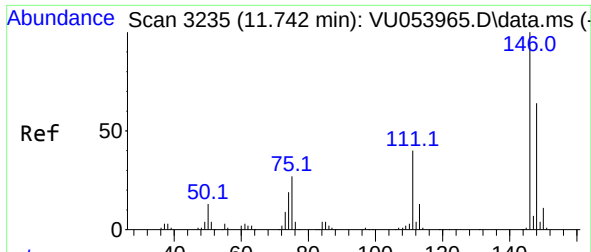
Tgt Ion:105 Resp: 321486
Ion Ratio Lower Upper
105 100
120 49.5 39.5 59.3



#63
1,2,4-Trimethylbenzene
Concen: 50.315 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Tgt Ion:105 Resp: 320508
Ion Ratio Lower Upper
105 100
120 45.4 37.5 56.3

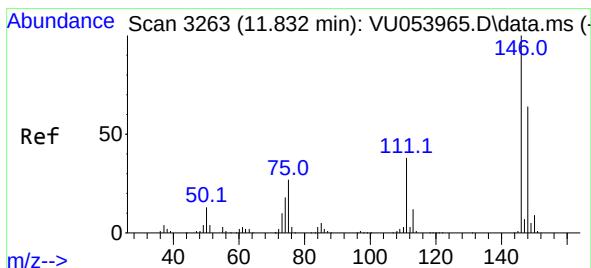
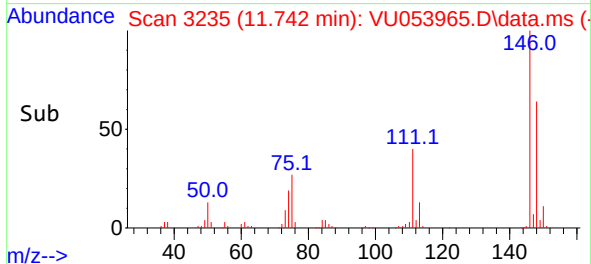
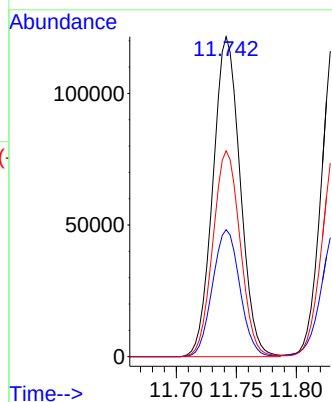
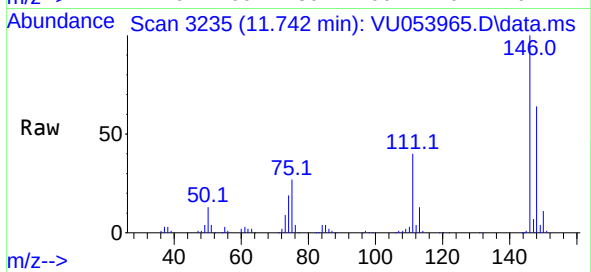




#64
1,3-Dichlorobenzene
Concen: 47.481 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

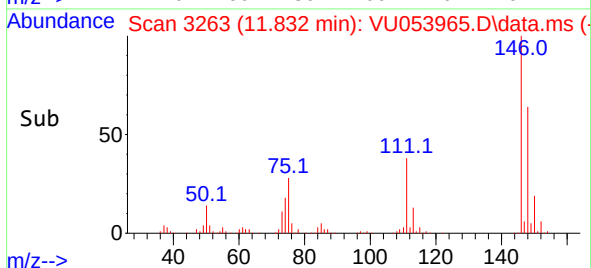
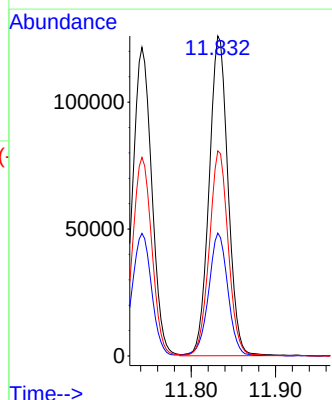
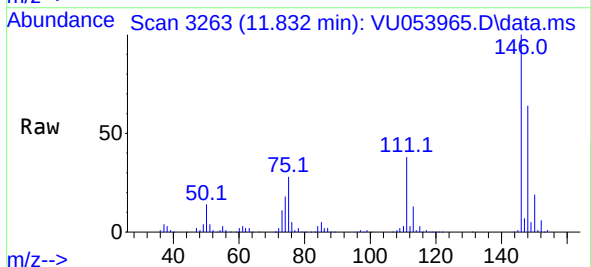
Instrument :
MSVOA_U
ClientSampleId :

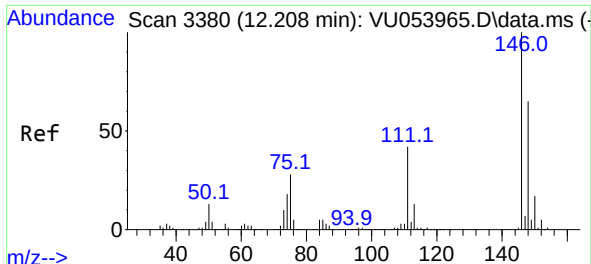
Tgt Ion:146 Resp: 191951
Ion Ratio Lower Upper
146 100
111 39.7 25.7 47.7
148 64.4 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 47.723 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Tgt Ion:146 Resp: 196631
Ion Ratio Lower Upper
146 100
111 38.4 25.1 46.5
148 64.1 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 48.492 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. -0.000 min

Lab File: VU053965.D

Acq: 28 Apr 2023 12:04

Instrument :

MSVOA_U

ClientSampleId :

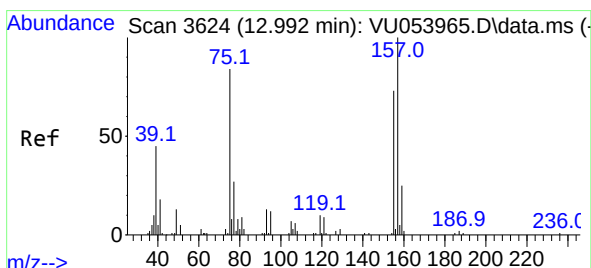
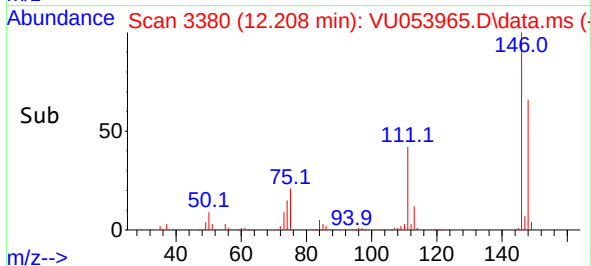
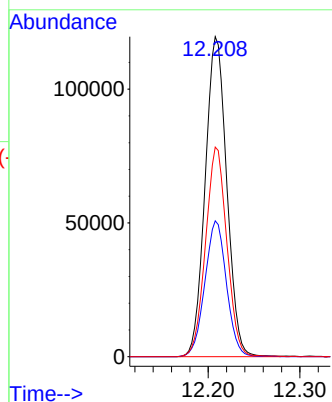
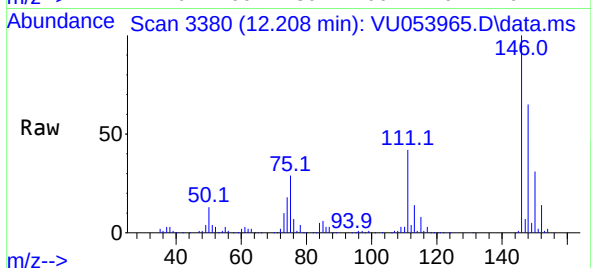
Tgt Ion:146 Resp: 195383

Ion Ratio Lower Upper

146 100

111 42.5 31.5 47.3

148 65.5 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 50.960 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU053965.D

Acq: 28 Apr 2023 12:04

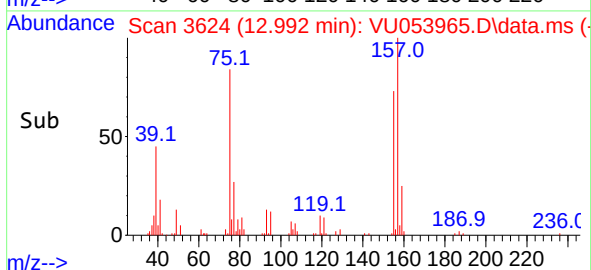
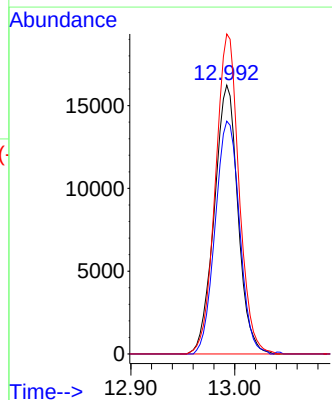
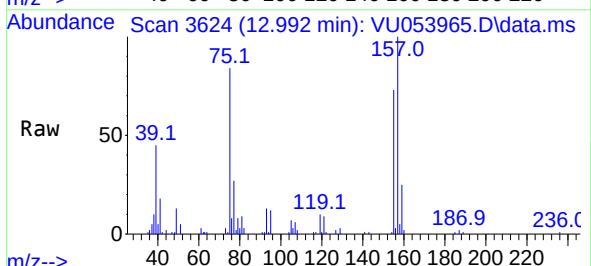
Tgt Ion: 75 Resp: 25777

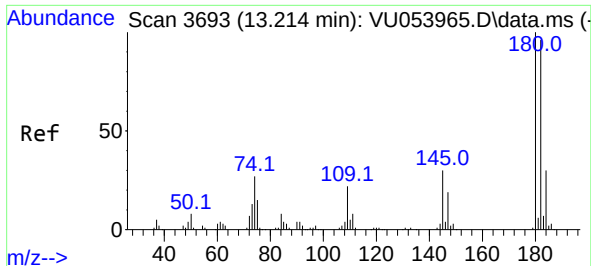
Ion Ratio Lower Upper

75 100

155 86.6 79.9 119.9

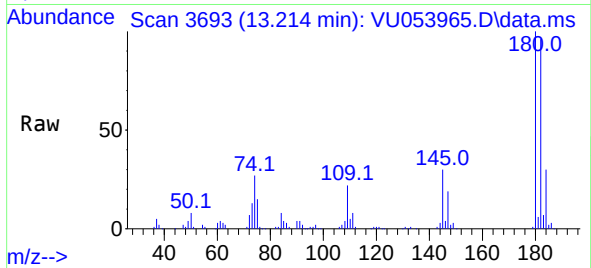
157 119.1 100.8 151.2



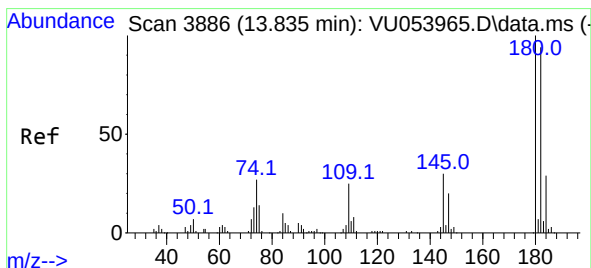
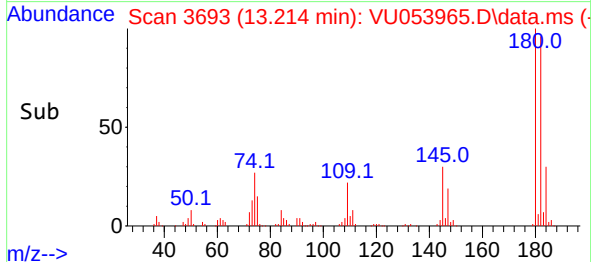
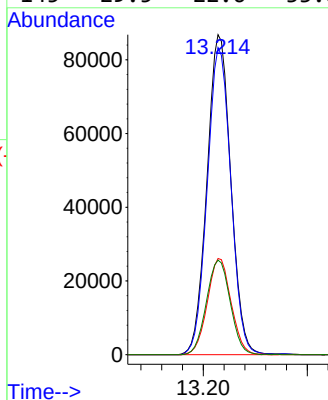


#69
1,3,5-Trichlorobenzene
Concen: 46.195 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Instrument :
MSVOA_U
ClientSampleId :

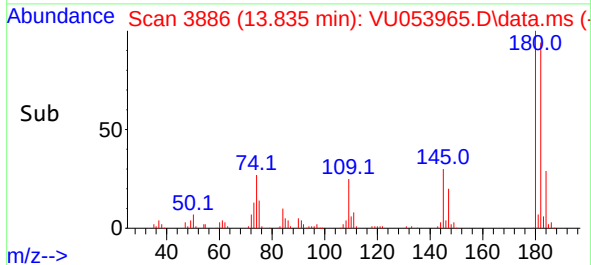
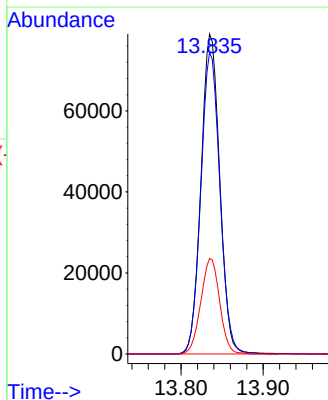
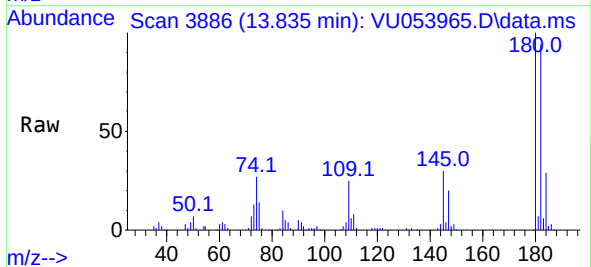


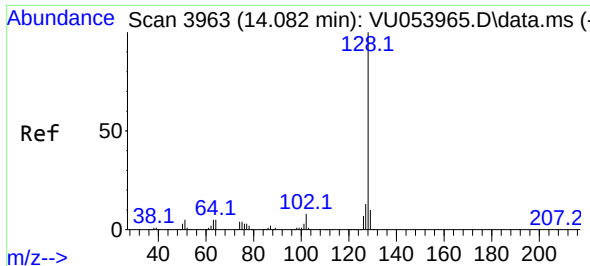
Tgt Ion:180 Resp: 138294
Ion Ratio Lower Upper
180 100
182 95.0 75.6 113.4
184 29.9 24.2 36.2
145 29.5 22.6 33.8



#70
1,2,4-trichlorobenzene
Concen: 45.241 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

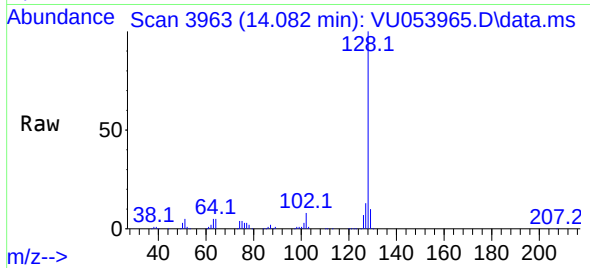
Tgt Ion:180 Resp: 125569
Ion Ratio Lower Upper
180 100
182 95.6 75.8 113.8
145 29.9 23.4 35.2



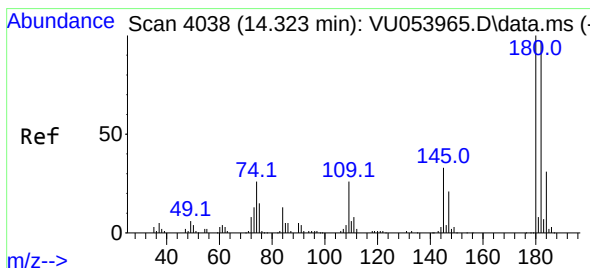
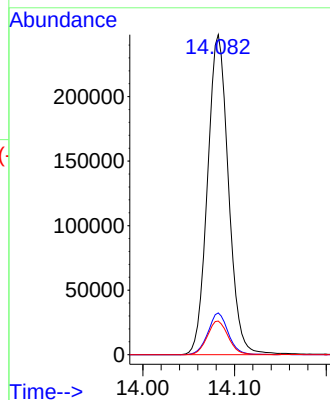


#71
Naphthalene
Concen: 47.418 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	393933
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.5	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 45.665 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU053965.D
Acq: 28 Apr 2023 12:04

Tgt Ion:	180	Resp:	126597
Ion Ratio	Lower	Upper	
180	100		
182	95.0	77.0	115.6
145	31.6	25.4	38.0

