

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041423\
 Data File : VU053701.D
 Acq On : 13 Apr 2023 23:28
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005148

Quant Time: Apr 14 02:28:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 14 02:17:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	138599	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	134741	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	72878	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	53394	5.600	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.000%
7) Chloroethane-d5	1.906	69	41494	4.795	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.000%
11) 1,1-Dichloroethene-d2	2.562	65	19257	4.741	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.800%
20) 2-Butanone-d5	4.623	46	88500	40.517	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.040%
24) Chloroform-d	5.057	84	82302	4.656	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
26) 1,2-Dichloroethane-d4	5.697	65	39837	4.398	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
32) Benzene-d6	5.722	84	164744	4.314	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
36) 1,2-Dichloropropane-d6	6.684	67	49451	4.250	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.000%
41) Toluene-d8	7.893	98	155619	4.320	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	8.176	79	18696	4.187	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.800%
46) 2-Hexanone-d5	8.629	63	82392	45.429	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.860%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	41165	4.250	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	55962	4.268	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	50873	5.115	ug/L	98
3) Chloromethane	1.517	50	53477	5.345	ug/L	99
5) Vinyl chloride	1.600	62	62323	5.524	ug/L #	77
6) Bromomethane	1.851	94	24231	3.391	ug/L	100
8) Chloroethane	1.928	64	38432	5.860	ug/L	97
9) Trichlorofluoromethane	2.134	101	86231	5.061	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	46196	5.350	ug/L	97
12) 1,1-Dichloroethene	2.575	96	66440	8.467	ug/L #	79
13) Acetone	2.626	43	55608	42.899	ug/L #	49
14) Carbon disulfide	2.787	76	122494	5.319	ug/L	99
15) Methyl Acetate	2.948	43	15764	5.184	ug/L	96
16) Methylene chloride	3.041	84	45565	4.421	ug/L	94
17) Methyl tert-butyl Ether	3.362	73	98235	5.164	ug/L	99
18) trans-1,2-Dichloroethene	3.346	96	41831	5.132	ug/L	91
19) 1,1-Dichloroethane	3.864	63	81037	5.397	ug/L	97
21) 2-Butanone	4.700	43	93510	46.458	ug/L	96
22) cis-1,2-Dichloroethene	4.661	96	47523	4.327	ug/L	97
23) Bromochloromethane	4.970	128	22067	5.677	ug/L	94
25) Chloroform	5.083	83	83896	5.432	ug/L	96

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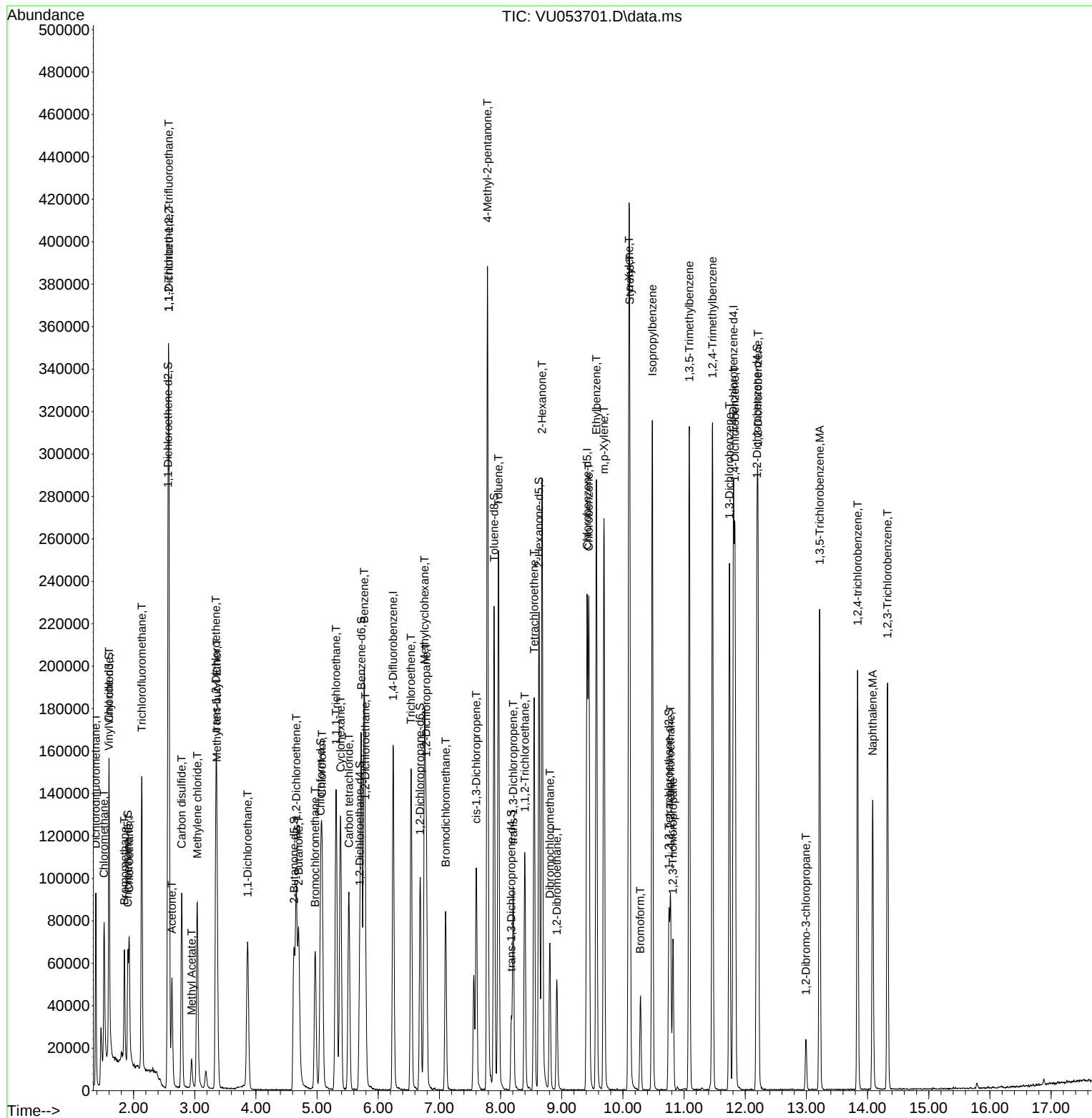
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	50890	5.260	ug/L	98
29) 1,1,1-Trichloroethane	5.311	97	104412	7.849	ug/L	96
30) Cyclohexane	5.385	56	62813	4.432	ug/L	99
31) Carbon tetrachloride	5.520	117	61400	5.455	ug/L	99
33) Benzene	5.771	78	178081	4.933	ug/L	100
34) Trichloroethene	6.536	95	53552	5.570	ug/L	96
35) Methylcyclohexane	6.758	83	72853	4.416	ug/L	98
37) 1,2-Dichloropropane	6.783	63	44697	4.689	ug/L	100
38) Bromodichloromethane	7.102	83	56034	5.293	ug/L #	95
39) cis-1,3-Dichloropropene	7.603	75	65290	4.636	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	232847	49.916	ug/L	98
42) Toluene	7.967	91	195182	4.948	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	54191	4.729	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	36325	5.367	ug/L	94
47) Tetrachloroethene	8.549	164	40221	5.694	ug/L	93
48) 2-Hexanone	8.677	43	167703	48.620	ug/L	97
49) Dibromochloromethane	8.806	129	35944	5.370	ug/L	99
50) 1,2-Dibromoethane	8.918	107	34239	5.237	ug/L	98
51) Chlorobenzene	9.443	112	127283	5.116	ug/L	100
52) Ethylbenzene	9.568	91	208624	4.852	ug/L	97
53) m,p-Xylene	9.690	106	79682	4.861	ug/L	97
54) o-Xylene	10.098	106	77909	5.009	ug/L	99
55) Styrene	10.111	104	128026	5.013	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.777	83	43977	5.145	ug/L	95
59) Bromoform	10.285	173	19265	5.134	ug/L	99
60) Isopropylbenzene	10.481	105	208745	4.716	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	28867	4.781	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	170263	4.740	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	175030	4.758	ug/L	98
64) 1,3-Dichlorobenzene	11.741	146	101773	5.229	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	100741	5.155	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	96004	5.203	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.992	75	5697	4.866	ug/L #	82
69) 1,3,5-Trichlorobenzene	13.217	180	71127	5.235	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	59713	5.528	ug/L	97
71) Naphthalene	14.082	128	111937	5.500	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	57904	6.141	ug/L	99

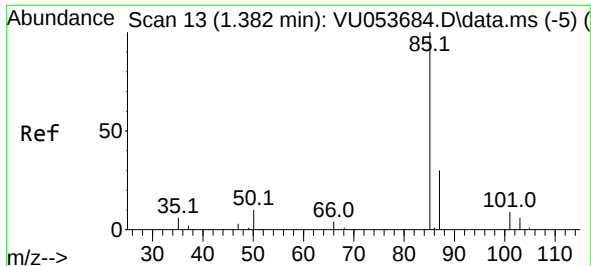
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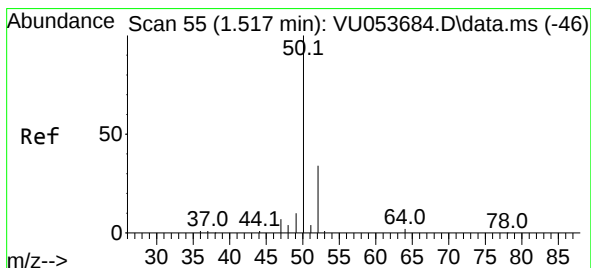
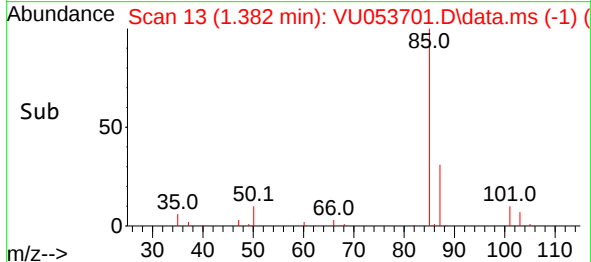
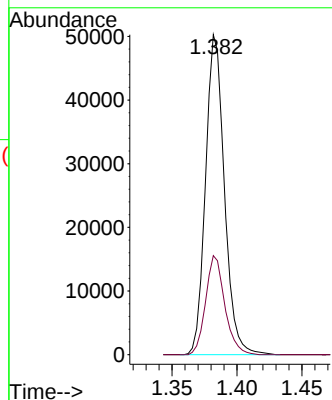
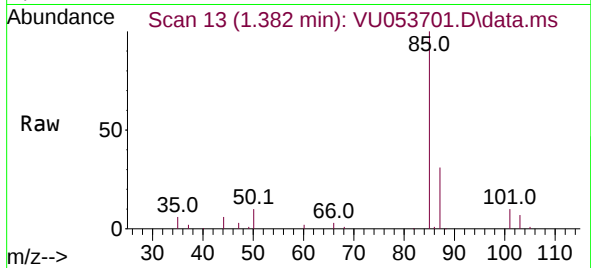




#2
Dichlorodifluoromethane
Concen: 5.115 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

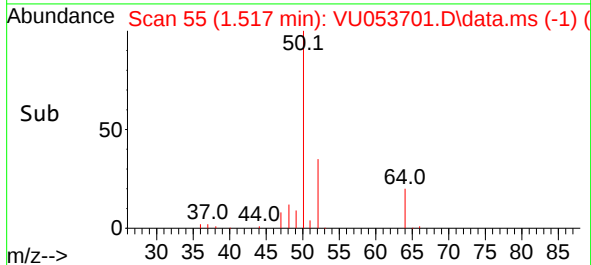
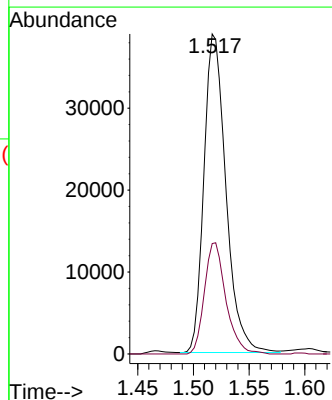
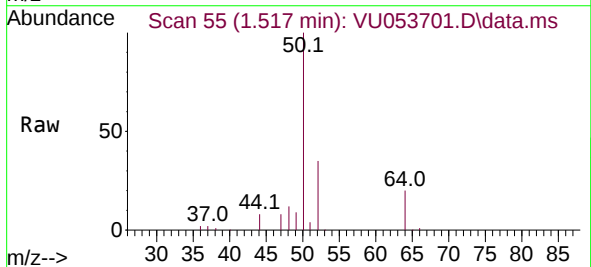
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

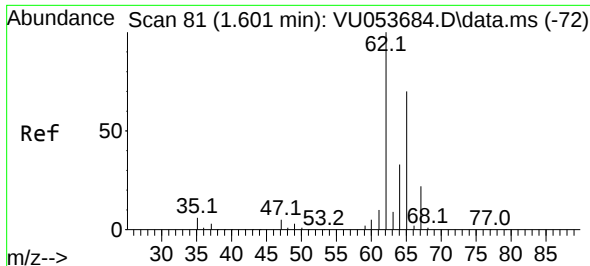
Tgt Ion: 85 Resp: 50873
Ion Ratio Lower Upper
85 100
87 31.3 26.1 39.1



#3
Chloromethane
Concen: 5.345 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.000 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

Tgt Ion: 50 Resp: 53477
Ion Ratio Lower Upper
50 100
52 34.5 23.9 44.3

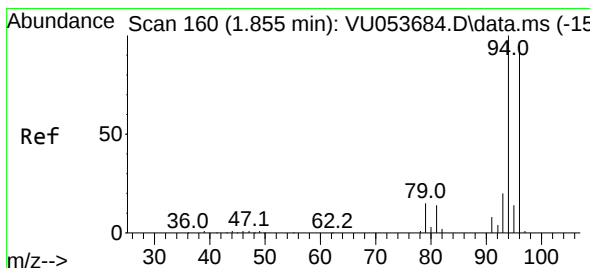
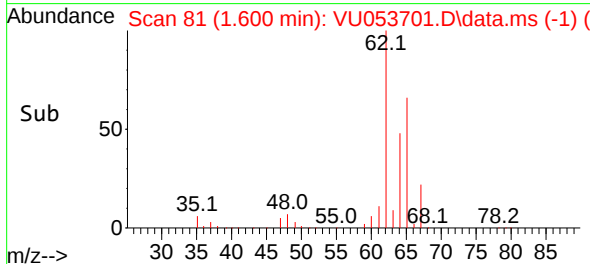
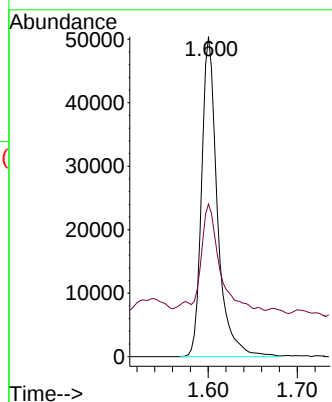
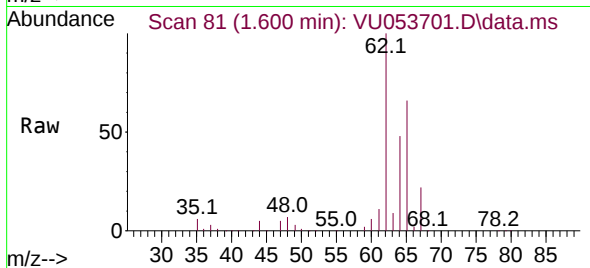




#5
 Vinyl chloride
 Concen: 5.524 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053701.D
 Acq: 13 Apr 2023 23:28

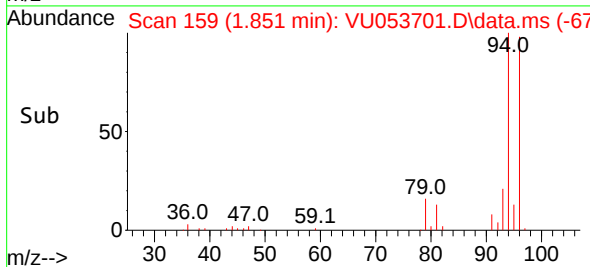
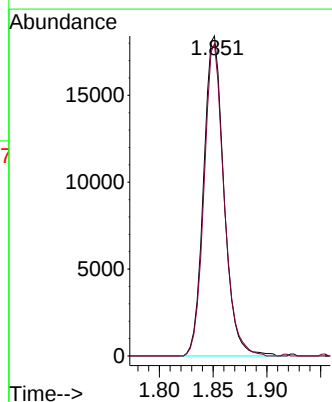
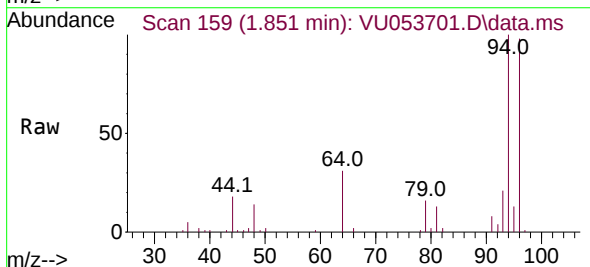
Instrument :
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 ClientSampleId :
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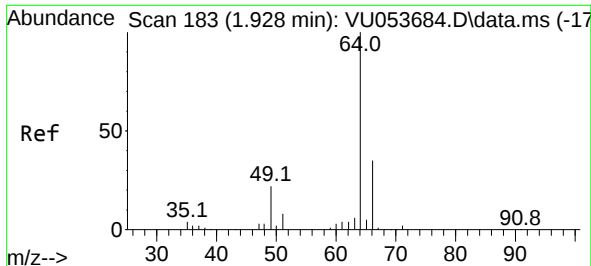
Tgt Ion: 62 Resp: 62323
 Ion Ratio Lower Upper
 62 100
 64 47.7 24.1 44.7#



#6
 Bromomethane
 Concen: 3.391 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. -0.003 min
 Lab File: VU053701.D
 Acq: 13 Apr 2023 23:28

Tgt Ion: 94 Resp: 24231
 Ion Ratio Lower Upper
 94 100
 96 97.6 68.3 126.8





#8

Chloroethane

Concen: 5.860 ug/L

RT: 1.928 min Scan# 183

Delta R.T. -0.000 min

Lab File: VU053701.D

Acq: 13 Apr 2023 23:28

Instrument :

MSVOA_U

ClientSampleId :

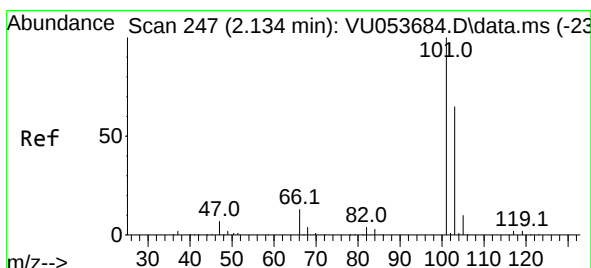
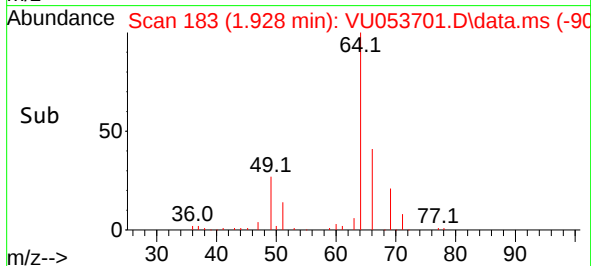
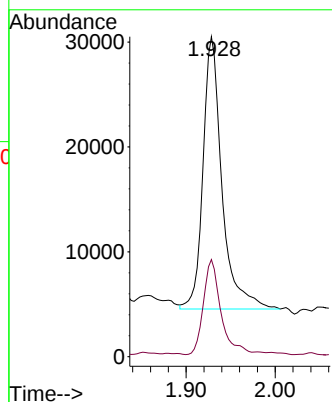
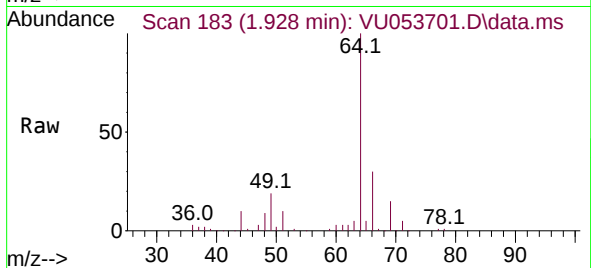
VSTD005148

Tgt Ion: 64 Resp: 38432

Ion Ratio Lower Upper

64 100

66 30.4 22.3 41.5



#9

Trichlorofluoromethane

Concen: 5.061 ug/L

RT: 2.134 min Scan# 247

Delta R.T. -0.000 min

Lab File: VU053701.D

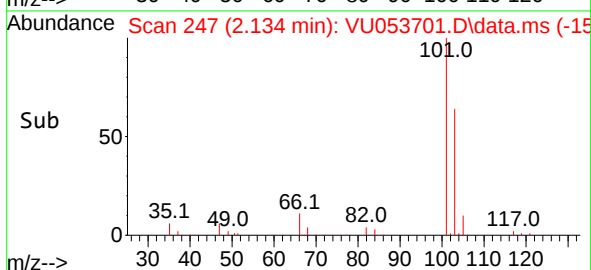
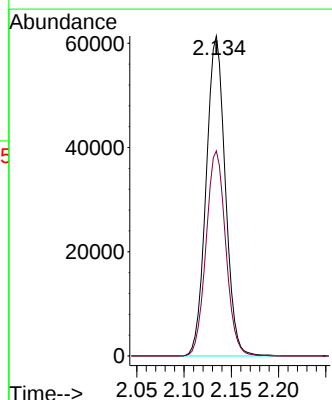
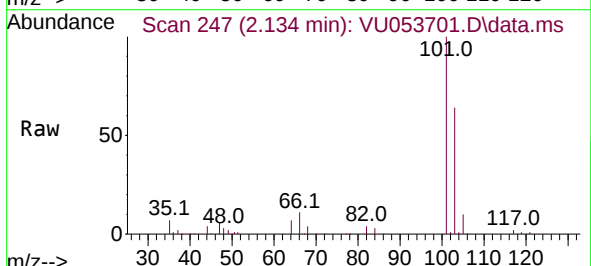
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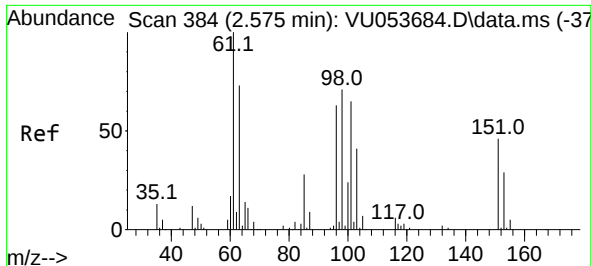
Tgt Ion:101 Resp: 86231

Ion Ratio Lower Upper

101 100

103 65.9 50.2 75.2





#10

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

Concen: 5.350 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

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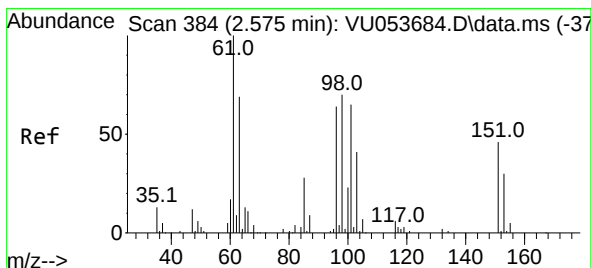
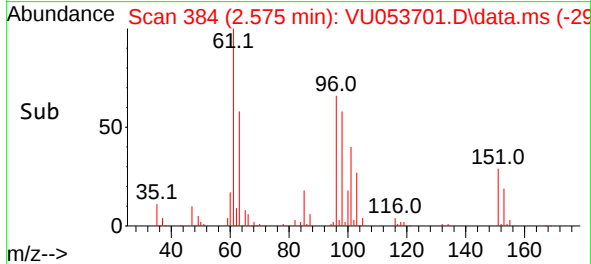
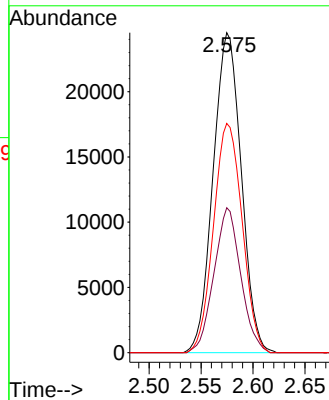
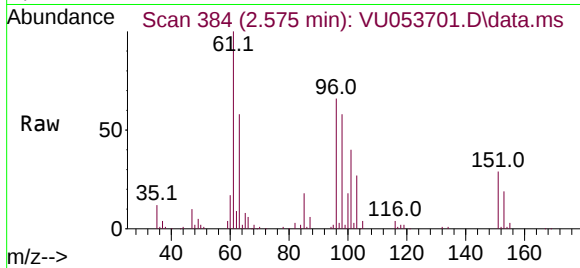
Tgt Ion:101 Resp: 46196

Ion Ratio Lower Upper

101 100

85 43.1 37.0 55.4

151 72.8 56.8 85.2



#12

1,1-Dichloroethene

Concen: 8.467 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU053701.D

Acq: 13 Apr 2023 23:28

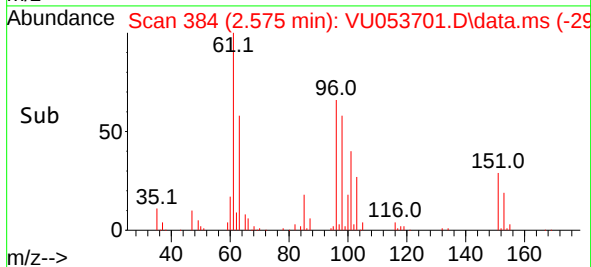
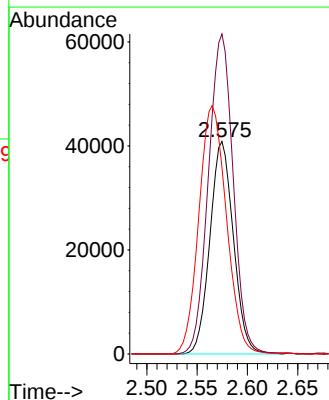
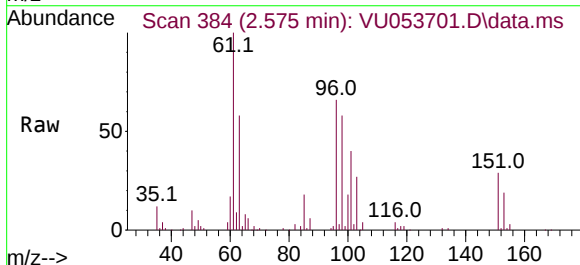
Tgt Ion: 96 Resp: 66440

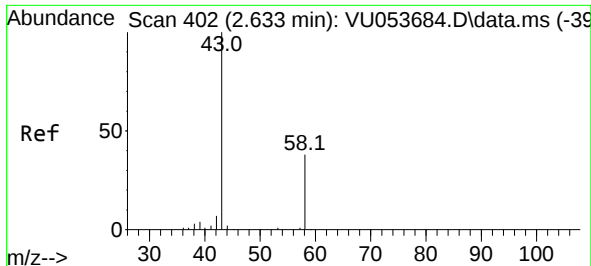
Ion Ratio Lower Upper

96 100

61 150.6 116.8 216.8

63 87.8 88.6 164.6#





#13

Acetone

Concen: 42.899 ug/L

RT: 2.626 min Scan# 40

Delta R.T. -0.007 min

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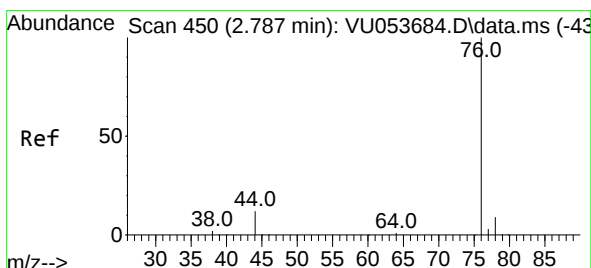
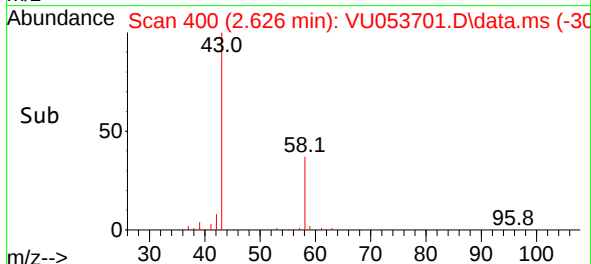
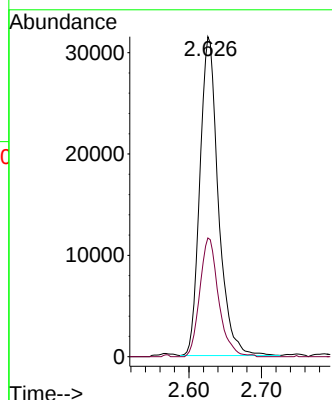
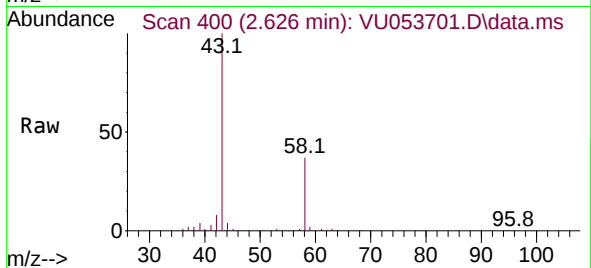
VSTD005148

Tgt Ion: 43 Resp: 55608

Ion Ratio Lower Upper

43 100

58 38.0 0.0 32.2#



#14

Carbon disulfide

Concen: 5.319 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.000 min

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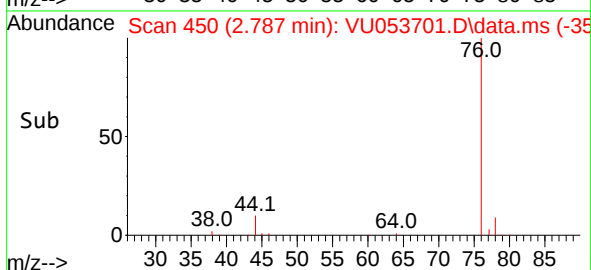
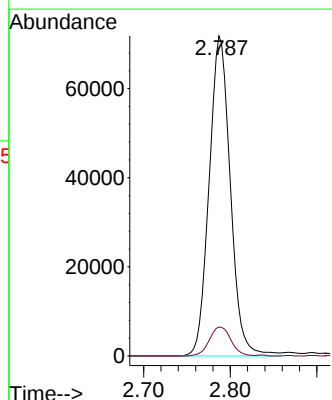
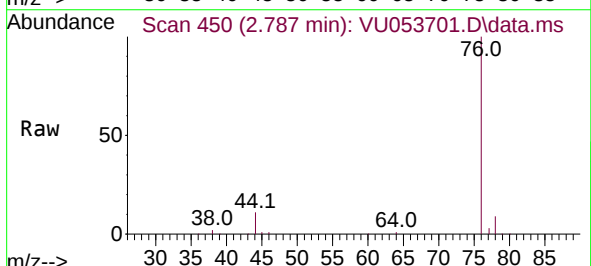
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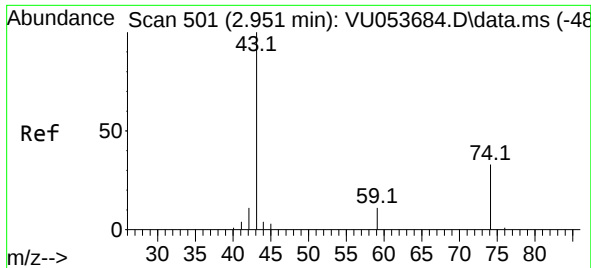
Tgt Ion: 76 Resp: 122494

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

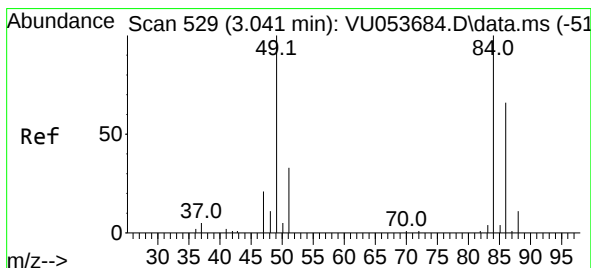
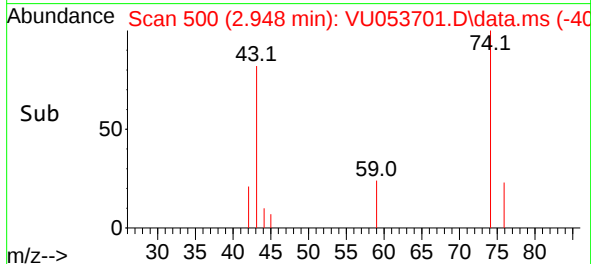
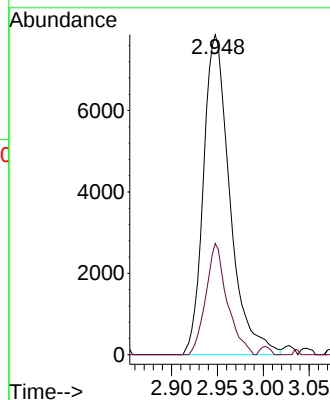
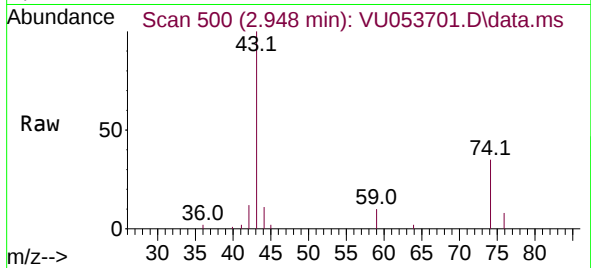




#15
Methyl Acetate
Concen: 5.184 ug/L
RT: 2.948 min Scan# 501
Delta R.T. -0.003 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

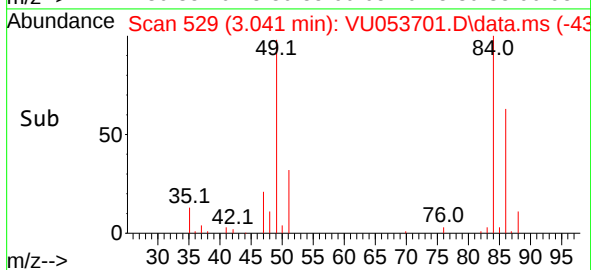
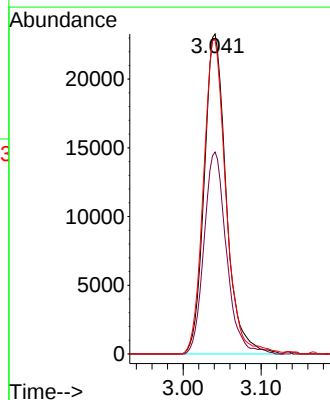
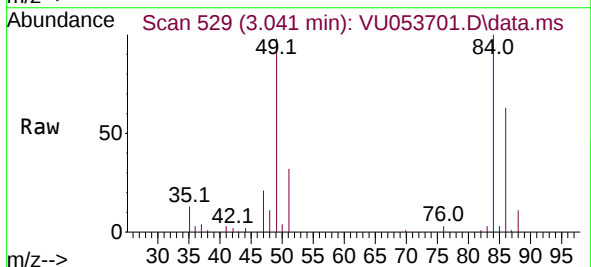
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

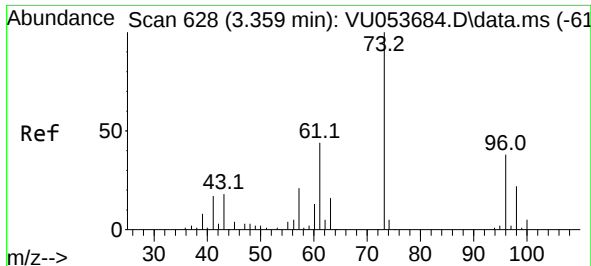
Tgt Ion: 43 Resp: 15764
Ion Ratio Lower Upper
43 100
74 28.1 20.8 31.2



#16
Methylene chloride
Concen: 4.421 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

Tgt Ion: 84 Resp: 45565
Ion Ratio Lower Upper
84 100
86 63.1 44.7 83.1
49 98.2 75.5 140.1





#17

Methyl tert-butyl Ether

Concen: 5.164 ug/L

RT: 3.362 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU053701.D

Acq: 13 Apr 2023 23:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD005148

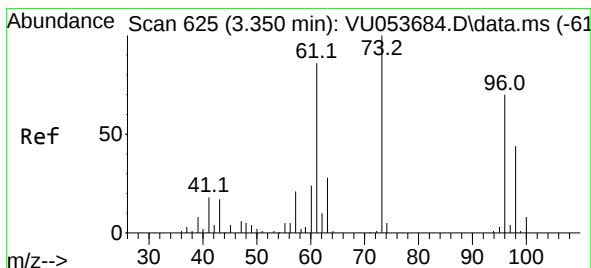
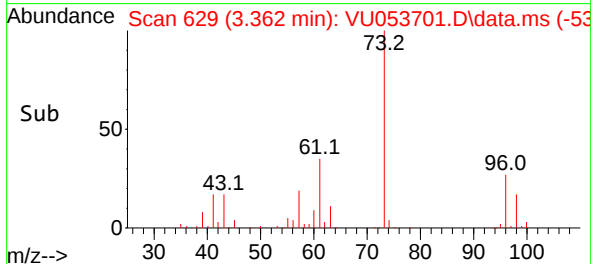
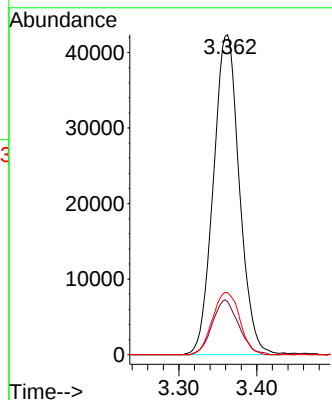
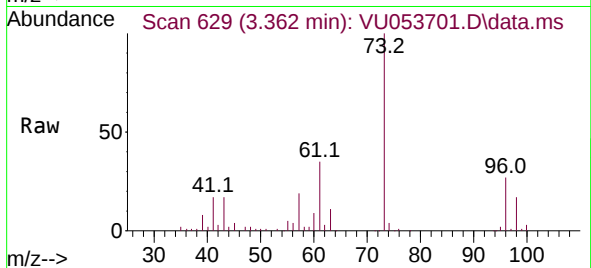
Tgt Ion: 73 Resp: 98235

Ion Ratio Lower Upper

73 100

43 17.4 13.9 20.9

57 20.3 17.0 25.6



#18

trans-1,2-Dichloroethene

Concen: 5.132 ug/L

RT: 3.346 min Scan# 624

Delta R.T. -0.003 min

Lab File: VU053701.D

Acq: 13 Apr 2023 23:28

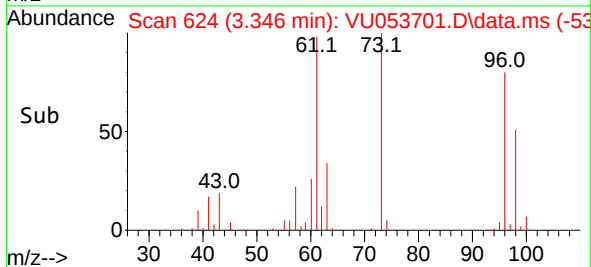
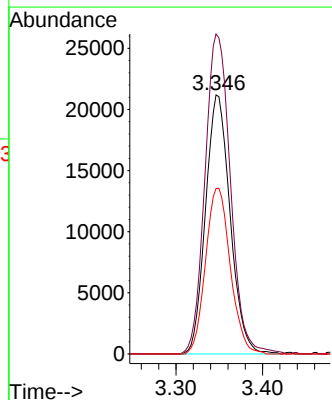
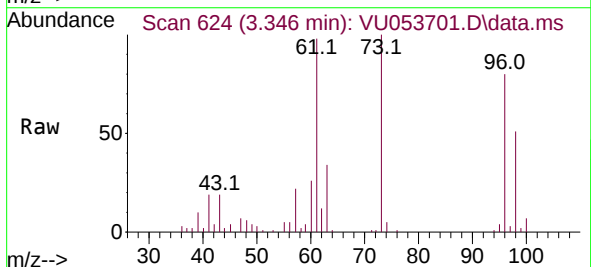
Tgt Ion: 96 Resp: 41831

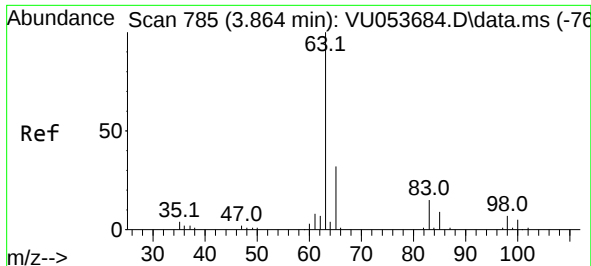
Ion Ratio Lower Upper

96 100

61 123.6 95.5 177.3

98 63.9 42.2 78.4

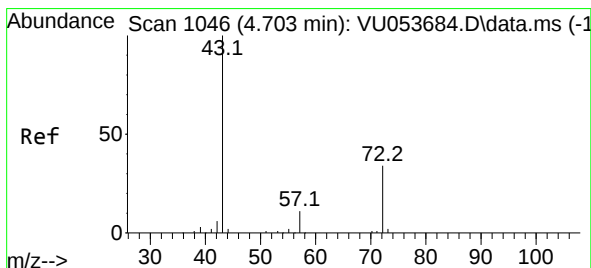
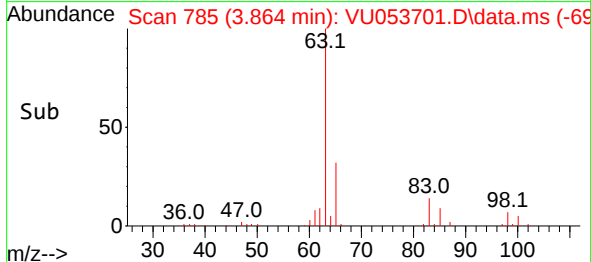
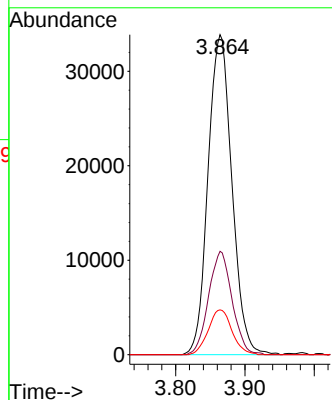
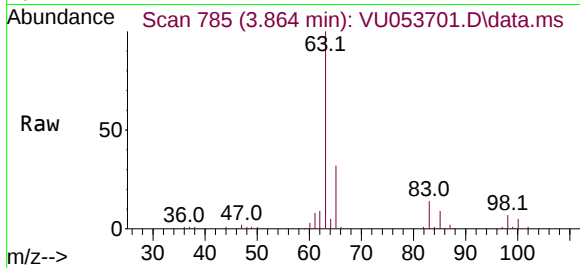




#19
1,1-Dichloroethane
Concen: 5.397 ug/L
RT: 3.864 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

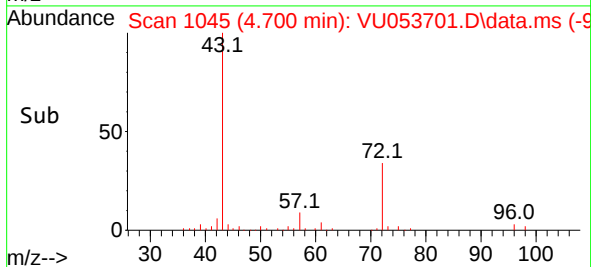
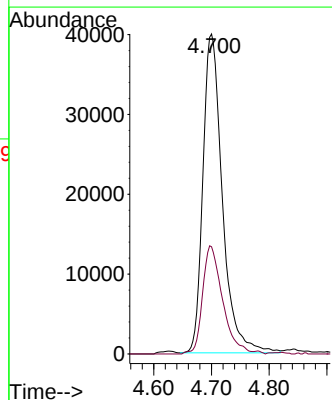
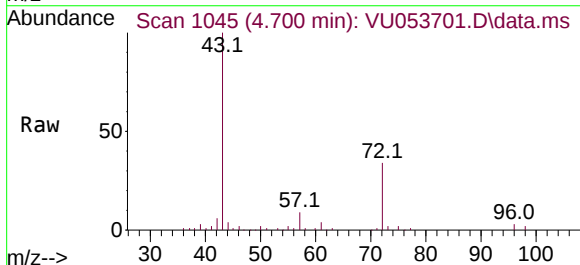
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

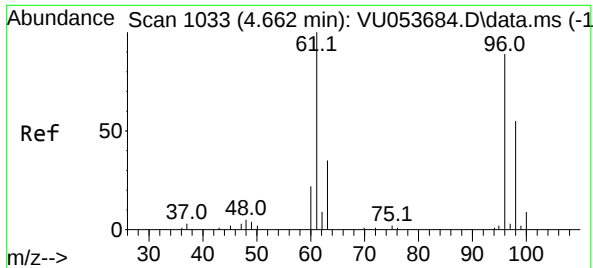
Tgt Ion: 63 Resp: 81037
Ion Ratio Lower Upper
63 100
65 32.3 21.7 40.3
83 14.0 8.1 15.1



#21
2-Butanone
Concen: 46.458 ug/L
RT: 4.700 min Scan# 1045
Delta R.T. -0.003 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

Tgt Ion: 43 Resp: 93510
Ion Ratio Lower Upper
43 100
72 34.7 16.2 48.6

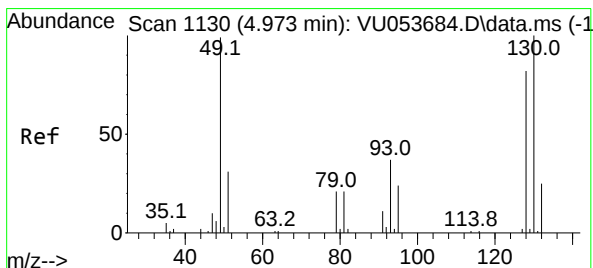
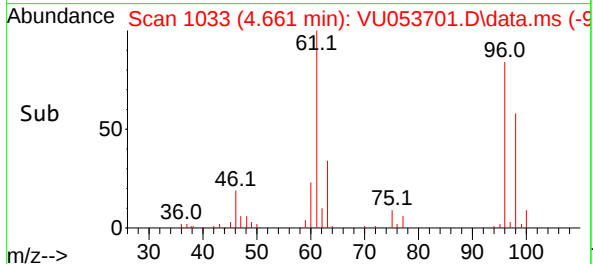
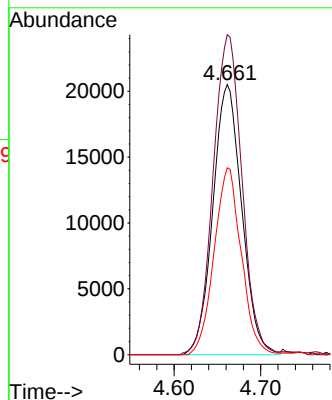
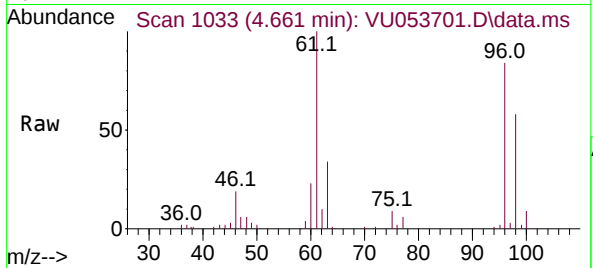




#22
 cis-1,2-Dichloroethene
 Concen: 4.327 ug/L
 RT: 4.661 min Scan# 1129
 Delta R.T. -0.000 min
 Lab File: VU053701.D
 Acq: 13 Apr 2023 23:28

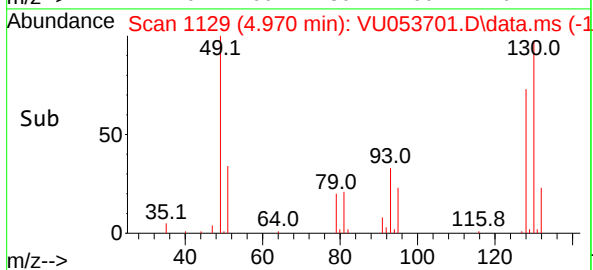
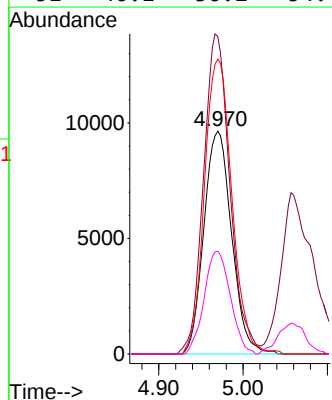
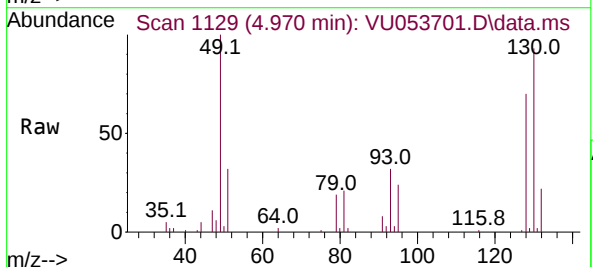
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005148

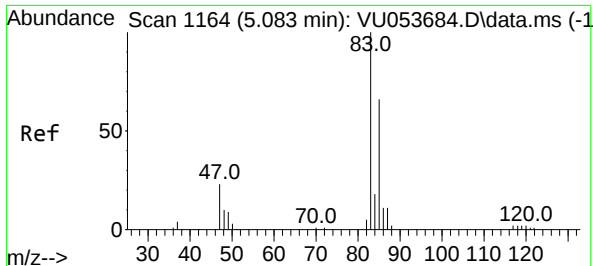
Tgt Ion: 96 Resp: 47523
 Ion Ratio Lower Upper
 96 100
 61 118.5 86.6 160.8
 98 69.2 47.7 88.5



#23
 Bromochloromethane
 Concen: 5.677 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. -0.003 min
 Lab File: VU053701.D
 Acq: 13 Apr 2023 23:28

Tgt Ion:128 Resp: 22067
 Ion Ratio Lower Upper
 128 100
 49 142.5 102.8 190.8
 130 132.3 85.1 158.1
 51 46.1 36.2 54.4





#25

Chloroform

Concen: 5.432 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053701.D

Acq: 13 Apr 2023 23:28

Instrument :

MSVOA_U

ClientSampleId :

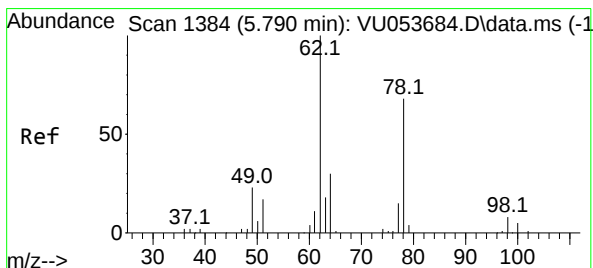
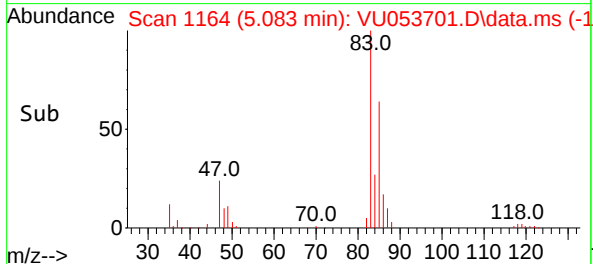
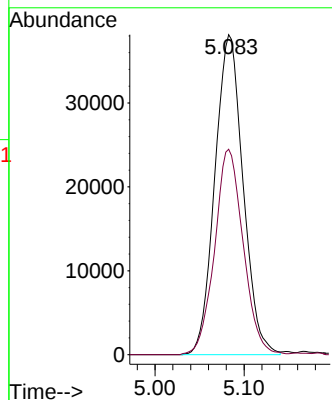
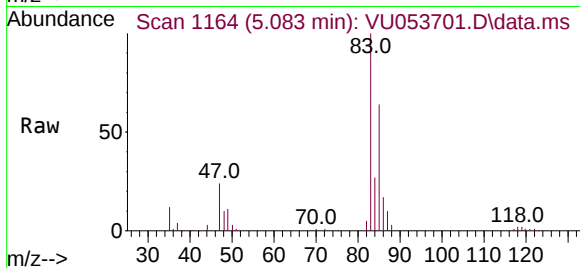
VSTD005148

Tgt Ion: 83 Resp: 83896

Ion Ratio Lower Upper

83 100

85 64.2 47.3 87.9



#27

1,2-Dichloroethane

Concen: 5.260 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU053701.D

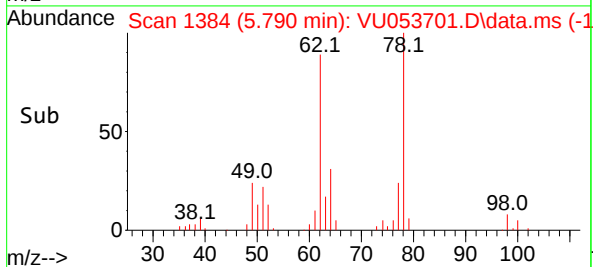
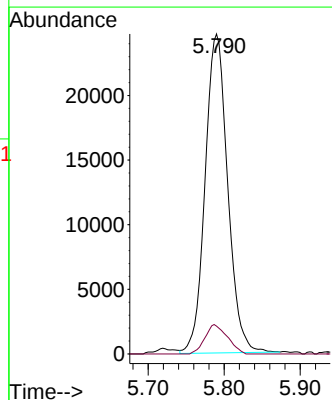
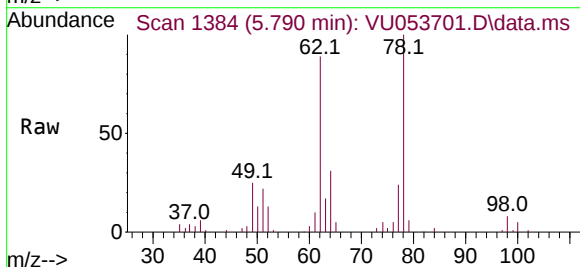
Acq: 13 Apr 2023 23:28

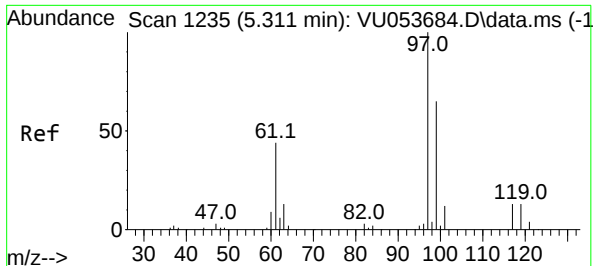
Tgt Ion: 62 Resp: 50890

Ion Ratio Lower Upper

62 100

98 8.7 6.4 9.6

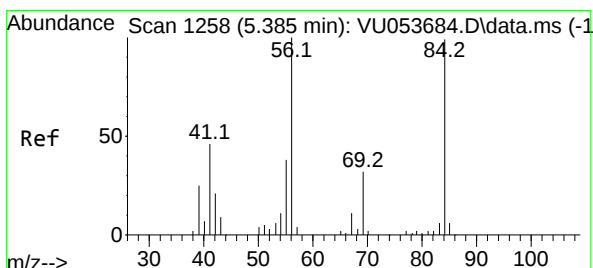
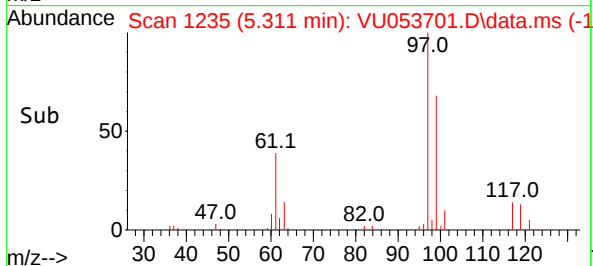
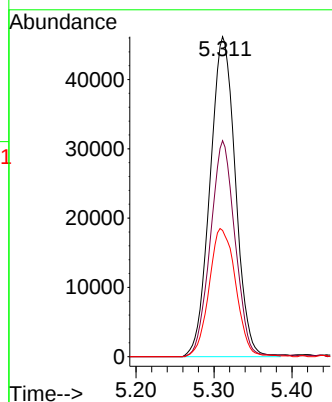
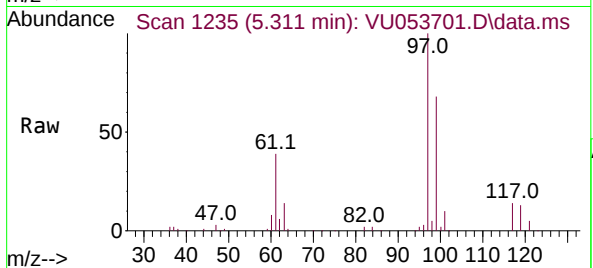




#29
1,1,1-Trichloroethane
Concen: 7.849 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

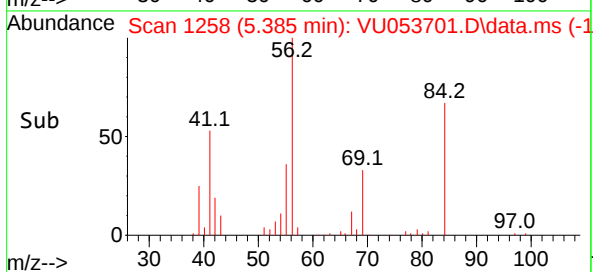
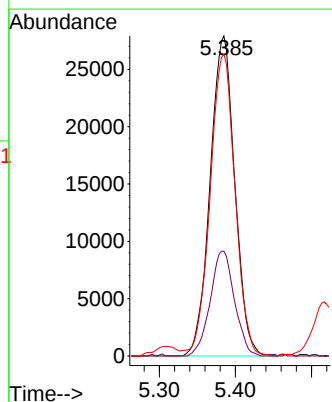
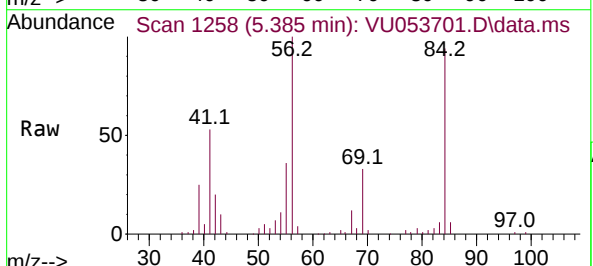
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

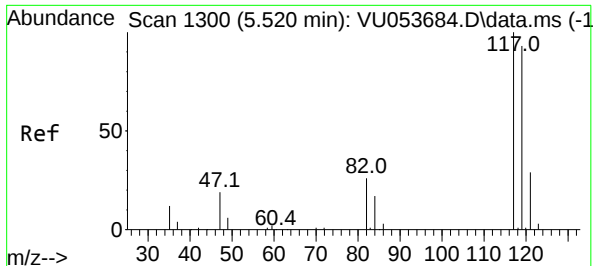
Tgt Ion: 97 Resp: 104412
Ion Ratio Lower Upper
97 100
99 65.7 49.9 74.9
61 42.0 35.7 53.5



#30
Cyclohexane
Concen: 4.432 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

Tgt Ion: 56 Resp: 62813
Ion Ratio Lower Upper
56 100
69 32.2 26.1 39.1
84 95.3 75.6 113.4

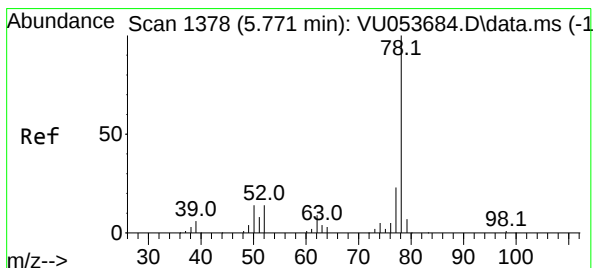
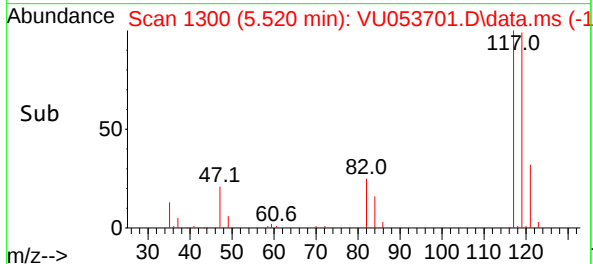
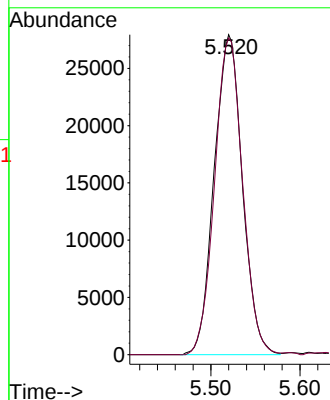
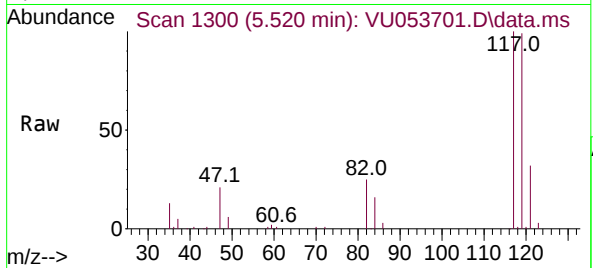




#31
Carbon tetrachloride
Concen: 5.455 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

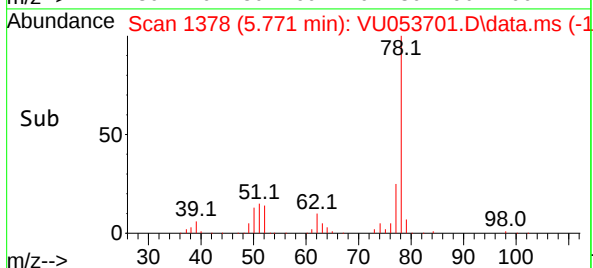
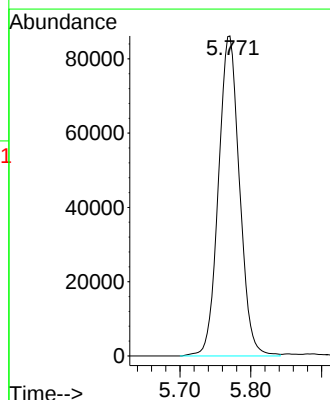
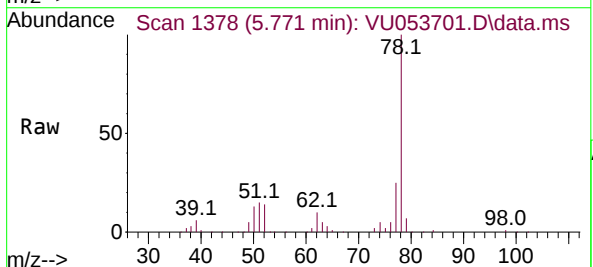
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

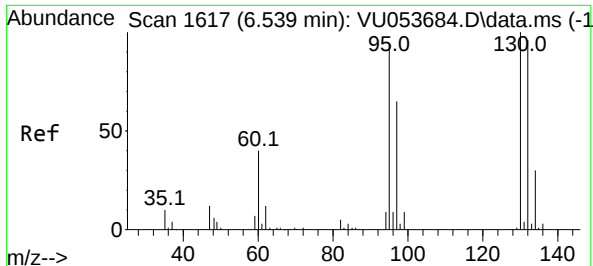
Tgt Ion:117 Resp: 61400
Ion Ratio Lower Upper
117 100
119 98.3 77.7 116.5



#33
Benzene
Concen: 4.933 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

Tgt Ion: 78 Resp: 178081



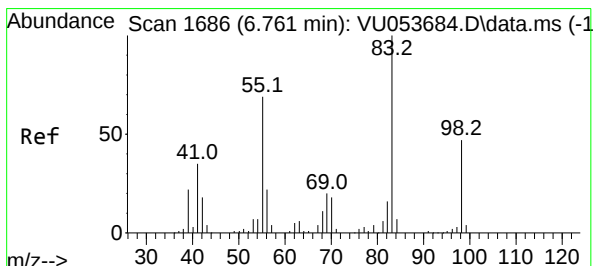
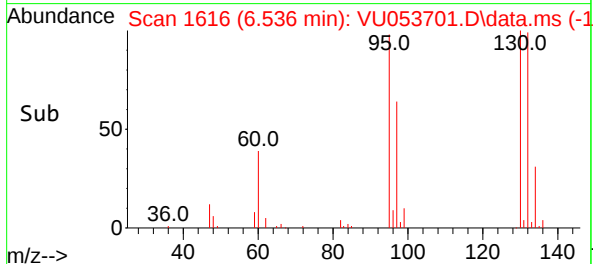
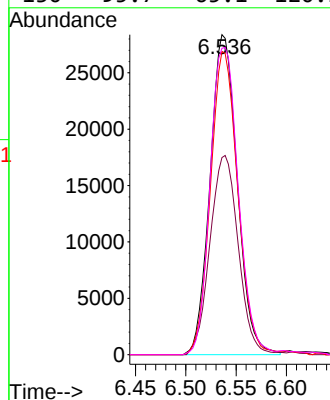
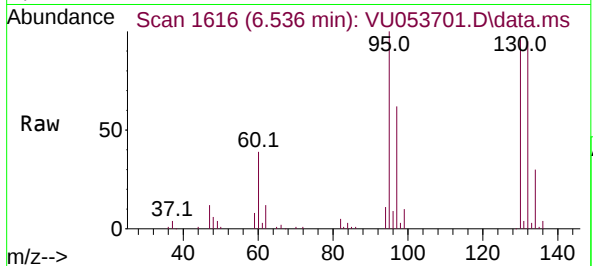


#34
Trichloroethene
Concen: 5.570 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

Tgt Ion: 95 Resp: 53552

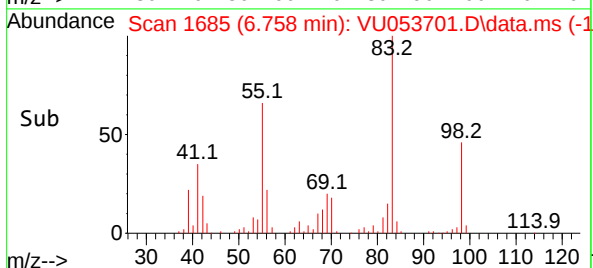
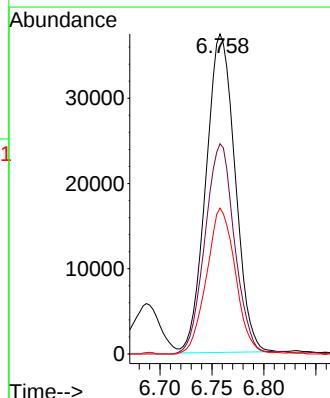
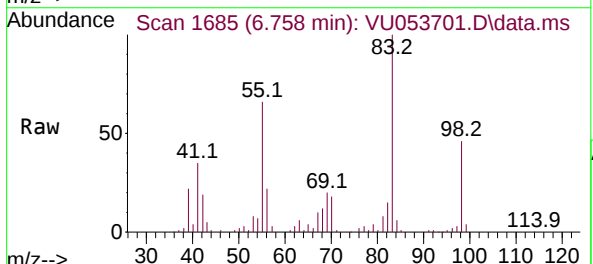
Ion	Ratio	Lower	Upper
95	100		
97	61.6	45.3	84.1
132	94.8	62.8	116.6
130	95.7	65.1	120.9

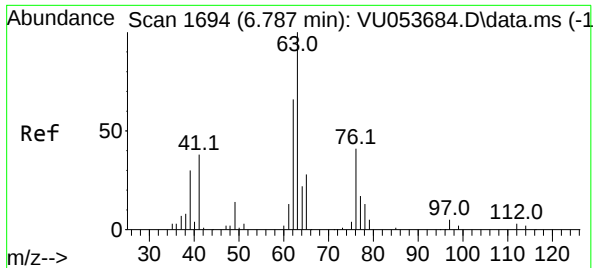


#35
Methylcyclohexane
Concen: 4.416 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

Tgt Ion: 83 Resp: 72853

Ion	Ratio	Lower	Upper
83	100		
55	67.5	54.9	82.3
98	45.5	34.9	52.3

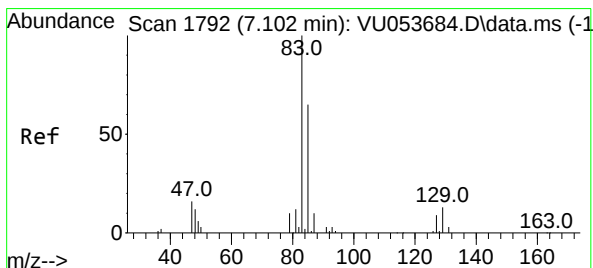
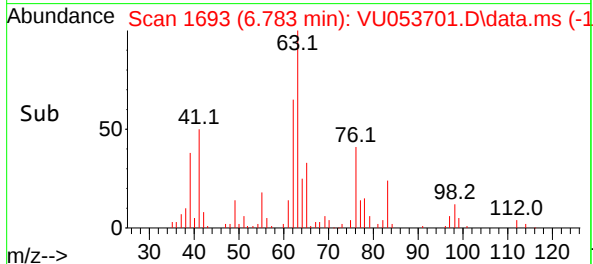
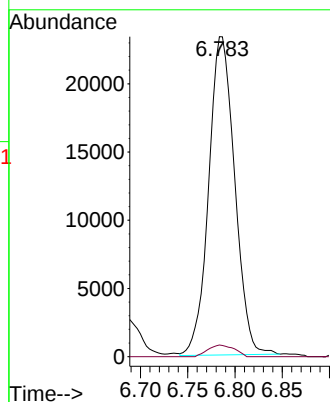
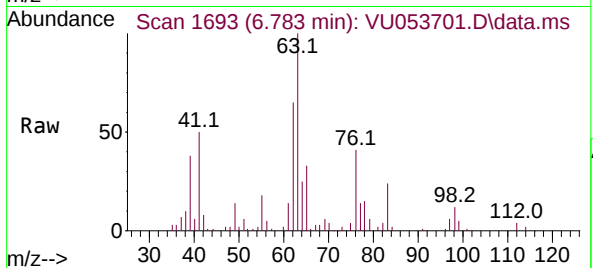




#37
1,2-Dichloropropane
Concen: 4.689 ug/L
RT: 6.783 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

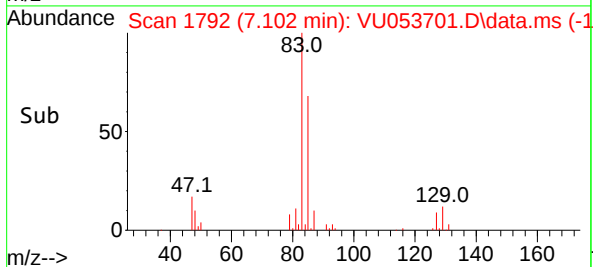
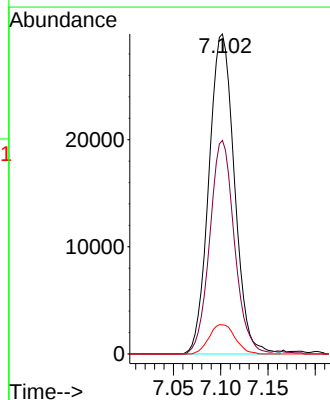
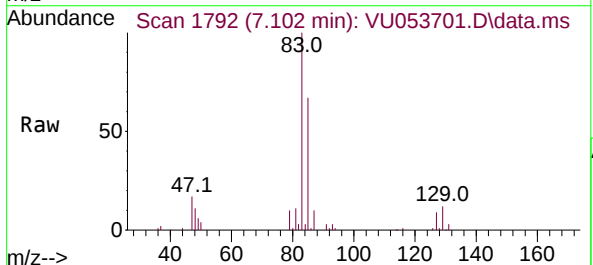
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

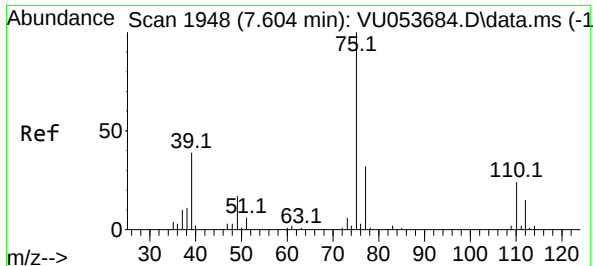
Tgt Ion: 63 Resp: 44697
Ion Ratio Lower Upper
63 100
112 3.7 3.0 4.4



#38
Bromodichloromethane
Concen: 5.293 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

Tgt Ion: 83 Resp: 56034
Ion Ratio Lower Upper
83 100
85 66.8 44.0 81.8
127 9.1 5.8 8.6#





#39

cis-1,3-Dichloropropene

Concen: 4.636 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU053701.D

Acq: 13 Apr 2023 23:28

Instrument :

MSVOA_U

ClientSampleId :

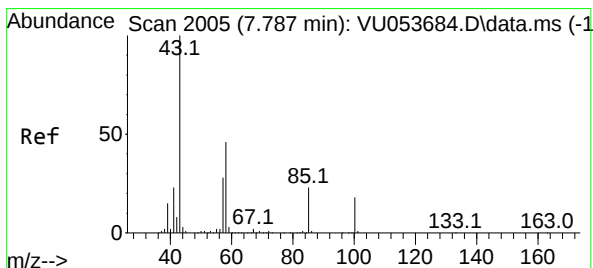
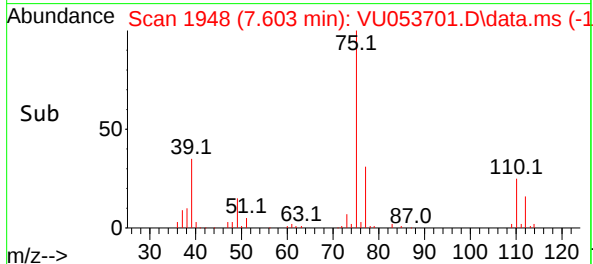
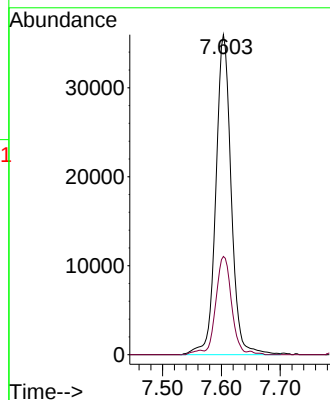
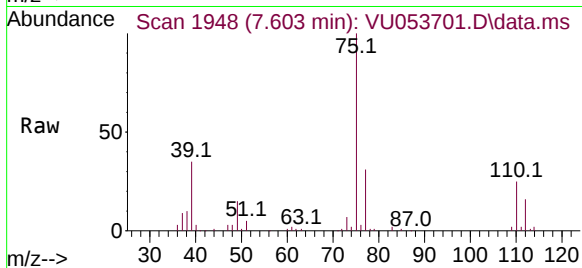
VSTD005148

Tgt Ion: 75 Resp: 65290

Ion Ratio Lower Upper

75 100

77 30.7 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 49.916 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VU053701.D

Acq: 13 Apr 2023 23:28

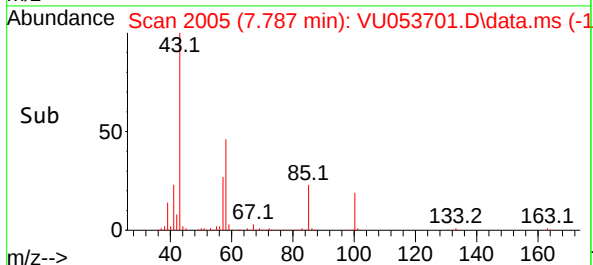
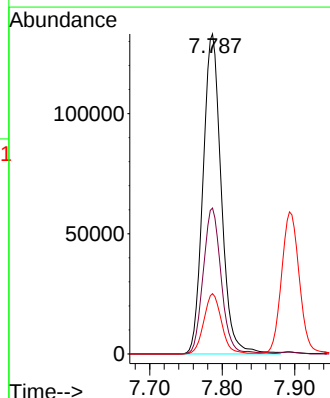
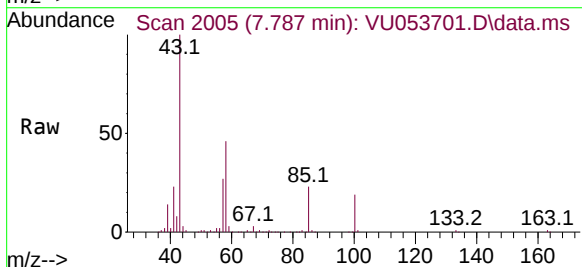
Tgt Ion: 43 Resp: 232847

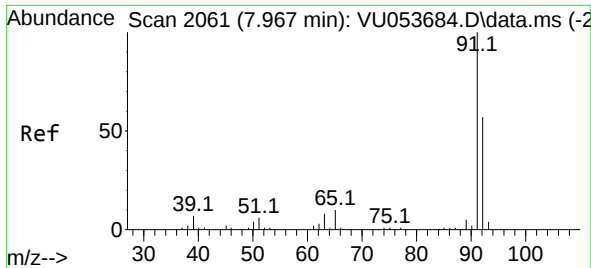
Ion Ratio Lower Upper

43 100

58 45.2 37.4 56.0

100 18.2 14.0 21.0





#42

Toluene

Concen: 4.948 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU053701.D

Acq: 13 Apr 2023 23:28

Instrument :

MSVOA_U

ClientSampleId :

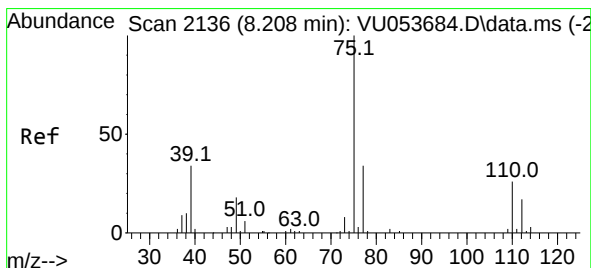
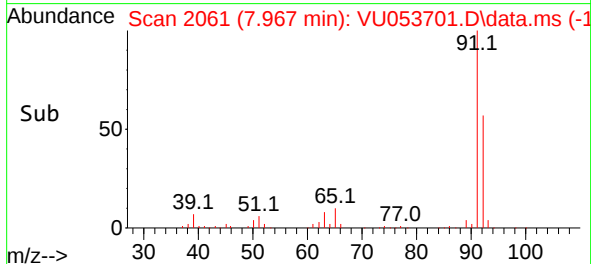
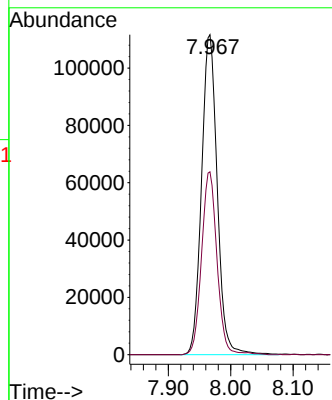
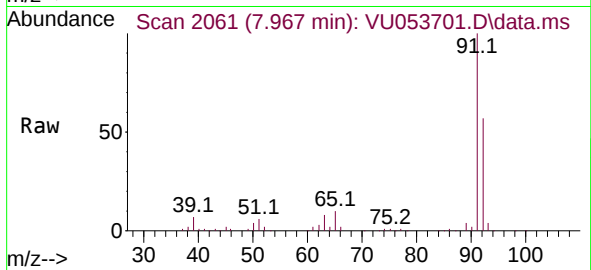
VSTD005148

Tgt Ion: 91 Resp: 195182

Ion Ratio Lower Upper

91 100

92 57.1 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.729 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU053701.D

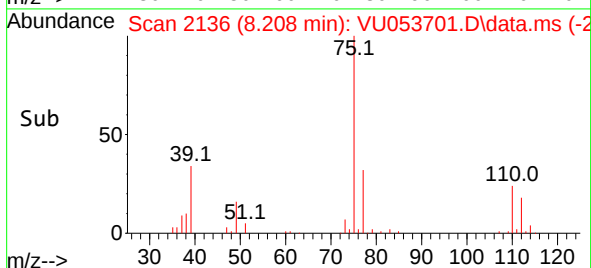
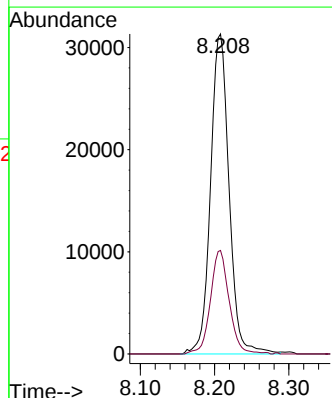
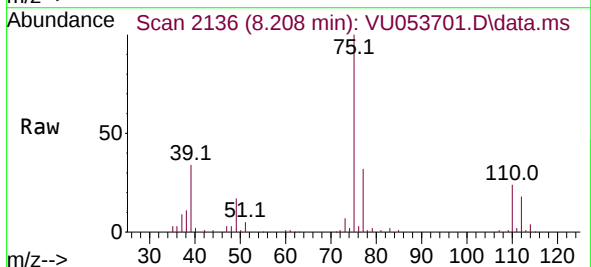
Acq: 13 Apr 2023 23:28

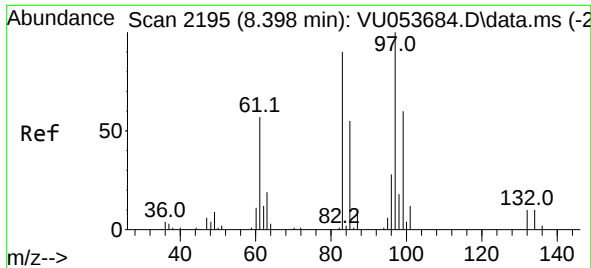
Tgt Ion: 75 Resp: 54191

Ion Ratio Lower Upper

75 100

77 32.4 22.0 40.8



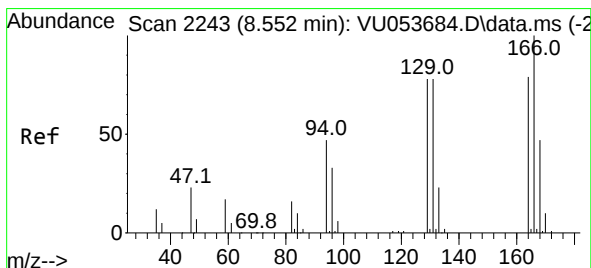
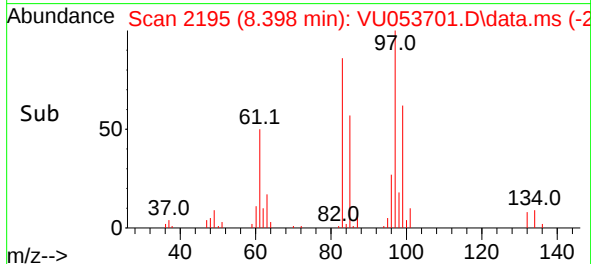
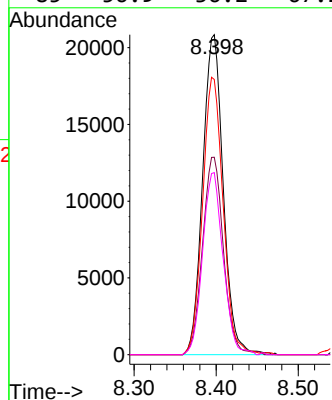
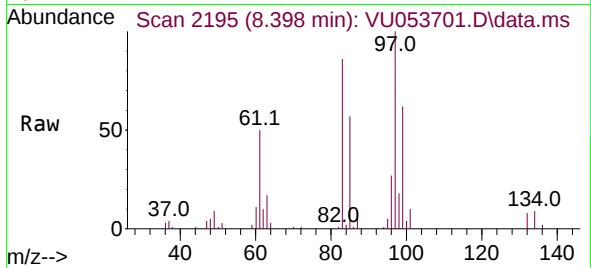


#45
1,1,2-Trichloroethane
Concen: 5.367 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

Tgt Ion: 97 Resp: 36325

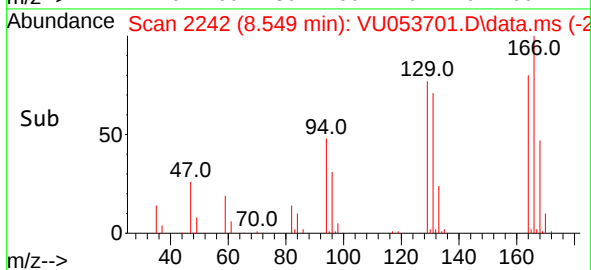
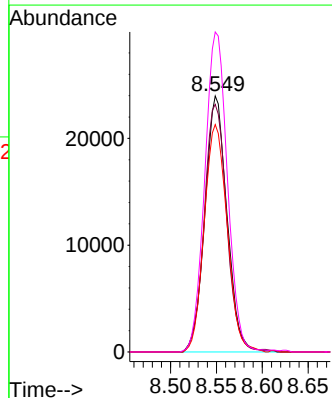
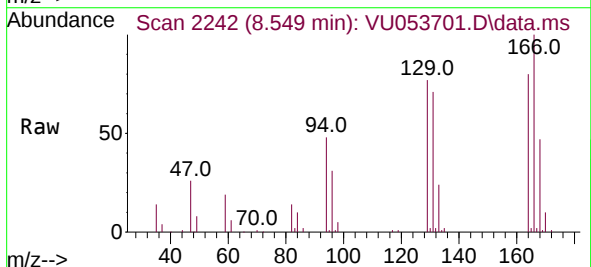
Ion	Ratio	Lower	Upper
97	100		
99	61.7	38.9	72.2
83	86.0	57.6	107.0
85	56.9	36.2	67.2

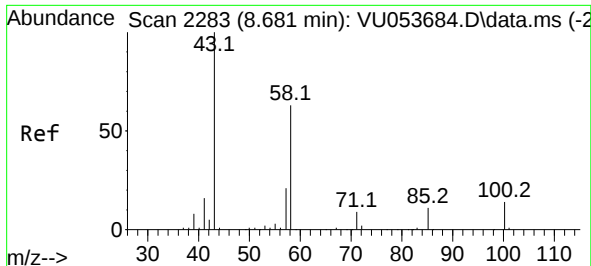


#47
Tetrachloroethene
Concen: 5.694 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.003 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

Tgt Ion: 164 Resp: 40221

Ion	Ratio	Lower	Upper
164	100		
129	96.7	74.8	138.8
131	88.8	70.1	130.1
166	125.0	87.3	162.1

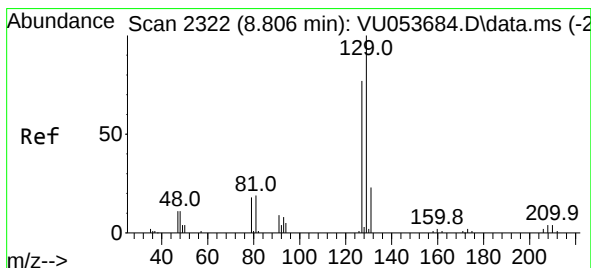
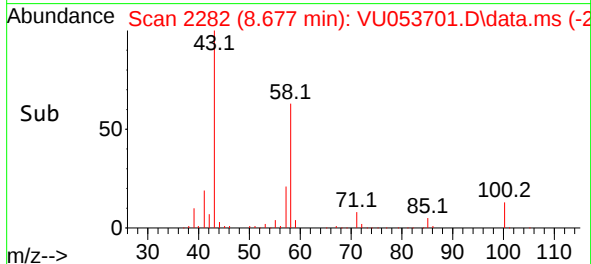
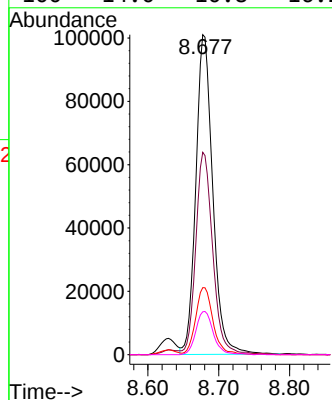
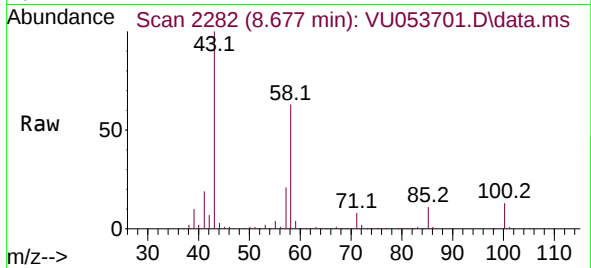




#48
2-Hexanone
Concen: 48.620 ug/L
RT: 8.677 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

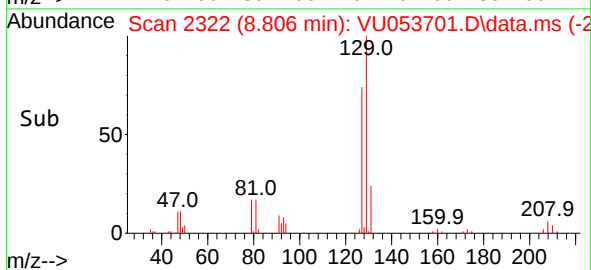
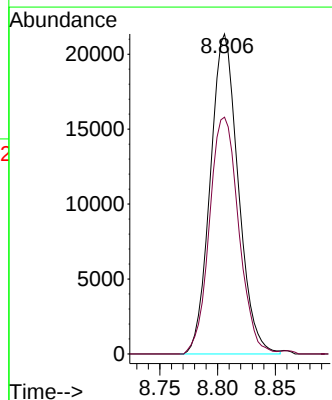
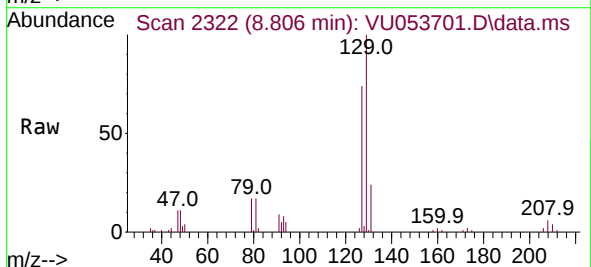
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

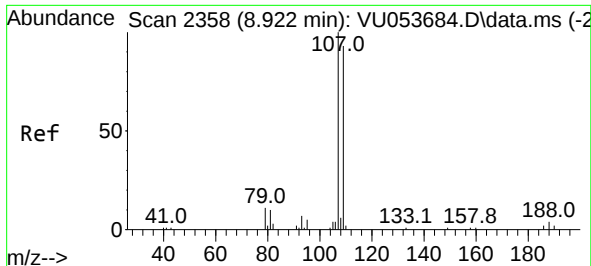
Tgt Ion: 43 Resp: 167703
Ion Ratio Lower Upper
43 100
58 62.5 52.8 79.2
57 21.3 17.1 25.7
100 14.0 10.8 16.2



#49
Dibromochloromethane
Concen: 5.370 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

Tgt Ion: 129 Resp: 35944
Ion Ratio Lower Upper
129 100
127 74.0 52.2 97.0





#50

1,2-Dibromoethane

Concen: 5.237 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU053701.D

Acq: 13 Apr 2023 23:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD005148

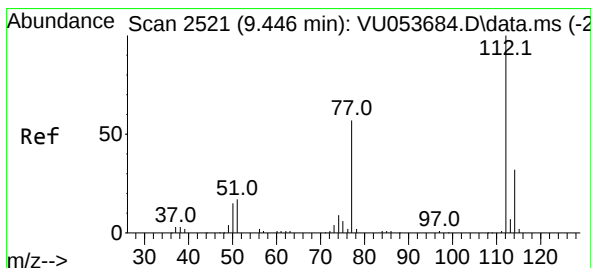
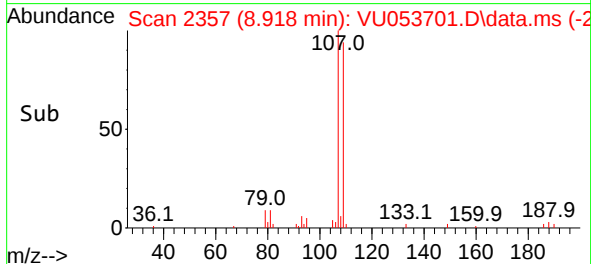
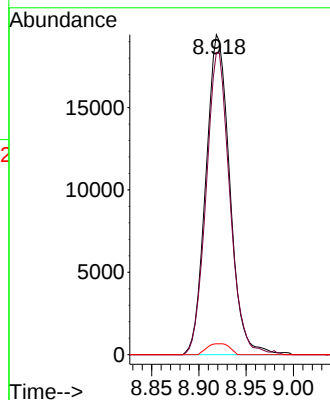
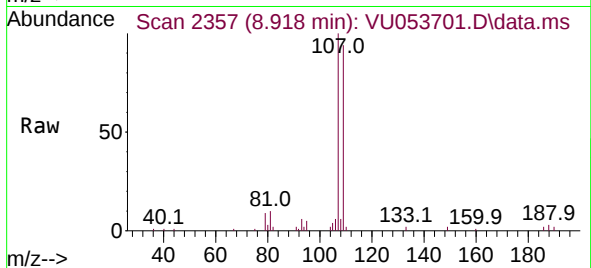
Tgt Ion:107 Resp: 34239

Ion Ratio Lower Upper

107 100

109 94.4 64.7 120.1

188 3.4 3.0 4.6



#51

Chlorobenzene

Concen: 5.116 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.003 min

Lab File: VU053701.D

Acq: 13 Apr 2023 23:28

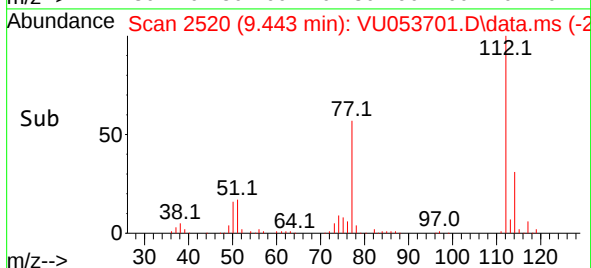
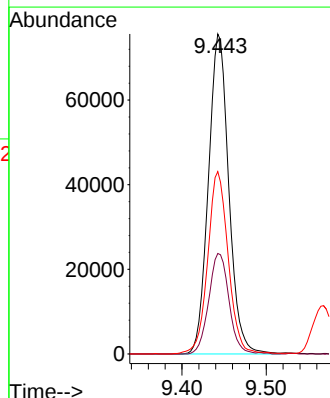
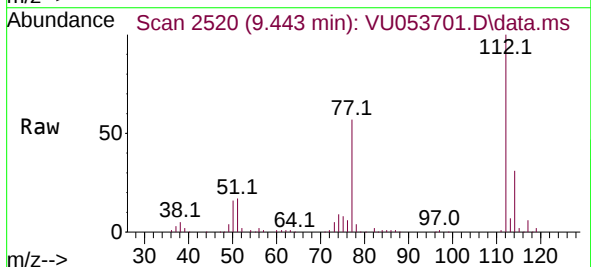
Tgt Ion:112 Resp: 127283

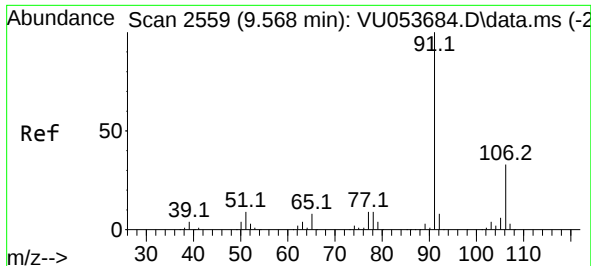
Ion Ratio Lower Upper

112 100

114 31.4 22.1 41.1

77 57.0 45.8 68.6

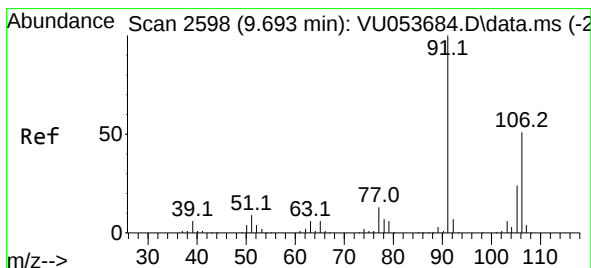
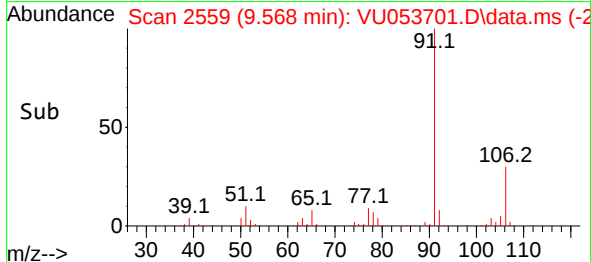
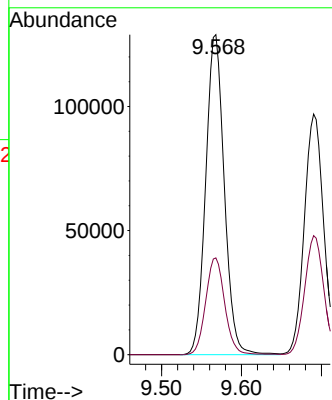
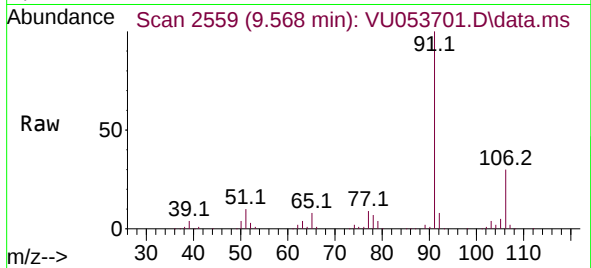




#52
Ethylbenzene
Concen: 4.852 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

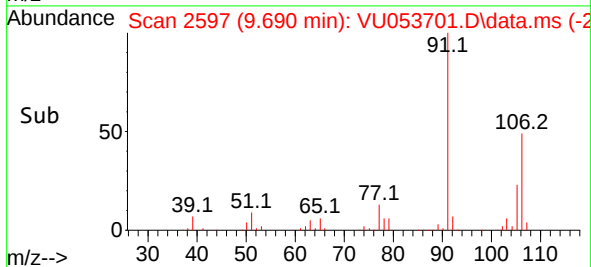
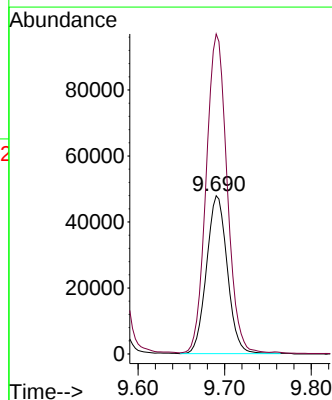
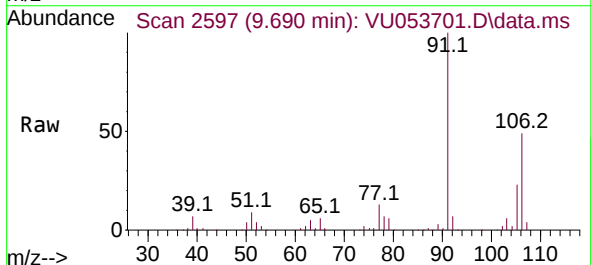
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

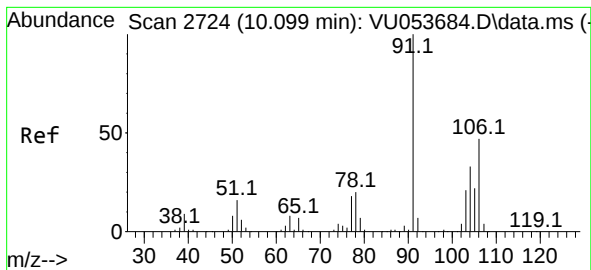
Tgt Ion: 91 Resp: 208624
Ion Ratio Lower Upper
91 100
106 30.3 22.5 41.9



#53
m,p-Xylene
Concen: 4.861 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

Tgt Ion: 106 Resp: 79682
Ion Ratio Lower Upper
106 100
91 202.1 138.8 257.8





#54

o-Xylene

Concen: 5.009 ug/L

RT: 10.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053701.D

Acq: 13 Apr 2023 23:28

Instrument :

MSVOA_U

ClientSampleId :

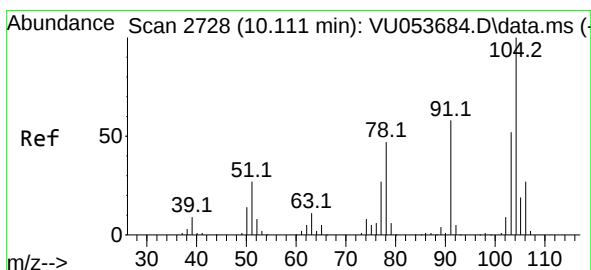
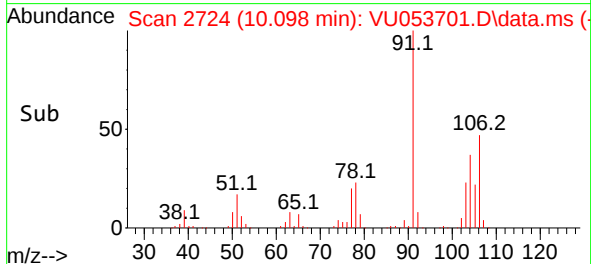
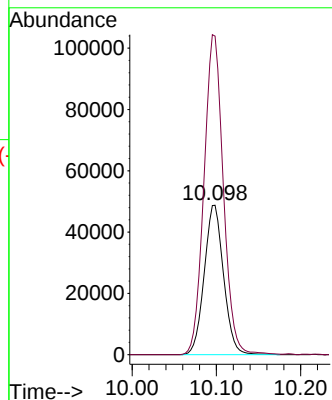
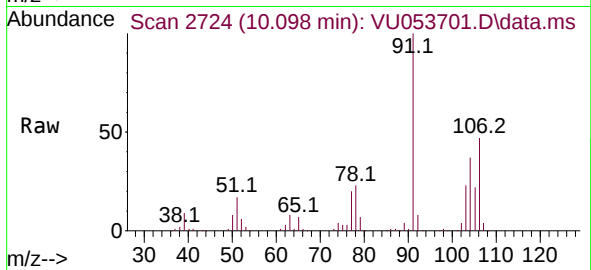
VSTD005148

Tgt Ion:106 Resp: 77909

Ion Ratio Lower Upper

106 100

91 213.3 150.8 280.0



#55

Styrene

Concen: 5.013 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU053701.D

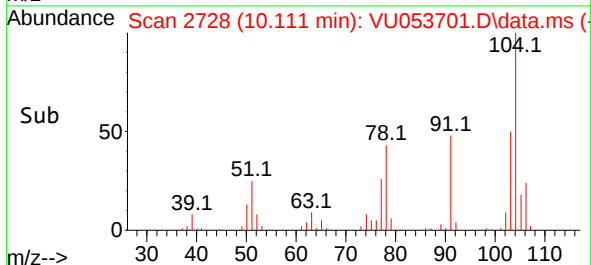
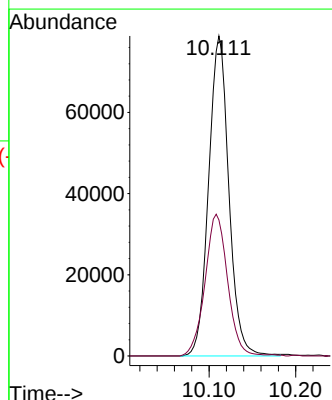
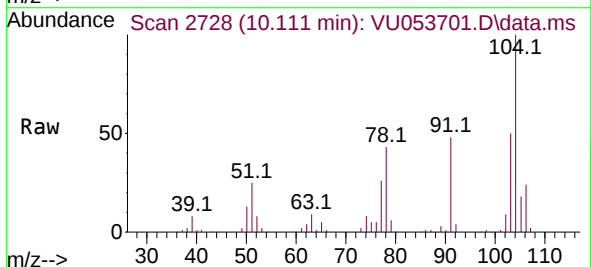
Acq: 13 Apr 2023 23:28

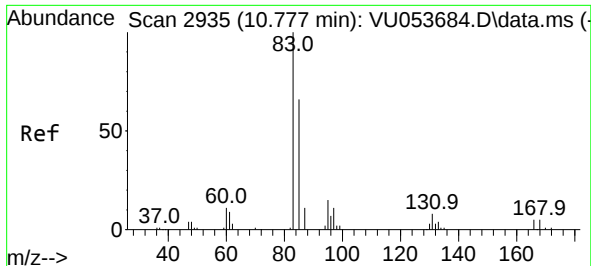
Tgt Ion:104 Resp: 128026

Ion Ratio Lower Upper

104 100

78 42.5 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.145 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU053701.D

Acq: 13 Apr 2023 23:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD005148

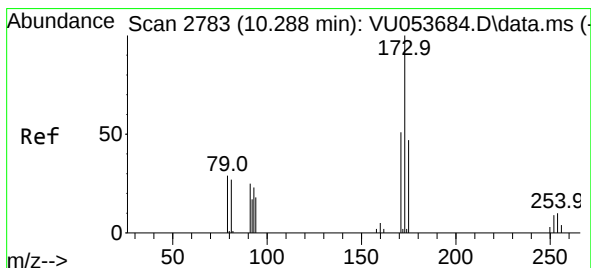
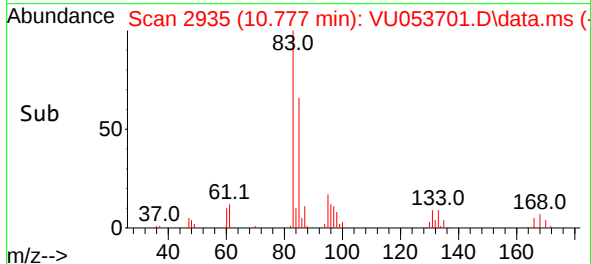
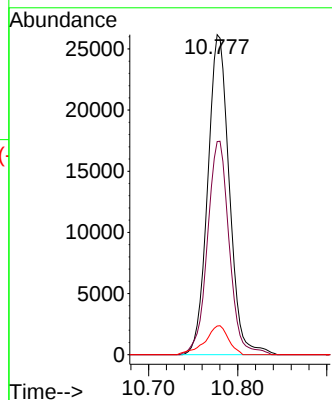
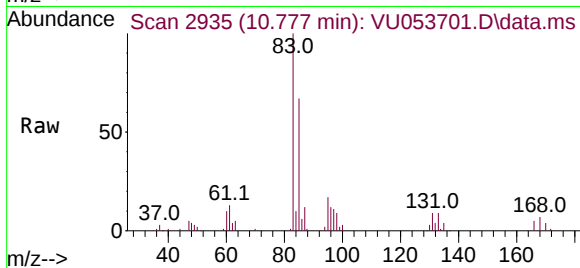
Tgt Ion: 83 Resp: 43977

Ion Ratio Lower Upper

83 100

85 66.6 43.8 81.4

131 9.0 7.2 10.8



#59

Bromoform

Concen: 5.134 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.003 min

Lab File: VU053701.D

Acq: 13 Apr 2023 23:28

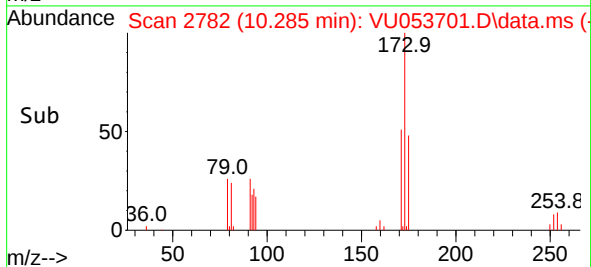
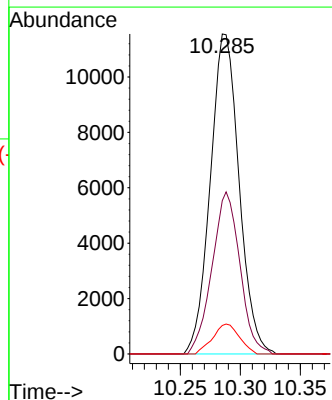
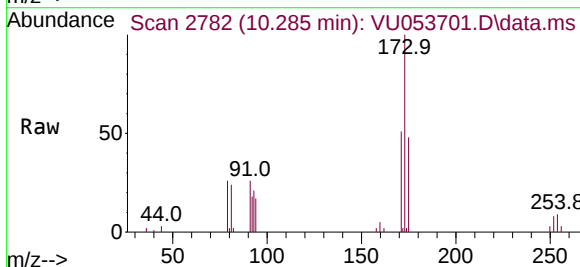
Tgt Ion:173 Resp: 19265

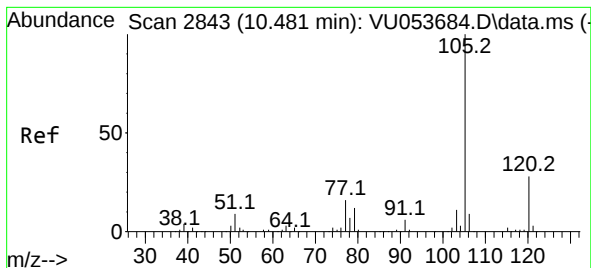
Ion Ratio Lower Upper

173 100

175 48.9 39.9 59.9

254 8.6 6.6 9.8





#60

Isopropylbenzene

Concen: 4.716 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VU053701.D

Acq: 13 Apr 2023 23:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD005148

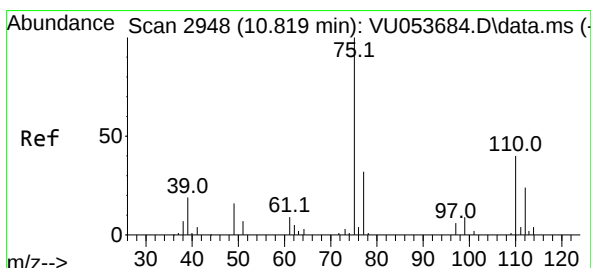
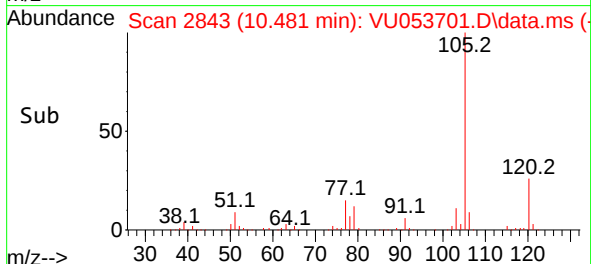
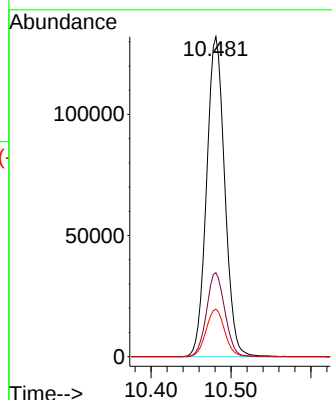
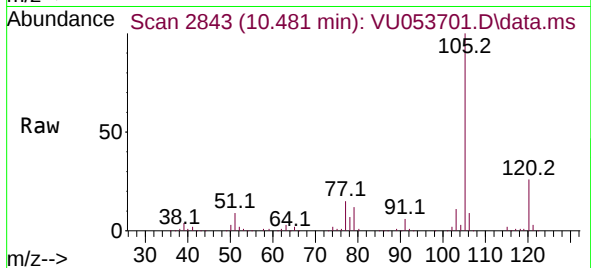
Tgt Ion:105 Resp: 208745

Ion Ratio Lower Upper

105 100

120 26.6 21.5 32.3

77 15.3 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 4.781 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. -0.000 min

Lab File: VU053701.D

Acq: 13 Apr 2023 23:28

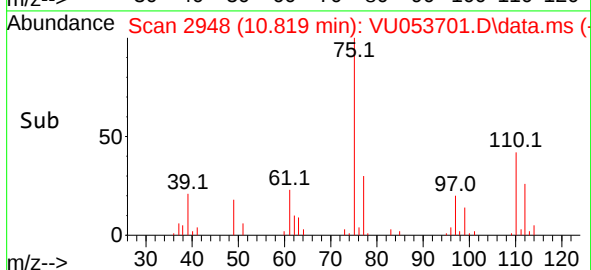
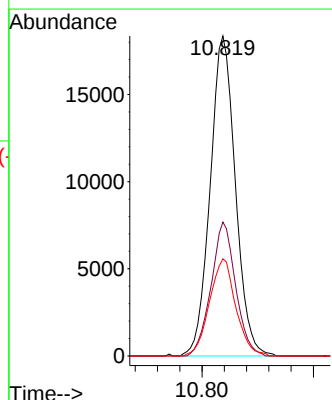
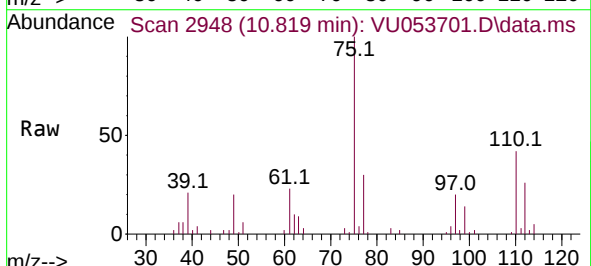
Tgt Ion: 75 Resp: 28867

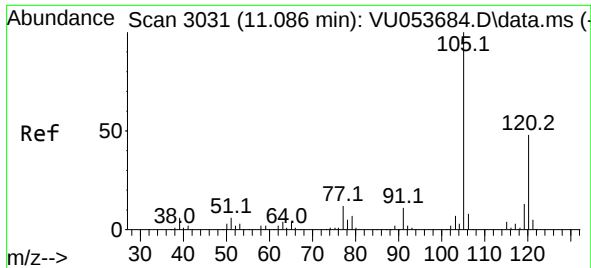
Ion Ratio Lower Upper

75 100

110 40.6 30.6 46.0

77 31.6 26.1 39.1

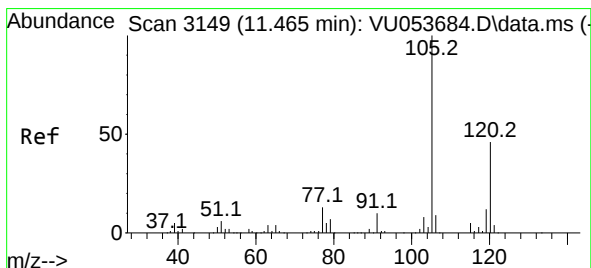
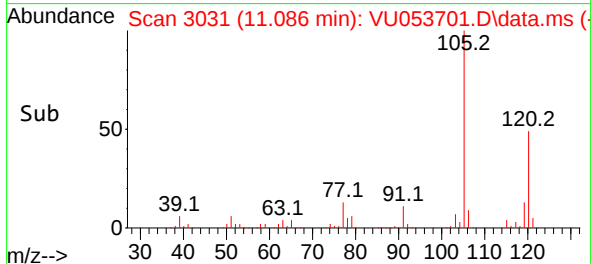
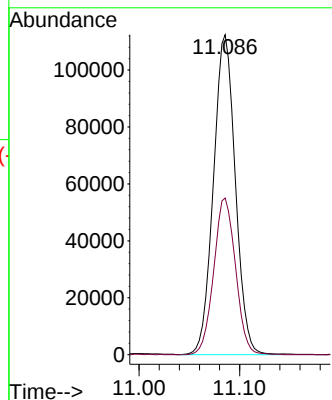
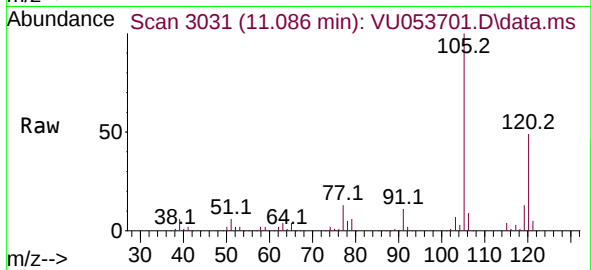




#62
 1,3,5-Trimethylbenzene
 Concen: 4.740 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU053701.D
 Acq: 13 Apr 2023 23:28

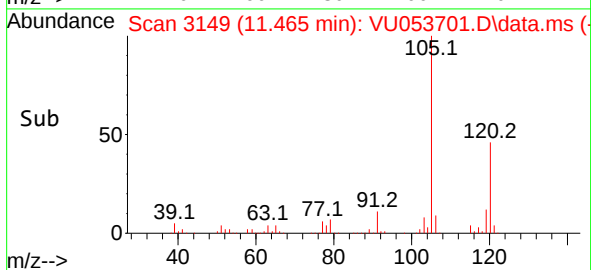
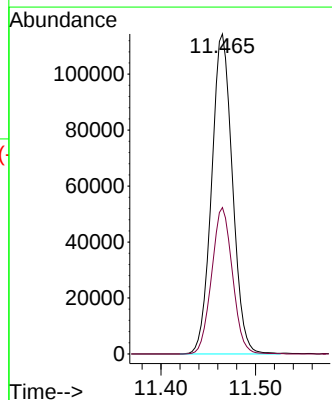
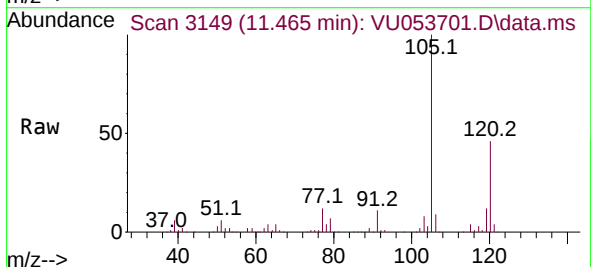
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005148

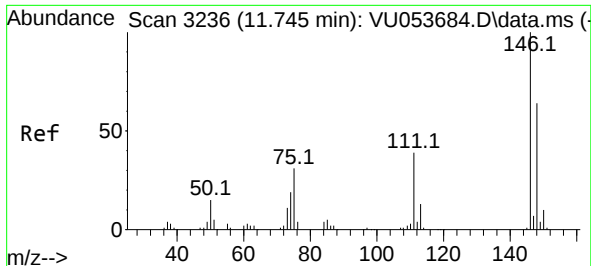
Tgt Ion:105 Resp: 170263
 Ion Ratio Lower Upper
 105 100
 120 48.7 37.8 56.8



#63
 1,2,4-Trimethylbenzene
 Concen: 4.758 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.000 min
 Lab File: VU053701.D
 Acq: 13 Apr 2023 23:28

Tgt Ion:105 Resp: 175030
 Ion Ratio Lower Upper
 105 100
 120 45.7 35.4 53.0

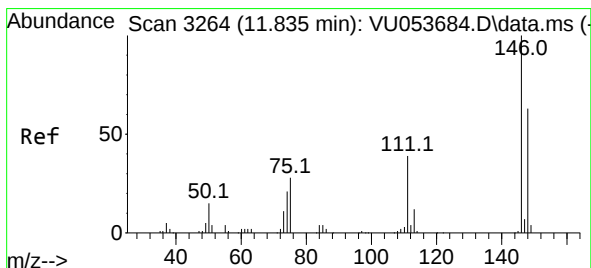
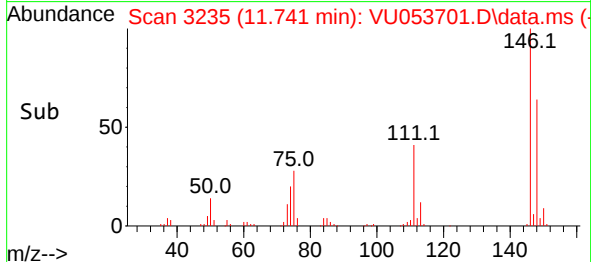
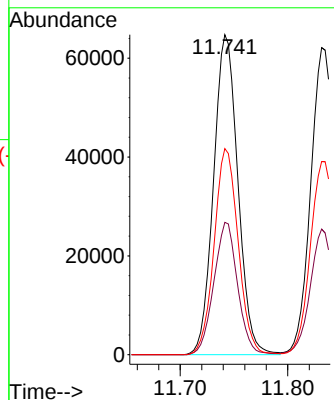
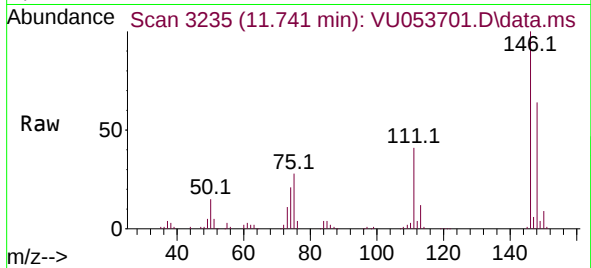




#64
1,3-Dichlorobenzene
Concen: 5.229 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

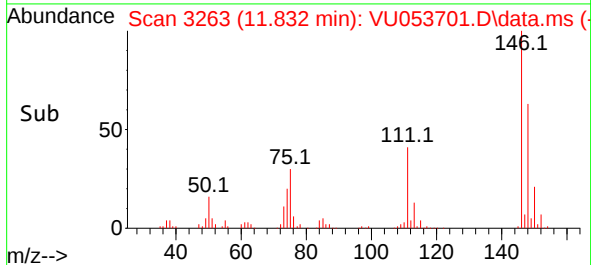
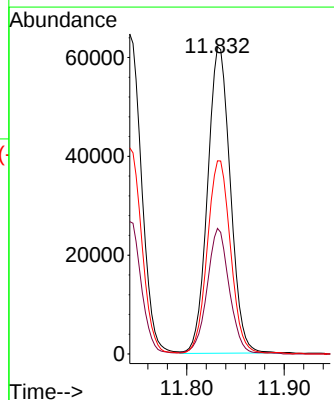
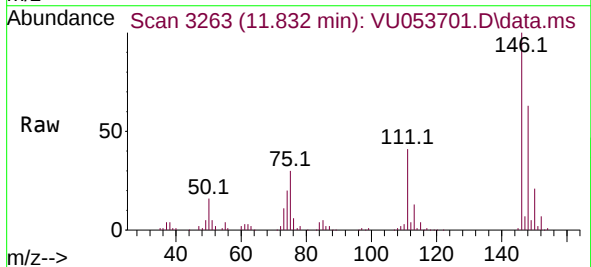
Instrument :
MSVOA_U
ClientSampleId :
VSTD005148

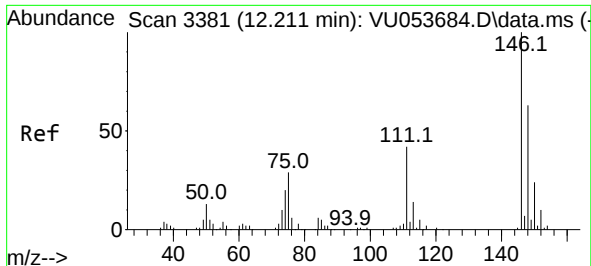
Tgt Ion:146 Resp: 101773
Ion Ratio Lower Upper
146 100
111 41.3 29.4 54.6
148 64.4 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.155 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.003 min
Lab File: VU053701.D
Acq: 13 Apr 2023 23:28

Tgt Ion:146 Resp: 100741
Ion Ratio Lower Upper
146 100
111 40.9 29.8 55.4
148 62.9 43.0 80.0





#67

1,2-Dichlorobenzene

Concen: 5.203 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU053701.D

Acq: 13 Apr 2023 23:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD005148

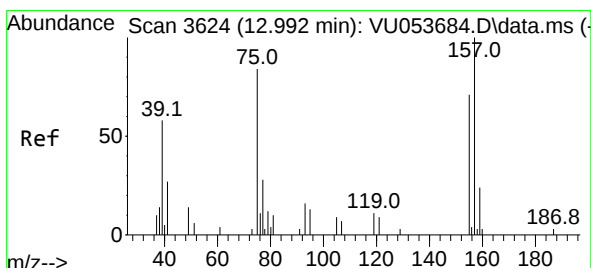
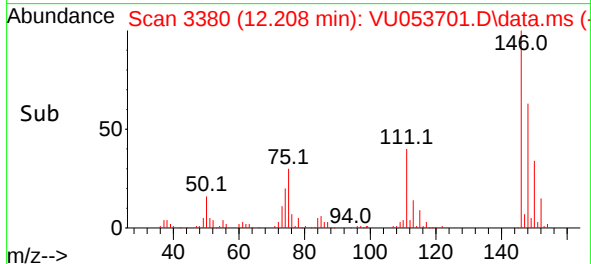
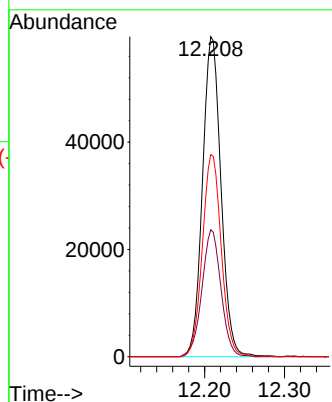
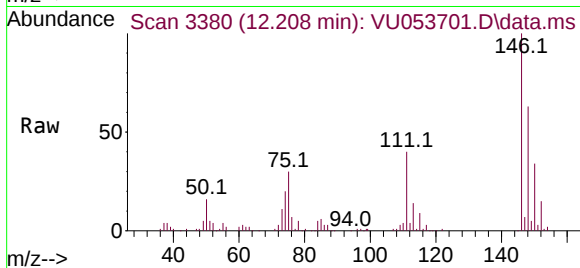
Tgt Ion:146 Resp: 96004

Ion Ratio Lower Upper

146 100

111 39.7 35.0 52.6

148 63.1 48.2 72.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.866 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU053701.D

Acq: 13 Apr 2023 23:28

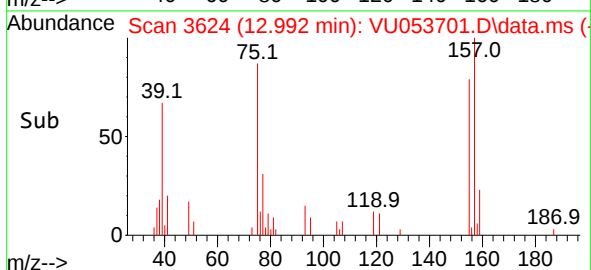
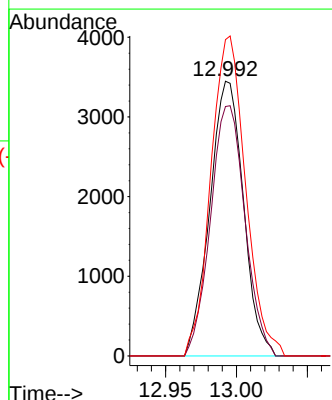
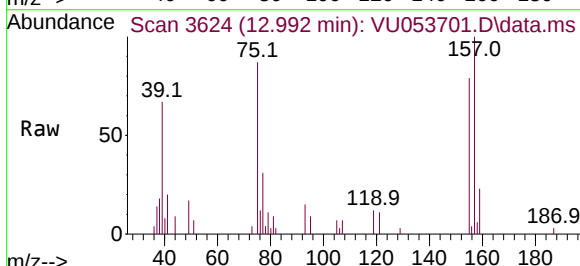
Tgt Ion: 75 Resp: 5697

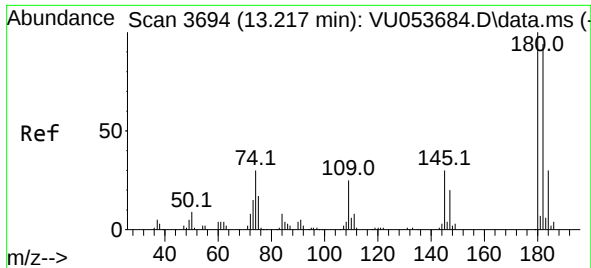
Ion Ratio Lower Upper

75 100

155 90.8 63.9 95.9

157 115.2 74.1 111.1#

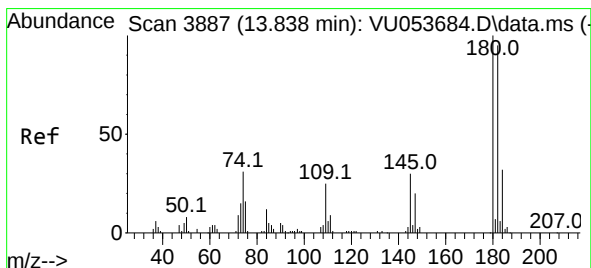
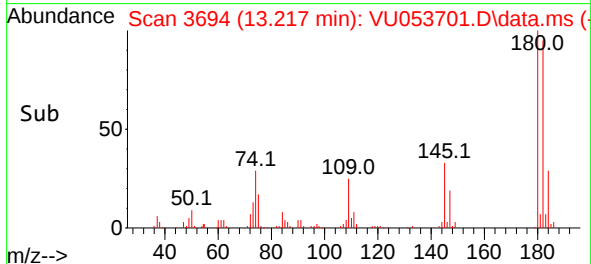
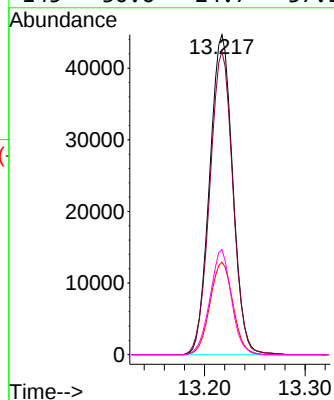
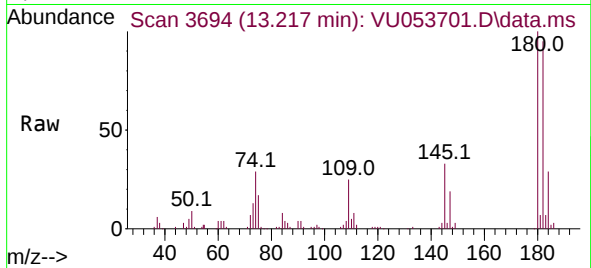




#69
 1,3,5-Trichlorobenzene
 Concen: 5.235 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. -0.000 min
 Lab File: VU053701.D
 Acq: 13 Apr 2023 23:28

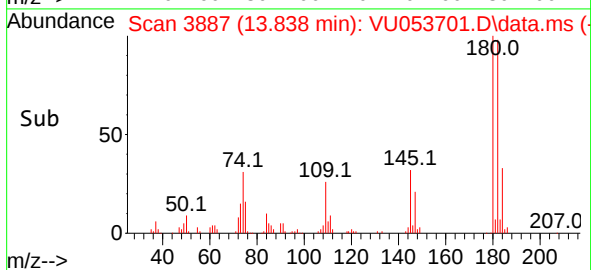
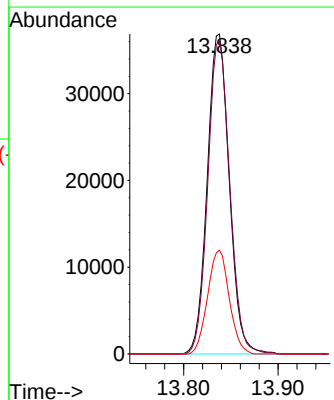
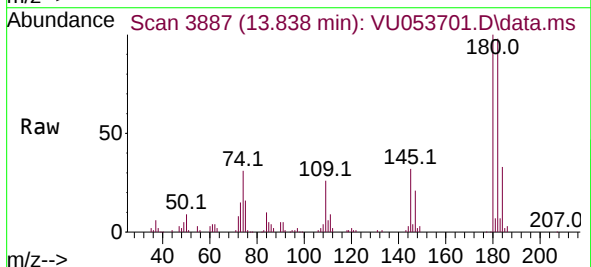
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005148

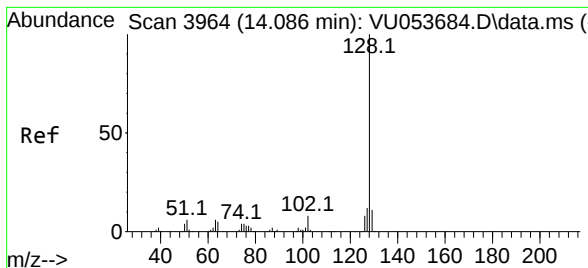
Tgt Ion:180 Resp: 71127
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.7 115.1
 184 28.7 24.1 36.1
 145 30.6 24.7 37.1



#70
 1,2,4-trichlorobenzene
 Concen: 5.528 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.000 min
 Lab File: VU053701.D
 Acq: 13 Apr 2023 23:28

Tgt Ion:180 Resp: 59713
 Ion Ratio Lower Upper
 180 100
 182 97.6 75.4 113.2
 145 31.8 25.8 38.8





#71

Naphthalene

Concen: 5.500 ug/L

RT: 14.082 min Scan# 3964

Delta R.T. -0.003 min

Lab File: VU053701.D

Acq: 13 Apr 2023 23:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD005148

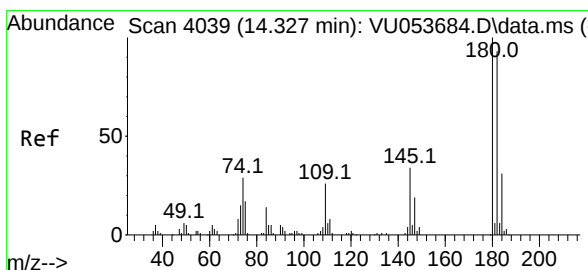
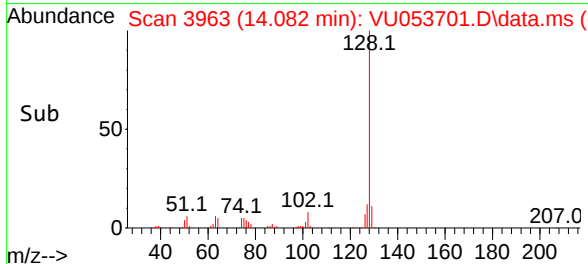
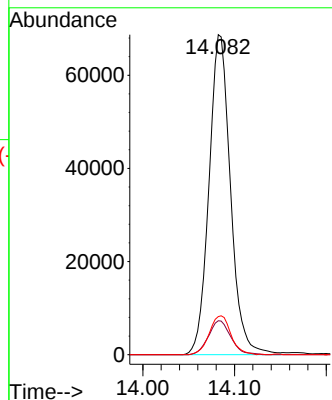
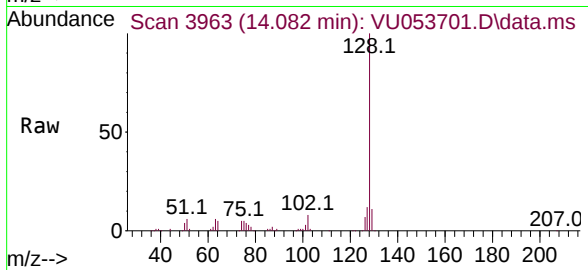
Tgt Ion:128 Resp: 111937

Ion Ratio Lower Upper

128 100

129 11.0 8.2 12.4

127 12.2 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 6.141 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. -0.000 min

Lab File: VU053701.D

Acq: 13 Apr 2023 23:28

Tgt Ion:180 Resp: 57904

Ion Ratio Lower Upper

180 100

182 95.0 74.8 112.2

145 32.7 26.3 39.5

