

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032423\
 Data File : VU053391.D
 Acq On : 24 Mar 2023 14:23
 Operator : JC/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 25 00:34:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Mar 25 00:27:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	151979	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	141407	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	71725	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	52010	4.975	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.400%
7) Chloroethane-d5	1.912	69	47098	4.963	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.200%
11) 1,1-Dichloroethene-d2	2.565	65	22828	5.126	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.600%
20) 2-Butanone-d5	4.639	46	116178	48.506	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.020%
24) Chloroform-d	5.057	84	99546	5.136	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
26) 1,2-Dichloroethane-d4	5.697	65	48495	4.882	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.722	84	199843	4.987	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
36) 1,2-Dichloropropane-d6	6.687	67	63944	5.236	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.800%
41) Toluene-d8	7.893	98	191027	5.053	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.000%
43) trans-1,3-Dichloroprop...	8.176	79	23727	5.063	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.200%
46) 2-Hexanone-d5	8.629	63	93413	49.077	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.160%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	52344	5.150	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.188	152	66934	5.187	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	57260	5.250	ug/L	99
3) Chloromethane	1.517	50	54787	4.994	ug/L	95
5) Vinyl chloride	1.604	62	62333	5.038	ug/L	98
6) Bromomethane	1.858	94	40537	5.174	ug/L	96
8) Chloroethane	1.935	64	35265	4.904	ug/L	100
9) Trichlorofluoromethane	2.137	101	85845	4.595	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	47321	4.997	ug/L	97
12) 1,1-Dichloroethene	2.578	96	43628	5.070	ug/L	97
13) Acetone	2.661	43	70196	49.385	ug/L	92
14) Carbon disulfide	2.793	76	131103	5.191	ug/L	99
15) Methyl Acetate	2.960	43	14834	4.449	ug/L	97
16) Methylene chloride	3.041	84	51436	4.552	ug/L	96
17) Methyl tert-butyl Ether	3.359	73	103500	4.962	ug/L	98
18) trans-1,2-Dichloroethene	3.350	96	44596	4.989	ug/L	93
19) 1,1-Dichloroethane	3.867	63	83617	5.078	ug/L	97
21) 2-Butanone	4.719	43	105717	47.899	ug/L	99
22) cis-1,2-Dichloroethene	4.661	96	50390	4.185	ug/L	96
23) Bromochloromethane	4.967	128	21455	5.034	ug/L	97
25) Chloroform	5.083	83	84413	4.984	ug/L	97

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 25 00:34:56 2023
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 Quant Title : TRACE VOA SFAM1.0
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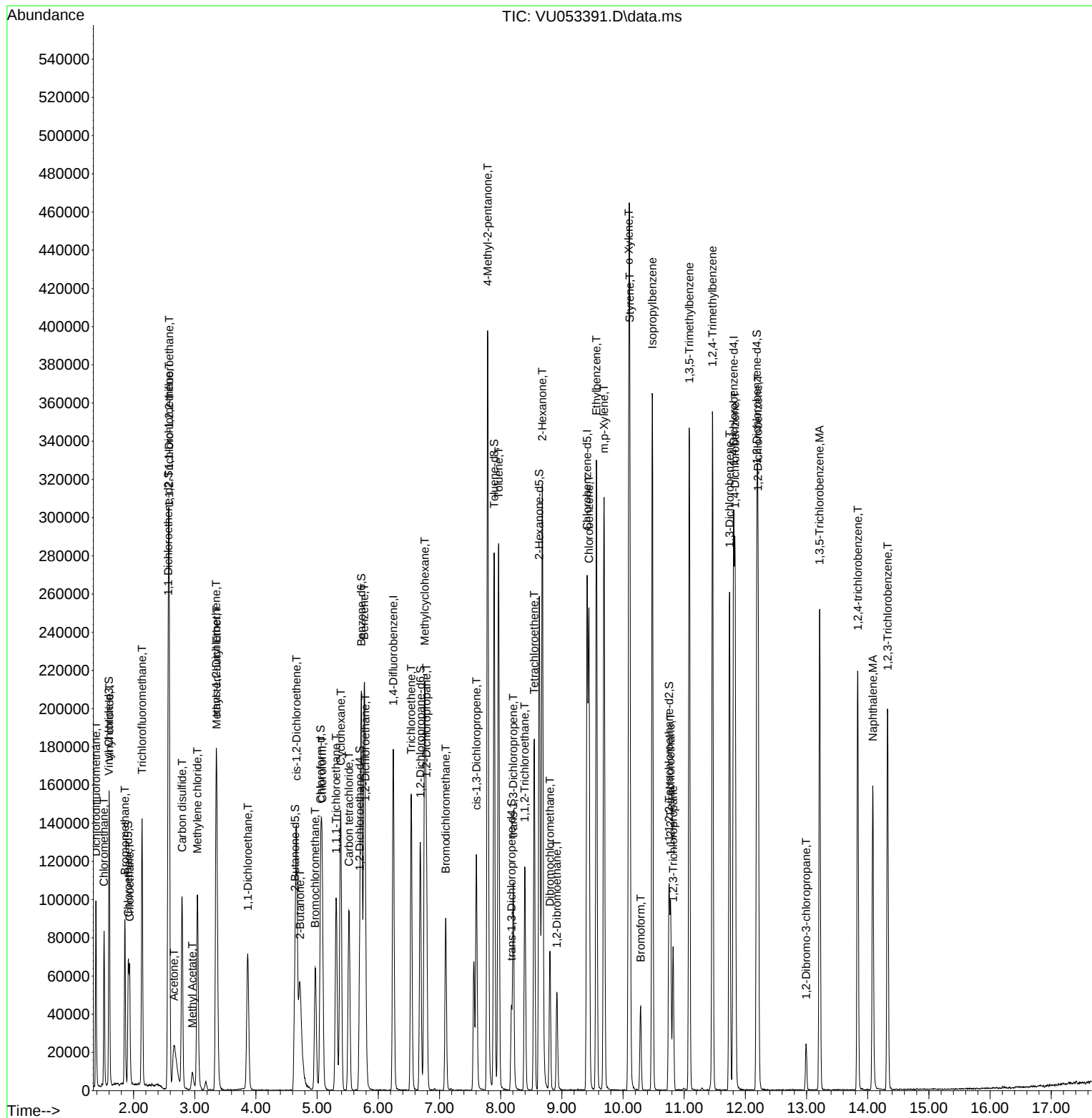
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	53740	5.065	ug/L	99
29) 1,1,1-Trichloroethane	5.311	97	71493	5.121	ug/L	99
30) Cyclohexane	5.385	56	76354	5.133	ug/L	98
31) Carbon tetrachloride	5.520	117	61043	5.168	ug/L	100
33) Benzene	5.771	78	192759	5.088	ug/L	100
34) Trichloroethene	6.536	95	51737	5.128	ug/L	97
35) Methylcyclohexane	6.758	83	89245	5.155	ug/L	99
37) 1,2-Dichloropropane	6.787	63	50095	5.007	ug/L	100
38) Bromodichloromethane	7.102	83	57549	5.180	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	75121	5.083	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	248884	50.838	ug/L	99
42) Toluene	7.967	91	215566	5.207	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	63477	5.279	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	34888	4.912	ug/L	90
47) Tetrachloroethene	8.549	164	36893	4.976	ug/L	98
48) 2-Hexanone	8.681	43	192828	53.269	ug/L	100
49) Dibromochloromethane	8.806	129	36872	5.249	ug/L	98
50) 1,2-Dibromoethane	8.918	107	34117	4.973	ug/L #	95
51) Chlorobenzene	9.443	112	135155	5.176	ug/L	99
52) Ethylbenzene	9.565	91	231568	5.131	ug/L	100
53) m,p-Xylene	9.690	106	91249	5.305	ug/L	98
54) o-Xylene	10.095	106	86849	5.321	ug/L	99
55) Styrene	10.111	104	142609	5.321	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	45747	5.100	ug/L	98
59) Bromoform	10.288	173	18646	5.049	ug/L	96
60) Isopropylbenzene	10.478	105	235793	5.412	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	31867	5.362	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	190263	5.382	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	196846	5.437	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	104905	5.477	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	102295	5.319	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	97271	5.357	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.992	75	6182	5.365	ug/L #	85
69) 1,3,5-Trichlorobenzene	13.214	180	73531	5.499	ug/L	97
70) 1,2,4-trichlorobenzene	13.838	180	64226	6.041	ug/L	98
71) Naphthalene	14.082	128	130276	6.504	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	57619	6.209	ug/L	98

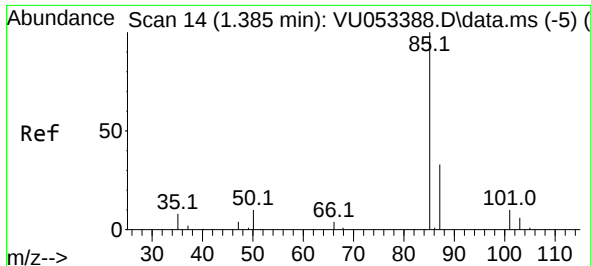
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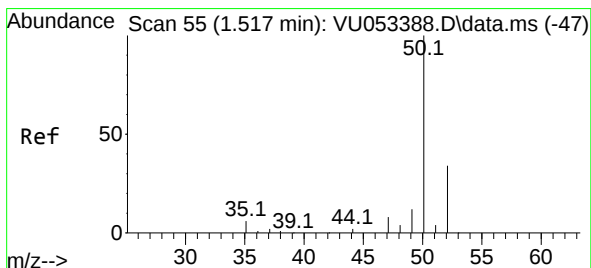
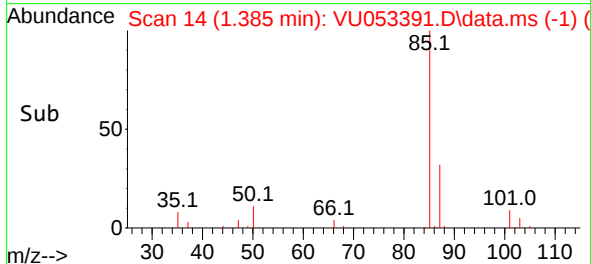
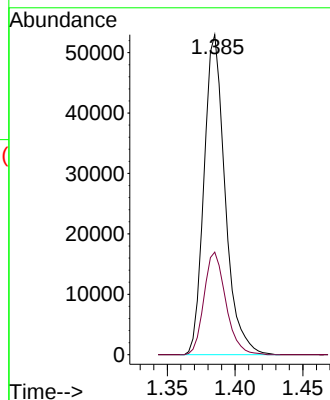
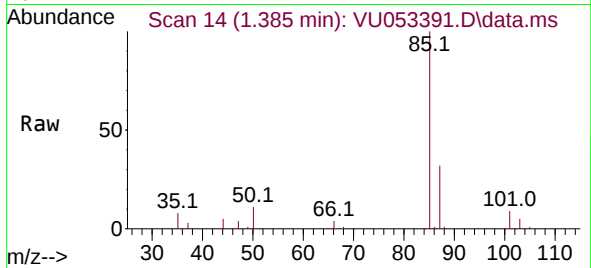




#2
Dichlorodifluoromethane
Concen: 5.250 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

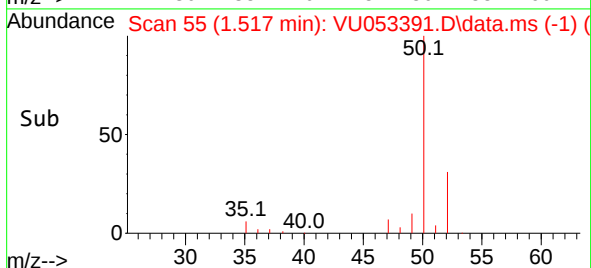
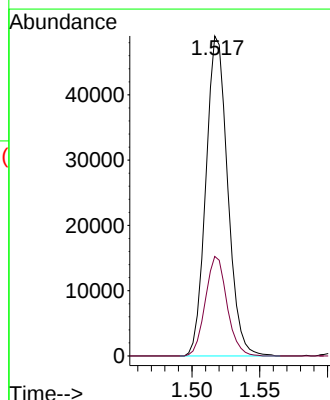
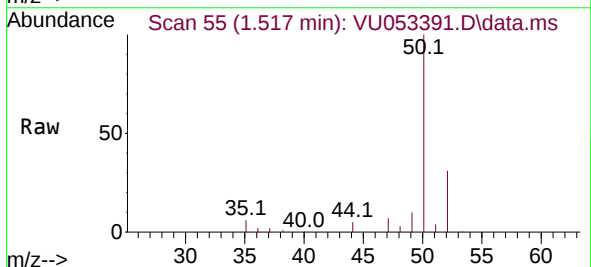
Instrument :
MSVOA_U
ClientSampleId :

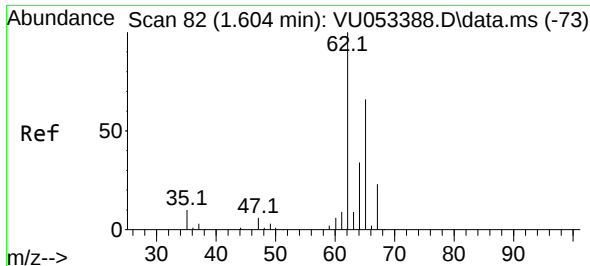
Tgt Ion: 85 Resp: 57260
Ion Ratio Lower Upper
85 100
87 33.1 26.1 39.1



#3
Chloromethane
Concen: 4.994 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.000 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

Tgt Ion: 50 Resp: 54787
Ion Ratio Lower Upper
50 100
52 31.1 23.9 44.3

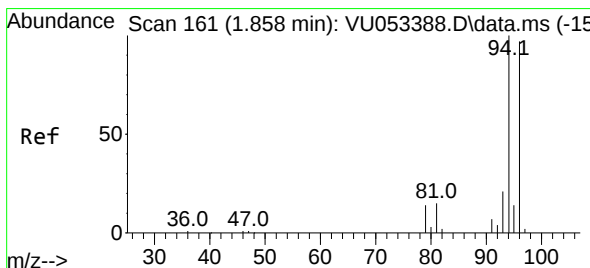
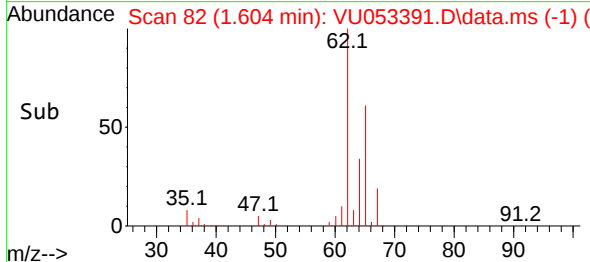
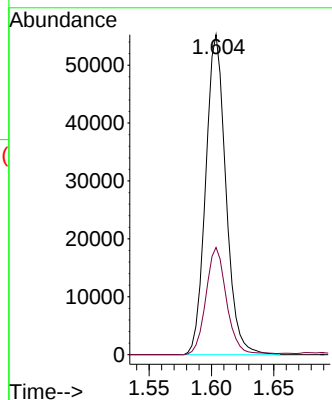
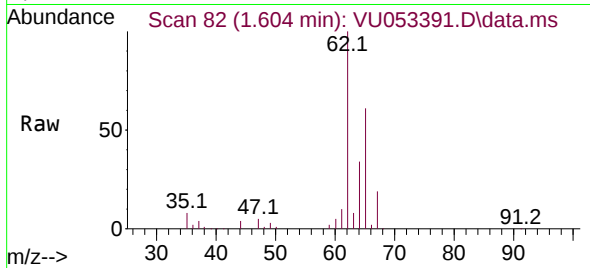




#5
 Vinyl chloride
 Concen: 5.038 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053391.D
 Acq: 24 Mar 2023 14:23

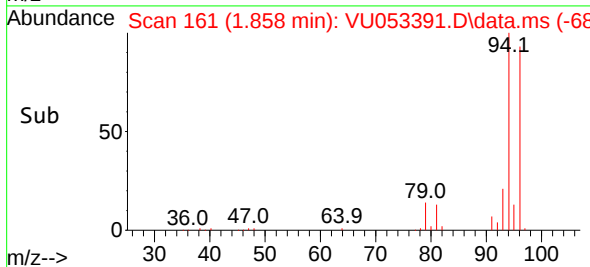
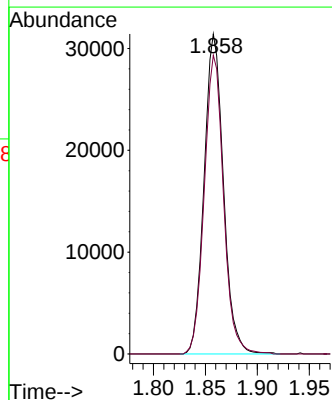
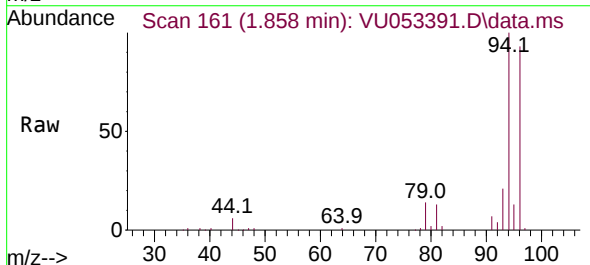
Instrument :
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 ClientSampleId :

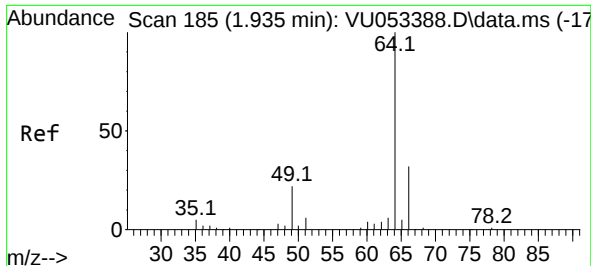
Tgt Ion: 62 Resp: 62333
 Ion Ratio Lower Upper
 62 100
 64 33.5 24.1 44.7



#6
 Bromomethane
 Concen: 5.174 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VU053391.D
 Acq: 24 Mar 2023 14:23

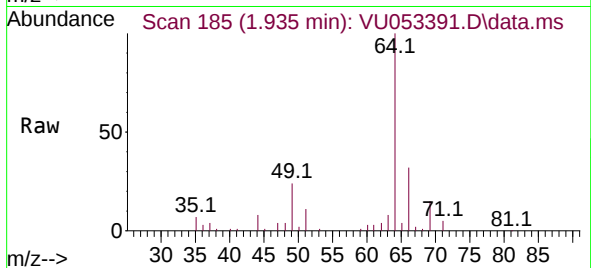
Tgt Ion: 94 Resp: 40537
 Ion Ratio Lower Upper
 94 100
 96 93.3 68.3 126.8



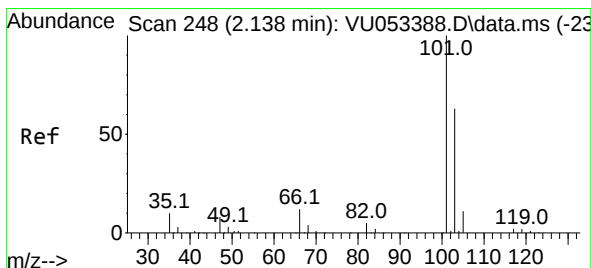
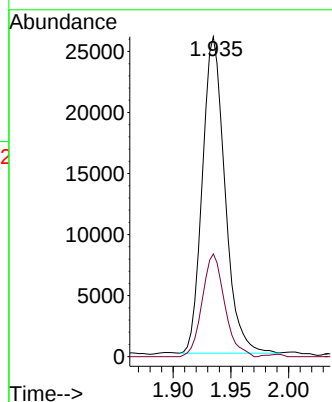
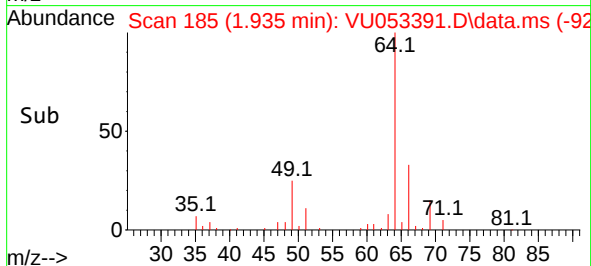


#8
Chloroethane
Concen: 4.904 ug/L
RT: 1.935 min Scan# 185
Delta R.T. -0.000 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

Instrument :
MSVOA_U
ClientSampleId :

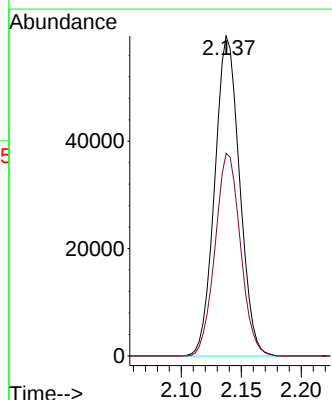
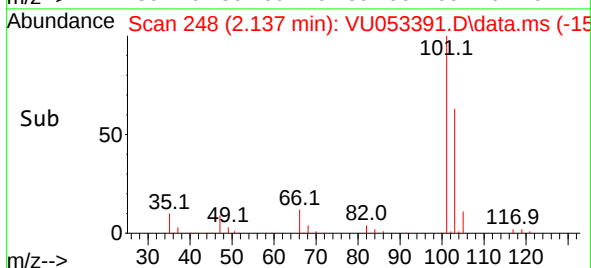
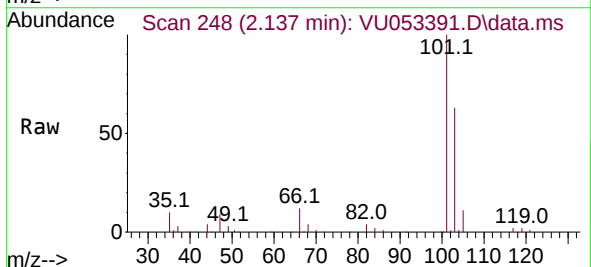


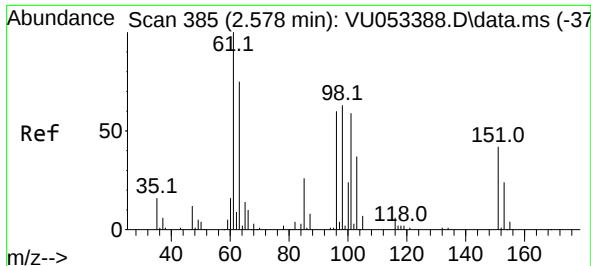
Tgt Ion: 64 Resp: 35265
Ion Ratio Lower Upper
64 100
66 32.1 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.595 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

Tgt Ion:101 Resp: 85845
Ion Ratio Lower Upper
101 100
103 64.6 50.2 75.2

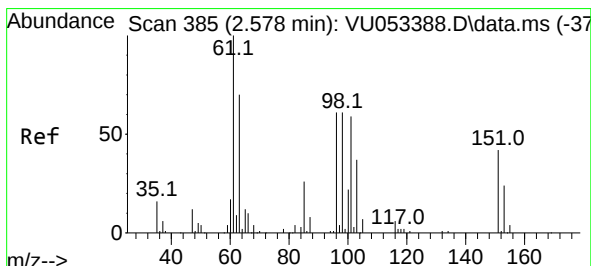
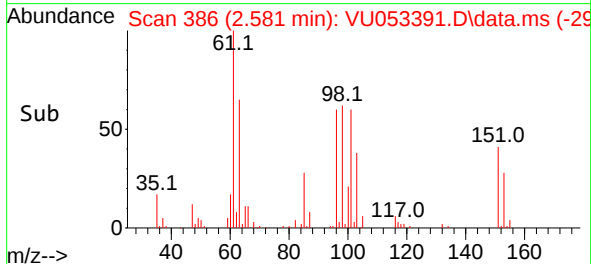
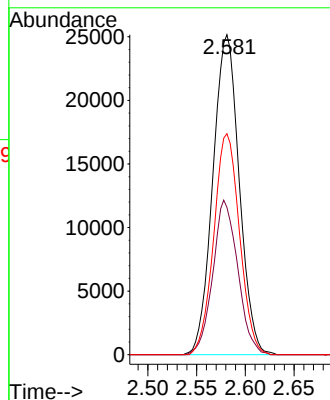
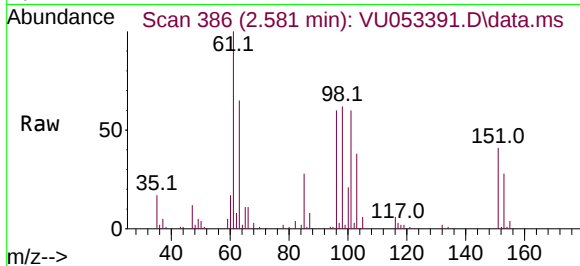




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.997 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.003 min
 Lab File: VU053391.D
 Acq: 24 Mar 2023 14:23

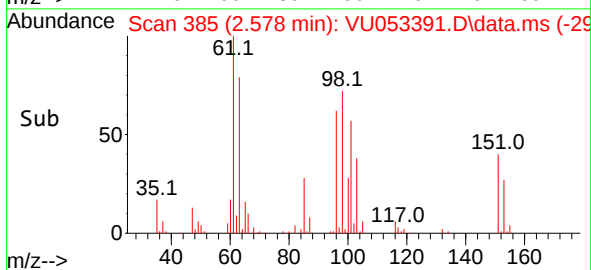
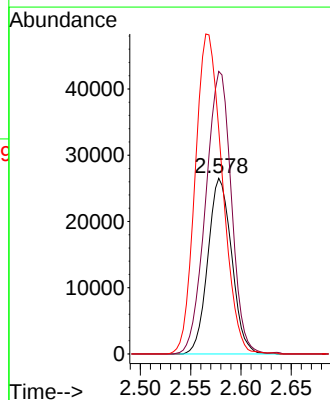
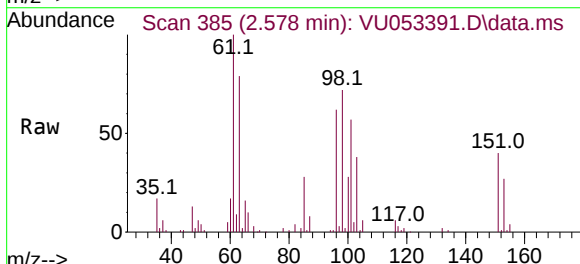
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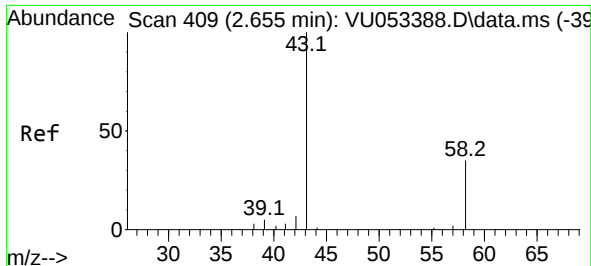
Tgt Ion:101 Resp: 47321
 Ion Ratio Lower Upper
 101 100
 85 45.8 37.0 55.4
 151 67.5 56.8 85.2



#12
 1,1-Dichloroethene
 Concen: 5.070 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU053391.D
 Acq: 24 Mar 2023 14:23

Tgt Ion: 96 Resp: 43628
 Ion Ratio Lower Upper
 96 100
 61 160.8 116.8 216.8
 63 127.7 88.6 164.6





#13

Acetone

Concen: 49.385 ug/L

RT: 2.661 min Scan# 411

Delta R.T. 0.006 min

Lab File: VU053391.D

Acq: 24 Mar 2023 14:23

Instrument :

MSVOA_U

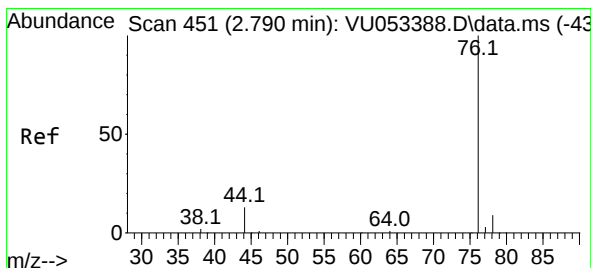
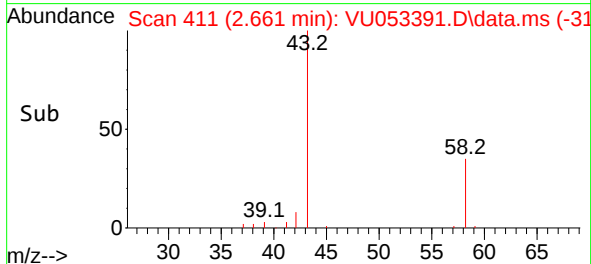
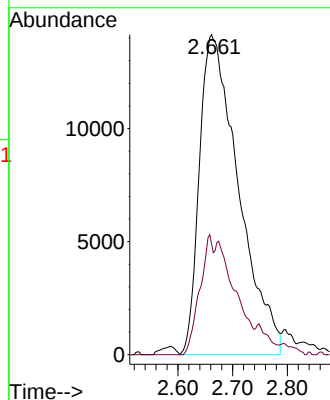
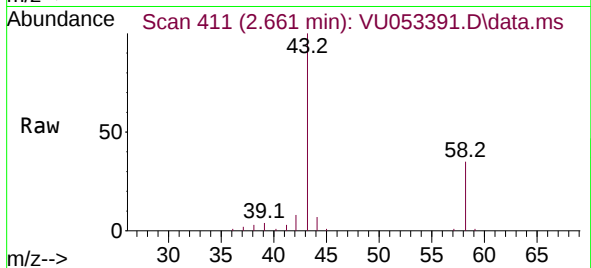
ClientSampleId :

Tgt Ion: 43 Resp: 70196

Ion Ratio Lower Upper

43 100

58 12.8 0.0 32.2



#14

Carbon disulfide

Concen: 5.191 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU053391.D

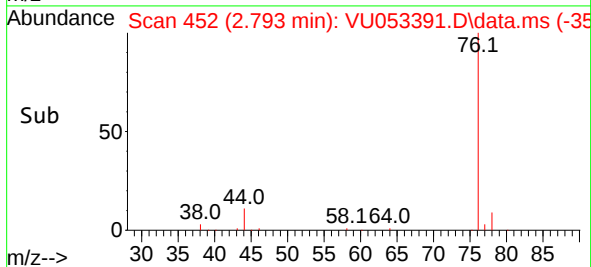
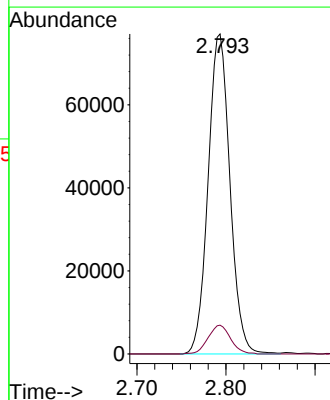
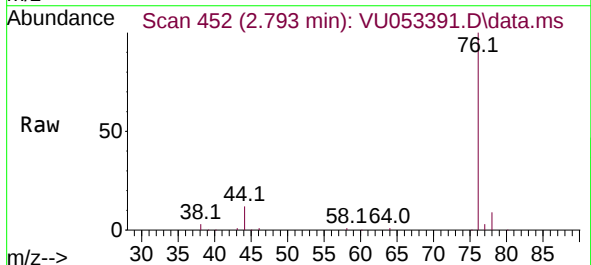
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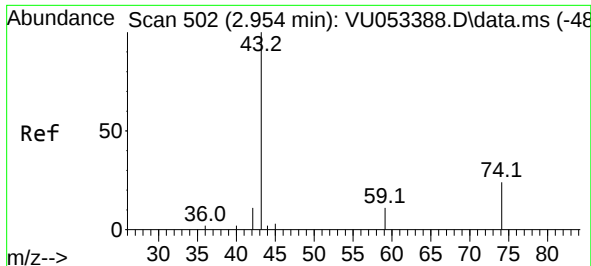
Tgt Ion: 76 Resp: 131103

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

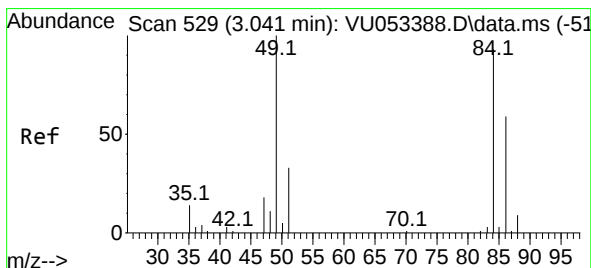
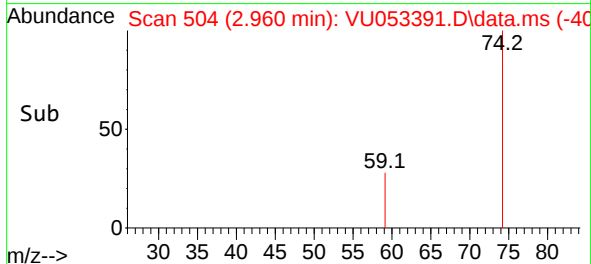
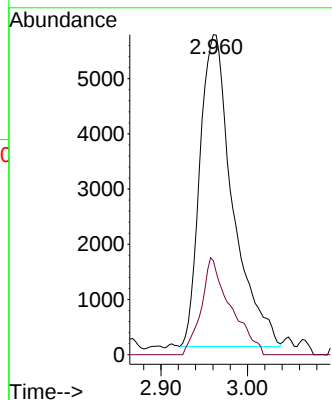
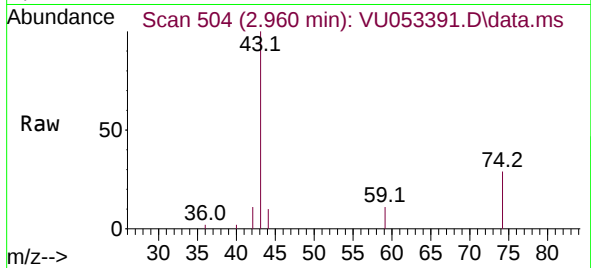




#15
Methyl Acetate
Concen: 4.449 ug/L
RT: 2.960 min Scan# 502
Delta R.T. 0.006 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

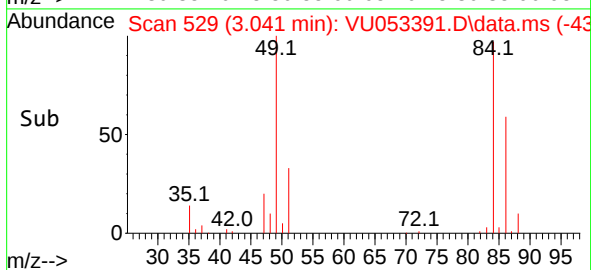
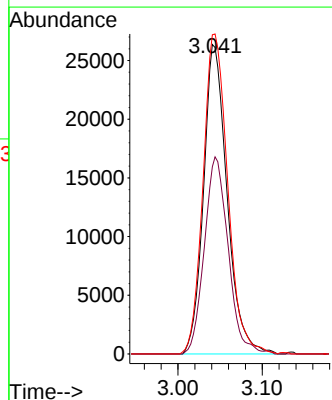
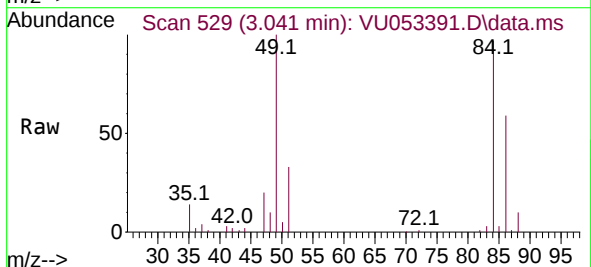
Instrument :
MSVOA_U
ClientSampleId :

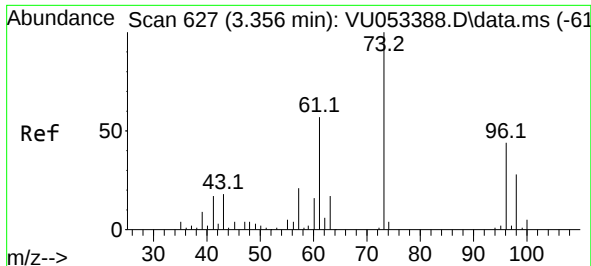
Tgt Ion: 43 Resp: 14834
Ion Ratio Lower Upper
43 100
74 27.7 20.8 31.2



#16
Methylene chloride
Concen: 4.552 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

Tgt Ion: 84 Resp: 51436
Ion Ratio Lower Upper
84 100
86 60.5 44.7 83.1
49 103.2 75.5 140.1





#17

Methyl tert-butyl Ether

Concen: 4.962 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU053391.D

Acq: 24 Mar 2023 14:23

Instrument :

MSVOA_U

ClientSampleId :

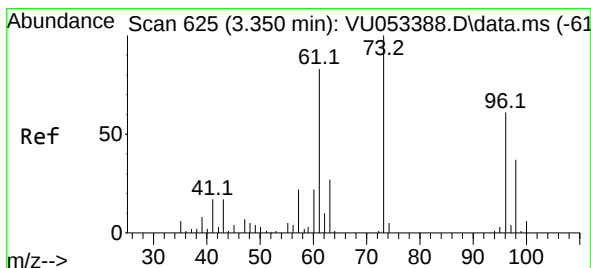
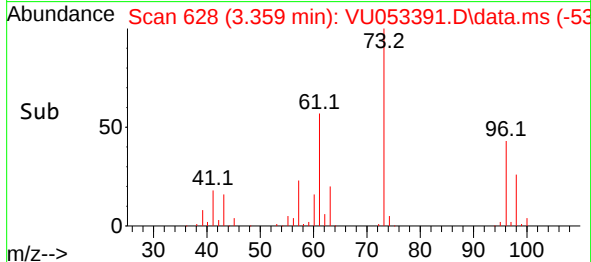
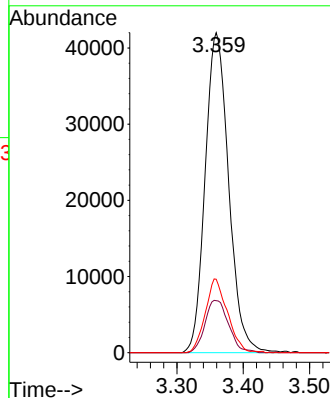
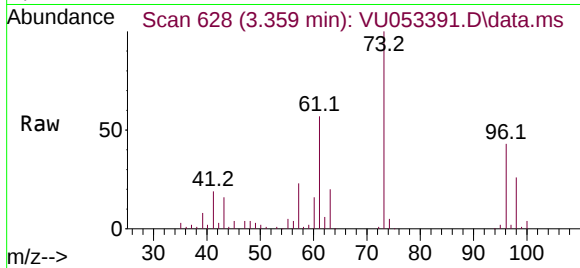
Tgt Ion: 73 Resp: 103500

Ion Ratio Lower Upper

73 100

43 16.4 13.9 20.9

57 21.8 17.0 25.6



#18

trans-1,2-Dichloroethene

Concen: 4.989 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.000 min

Lab File: VU053391.D

Acq: 24 Mar 2023 14:23

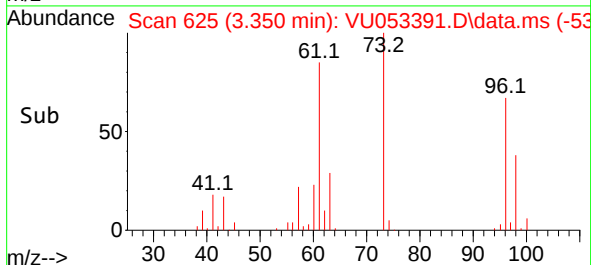
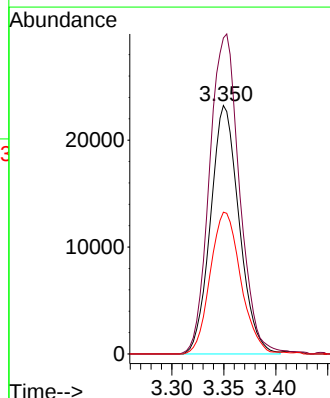
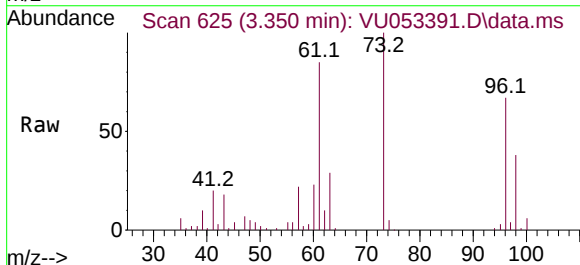
Tgt Ion: 96 Resp: 44596

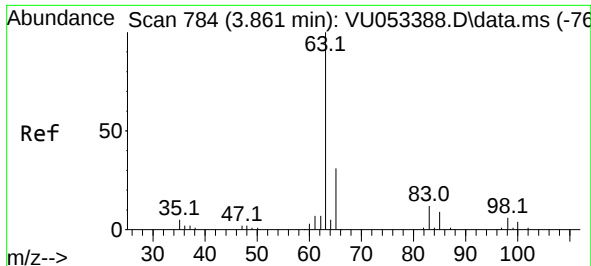
Ion Ratio Lower Upper

96 100

61 127.2 95.5 177.3

98 57.0 42.2 78.4





#19

1,1-Dichloroethane

Concen: 5.078 ug/L

RT: 3.867 min Scan# 784

Delta R.T. 0.006 min

Lab File: VU053391.D

Acq: 24 Mar 2023 14:23

Instrument :

MSVOA_U

ClientSampleId :

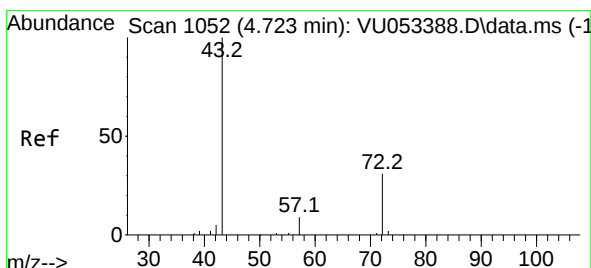
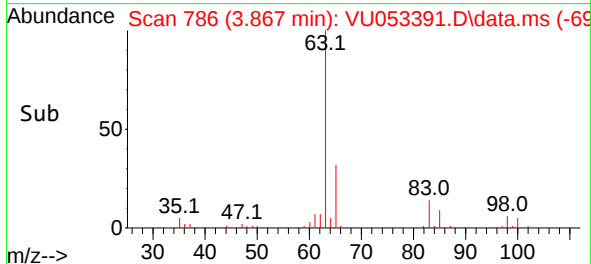
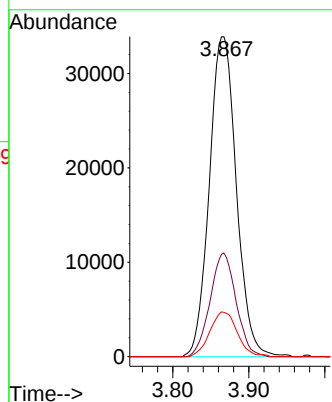
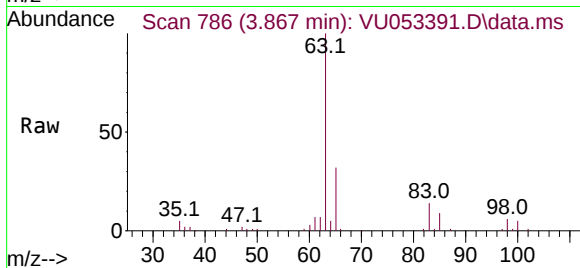
Tgt Ion: 63 Resp: 83617

Ion Ratio Lower Upper

63 100

65 32.4 21.7 40.3

83 13.8 8.1 15.1



#21

2-Butanone

Concen: 47.899 ug/L

RT: 4.719 min Scan# 1051

Delta R.T. -0.003 min

Lab File: VU053391.D

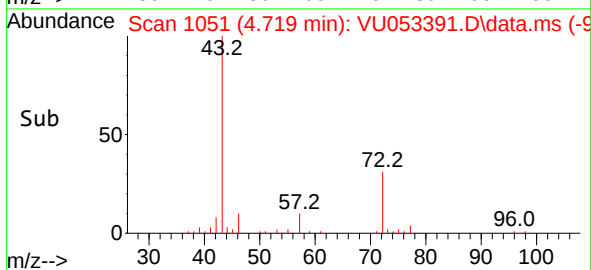
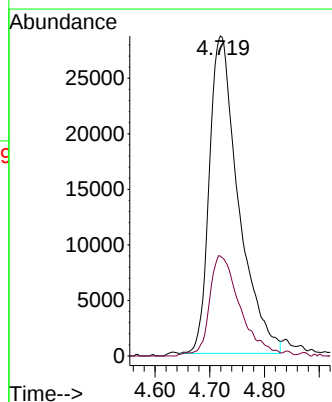
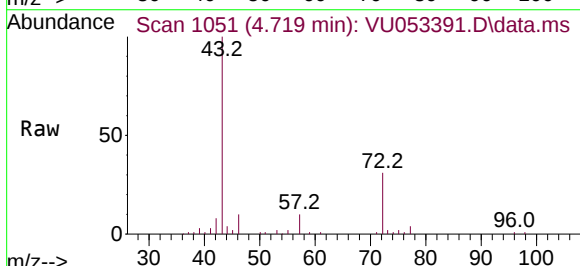
Acq: 24 Mar 2023 14:23

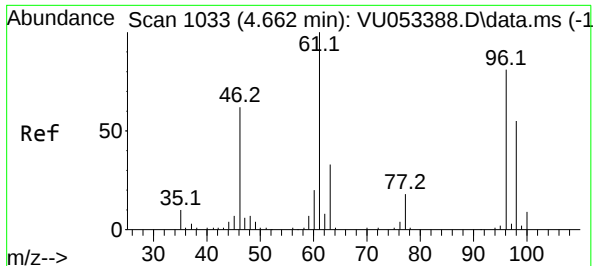
Tgt Ion: 43 Resp: 105717

Ion Ratio Lower Upper

43 100

72 33.1 16.2 48.6

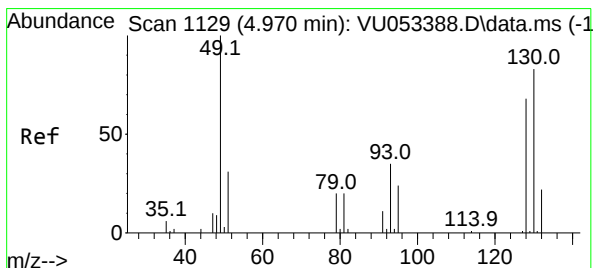
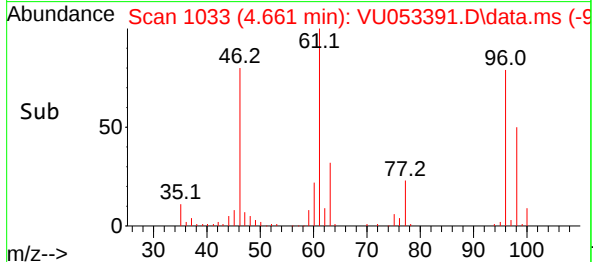
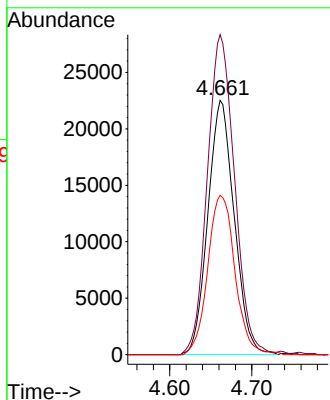
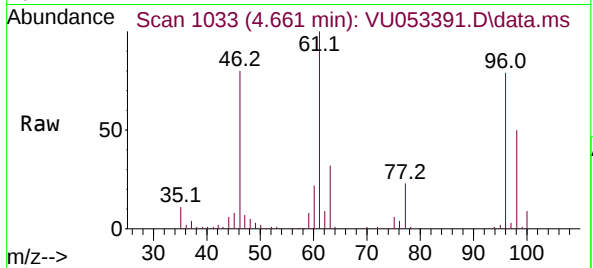




#22
cis-1,2-Dichloroethene
Concen: 4.185 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

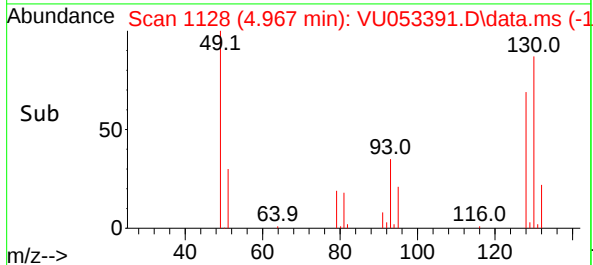
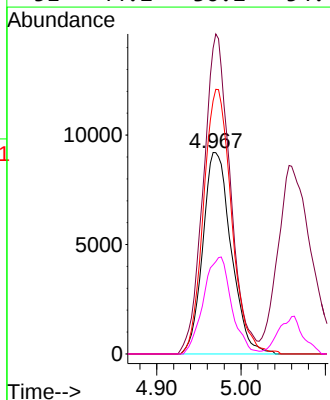
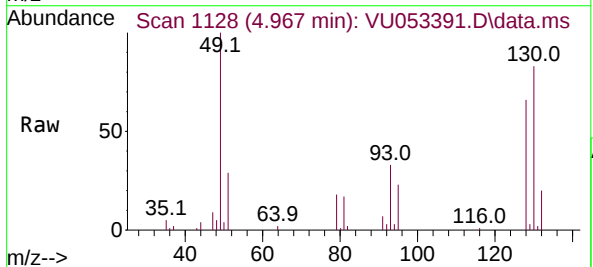
Instrument :
MSVOA_U
ClientSampleId :

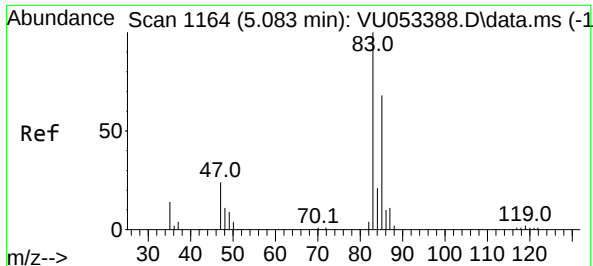
Tgt Ion: 96 Resp: 50390
Ion Ratio Lower Upper
96 100
61 125.9 86.6 160.8
98 62.7 47.7 88.5



#23
Bromochloromethane
Concen: 5.034 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

Tgt Ion:128 Resp: 21455
Ion Ratio Lower Upper
128 100
49 151.7 102.8 190.8
130 125.6 85.1 158.1
51 44.2 36.2 54.4





#25

Chloroform

Concen: 4.984 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053391.D

Acq: 24 Mar 2023 14:23

Instrument :

MSVOA_U

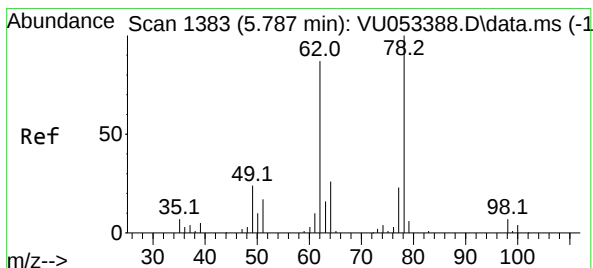
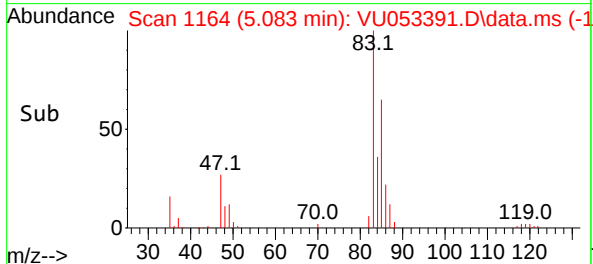
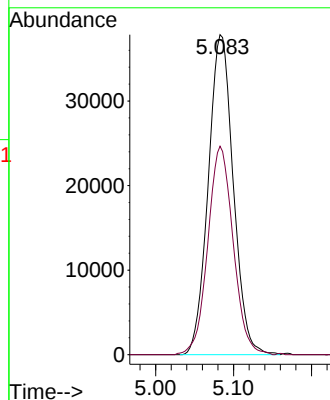
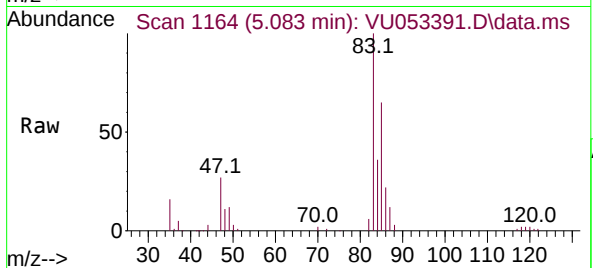
ClientSampleId :

Tgt Ion: 83 Resp: 84413

Ion Ratio Lower Upper

83 100

85 65.2 47.3 87.9



#27

1,2-Dichloroethane

Concen: 5.065 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VU053391.D

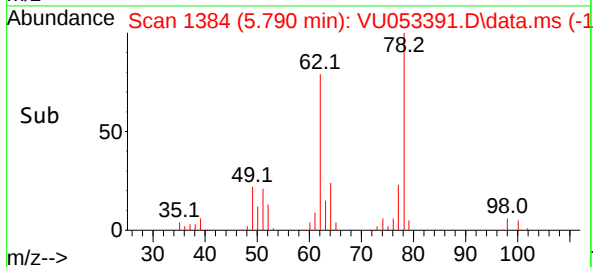
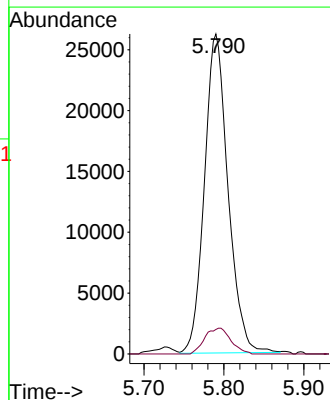
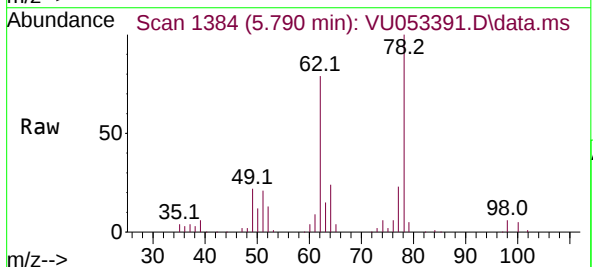
Acq: 24 Mar 2023 14:23

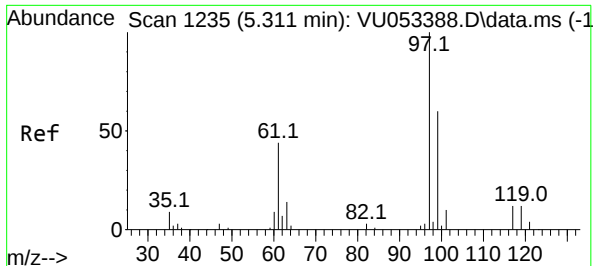
Tgt Ion: 62 Resp: 53740

Ion Ratio Lower Upper

62 100

98 7.7 6.4 9.6

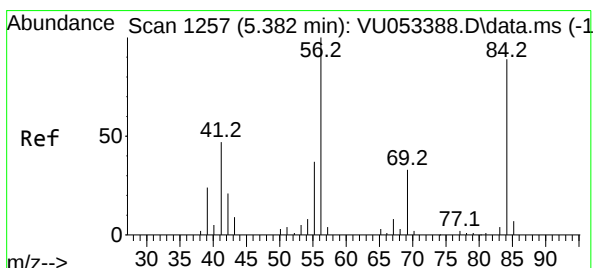
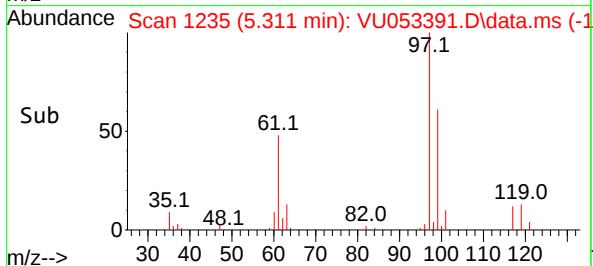
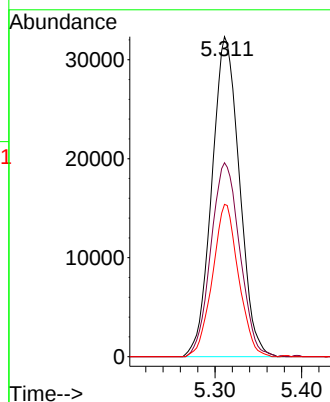
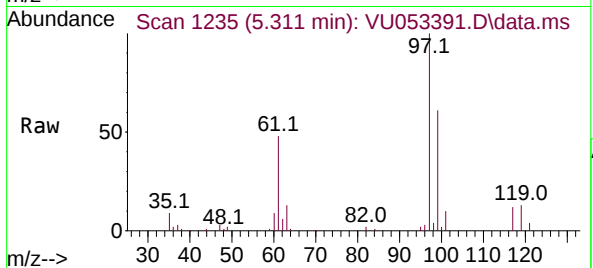




#29
1,1,1-Trichloroethane
Concen: 5.121 ug/L
RT: 5.311 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

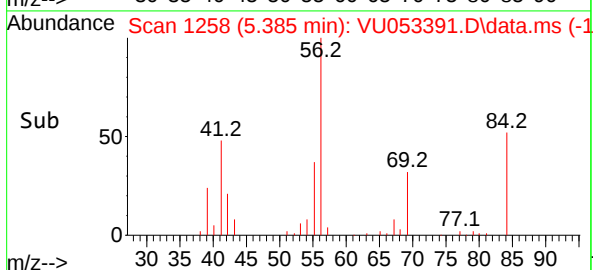
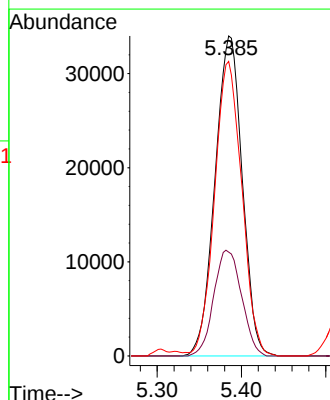
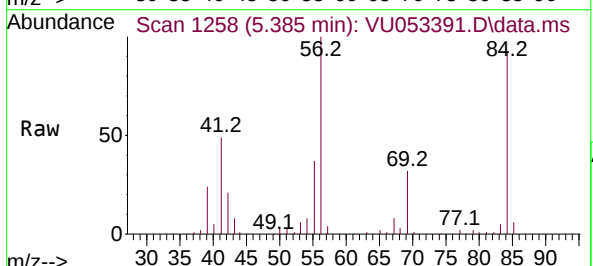
Instrument :
MSVOA_U
ClientSampleId :

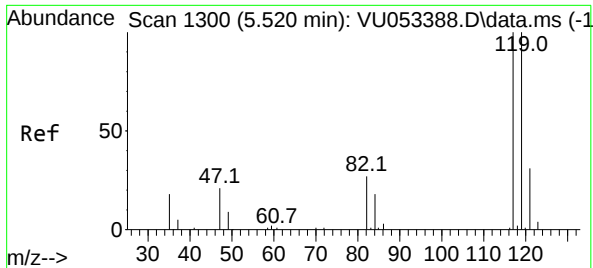
Tgt Ion: 97	Resp: 71493
Ion Ratio	Lower Upper
97 100	
99 63.5	49.9 74.9
61 45.0	35.7 53.5



#30
Cyclohexane
Concen: 5.133 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

Tgt Ion: 56	Resp: 76354
Ion Ratio	Lower Upper
56 100	
69 33.6	26.1 39.1
84 92.0	75.6 113.4

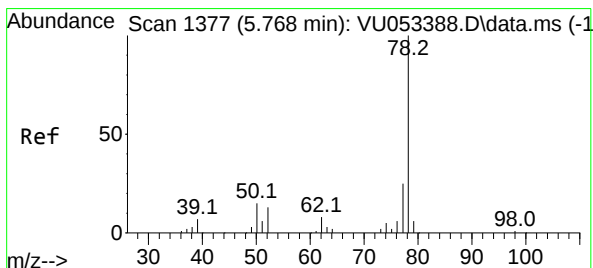
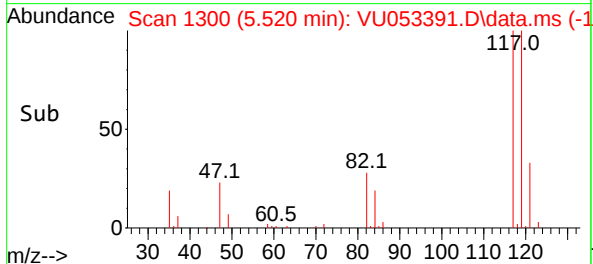
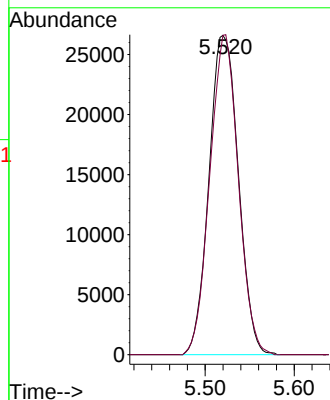
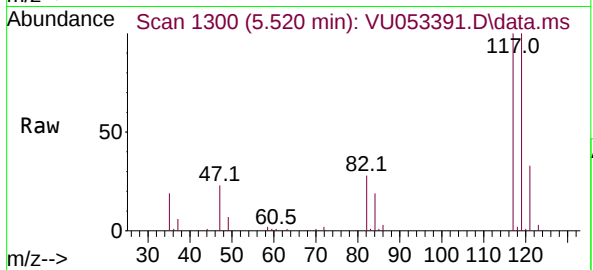




#31
Carbon tetrachloride
Concen: 5.168 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

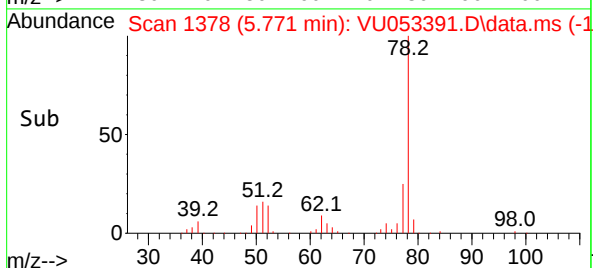
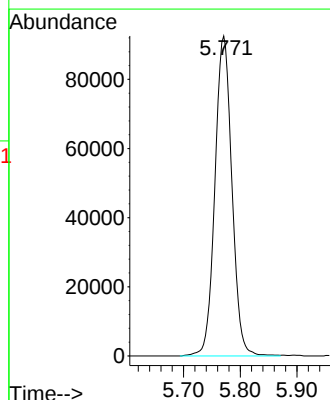
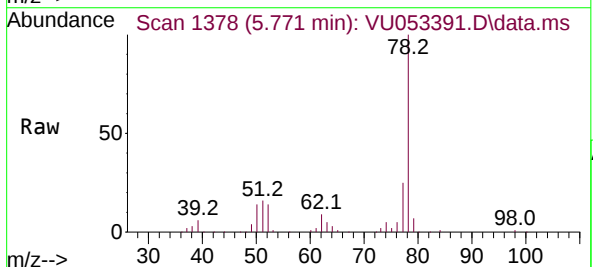
Instrument :
MSVOA_U
ClientSampleId :

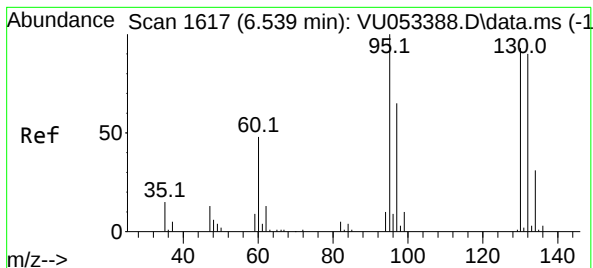
Tgt Ion:117 Resp: 61043
Ion Ratio Lower Upper
117 100
119 97.0 77.7 116.5



#33
Benzene
Concen: 5.088 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

Tgt Ion: 78 Resp: 192759





#34

Trichloroethene

Concen: 5.128 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053391.D

Acq: 24 Mar 2023 14:23

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 51737

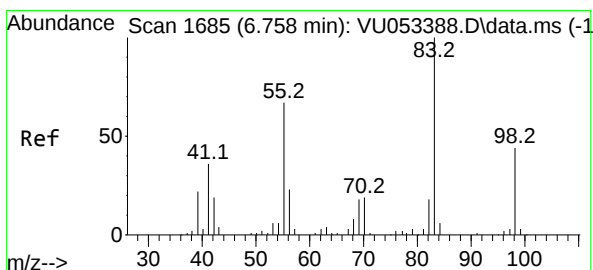
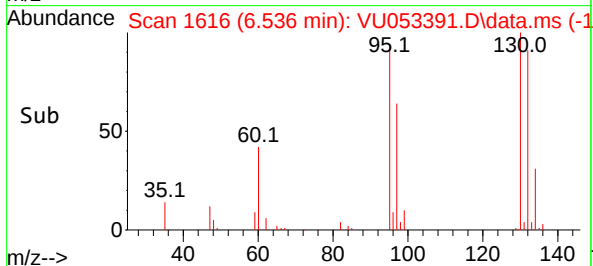
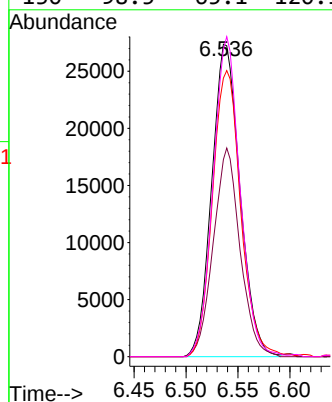
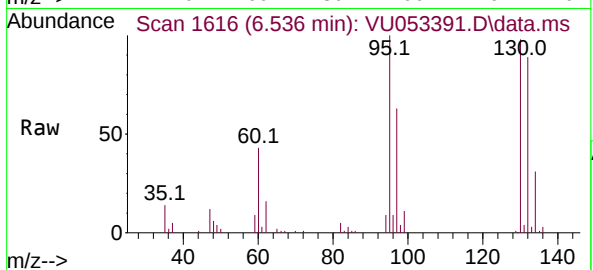
Ion Ratio Lower Upper

95 100

97 63.1 45.3 84.1

132 89.2 62.8 116.6

130 98.5 65.1 120.9



#35

Methylcyclohexane

Concen: 5.155 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VU053391.D

Acq: 24 Mar 2023 14:23

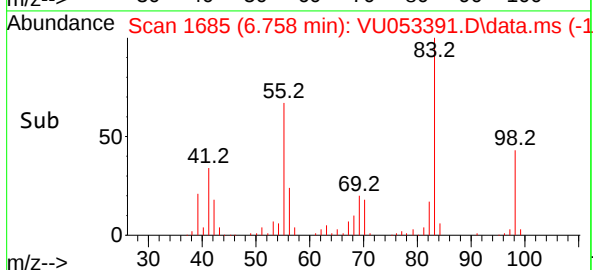
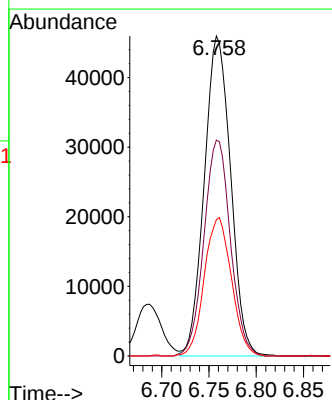
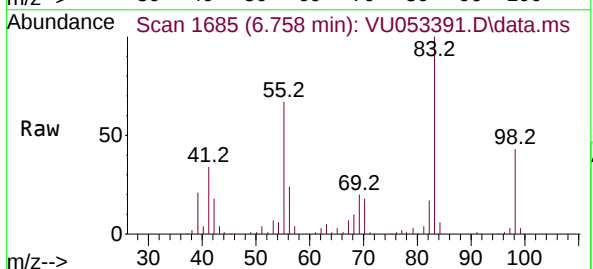
Tgt Ion: 83 Resp: 89245

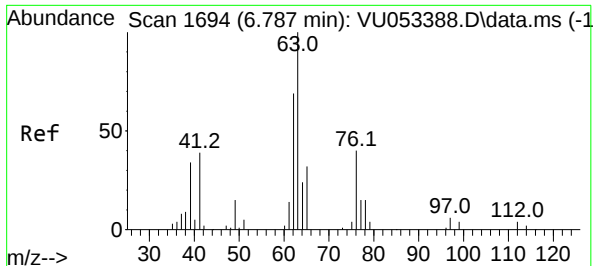
Ion Ratio Lower Upper

83 100

55 67.7 54.9 82.3

98 44.4 34.9 52.3





#37

1,2-Dichloropropane

Concen: 5.007 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053391.D

Acq: 24 Mar 2023 14:23

Instrument :

MSVOA_U

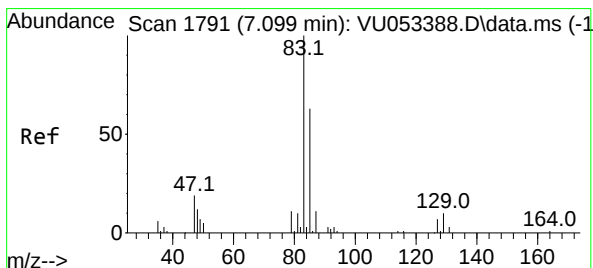
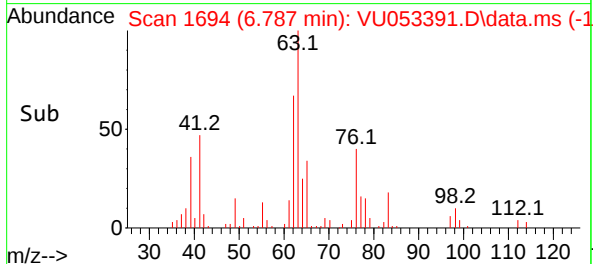
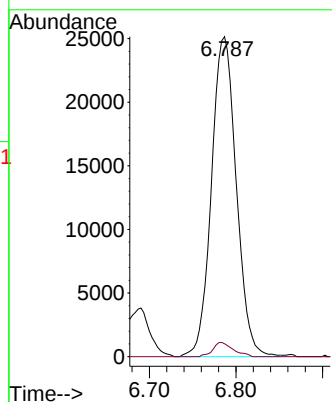
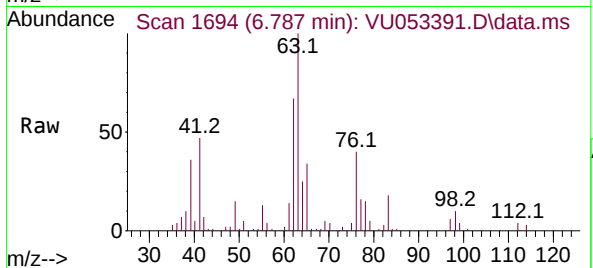
ClientSampleId :

Tgt Ion: 63 Resp: 50095

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.4



#38

Bromodichloromethane

Concen: 5.180 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.003 min

Lab File: VU053391.D

Acq: 24 Mar 2023 14:23

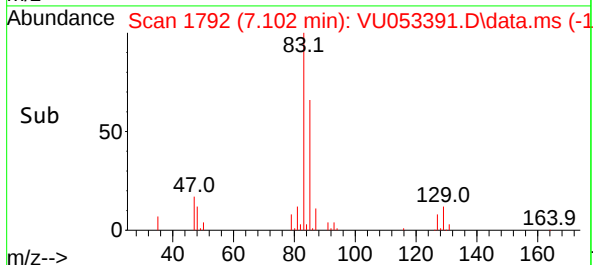
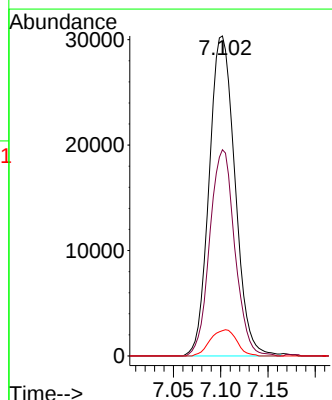
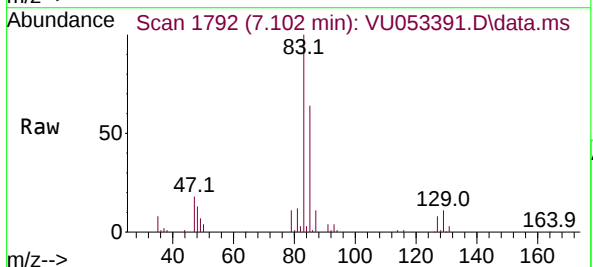
Tgt Ion: 83 Resp: 57549

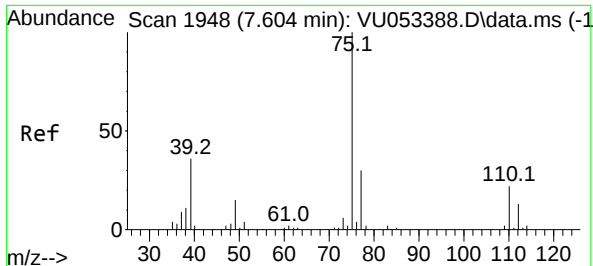
Ion Ratio Lower Upper

83 100

85 64.4 44.0 81.8

127 7.9 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 5.083 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU053391.D

Acq: 24 Mar 2023 14:23

Instrument :

MSVOA_U

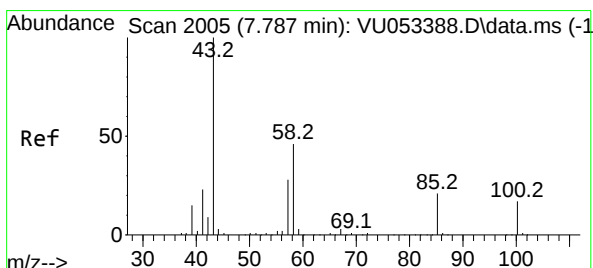
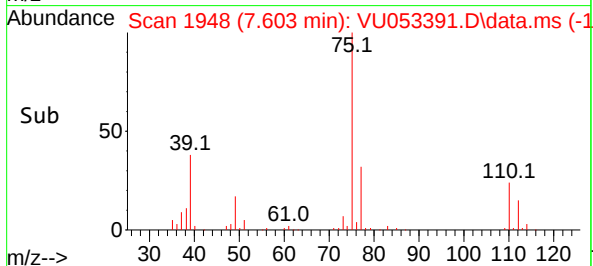
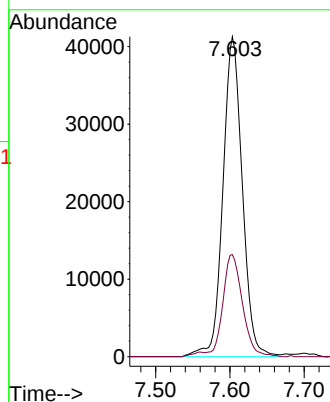
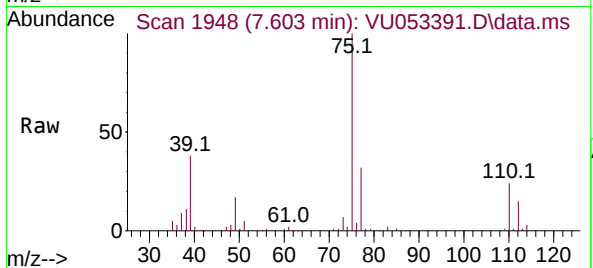
ClientSampleId :

Tgt Ion: 75 Resp: 75121

Ion Ratio Lower Upper

75 100

77 31.9 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 50.838 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VU053391.D

Acq: 24 Mar 2023 14:23

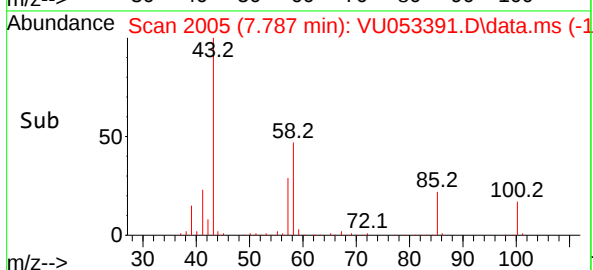
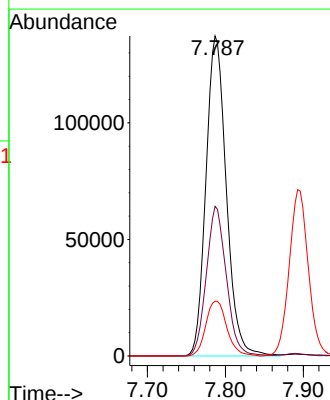
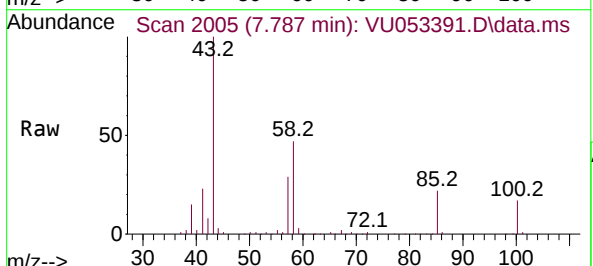
Tgt Ion: 43 Resp: 248884

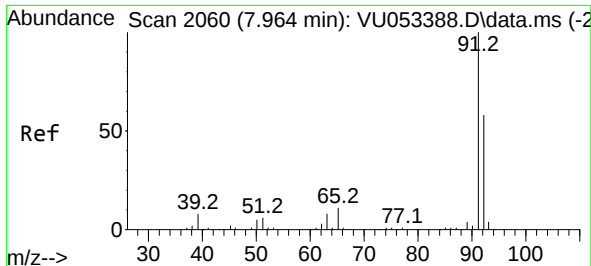
Ion Ratio Lower Upper

43 100

58 45.9 37.4 56.0

100 17.7 14.0 21.0





#42

Toluene

Concen: 5.207 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU053391.D

Acq: 24 Mar 2023 14:23

Instrument :

MSVOA_U

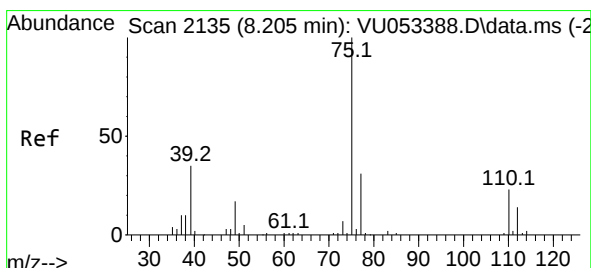
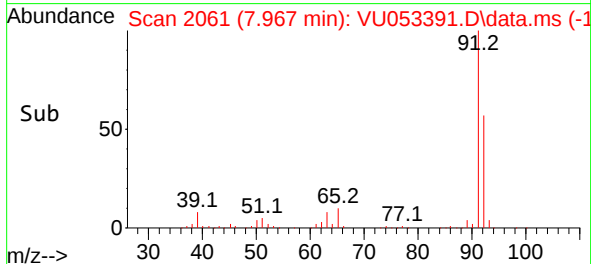
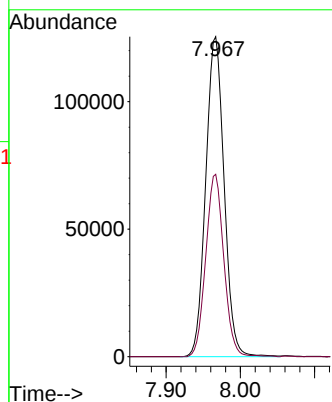
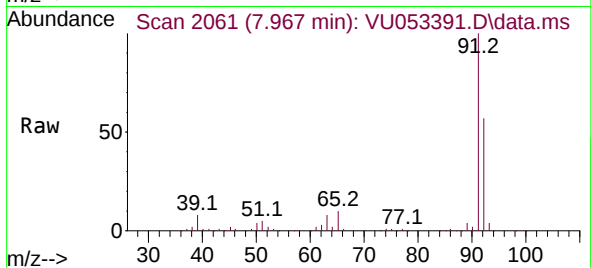
ClientSampleId :

Tgt Ion: 91 Resp: 215566

Ion Ratio Lower Upper

91 100

92 57.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.279 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053391.D

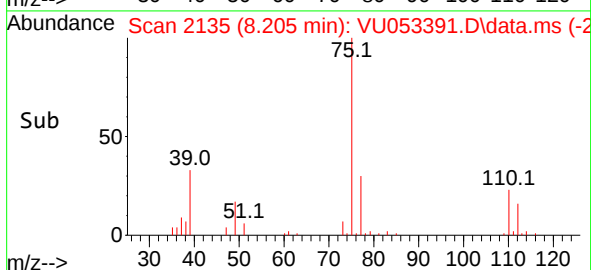
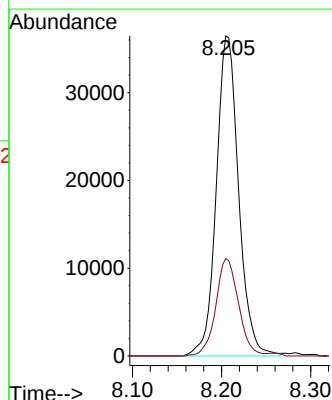
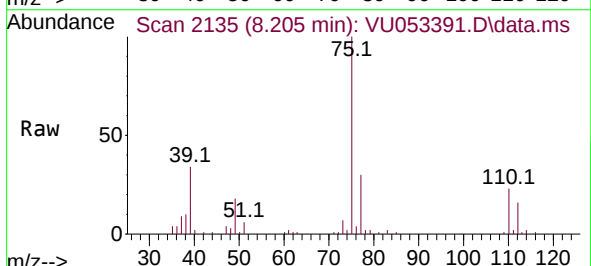
Acq: 24 Mar 2023 14:23

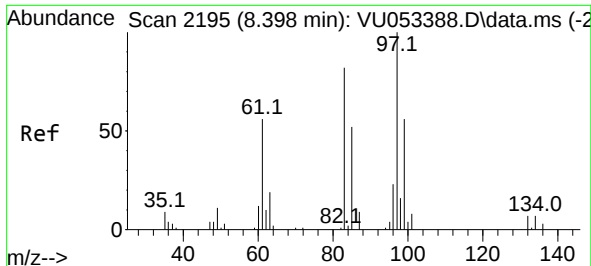
Tgt Ion: 75 Resp: 63477

Ion Ratio Lower Upper

75 100

77 30.5 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 4.912 ug/L

RT: 8.394 min Scan# 2195

Delta R.T. -0.003 min

Lab File: VU053391.D

Acq: 24 Mar 2023 14:23

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 34888

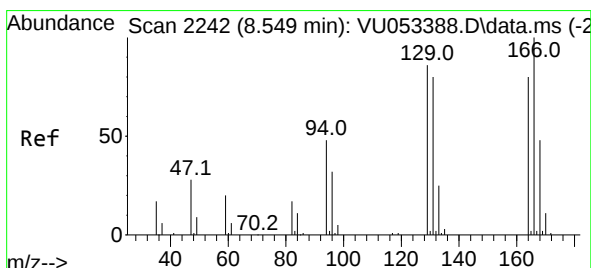
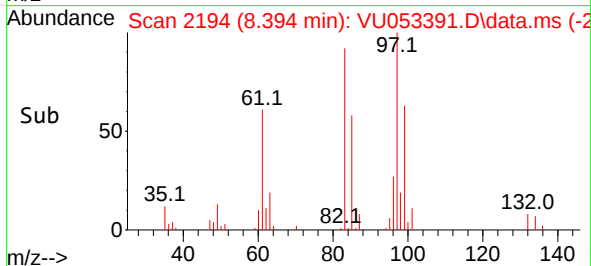
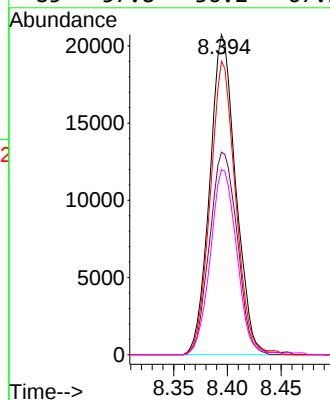
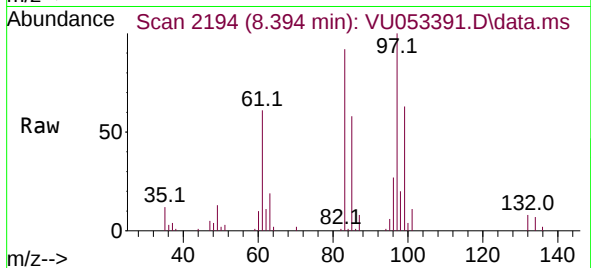
Ion Ratio Lower Upper

97 100

99 63.3 38.9 72.2

83 91.7 57.6 107.0

85 57.8 36.2 67.2



#47

Tetrachloroethene

Concen: 4.976 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. -0.000 min

Lab File: VU053391.D

Acq: 24 Mar 2023 14:23

Tgt Ion: 164 Resp: 36893

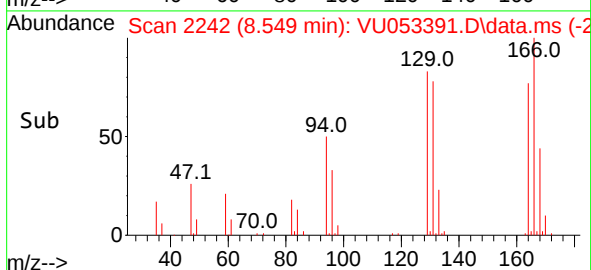
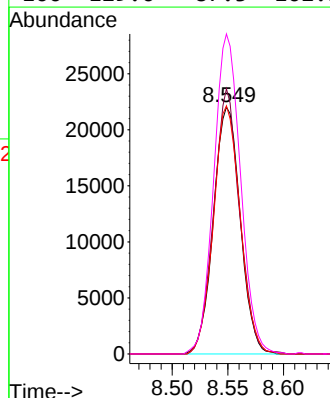
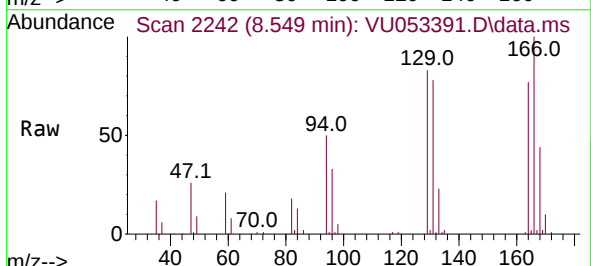
Ion Ratio Lower Upper

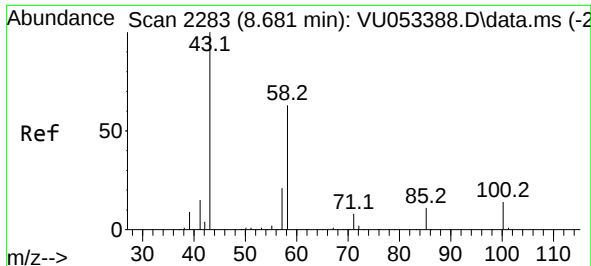
164 100

129 107.4 74.8 138.8

131 100.5 70.1 130.1

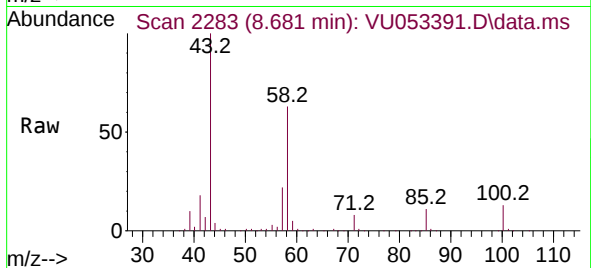
166 129.6 87.3 162.1



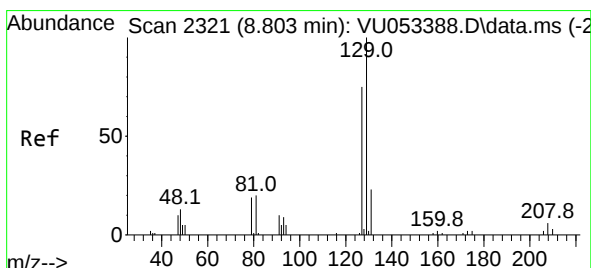
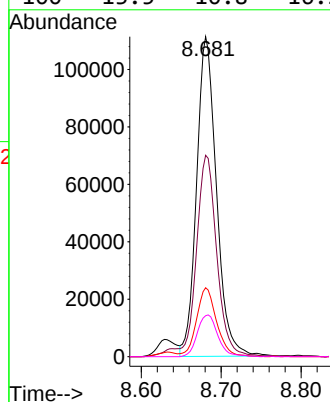
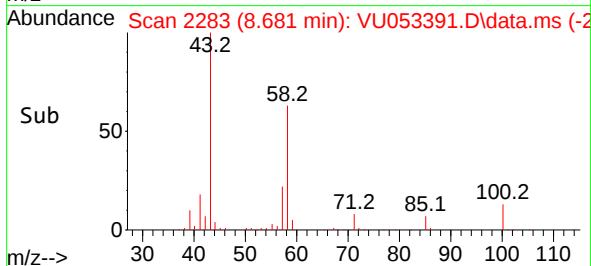


#48
2-Hexanone
Concen: 53.269 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

Instrument :
MSVOA_U
ClientSampleId :

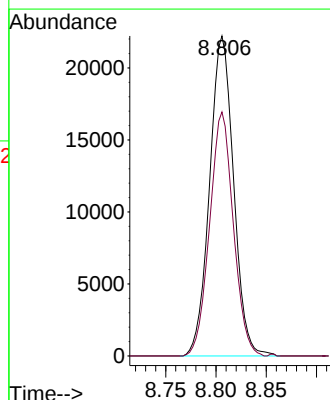
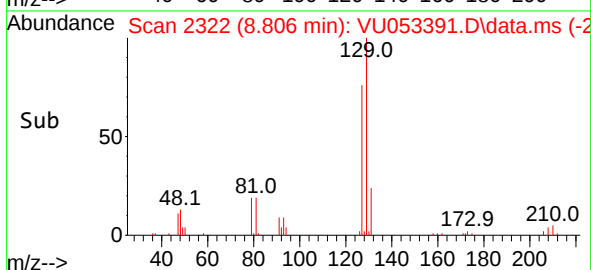
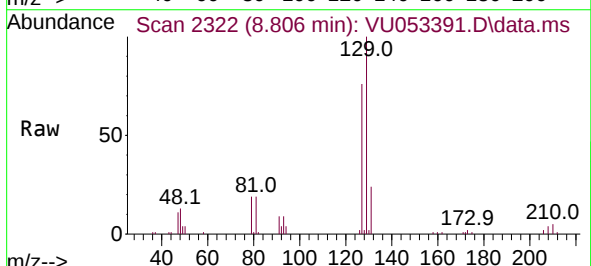


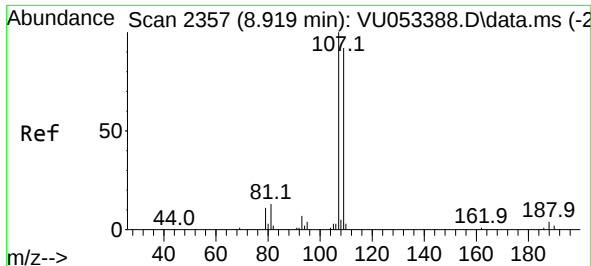
Tgt Ion:	43	Resp:	192828
Ion	Ratio	Lower	Upper
43	100		
58	65.9	52.8	79.2
57	22.0	17.1	25.7
100	13.5	10.8	16.2



#49
Dibromochloromethane
Concen: 5.249 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

Tgt Ion:	129	Resp:	36872
Ion	Ratio	Lower	Upper
129	100		
127	76.3	52.2	97.0

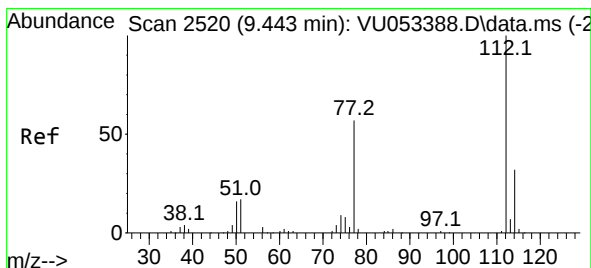
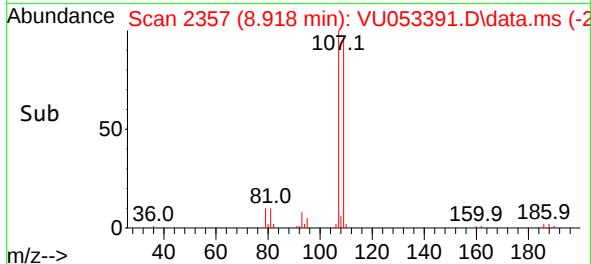
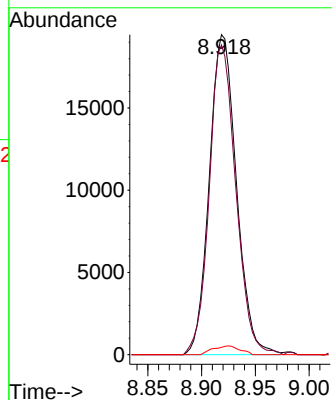
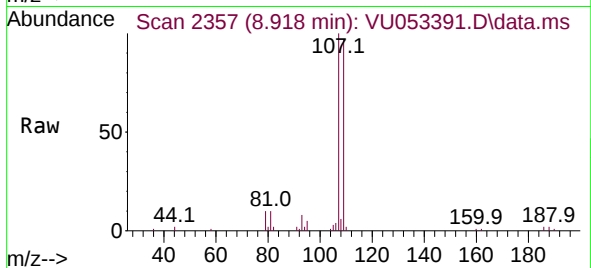




#50
1,2-Dibromoethane
Concen: 4.973 ug/L
RT: 8.918 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

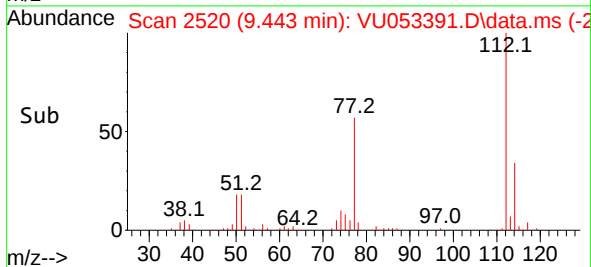
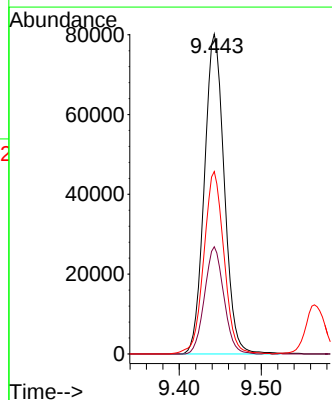
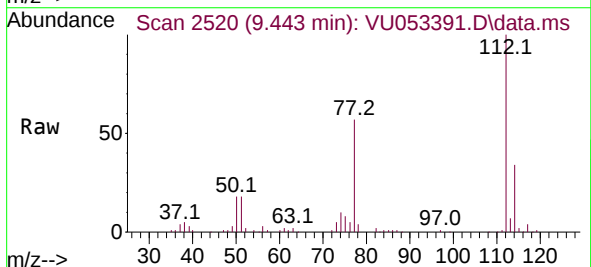
Instrument :
MSVOA_U
ClientSampleId :

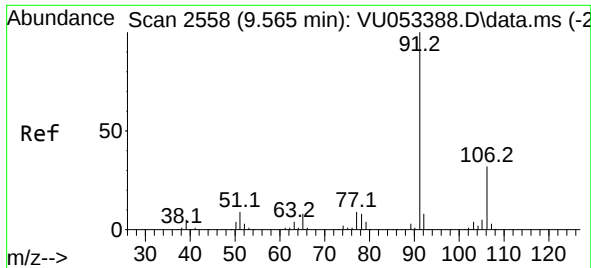
Tgt Ion:107 Resp: 34117
Ion Ratio Lower Upper
107 100
109 96.8 64.7 120.1
188 2.3 3.0 4.6#



#51
Chlorobenzene
Concen: 5.176 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

Tgt Ion:112 Resp: 135155
Ion Ratio Lower Upper
112 100
114 33.5 22.1 41.1
77 57.0 45.8 68.6

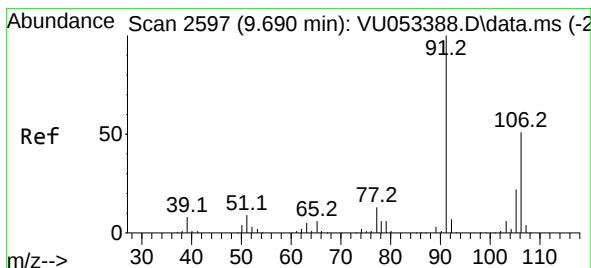
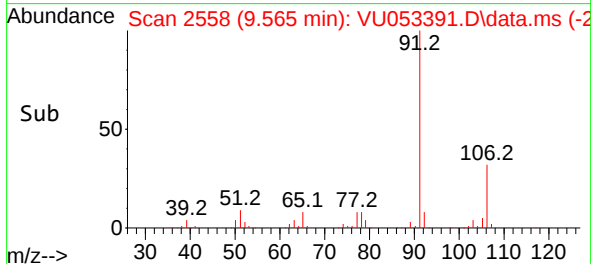
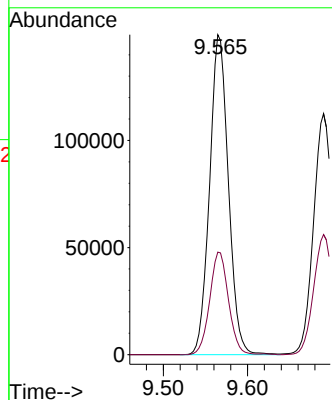
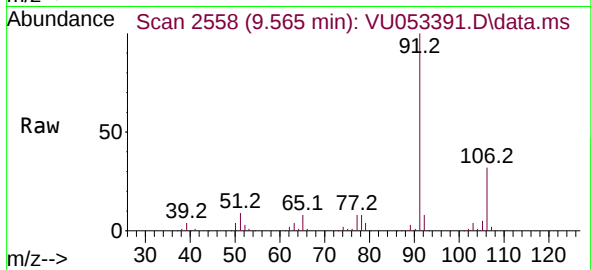




#52
Ethylbenzene
Concen: 5.131 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

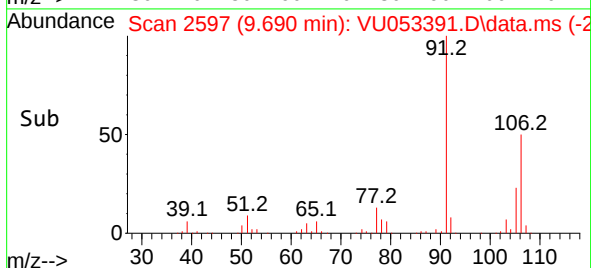
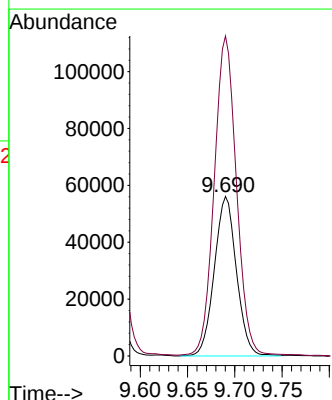
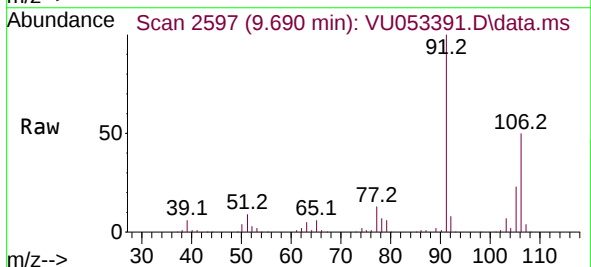
Instrument :
MSVOA_U
ClientSampleId :

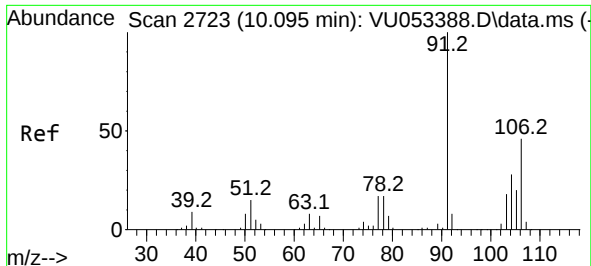
Tgt Ion: 91 Resp: 231568
Ion Ratio Lower Upper
91 100
106 32.1 22.5 41.9



#53
m,p-Xylene
Concen: 5.305 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

Tgt Ion: 106 Resp: 91249
Ion Ratio Lower Upper
106 100
91 200.6 138.8 257.8

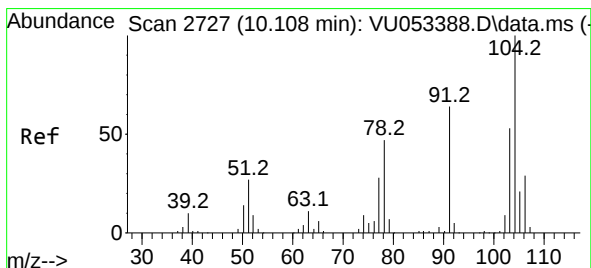
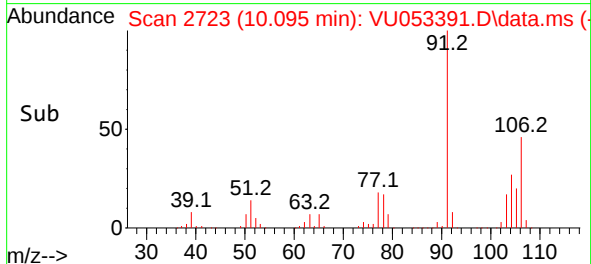
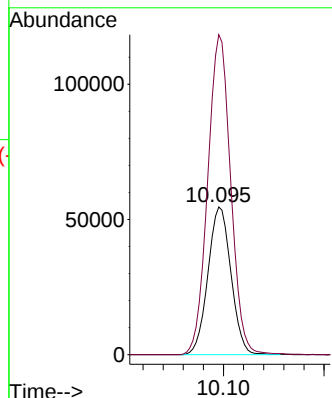
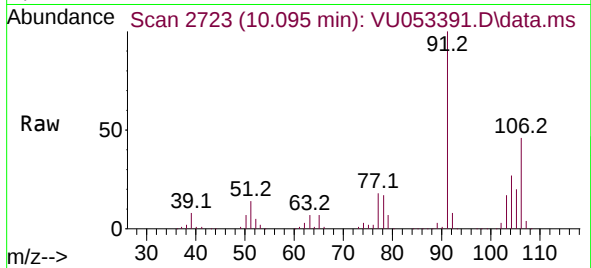




#54
o-Xylene
Concen: 5.321 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

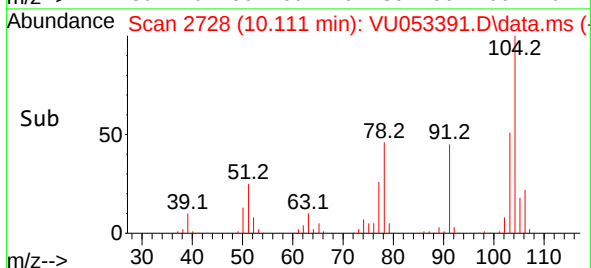
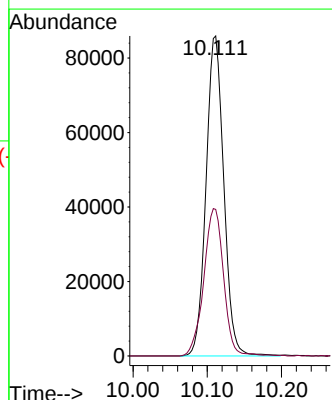
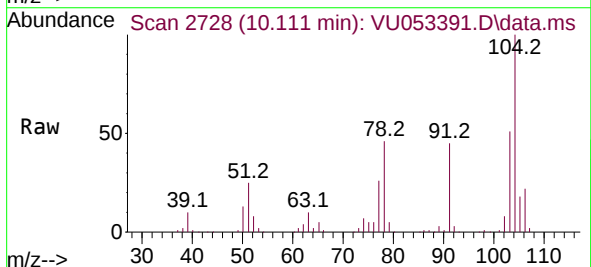
Instrument :
MSVOA_U
ClientSampleId :

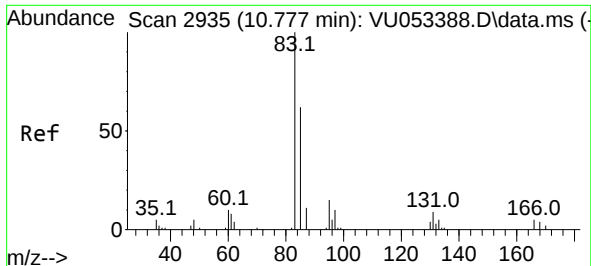
Tgt Ion:106 Resp: 86849
Ion Ratio Lower Upper
106 100
91 216.6 150.8 280.0



#55
Styrene
Concen: 5.321 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

Tgt Ion:104 Resp: 142609
Ion Ratio Lower Upper
104 100
78 45.8 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.100 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU053391.D

Acq: 24 Mar 2023 14:23

Instrument :

MSVOA_U

ClientSampleId :

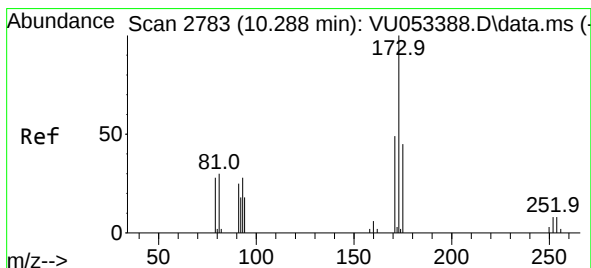
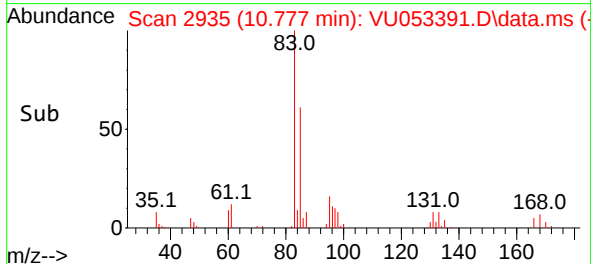
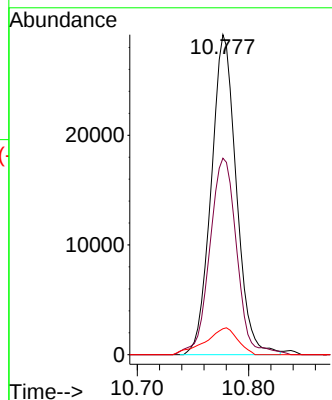
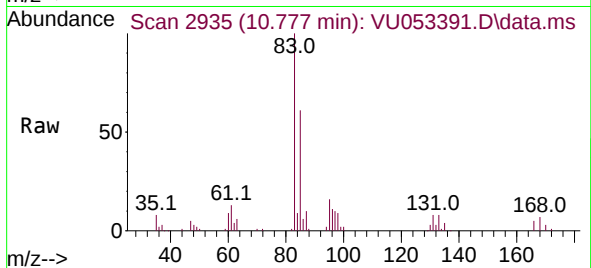
Tgt Ion: 83 Resp: 45747

Ion Ratio Lower Upper

83 100

85 61.4 43.8 81.4

131 8.1 7.2 10.8



#59

Bromoform

Concen: 5.049 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU053391.D

Acq: 24 Mar 2023 14:23

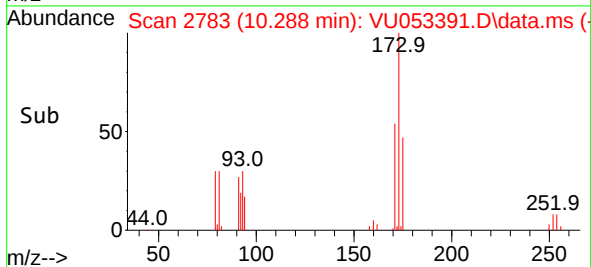
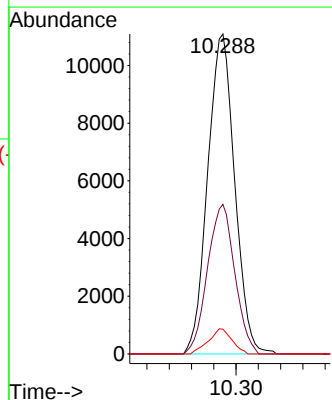
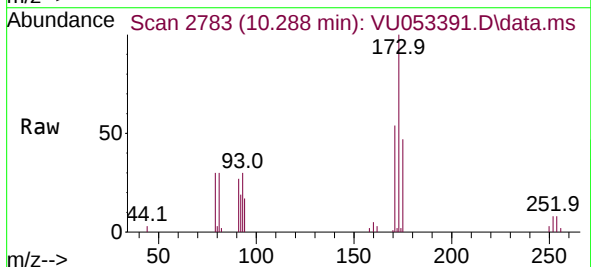
Tgt Ion:173 Resp: 18646

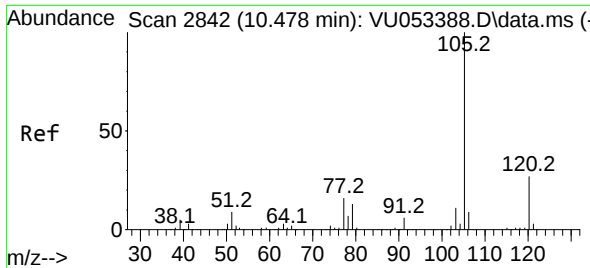
Ion Ratio Lower Upper

173 100

175 47.1 39.9 59.9

254 6.8 6.6 9.8

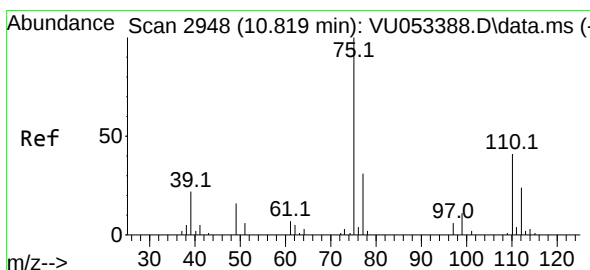
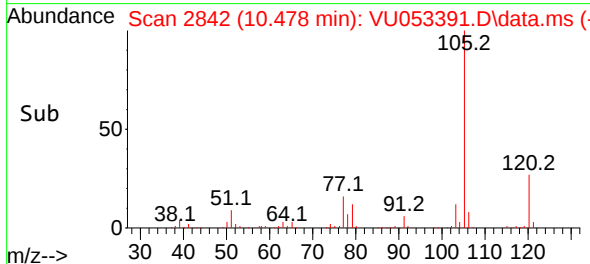
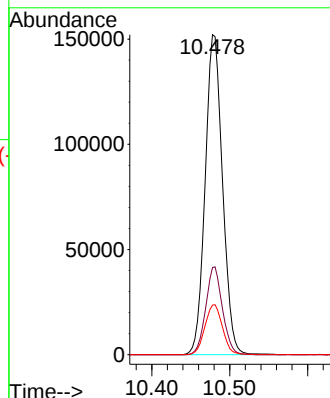
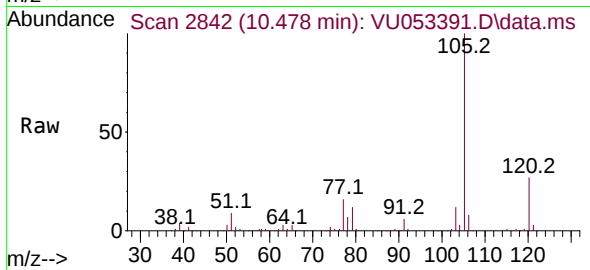




#60
Isopropylbenzene
Concen: 5.412 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

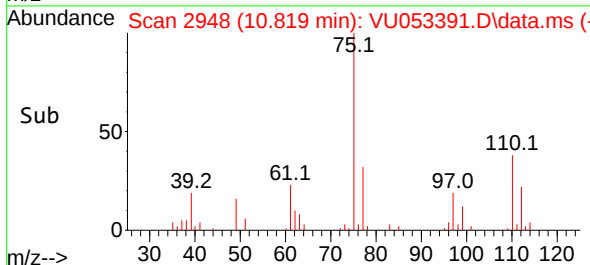
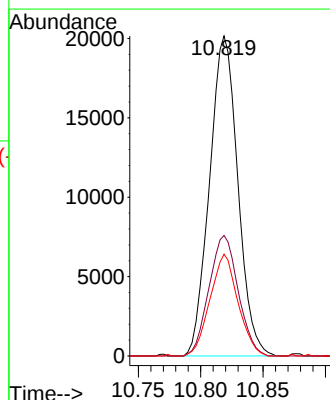
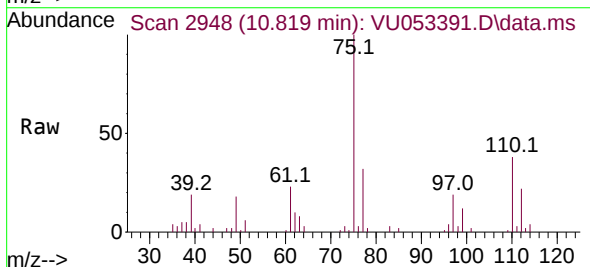
Instrument :
MSVOA_U
ClientSampleId :

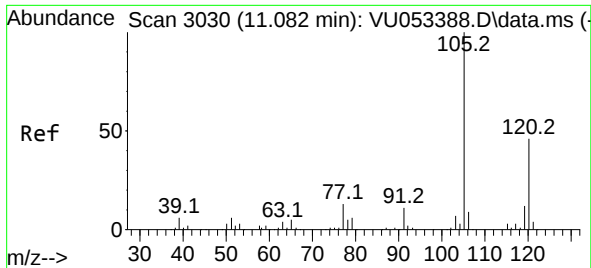
Tgt Ion:105 Resp: 235793
Ion Ratio Lower Upper
105 100
120 26.4 21.5 32.3
77 15.8 13.0 19.4



#61
1,2,3-Trichloropropane
Concen: 5.362 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

Tgt Ion: 75 Resp: 31867
Ion Ratio Lower Upper
75 100
110 38.7 30.6 46.0
77 31.4 26.1 39.1





#62

1,3,5-Trimethylbenzene

Concen: 5.382 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU053391.D

Acq: 24 Mar 2023 14:23

Instrument :

MSVOA_U

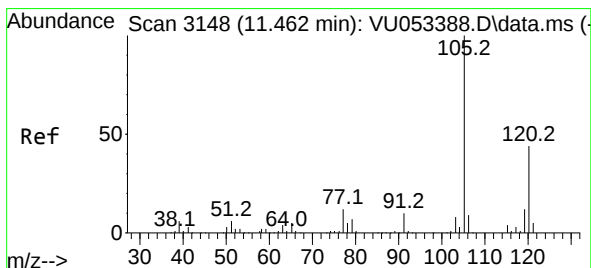
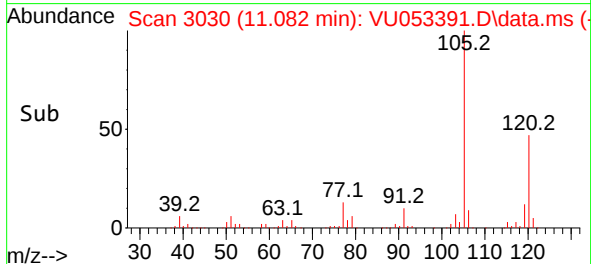
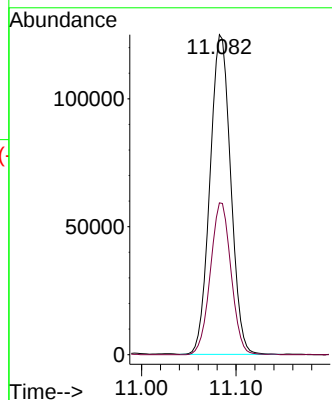
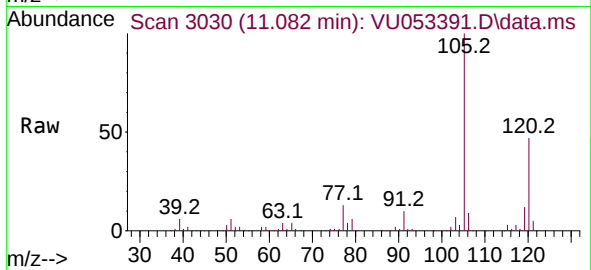
ClientSampleId :

Tgt Ion:105 Resp: 190263

Ion Ratio Lower Upper

105 100

120 47.3 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 5.437 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU053391.D

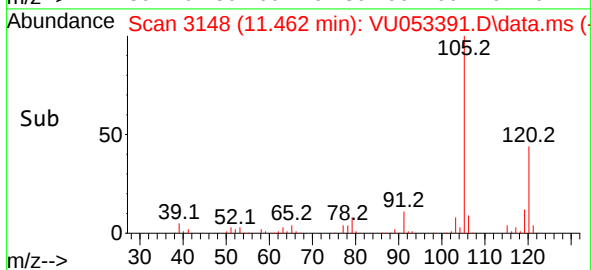
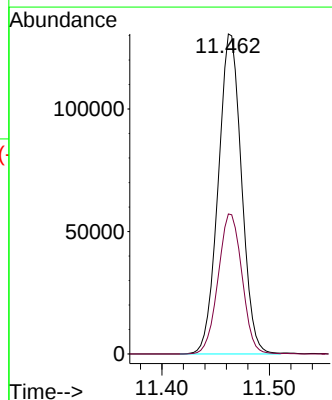
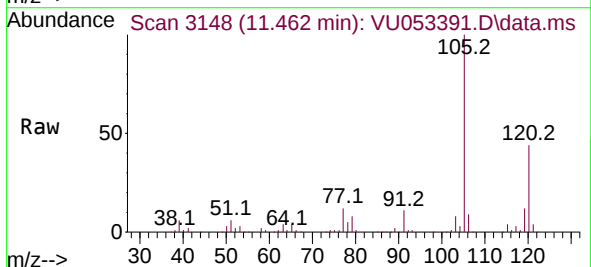
Acq: 24 Mar 2023 14:23

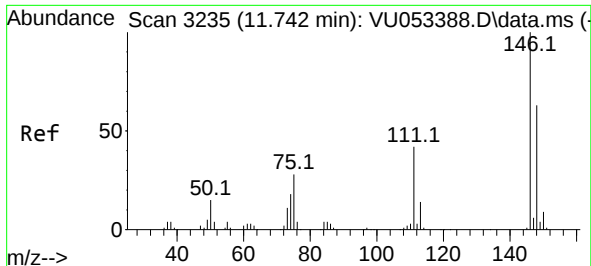
Tgt Ion:105 Resp: 196846

Ion Ratio Lower Upper

105 100

120 44.8 35.4 53.0

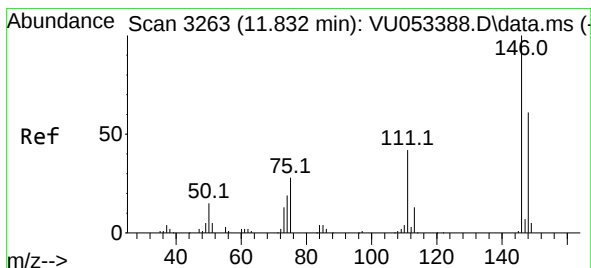
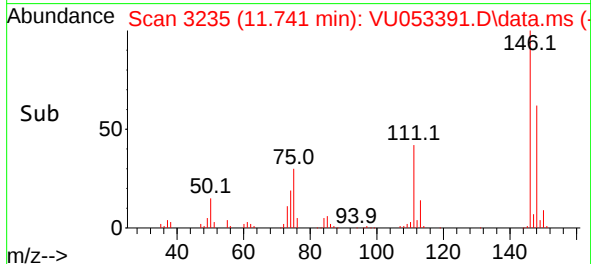
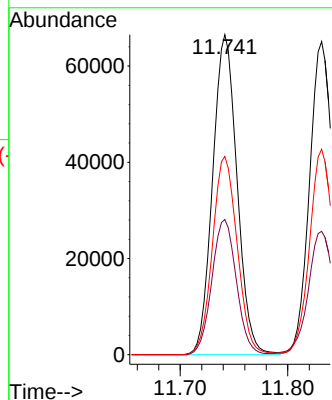
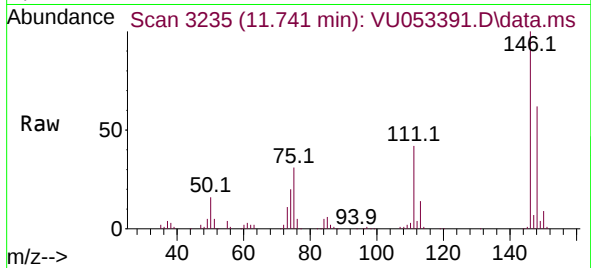




#64
1,3-Dichlorobenzene
Concen: 5.477 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

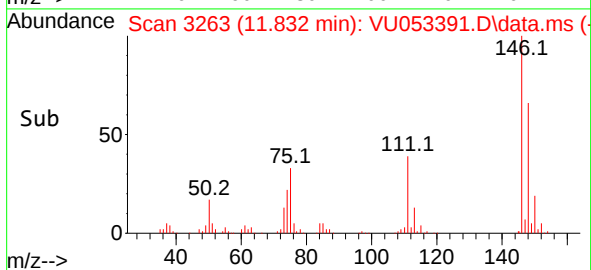
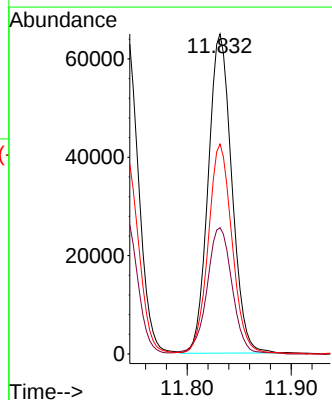
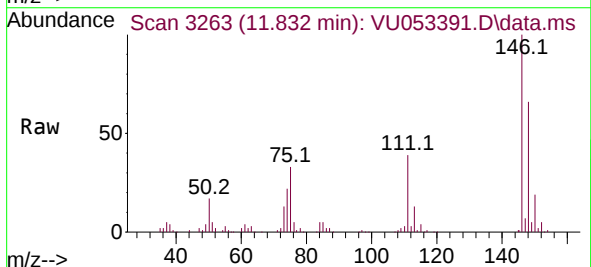
Instrument :
MSVOA_U
ClientSampleId :

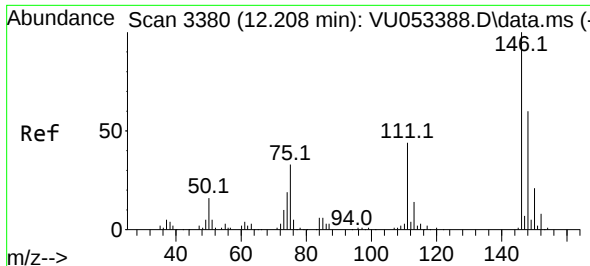
Tgt Ion:146 Resp: 104905
Ion Ratio Lower Upper
146 100
111 42.3 29.4 54.6
148 61.9 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.319 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

Tgt Ion:146 Resp: 102295
Ion Ratio Lower Upper
146 100
111 39.4 29.8 55.4
148 65.6 43.0 80.0





#67

1,2-Dichlorobenzene

Concen: 5.357 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053391.D

Acq: 24 Mar 2023 14:23

Instrument :

MSVOA_U

ClientSampleId :

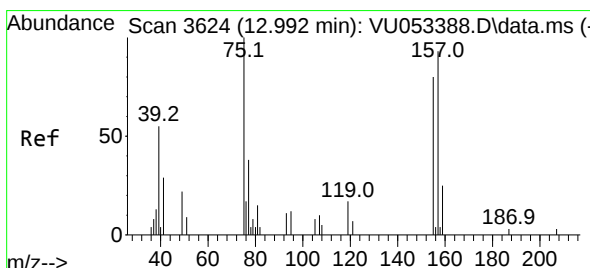
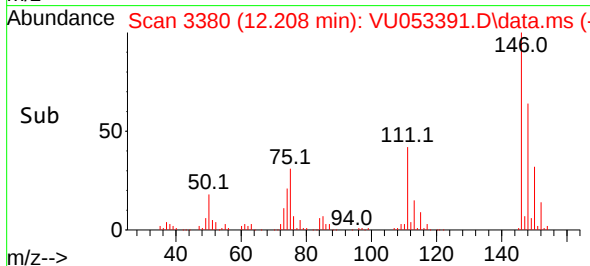
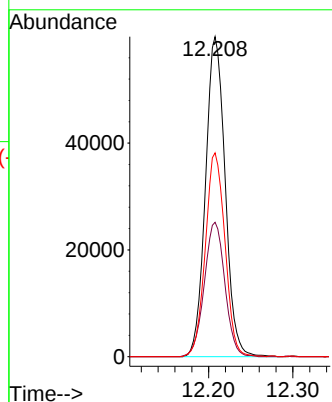
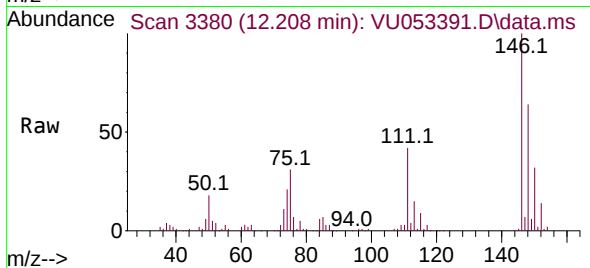
Tgt Ion:146 Resp: 97271

Ion Ratio Lower Upper

146 100

111 42.0 35.0 52.6

148 63.7 48.2 72.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.365 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU053391.D

Acq: 24 Mar 2023 14:23

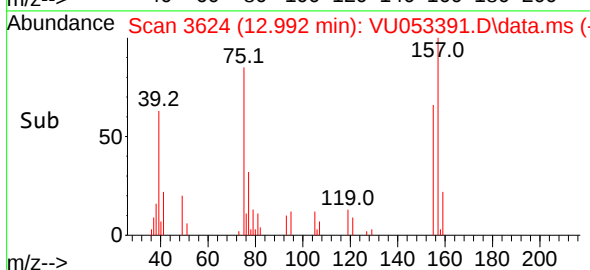
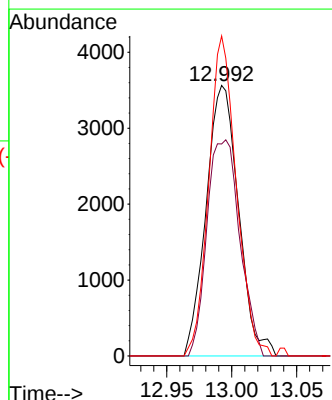
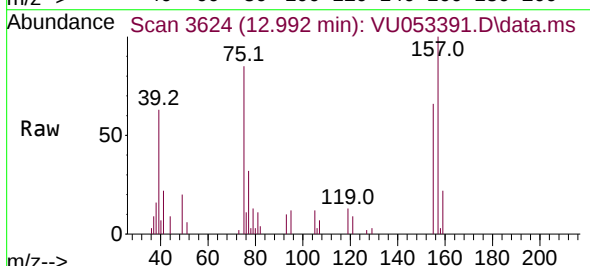
Tgt Ion: 75 Resp: 6182

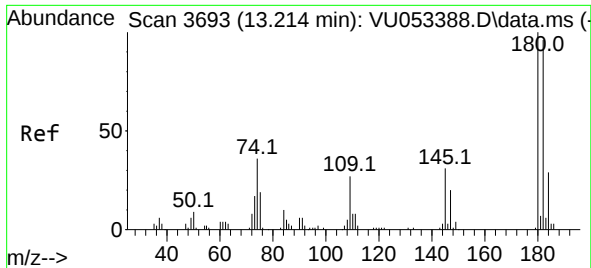
Ion Ratio Lower Upper

75 100

155 78.4 63.9 95.9

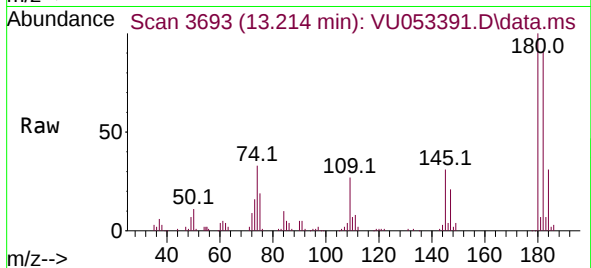
157 118.3 74.1 111.1#



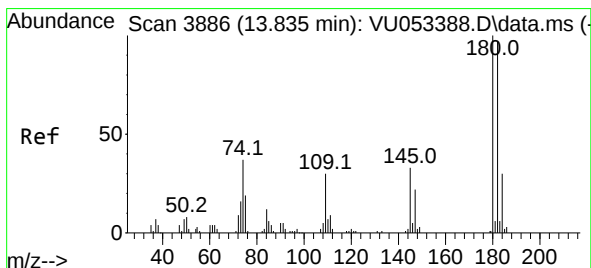
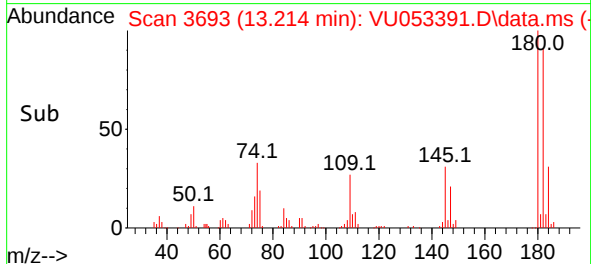
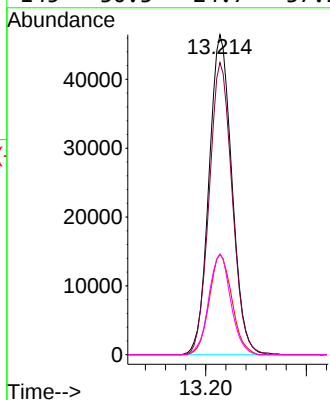


#69
 1,3,5-Trichlorobenzene
 Concen: 5.499 ug/L
 RT: 13.214 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VU053391.D
 Acq: 24 Mar 2023 14:23

Instrument :
 MSVOA_U
 ClientSampleId :

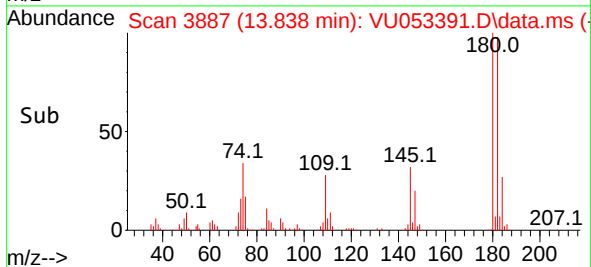
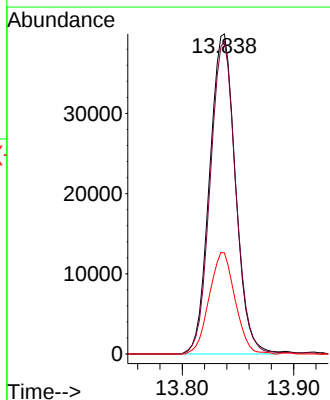
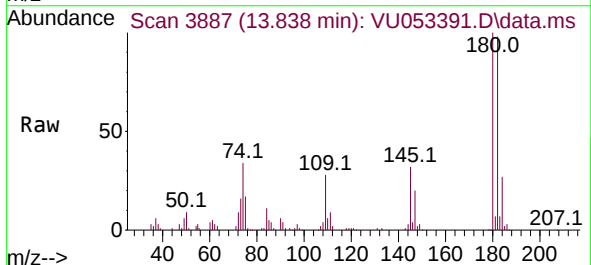


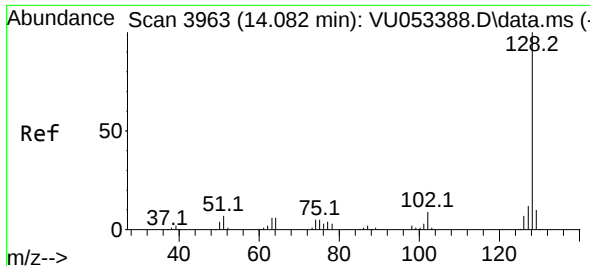
Tgt Ion:180 Resp: 73531
 Ion Ratio Lower Upper
 180 100
 182 91.7 76.7 115.1
 184 31.0 24.1 36.1
 145 30.3 24.7 37.1



#70
 1,2,4-trichlorobenzene
 Concen: 6.041 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU053391.D
 Acq: 24 Mar 2023 14:23

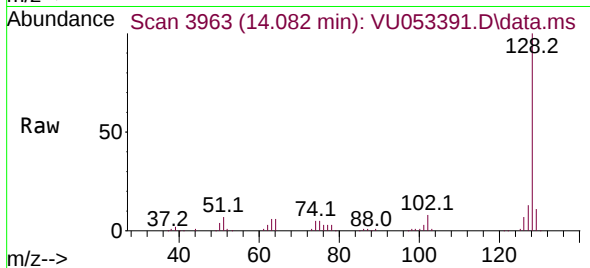
Tgt Ion:180 Resp: 64226
 Ion Ratio Lower Upper
 180 100
 182 96.6 75.4 113.2
 145 31.8 25.8 38.8



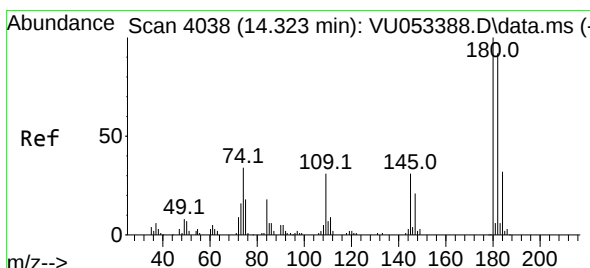
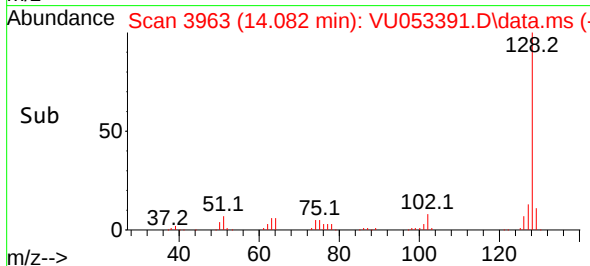
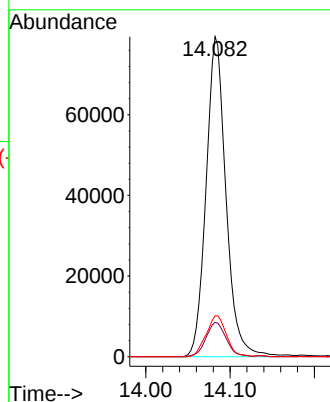


#71
Naphthalene
Concen: 6.504 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 130276
Ion Ratio Lower Upper
128 100
129 10.9 8.2 12.4
127 13.0 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 6.209 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU053391.D
Acq: 24 Mar 2023 14:23

Tgt Ion:180 Resp: 57619
Ion Ratio Lower Upper
180 100
182 95.4 74.8 112.2
145 34.0 26.3 39.5

