

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051823\
 Data File : VU054159.D
 Acq On : 18 May 2023 10:59
 Operator : JC/MD
 Sample : VSTD01028
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010028

Quant Time: May 19 01:41:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 19 01:39:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	176002	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	166298	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	96262	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	101119	9.769	ug/L	0.00
7) Chloroethane-d5	1.912	69	76978	8.916	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	65	46140	10.523	ug/L	0.00
20) 2-Butanone-d5	4.629	46	183930	96.057	ug/L	0.00
24) Chloroform-d	5.057	84	188589	9.562	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	86071	9.473	ug/L	0.00
32) Benzene-d6	5.723	84	370340	9.775	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.684	67	106530	9.317	ug/L	0.00
41) Toluene-d8	7.893	98	349400	9.840	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.173	79	44386	9.724	ug/L	0.00
46) 2-Hexanone-d5	8.629	63	134821	86.560	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	75917	8.256	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.185	152	124236	8.257	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	145888	11.181	ug/L	99
3) Chloromethane	1.517	50	130202	10.346	ug/L	99
5) Vinyl chloride	1.604	62	145094	10.149	ug/L	98
6) Bromomethane	1.858	94	87579	9.545	ug/L	97
8) Chloroethane	1.935	64	88362	9.872	ug/L	98
9) Trichlorofluoromethane	2.134	101	227879	10.577	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	135270	10.756	ug/L	98
12) 1,1-Dichloroethene	2.578	96	116452	10.530	ug/L	99
13) Acetone	2.646	43	253740	145.598	ug/L	98
14) Carbon disulfide	2.790	76	301885	10.164	ug/L	99
15) Methyl Acetate	2.951	43	45032	12.504	ug/L	97
16) Methylene chloride	3.041	84	136644	9.087	ug/L	98
17) Methyl tert-butyl Ether	3.359	73	296975	12.016	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	121634	10.848	ug/L	99
19) 1,1-Dichloroethane	3.864	63	242050	11.766	ug/L	97
21) 2-Butanone	4.710	43	342504	143.392	ug/L	98
22) cis-1,2-Dichloroethene	4.662	96	140798	11.053	ug/L	95
23) Bromochloromethane	4.970	128	62610	11.116	ug/L	95
25) Chloroform	5.083	83	253906	11.378	ug/L	100
27) 1,2-Dichloroethane	5.790	62	149651	11.626	ug/L	99
29) 1,1,1-Trichloroethane	5.311	97	228359	11.920	ug/L	99
30) Cyclohexane	5.382	56	193404	11.518	ug/L	99
31) Carbon tetrachloride	5.520	117	203871	12.278	ug/L	99
33) Benzene	5.768	78	524151	11.150	ug/L	100
34) Trichloroethene	6.536	95	143580	11.252	ug/L	98
35) Methylcyclohexane	6.758	83	211895	10.941	ug/L	98
37) 1,2-Dichloropropane	6.784	63	135163	11.460	ug/L	99
38) Bromodichloromethane	7.099	83	172530	11.649	ug/L	97
39) cis-1,3-Dichloropropene	7.604	75	209725	11.713	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	711473	128.282	ug/L	100
42) Toluene	7.964	91	568162	11.388	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	172848	11.925	ug/L	94

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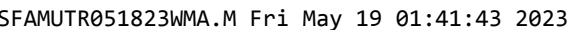
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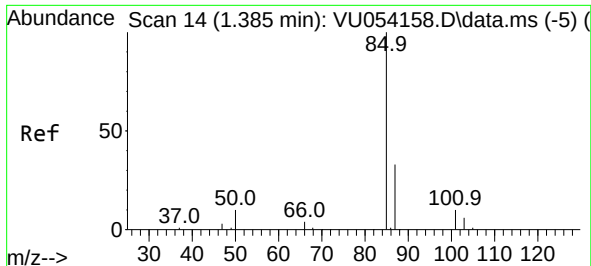
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.395	97	97091	11.089	ug/L	99
47) Tetrachloroethene	8.549	164	116987	11.461	ug/L	98
48) 2-Hexanone	8.681	43	555868	131.297	ug/L	100
49) Dibromochloromethane	8.803	129	111525	11.865	ug/L	99
50) 1,2-Dibromoethane	8.919	107	90719	11.173	ug/L	98
51) Chlorobenzene	9.443	112	374192	11.008	ug/L	99
52) Ethylbenzene	9.565	91	647960	11.739	ug/L	100
53) m,p-Xylene	9.690	106	249983	11.841	ug/L	98
54) o-Xylene	10.095	106	244652	11.988	ug/L	99
55) Styrene	10.108	104	414468	12.377	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	114089	10.802	ug/L	99
59) Bromoform	10.285	173	66018	11.655	ug/L	99
60) Isopropylbenzene	10.478	105	667458	11.430	ug/L	100
61) 1,2,3-Trichloropropane	10.816	75	81786	10.845	ug/L	98
62) 1,3,5-Trimethylbenzene	11.083	105	561911	11.796	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	570149	11.827	ug/L	99
64) 1,3-Dichlorobenzene	11.738	146	320582	10.978	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	313127	10.606	ug/L	98
67) 1,2-Dichlorobenzene	12.205	146	293775	10.825	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	18193	11.516	ug/L	89
69) 1,3,5-Trichlorobenzene	13.214	180	250342	11.784	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	209393	10.838	ug/L	99
71) Naphthalene	14.079	128	311256	9.345	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	183016	10.594	ug/L	99

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

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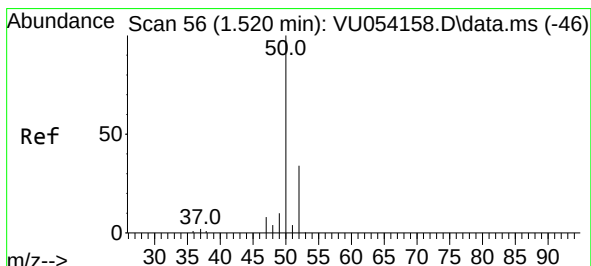
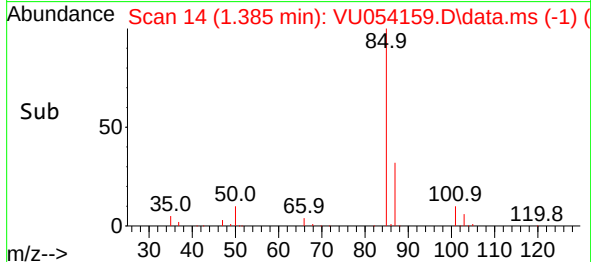
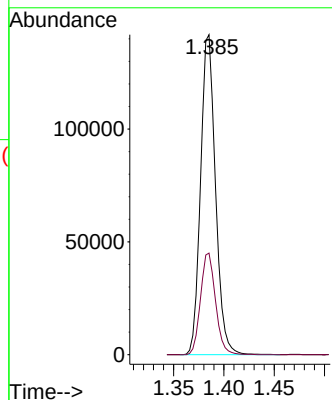
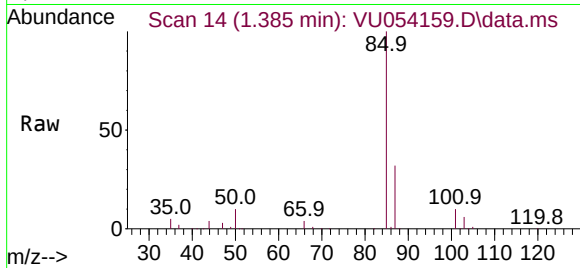




#2
Dichlorodifluoromethane
Concen: 11.181 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

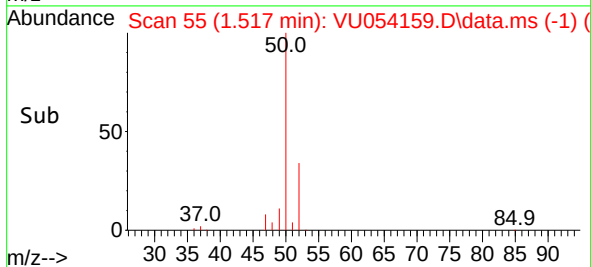
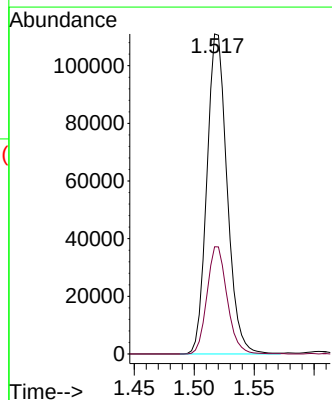
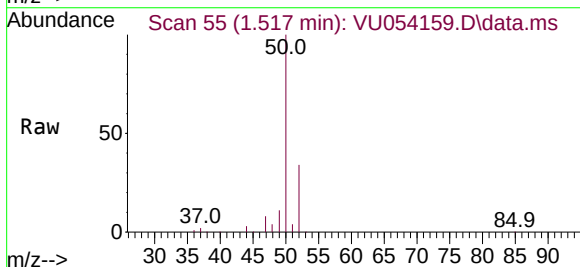
Instrument :
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VSTD010028

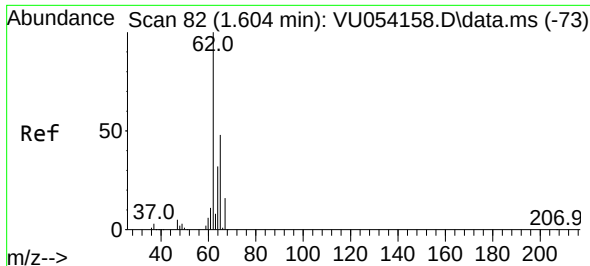
Tgt Ion: 85 Resp: 145888
Ion Ratio Lower Upper
85 100
87 31.9 26.1 39.1



#3
Chloromethane
Concen: 10.346 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

Tgt Ion: 50 Resp: 130202
Ion Ratio Lower Upper
50 100
52 33.5 23.7 44.1

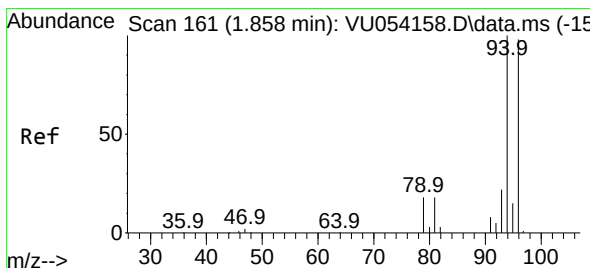
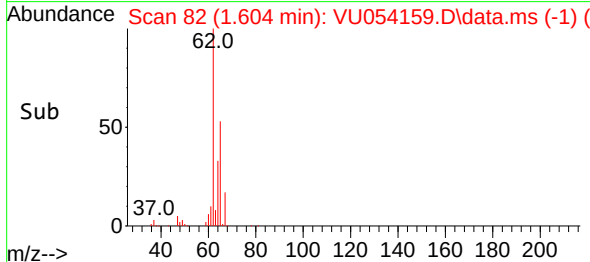
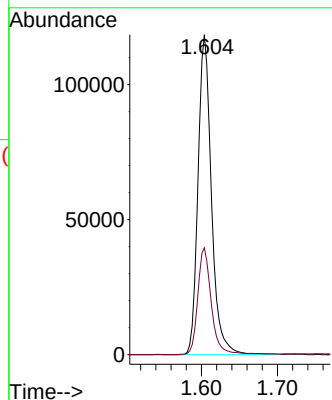
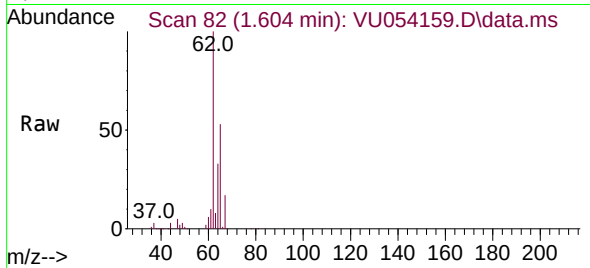




#5
 Vinyl chloride
 Concen: 10.149 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU054159.D
 Acq: 18 May 2023 10:59

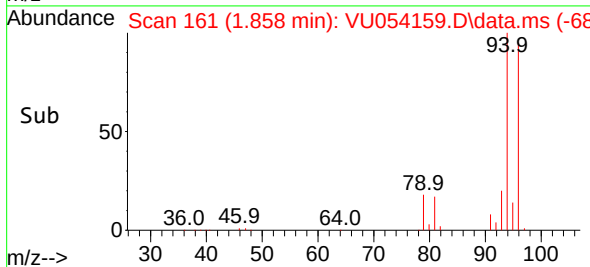
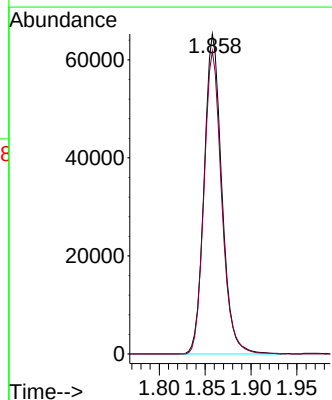
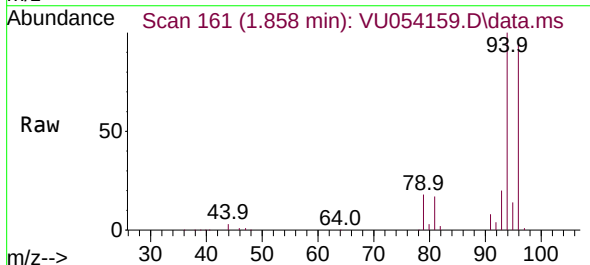
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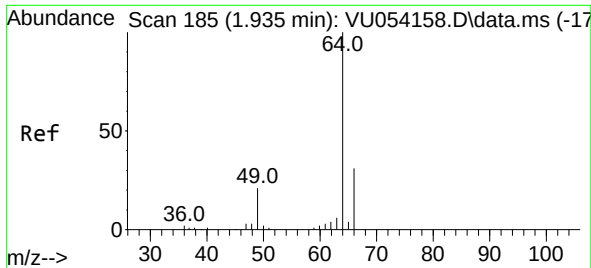
Tgt Ion: 62 Resp: 145094
 Ion Ratio Lower Upper
 62 100
 64 33.4 22.4 41.6



#6
 Bromomethane
 Concen: 9.545 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU054159.D
 Acq: 18 May 2023 10:59

Tgt Ion: 94 Resp: 87579
 Ion Ratio Lower Upper
 94 100
 96 94.6 68.7 127.5





#8

Chloroethane

Concen: 9.872 ug/L

RT: 1.935 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

Instrument :

MSVOA_U

ClientSampleId :

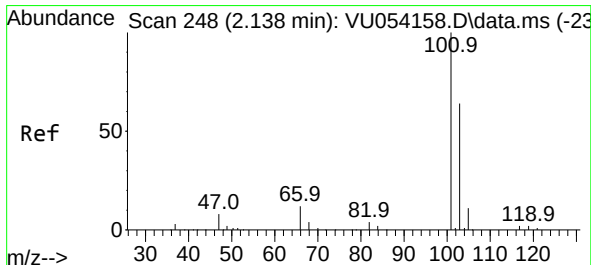
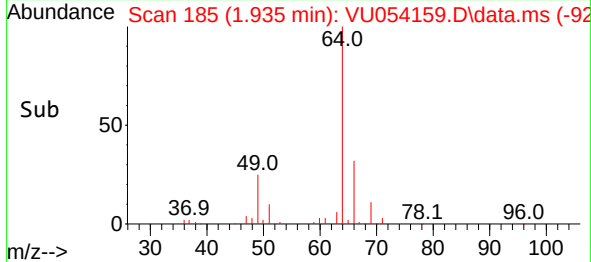
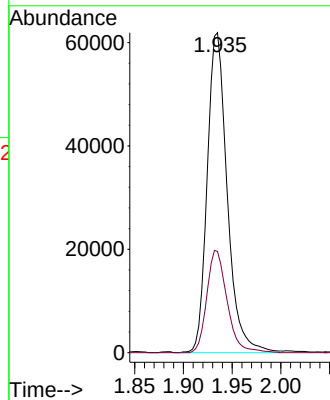
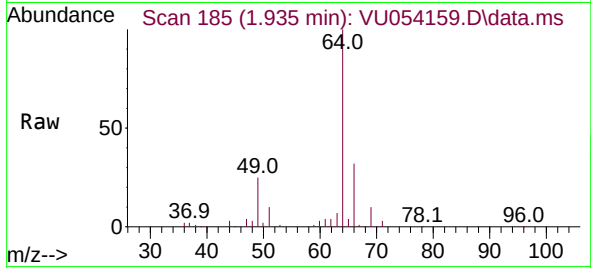
VSTD010028

Tgt Ion: 64 Resp: 88362

Ion Ratio Lower Upper

64 100

66 31.6 21.6 40.0



#9

Trichlorofluoromethane

Concen: 10.577 ug/L

RT: 2.134 min Scan# 247

Delta R.T. -0.003 min

Lab File: VU054159.D

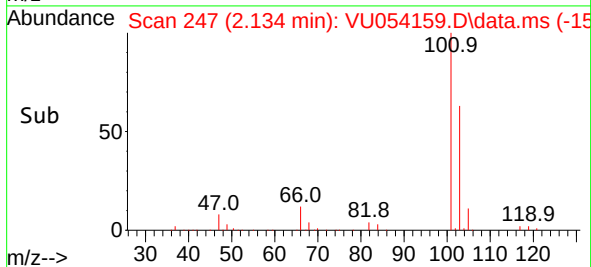
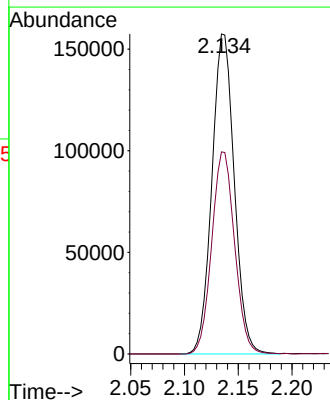
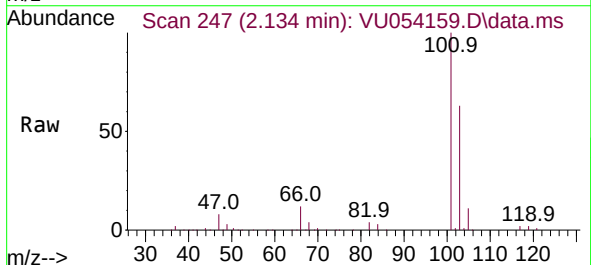
Acq: 18 May 2023 10:59

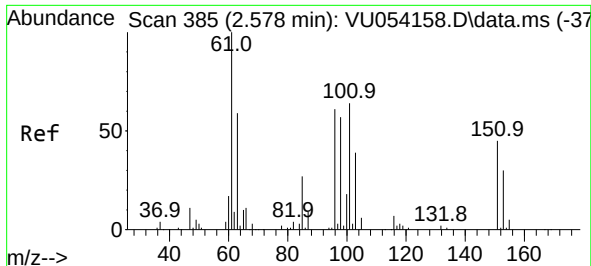
Tgt Ion:101 Resp: 227879

Ion Ratio Lower Upper

101 100

103 64.6 51.0 76.6

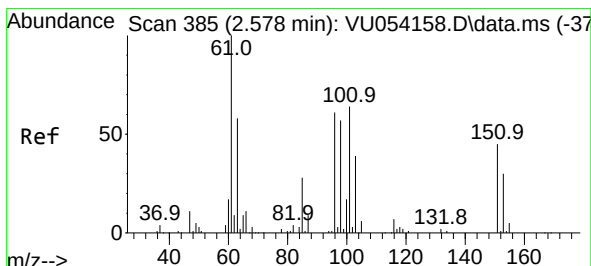
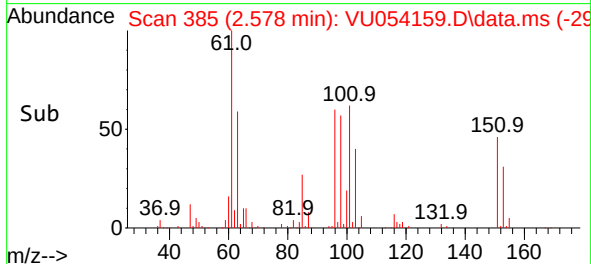
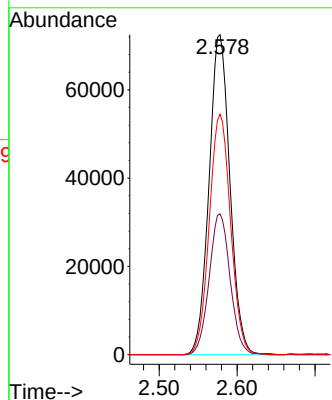
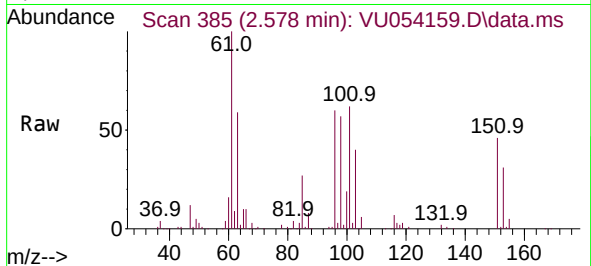




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.756 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU054159.D
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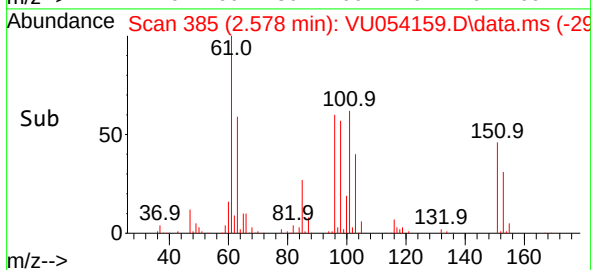
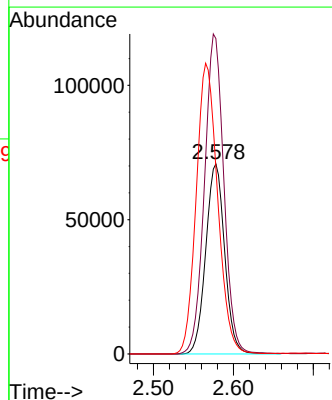
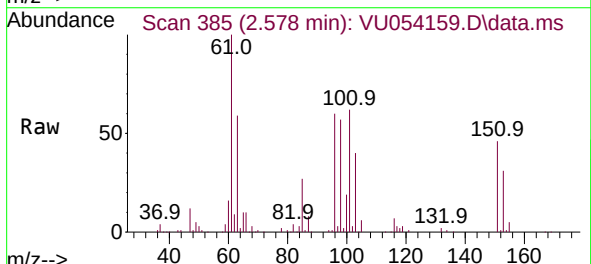
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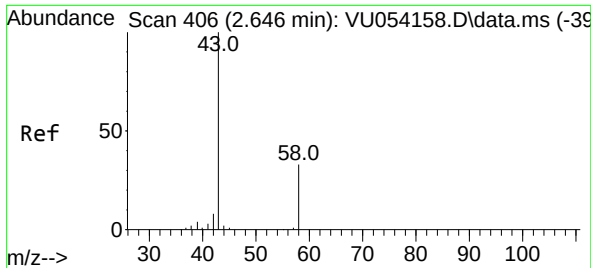
Tgt Ion:101 Resp: 135270
 Ion Ratio Lower Upper
 101 100
 85 44.2 35.0 52.4
 151 76.6 59.0 88.6



#12
 1,1-Dichloroethene
 Concen: 10.530 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU054159.D
 Acq: 18 May 2023 10:59

Tgt Ion: 96 Resp: 116452
 Ion Ratio Lower Upper
 96 100
 61 165.8 114.7 212.9
 63 97.8 68.6 127.4





#13

Acetone

Concen: 145.598 ug/L

RT: 2.646 min Scan# 406

Delta R.T. 0.000 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

Instrument :

MSVOA_U

ClientSampleId :

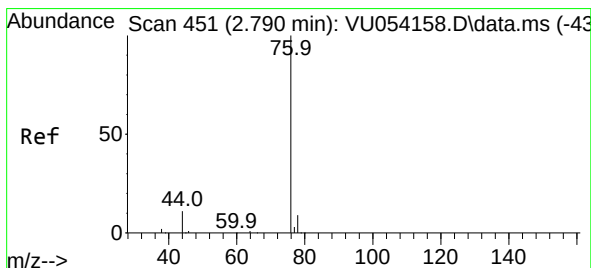
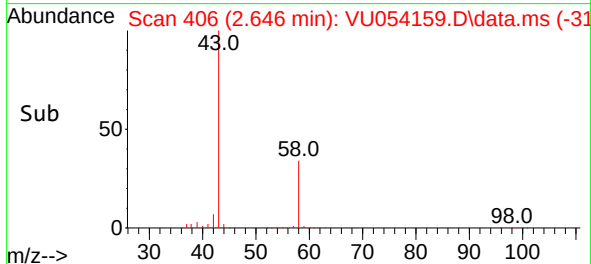
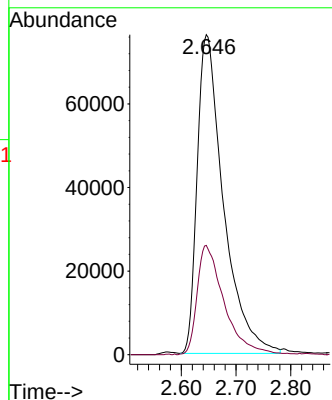
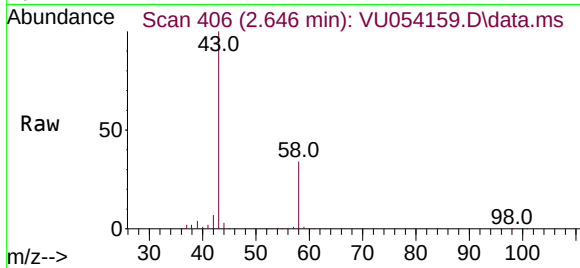
VSTD010028

Tgt Ion: 43 Resp: 253740

Ion Ratio Lower Upper

43 100

58 35.2 0.0 73.2



#14

Carbon disulfide

Concen: 10.164 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU054159.D

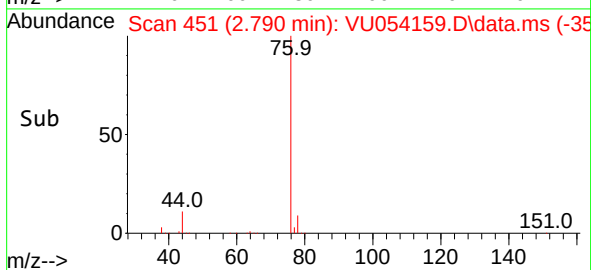
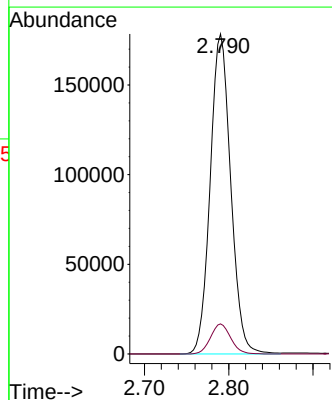
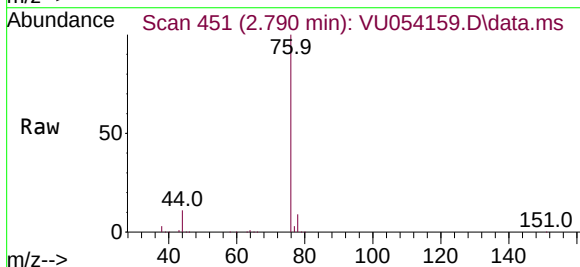
Acq: 18 May 2023 10:59

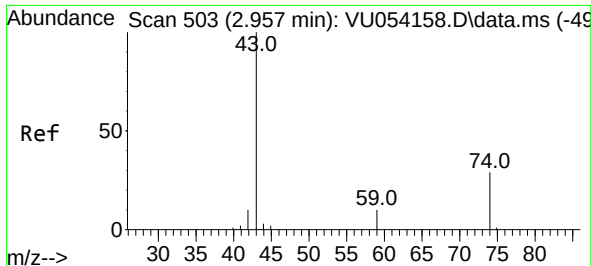
Tgt Ion: 76 Resp: 301885

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

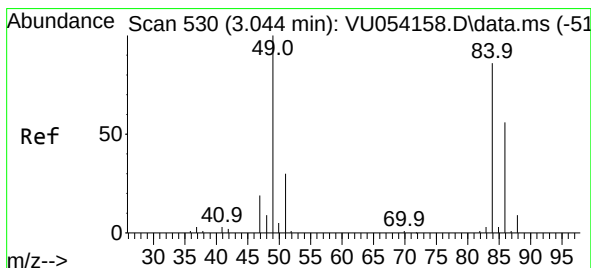
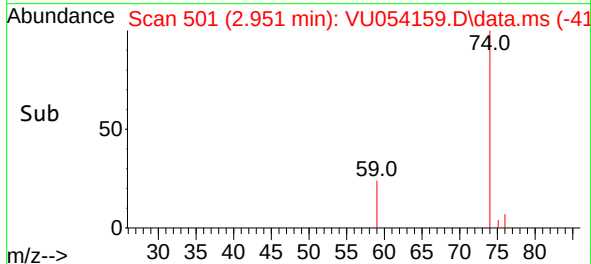
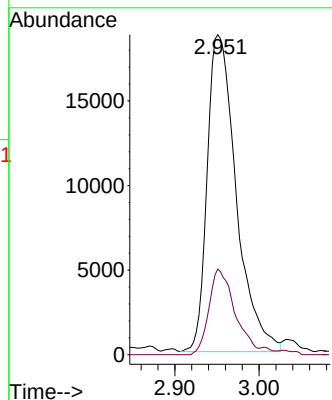
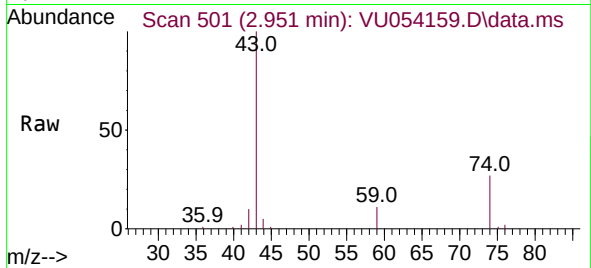




#15
Methyl Acetate
Concen: 12.504 ug/L
RT: 2.951 min Scan# 503
Delta R.T. -0.006 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

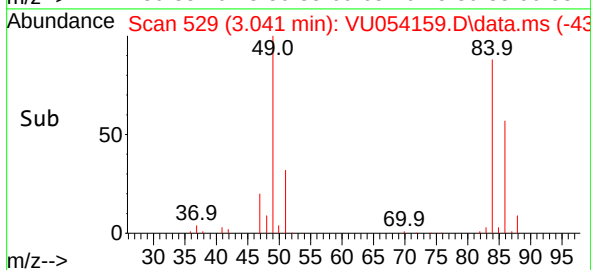
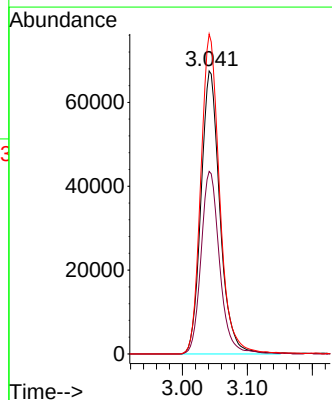
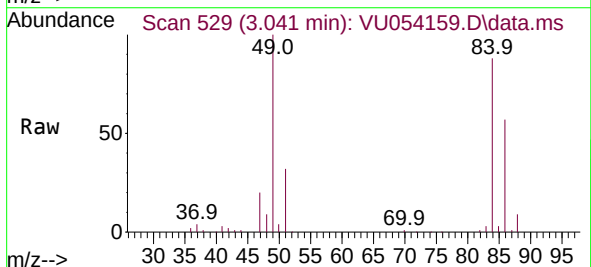
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MSVOA_U
ClientSampleId :
VSTD010028

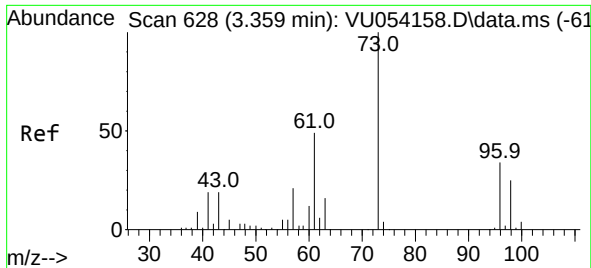
Tgt Ion: 43 Resp: 45032
Ion Ratio Lower Upper
43 100
74 24.0 20.3 30.5



#16
Methylene chloride
Concen: 9.087 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

Tgt Ion: 84 Resp: 136644
Ion Ratio Lower Upper
84 100
86 64.5 45.5 84.5
49 113.0 81.3 150.9

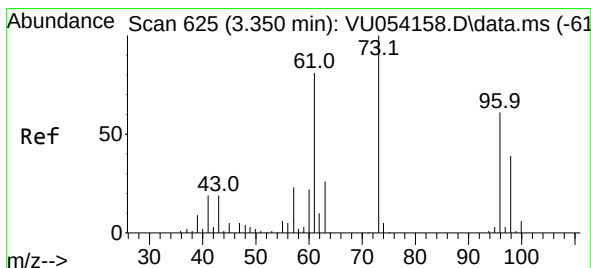
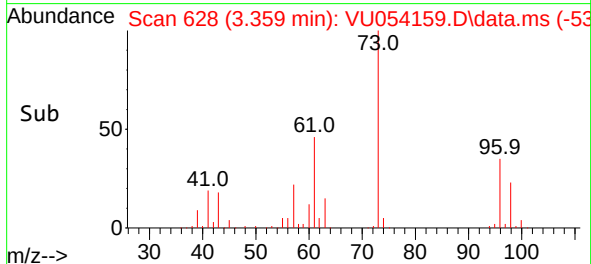
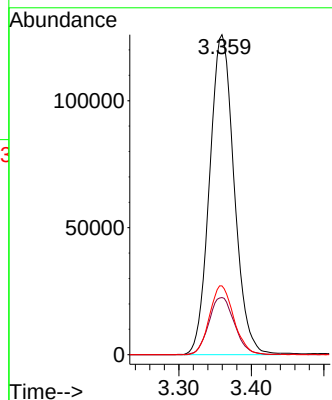
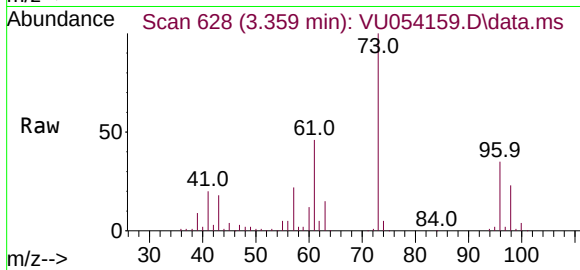




#17
Methyl tert-butyl Ether
Concen: 12.016 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

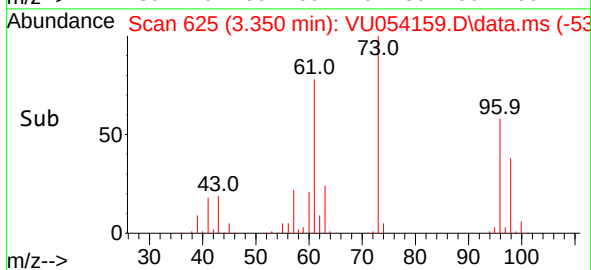
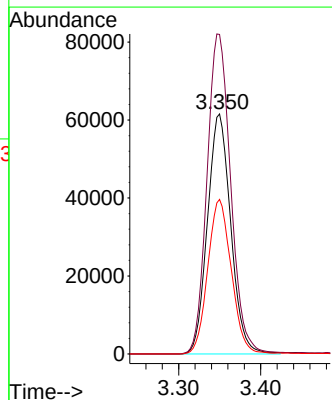
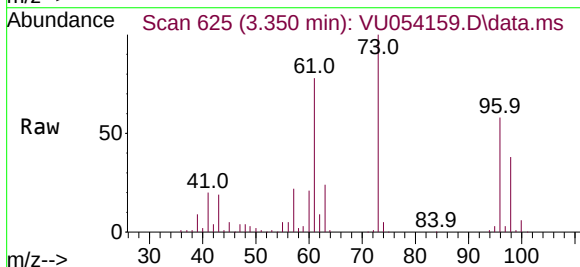
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

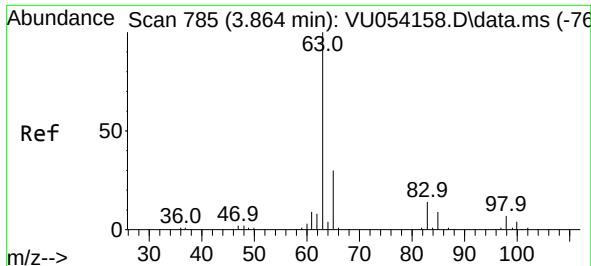
Tgt Ion:	73	Resp:	296975
Ion	Ratio	Lower	Upper
73	100		
43	18.7	14.6	22.0
57	21.3	17.1	25.7



#18
trans-1,2-Dichloroethene
Concen: 10.848 ug/L
RT: 3.350 min Scan# 625
Delta R.T. 0.000 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

Tgt Ion:	96	Resp:	121634
Ion	Ratio	Lower	Upper
96	100		
61	133.1	94.1	174.8
98	64.4	45.3	84.1

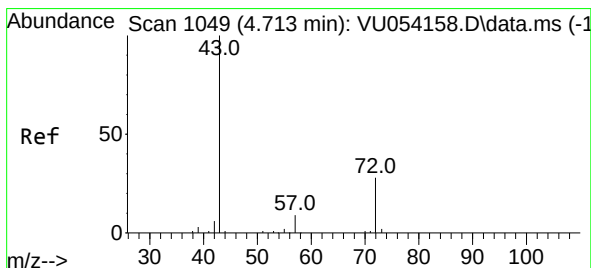
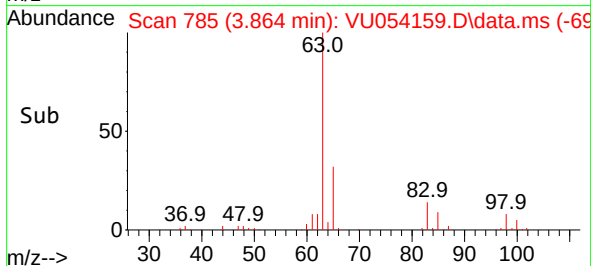
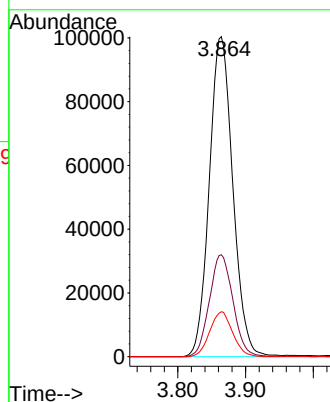
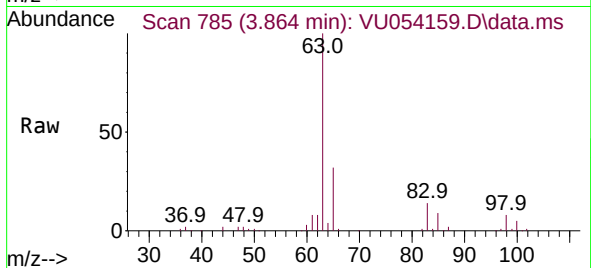




#19
1,1-Dichloroethane
Concen: 11.766 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

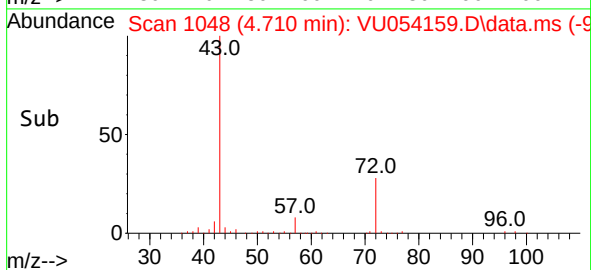
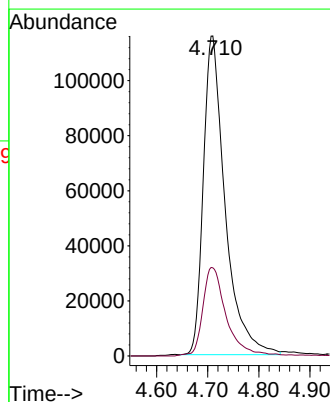
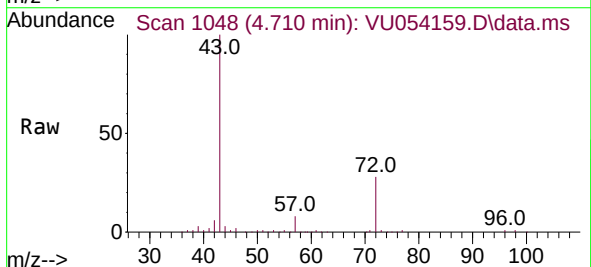
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

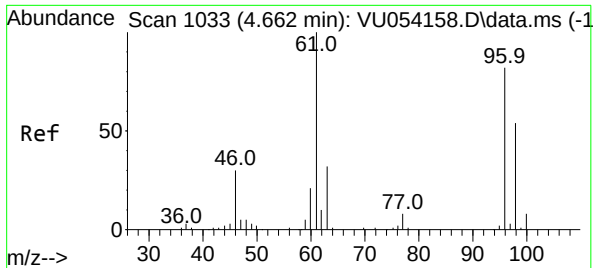
Tgt Ion: 63 Resp: 242050
Ion Ratio Lower Upper
63 100
65 31.8 20.7 38.5
83 14.1 10.1 18.7



#21
2-Butanone
Concen: 143.392 ug/L
RT: 4.710 min Scan# 1048
Delta R.T. -0.003 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

Tgt Ion: 43 Resp: 342504
Ion Ratio Lower Upper
43 100
72 29.6 14.2 42.8





#22

cis-1,2-Dichloroethene

Concen: 11.053 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD010028

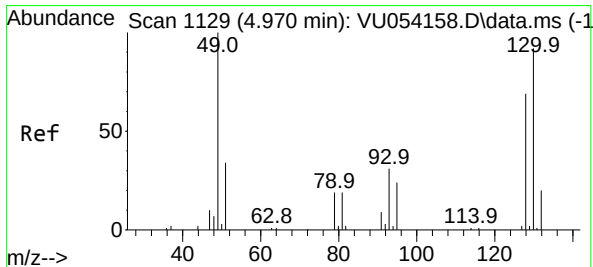
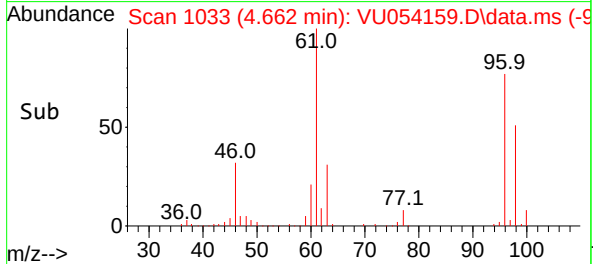
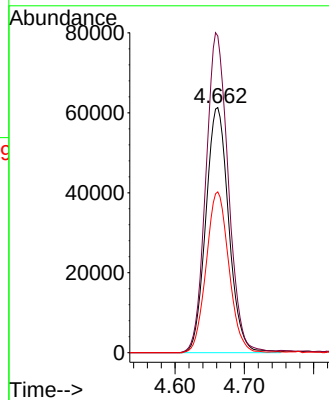
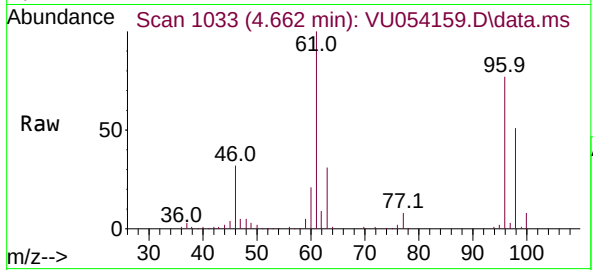
Tgt Ion: 96 Resp: 140798

Ion Ratio Lower Upper

96 100

61 129.1 85.0 157.8

98 65.6 45.8 85.0



#23

Bromochloromethane

Concen: 11.116 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

Tgt Ion:128 Resp: 62610

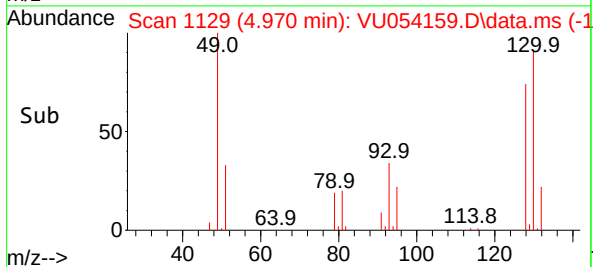
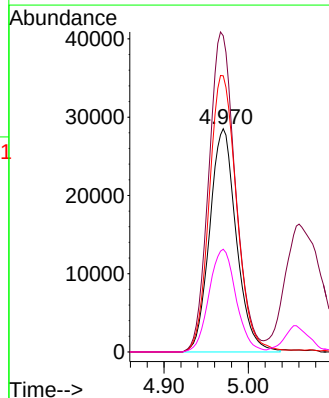
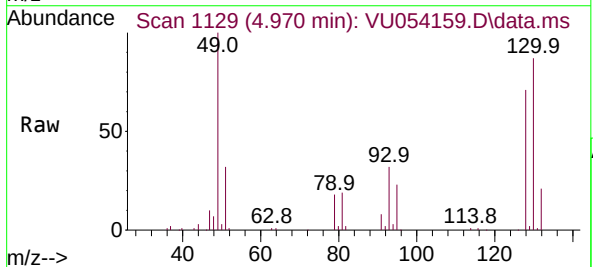
Ion Ratio Lower Upper

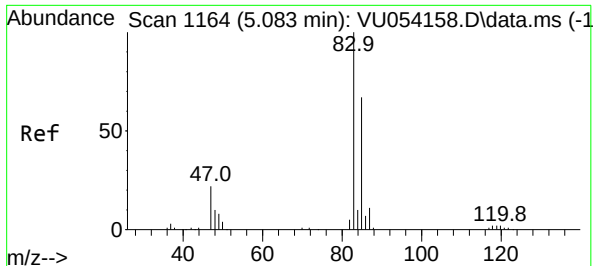
128 100

49 141.6 100.9 187.3

130 123.7 93.2 173.0

51 46.0 38.9 58.3





#25

Chloroform

Concen: 11.378 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

Instrument :

MSVOA_U

ClientSampleId :

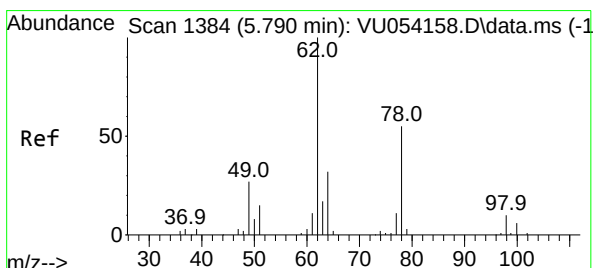
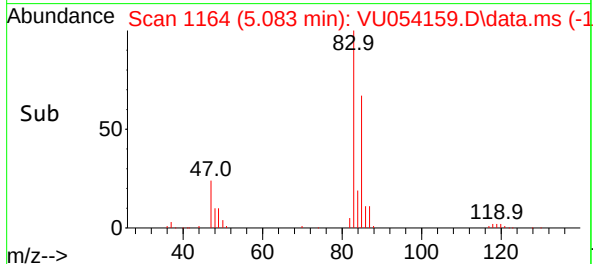
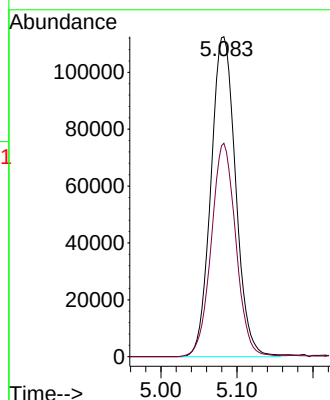
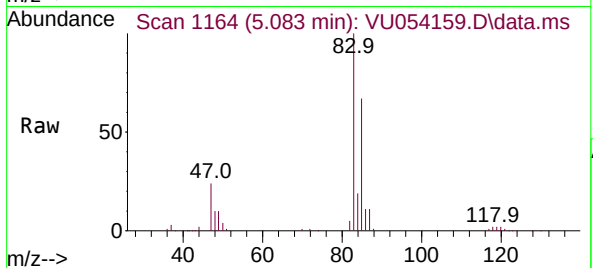
VSTD010028

Tgt Ion: 83 Resp: 253906

Ion Ratio Lower Upper

83 100

85 66.7 46.8 87.0



#27

1,2-Dichloroethane

Concen: 11.626 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU054159.D

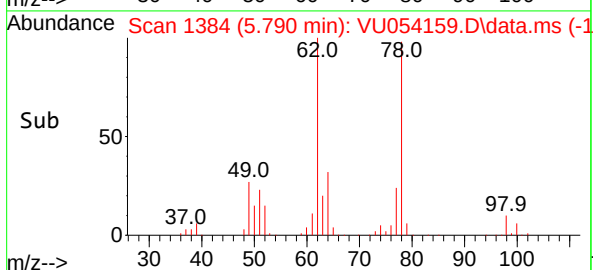
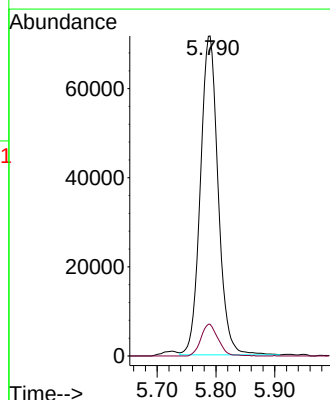
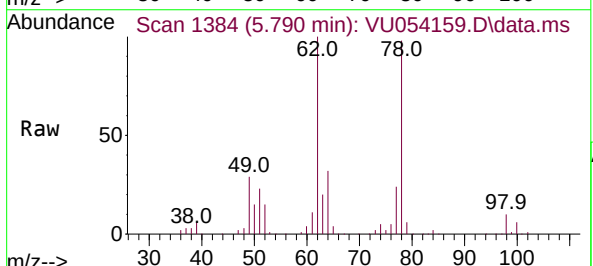
Acq: 18 May 2023 10:59

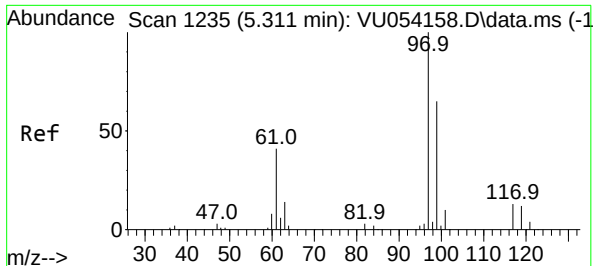
Tgt Ion: 62 Resp: 149651

Ion Ratio Lower Upper

62 100

98 9.9 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 11.920 ug/L

RT: 5.311 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD010028

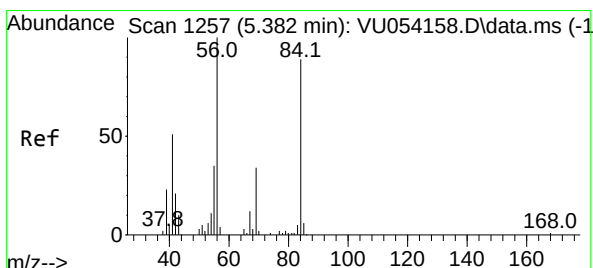
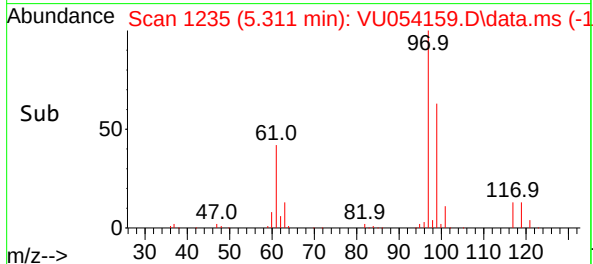
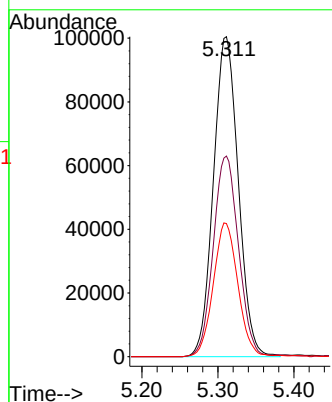
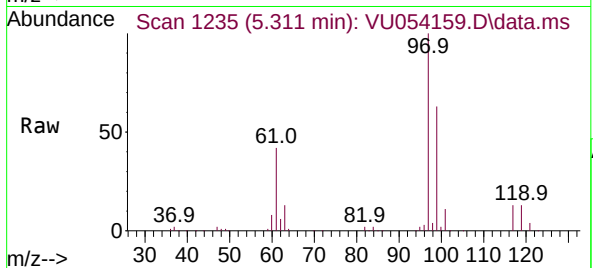
Tgt Ion: 97 Resp: 228359

Ion Ratio Lower Upper

97 100

99 63.6 51.8 77.6

61 41.5 33.4 50.2



#30

Cyclohexane

Concen: 11.518 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

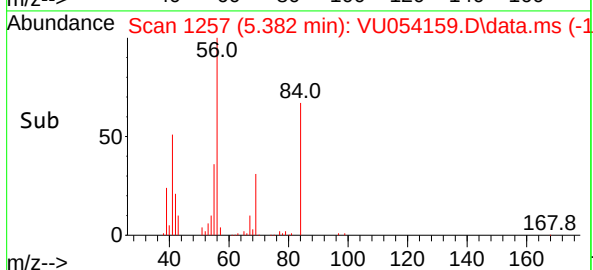
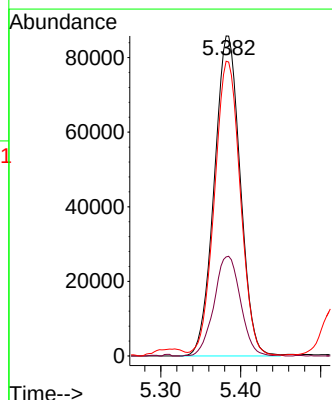
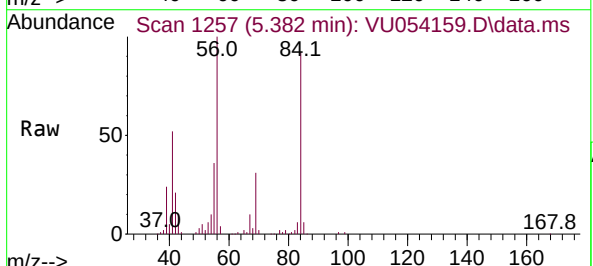
Tgt Ion: 56 Resp: 193404

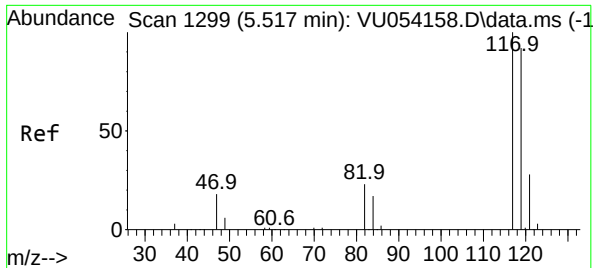
Ion Ratio Lower Upper

56 100

69 31.6 26.2 39.4

84 91.6 74.2 111.4

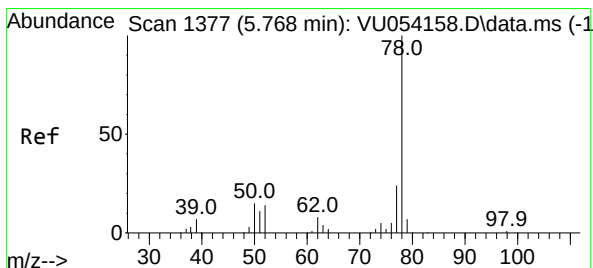
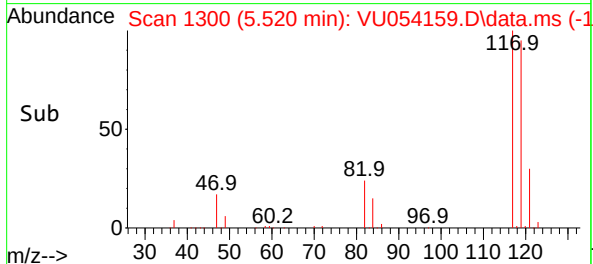
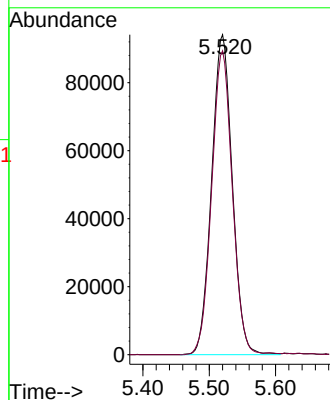
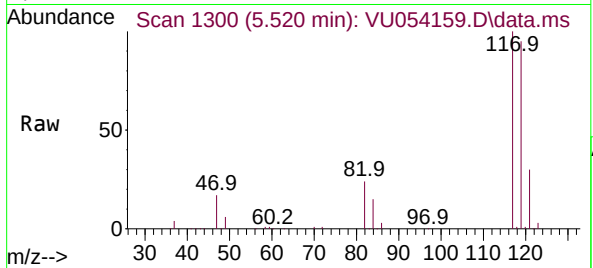




#31
Carbon tetrachloride
Concen: 12.278 ug/L
RT: 5.520 min Scan# 111
Delta R.T. 0.003 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

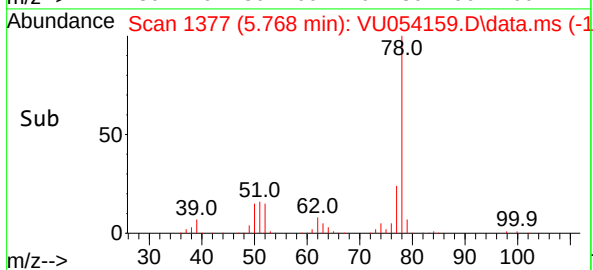
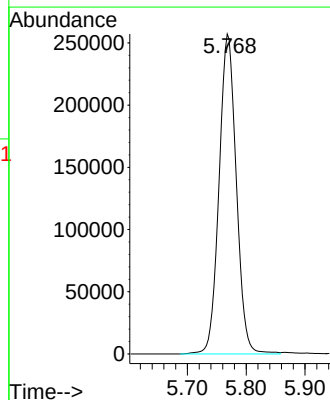
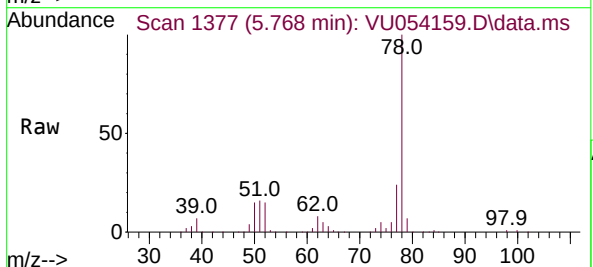
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

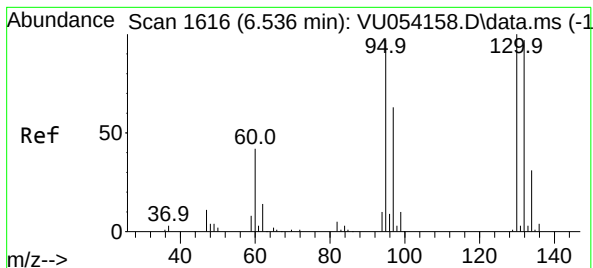
Tgt Ion:117 Resp: 203871
Ion Ratio Lower Upper
117 100
119 94.7 76.6 114.8



#33
Benzene
Concen: 11.150 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

Tgt Ion: 78 Resp: 524151





#34

Trichloroethene

Concen: 11.252 ug/L

RT: 6.536 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD010028

Tgt Ion: 95 Resp: 143580

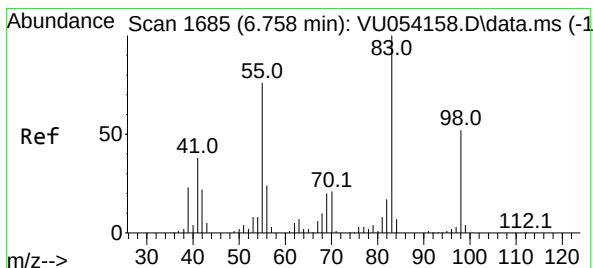
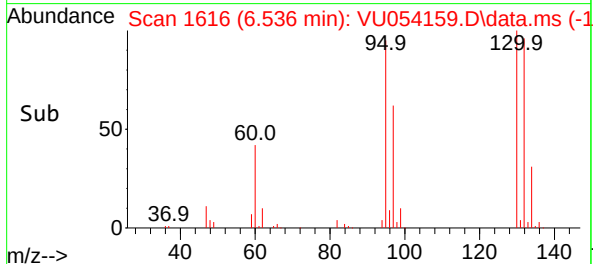
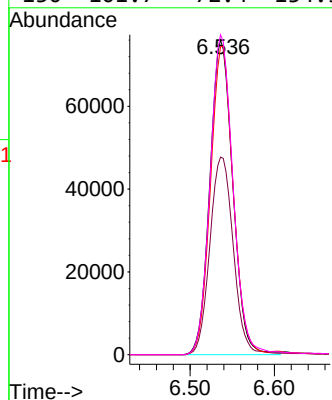
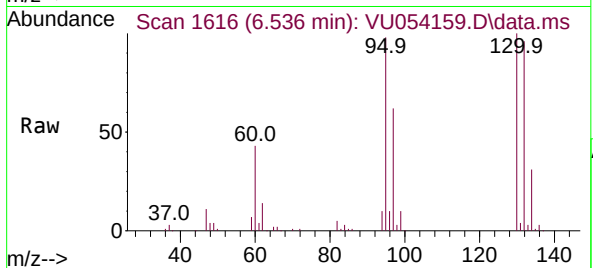
Ion Ratio Lower Upper

95 100

97 62.8 45.8 85.0

132 97.8 70.1 130.3

130 101.7 72.4 134.5



#35

Methylcyclohexane

Concen: 10.941 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

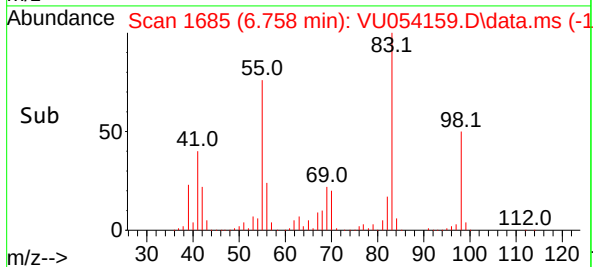
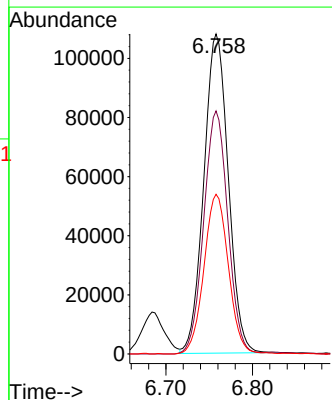
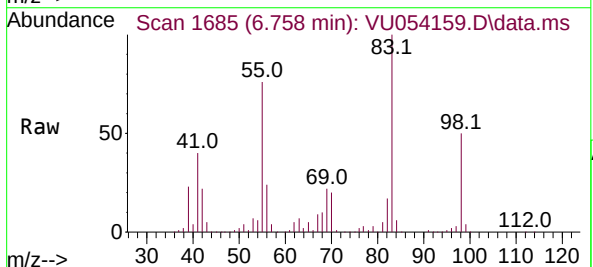
Tgt Ion: 83 Resp: 211895

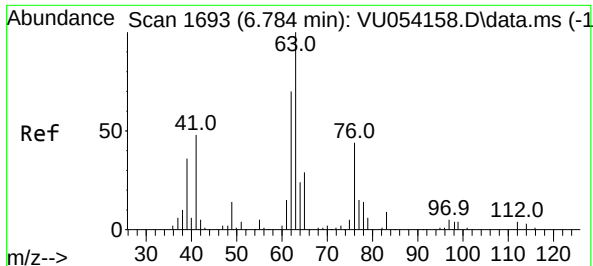
Ion Ratio Lower Upper

83 100

55 75.1 61.6 92.4

98 50.1 41.3 61.9





#37

1,2-Dichloropropane

Concen: 11.460 ug/L

RT: 6.784 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

Instrument :

MSVOA_U

ClientSampleId :

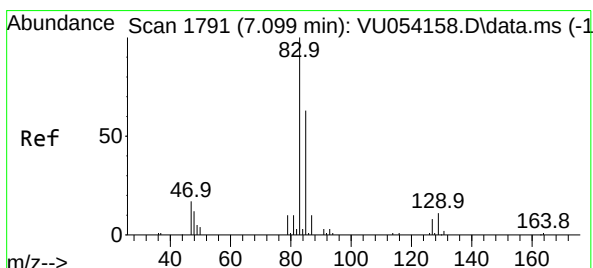
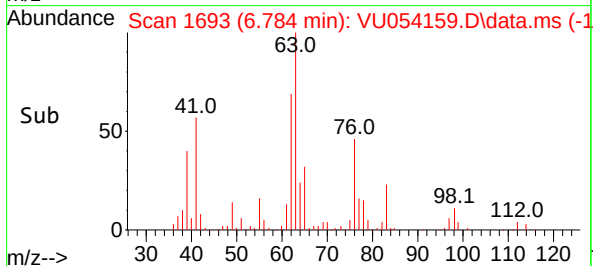
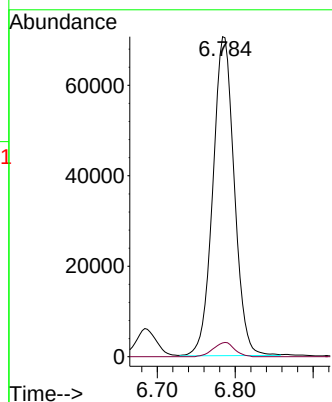
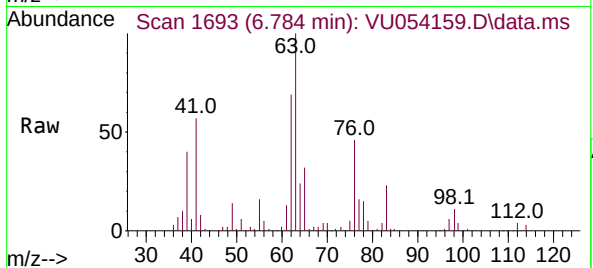
VSTD010028

Tgt Ion: 63 Resp: 135163

Ion Ratio Lower Upper

63 100

112 4.4 3.3 4.9



#38

Bromodichloromethane

Concen: 11.649 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

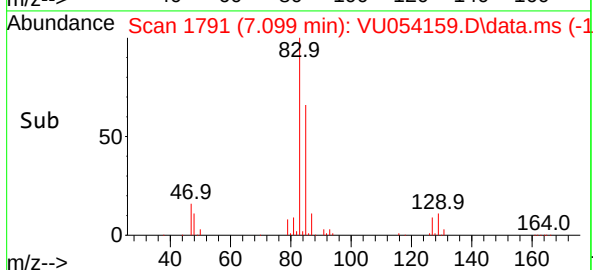
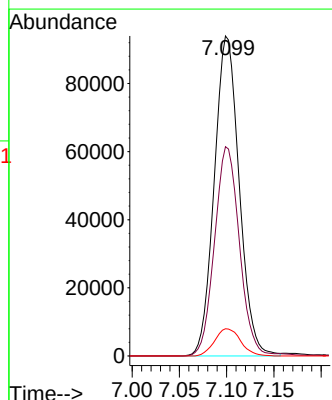
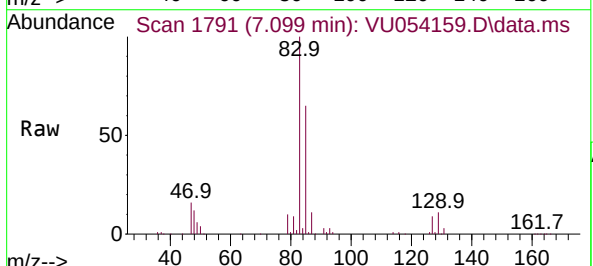
Tgt Ion: 83 Resp: 172530

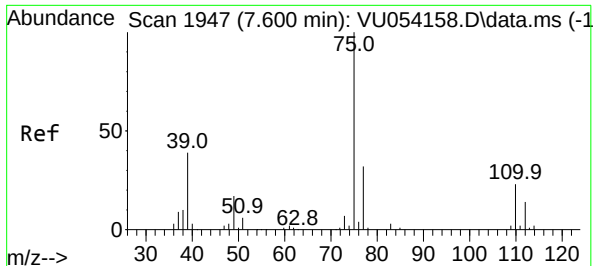
Ion Ratio Lower Upper

83 100

85 65.4 44.2 82.0

127 8.5 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 11.713 ug/L

RT: 7.604 min Scan# 1947

Delta R.T. 0.003 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

Instrument :

MSVOA_U

ClientSampleId :

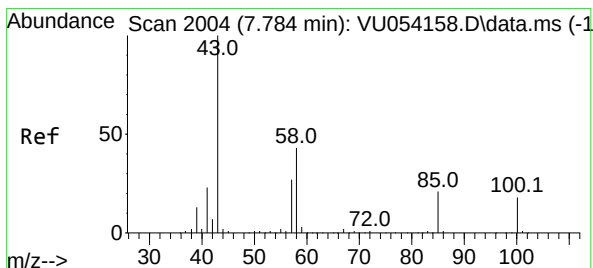
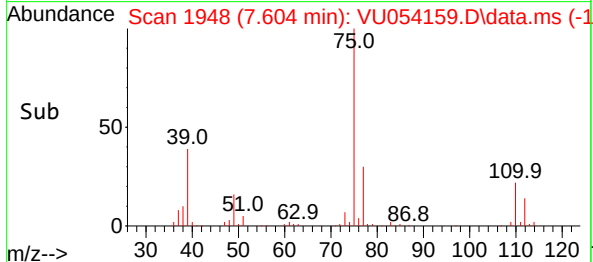
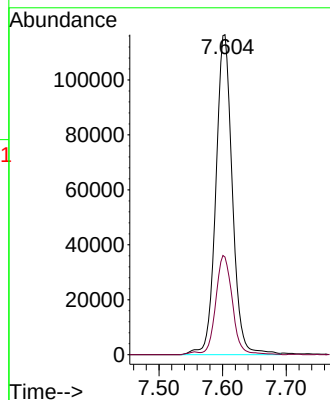
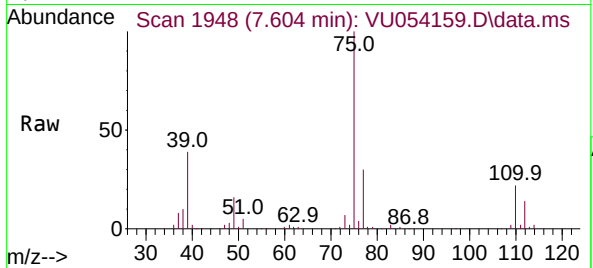
VSTD010028

Tgt Ion: 75 Resp: 209725

Ion Ratio Lower Upper

75 100

77 30.5 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 128.282 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

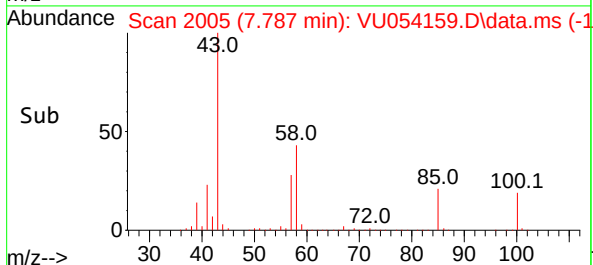
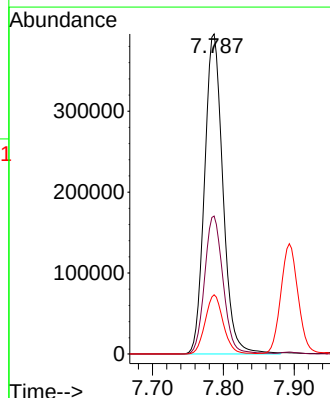
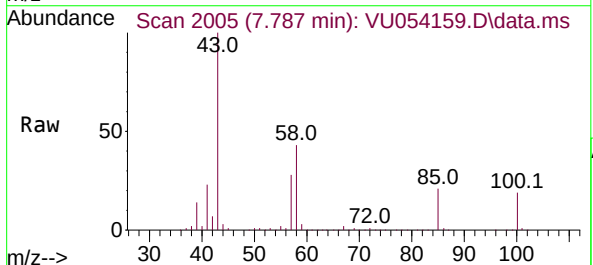
Tgt Ion: 43 Resp: 711473

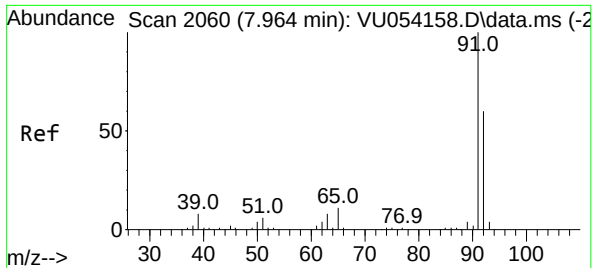
Ion Ratio Lower Upper

43 100

58 43.5 34.8 52.2

100 18.2 14.1 21.1





#42

Toluene

Concen: 11.388 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

Instrument :

MSVOA_U

ClientSampleId :

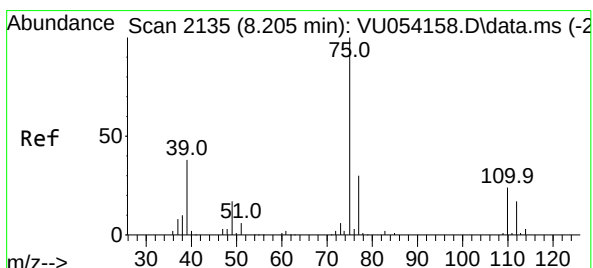
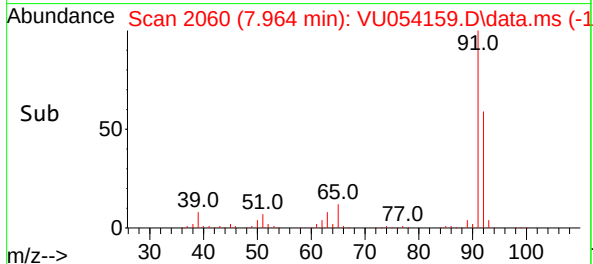
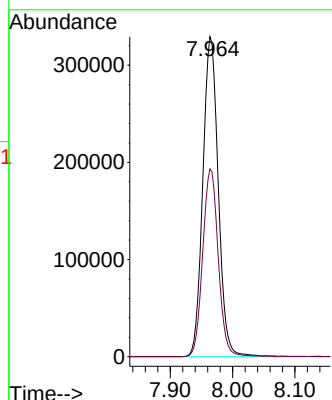
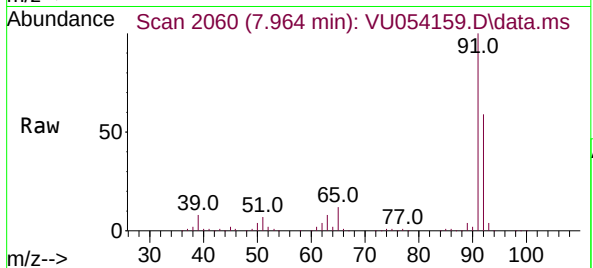
VSTD010028

Tgt Ion: 91 Resp: 568162

Ion Ratio Lower Upper

91 100

92 58.7 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 11.925 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU054159.D

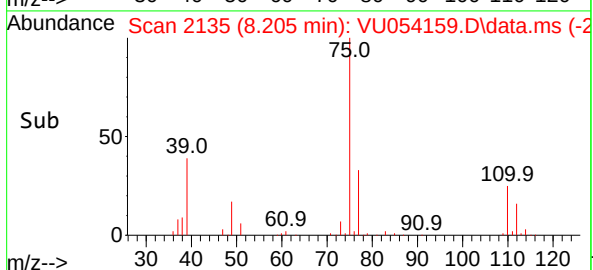
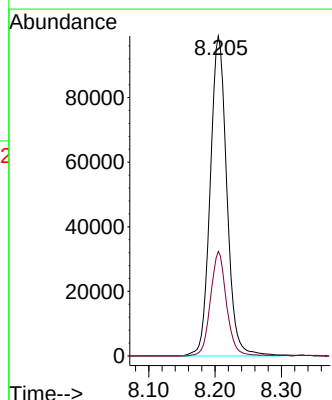
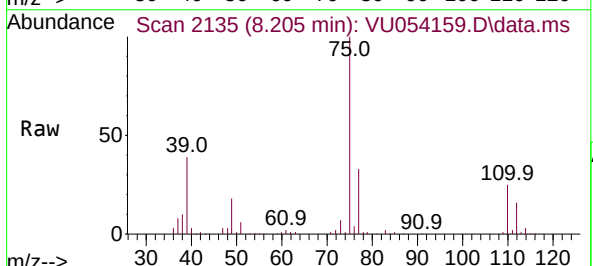
Acq: 18 May 2023 10:59

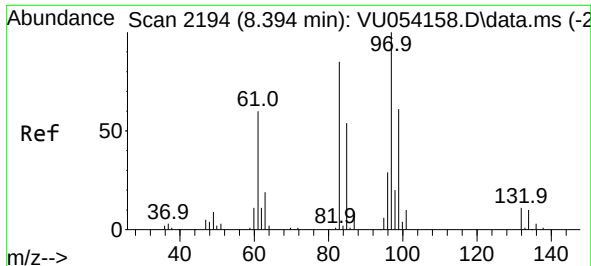
Tgt Ion: 75 Resp: 172848

Ion Ratio Lower Upper

75 100

77 32.7 20.8 38.6

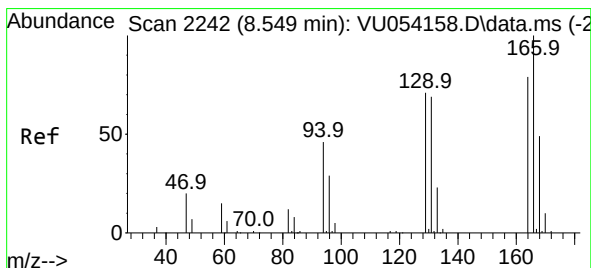
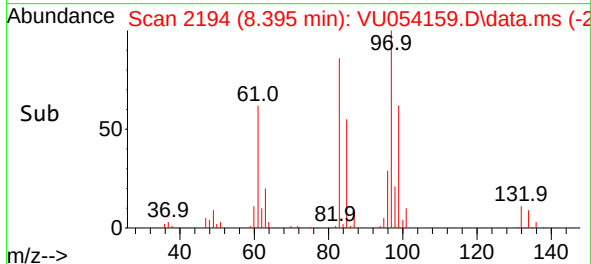
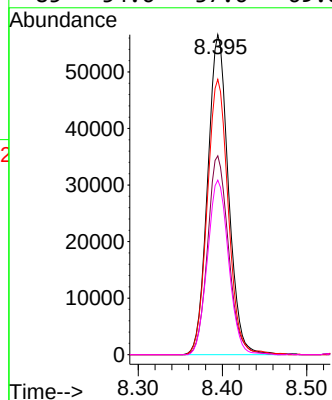
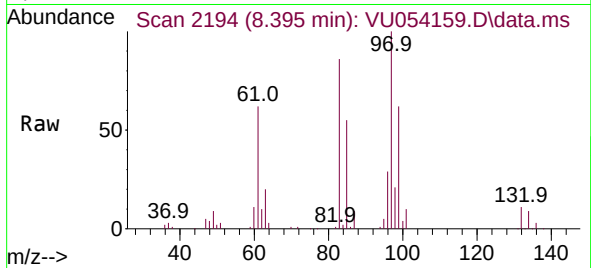




#45
1,1,2-Trichloroethane
Concen: 11.089 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

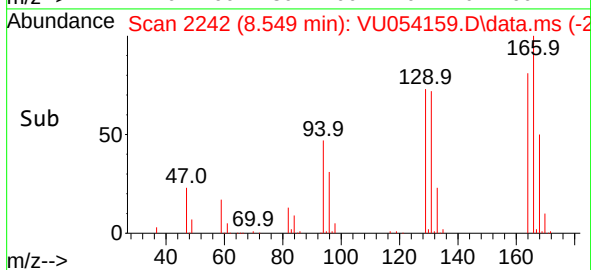
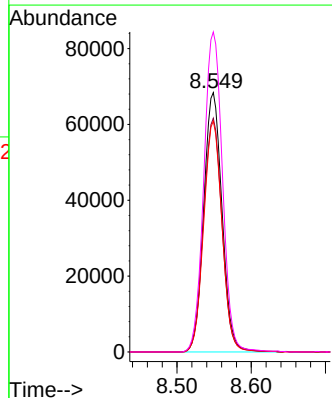
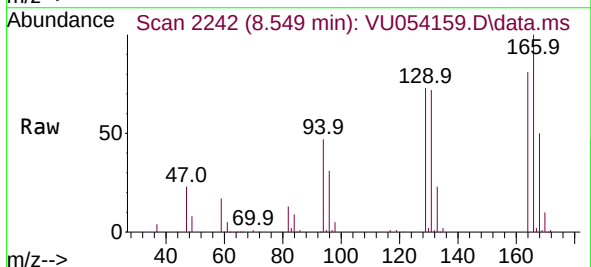
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

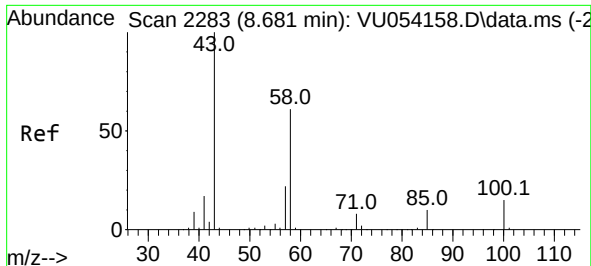
Tgt Ion:	97	Resp:	97091
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.0	79.8
83	86.1	59.1	109.9
85	54.6	37.6	69.8



#47
Tetrachloroethene
Concen: 11.461 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

Tgt Ion:	164	Resp:	116987
Ion	Ratio	Lower	Upper
164	100		
129	90.1	63.3	117.7
131	89.1	61.0	113.4
166	123.4	88.6	164.6

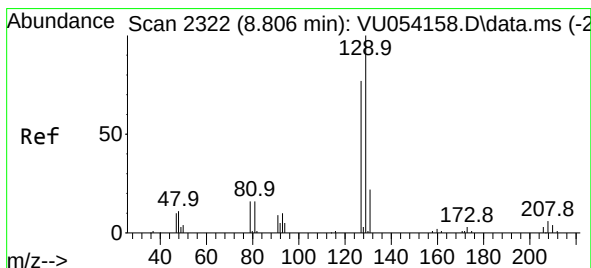
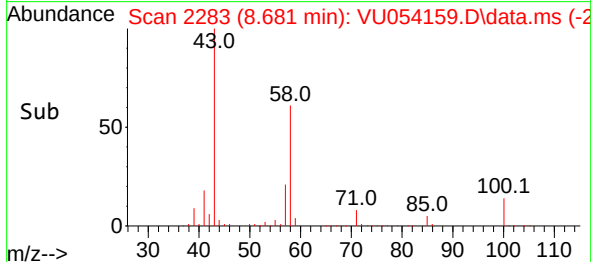
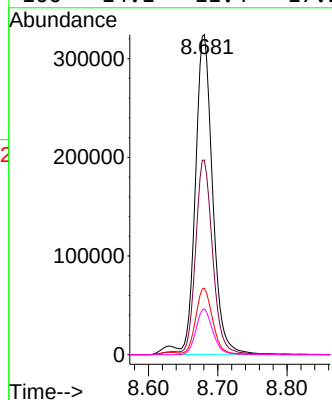
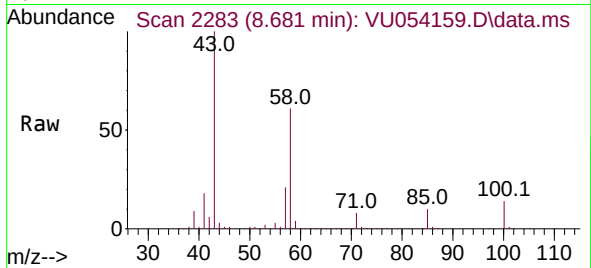




#48
2-Hexanone
Concen: 131.297 ug/L
RT: 8.681 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

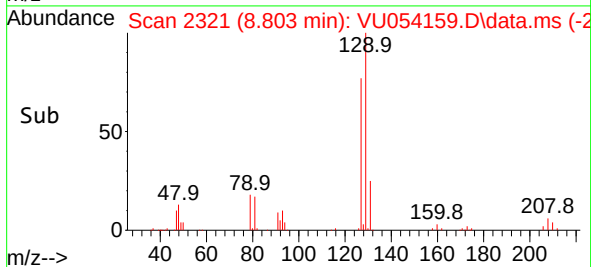
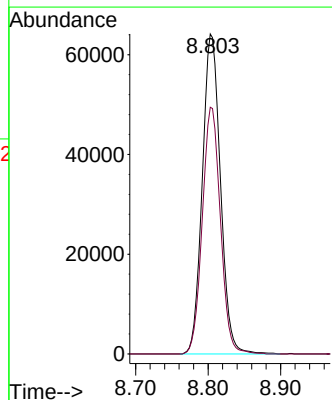
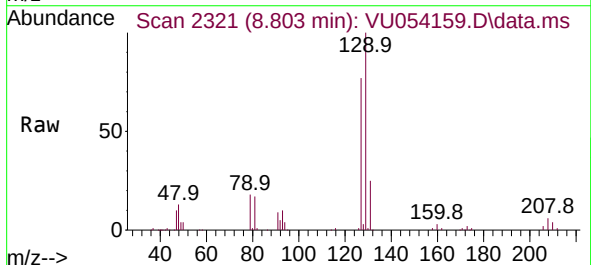
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

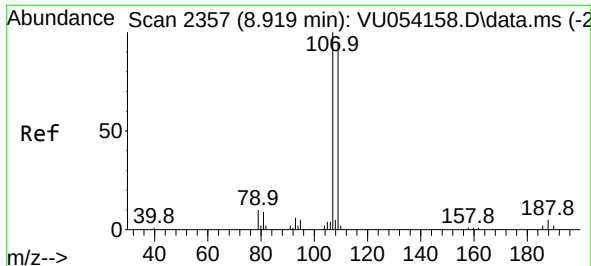
Tgt Ion: 43	Resp: 555868
Ion Ratio	Lower Upper
43 100	
58 60.3	48.6 72.8
57 21.0	16.7 25.1
100 14.1	11.4 17.2



#49
Dibromochloromethane
Concen: 11.865 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

Tgt Ion:129	Resp: 111525		
Ion Ratio	Lower	Upper	
129 100			
127 77.1	53.6	99.6	





#50

1,2-Dibromoethane

Concen: 11.173 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD010028

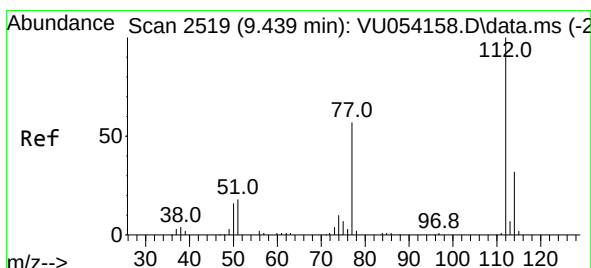
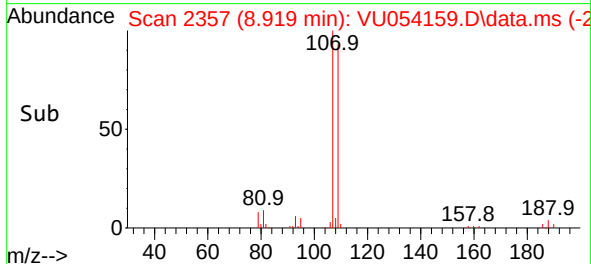
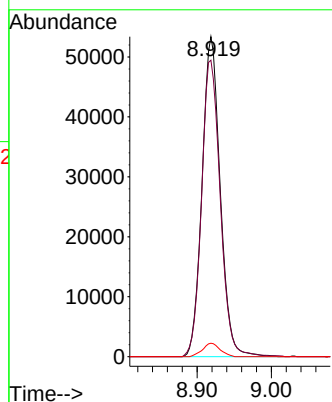
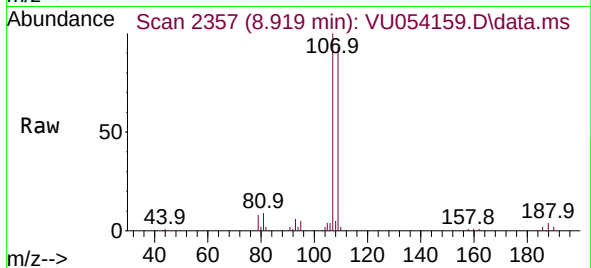
Tgt Ion:107 Resp: 90719

Ion Ratio Lower Upper

107 100

109 92.7 66.4 123.2

188 4.2 3.8 5.6



#51

Chlorobenzene

Concen: 11.008 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.003 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

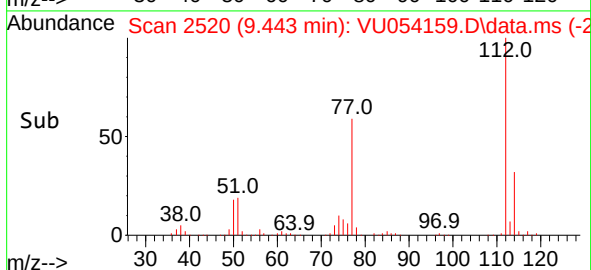
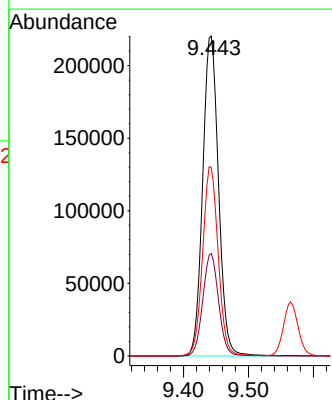
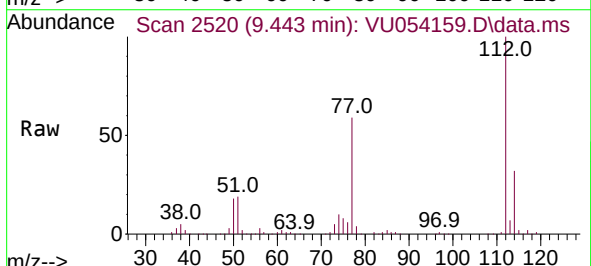
Tgt Ion:112 Resp: 374192

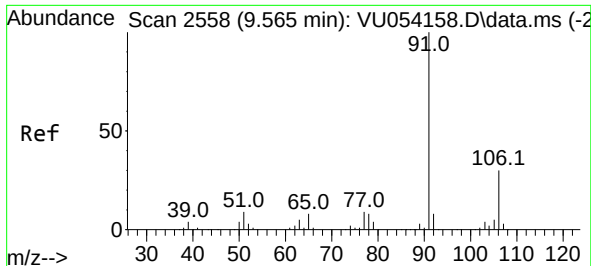
Ion Ratio Lower Upper

112 100

114 32.0 22.4 41.6

77 59.0 46.1 69.1

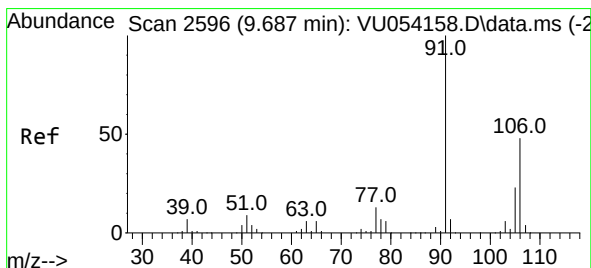
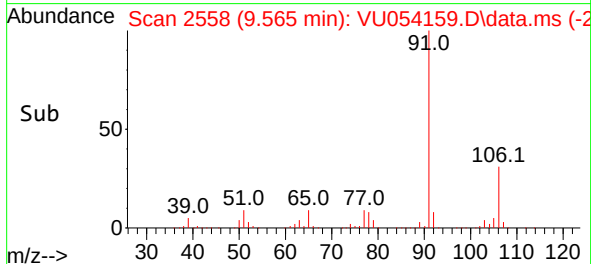
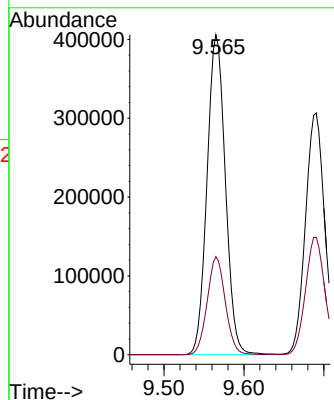
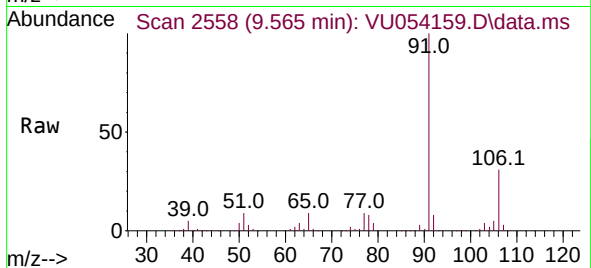




#52
Ethylbenzene
Concen: 11.739 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

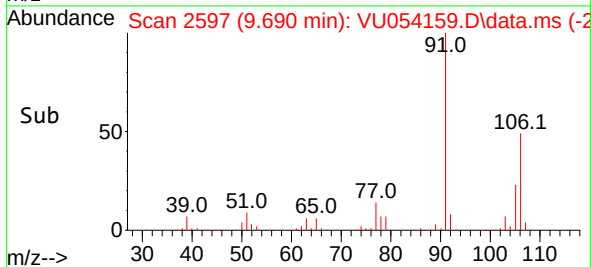
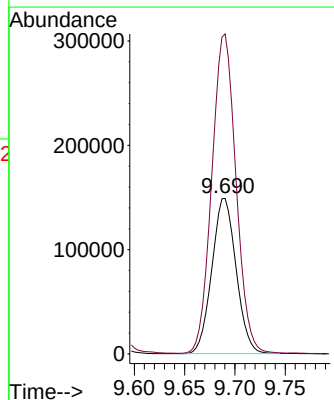
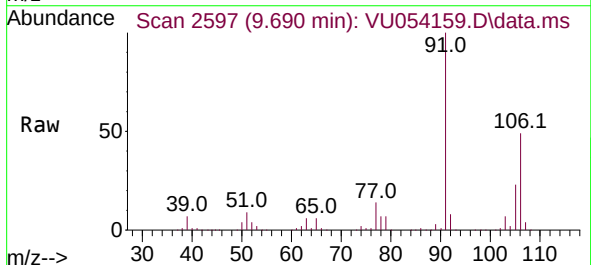
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

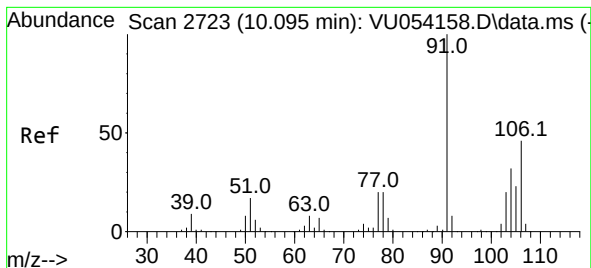
Tgt Ion: 91 Resp: 647960
Ion Ratio Lower Upper
91 100
106 30.6 21.3 39.5



#53
m,p-Xylene
Concen: 11.841 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.003 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

Tgt Ion:106 Resp: 249983
Ion Ratio Lower Upper
106 100
91 205.7 146.3 271.7





#54

o-Xylene

Concen: 11.988 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. 0.000 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

Instrument :

MSVOA_U

ClientSampleId :

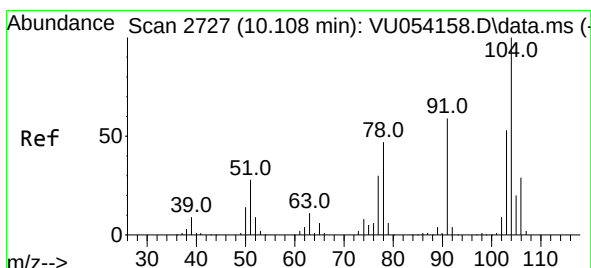
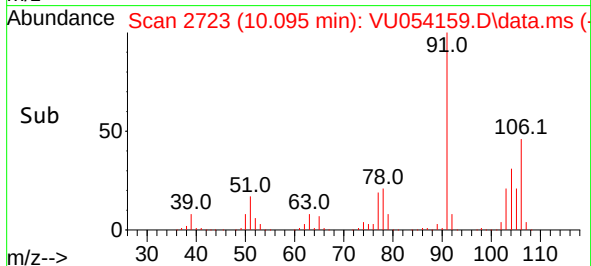
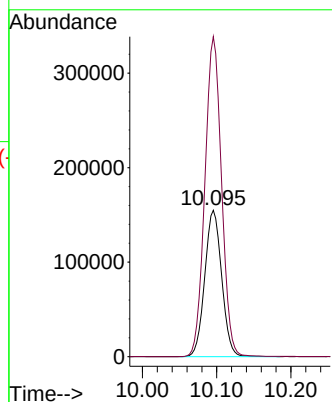
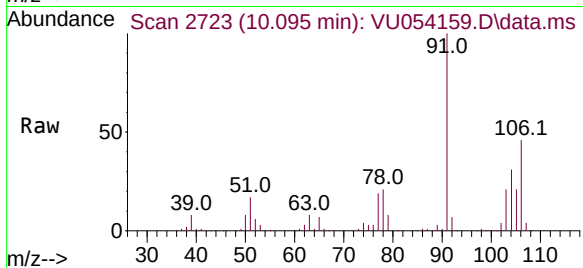
VSTD010028

Tgt Ion:106 Resp: 244652

Ion Ratio Lower Upper

106 100

91 218.6 153.6 285.3



#55

Styrene

Concen: 12.377 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. 0.000 min

Lab File: VU054159.D

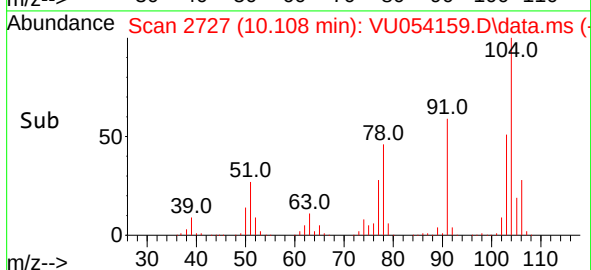
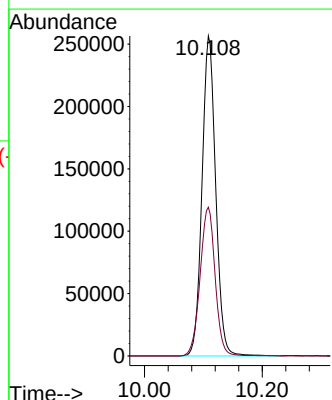
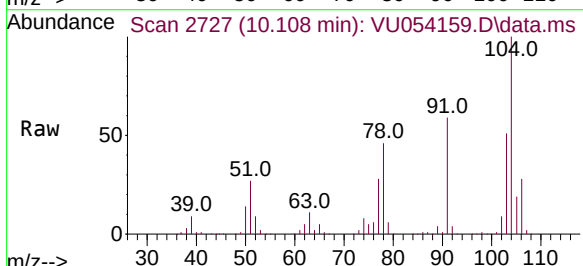
Acq: 18 May 2023 10:59

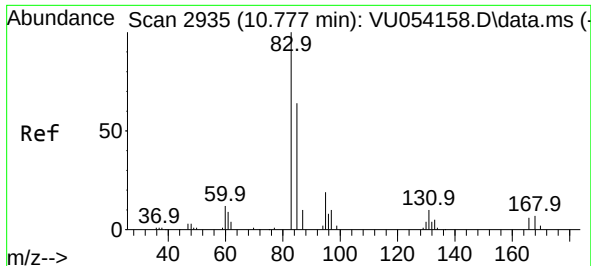
Tgt Ion:104 Resp: 414468

Ion Ratio Lower Upper

104 100

78 46.5 33.1 61.5

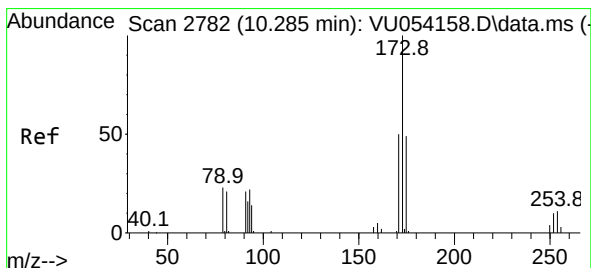
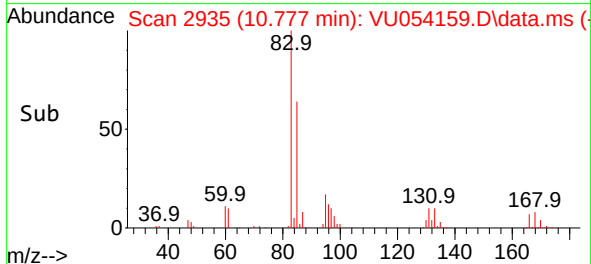
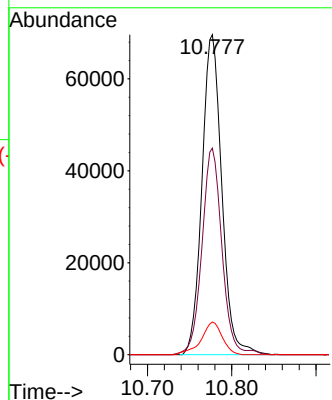
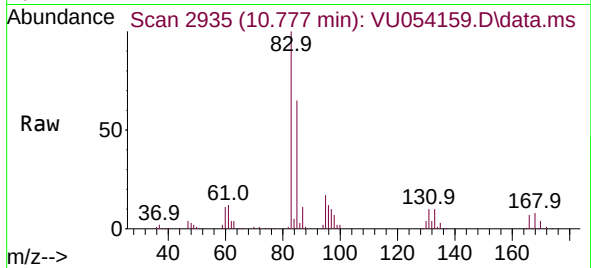




#57
1,1,2,2-Tetrachloroethane
Concen: 10.802 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

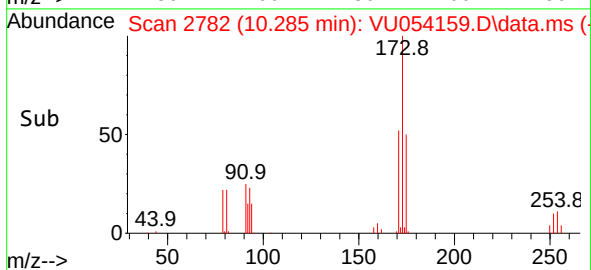
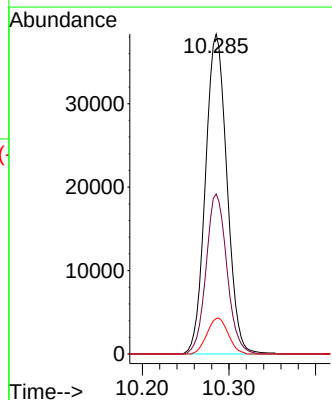
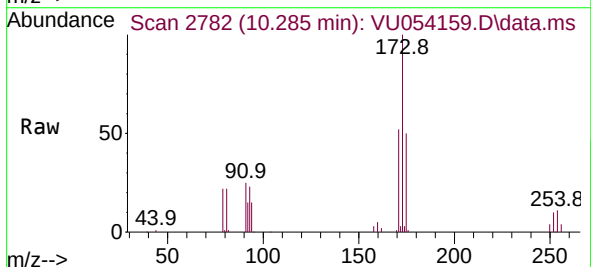
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

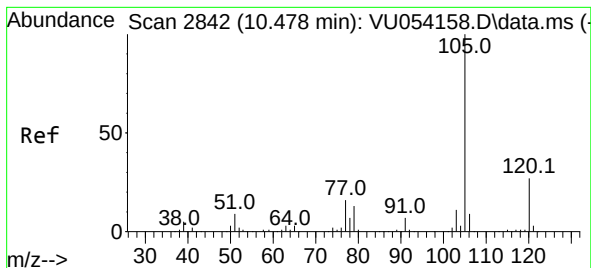
Tgt Ion: 83 Resp: 114089
Ion Ratio Lower Upper
83 100
85 64.6 44.8 83.2
131 10.2 8.1 12.1



#59
Bromoform
Concen: 11.655 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

Tgt Ion:173 Resp: 66018
Ion Ratio Lower Upper
173 100
175 48.5 38.6 58.0
254 11.0 7.9 11.9





#60

Isopropylbenzene

Concen: 11.430 ug/L

RT: 10.478 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD010028

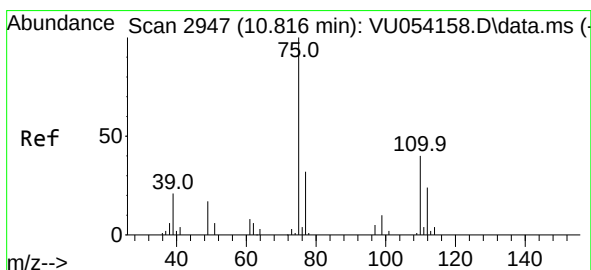
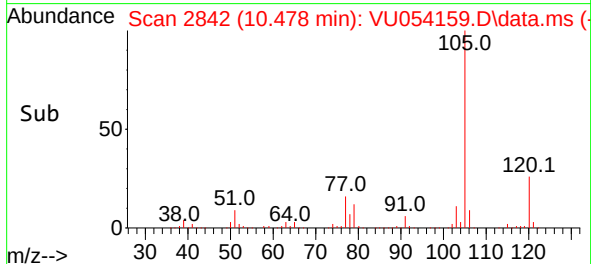
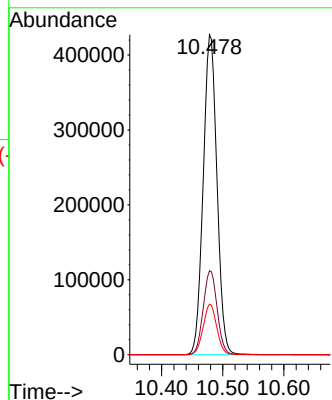
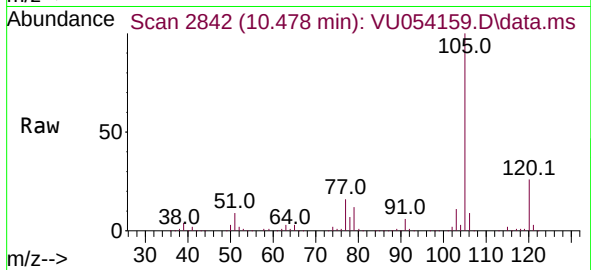
Tgt Ion:105 Resp: 667458

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

77 15.6 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 10.845 ug/L

RT: 10.816 min Scan# 2947

Delta R.T. 0.000 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

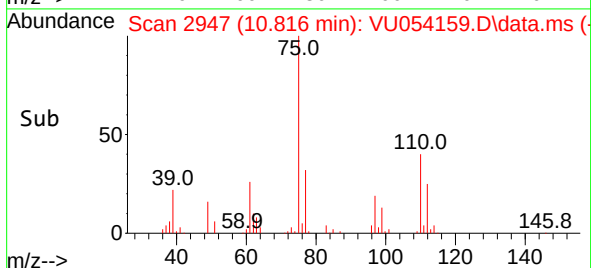
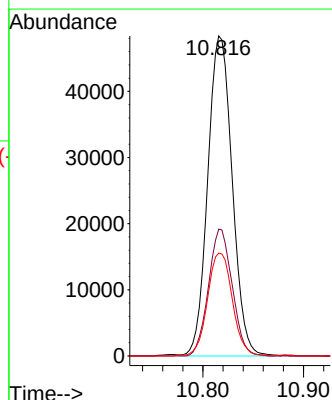
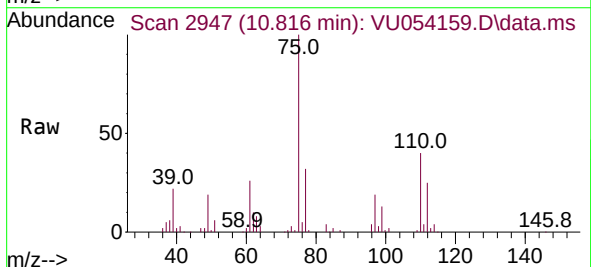
Tgt Ion: 75 Resp: 81786

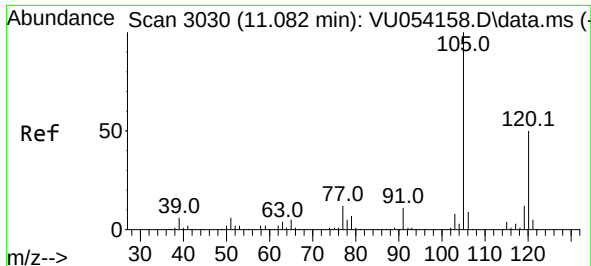
Ion Ratio Lower Upper

75 100

110 38.3 32.3 48.5

77 32.7 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 11.796 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU054159.D

Acq: 18 May 2023 10:59

Instrument :

MSVOA_U

ClientSampleId :

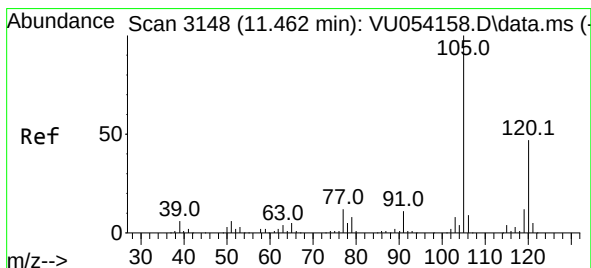
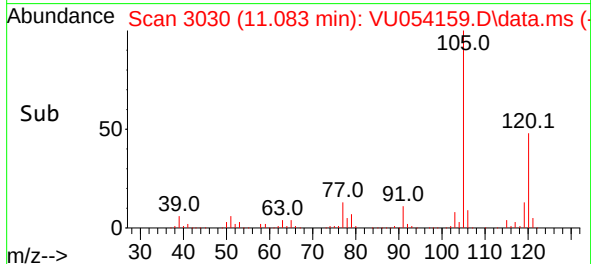
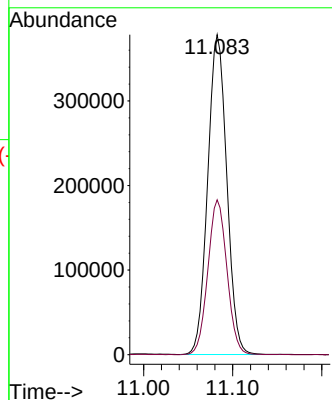
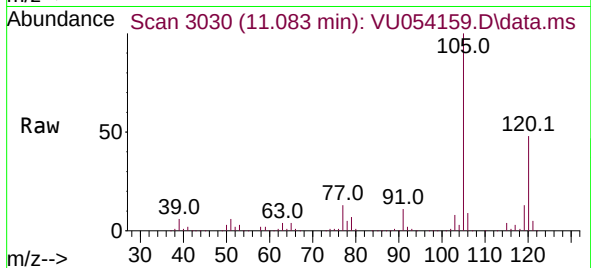
VSTD010028

Tgt Ion:105 Resp: 561911

Ion Ratio Lower Upper

105 100

120 48.5 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 11.827 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU054159.D

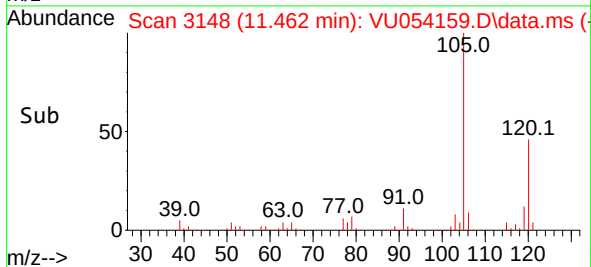
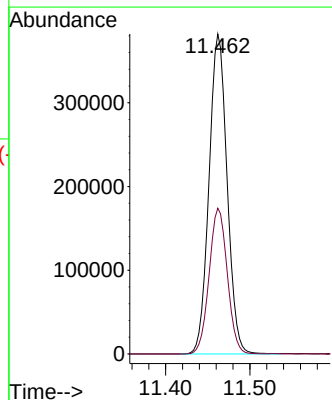
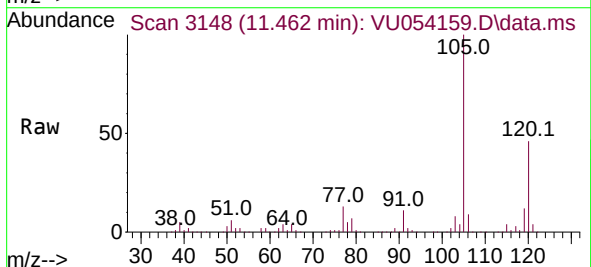
Acq: 18 May 2023 10:59

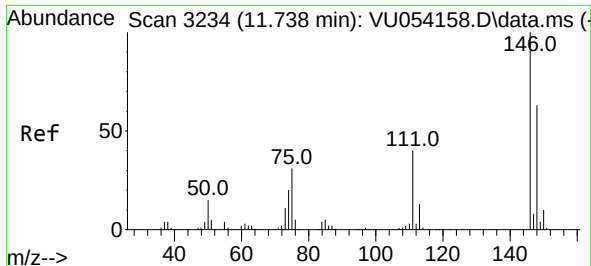
Tgt Ion:105 Resp: 570149

Ion Ratio Lower Upper

105 100

120 45.8 36.9 55.3

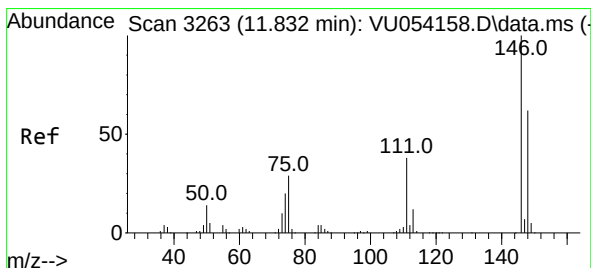
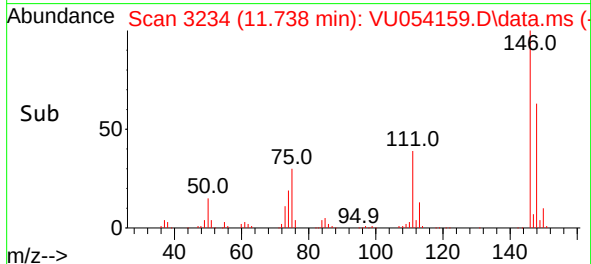
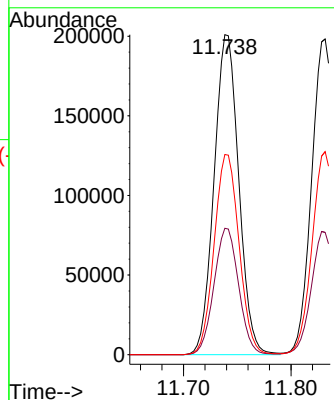
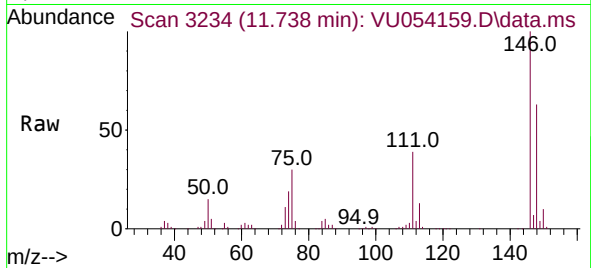




#64
1,3-Dichlorobenzene
Concen: 10.978 ug/L
RT: 11.738 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

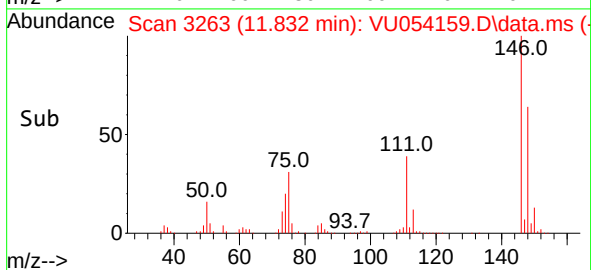
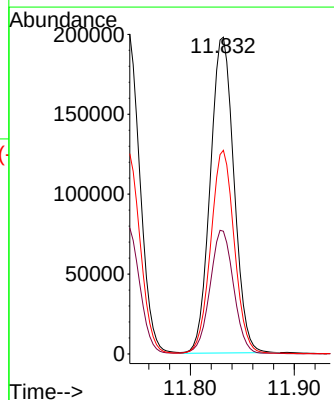
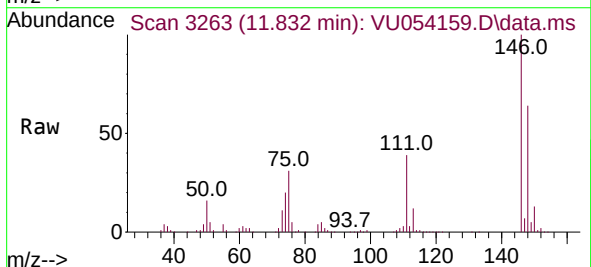
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

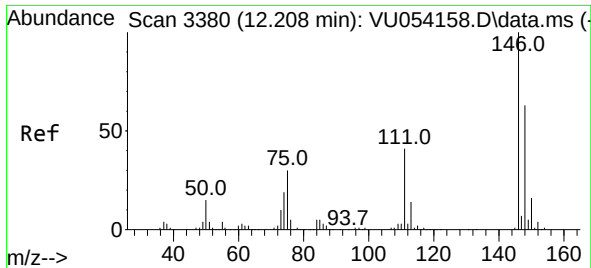
Tgt Ion:146 Resp: 320582
Ion Ratio Lower Upper
146 100
111 39.5 27.8 51.6
148 62.6 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 10.606 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

Tgt Ion:146 Resp: 313127
Ion Ratio Lower Upper
146 100
111 38.7 26.6 49.4
148 64.3 43.8 81.3

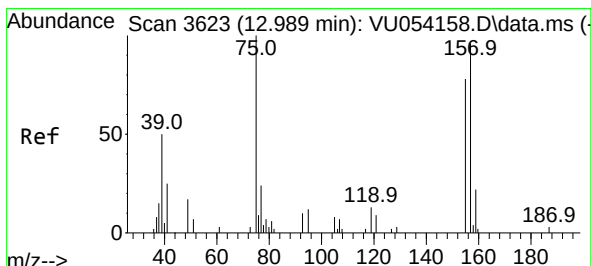
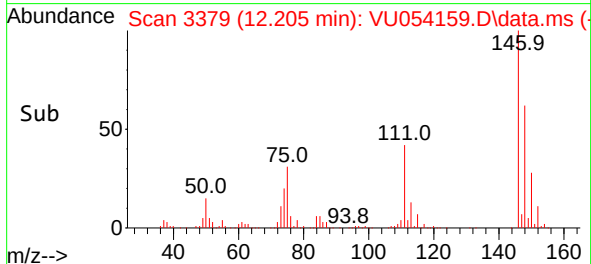
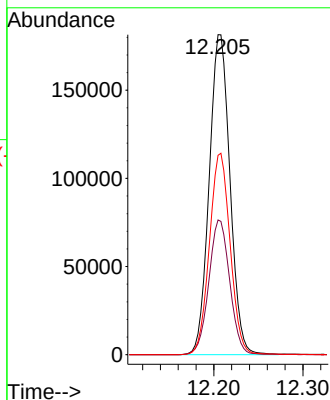
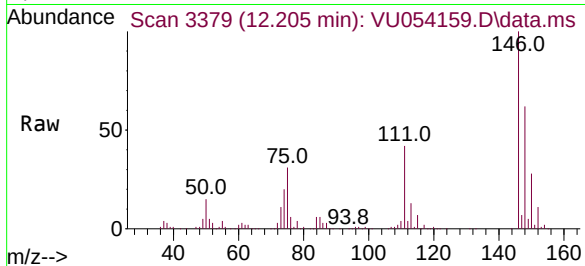




#67
1,2-Dichlorobenzene
Concen: 10.825 ug/L
RT: 12.205 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

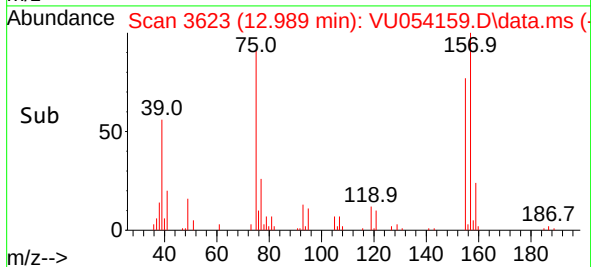
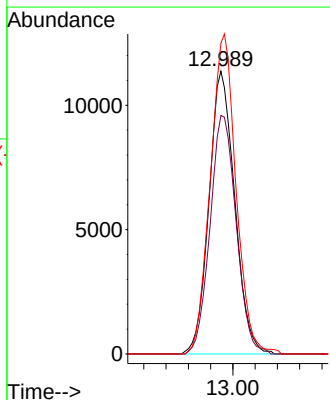
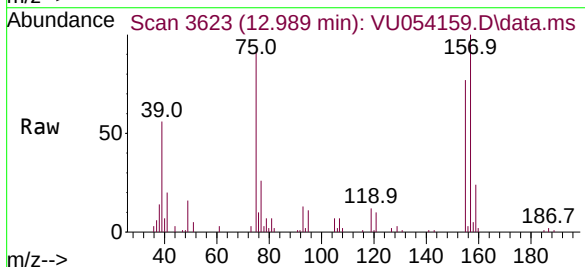
Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

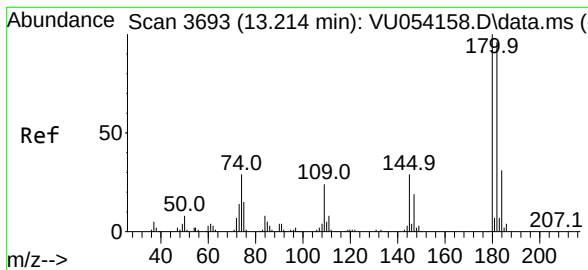
Tgt Ion:146 Resp: 293775
Ion Ratio Lower Upper
146 100
111 42.1 33.0 49.4
148 62.3 50.5 75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 11.516 ug/L
RT: 12.989 min Scan# 3623
Delta R.T. 0.000 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

Tgt Ion: 75 Resp: 18193
Ion Ratio Lower Upper
75 100
155 84.4 62.7 94.1
157 110.0 77.0 115.4

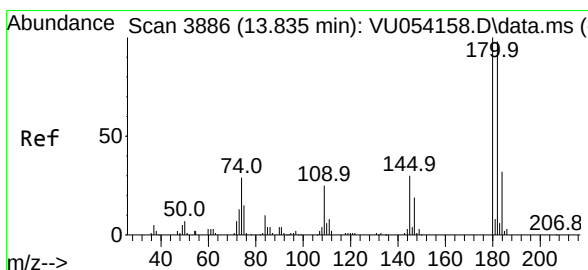
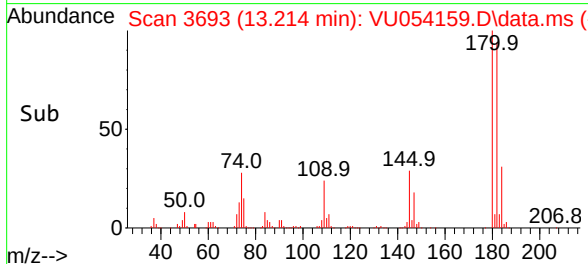
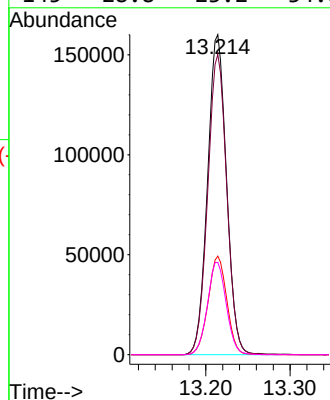
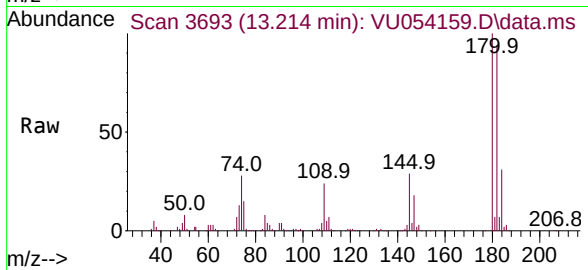




#69
 1,3,5-Trichlorobenzene
 Concen: 11.784 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU054159.D
 Acq: 18 May 2023 10:59

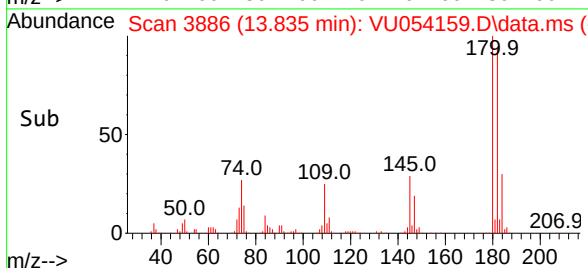
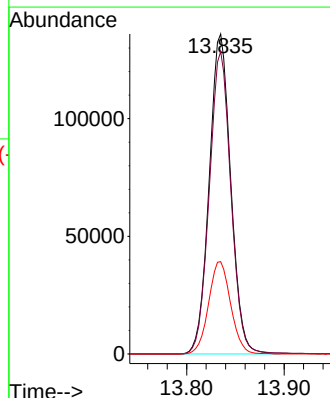
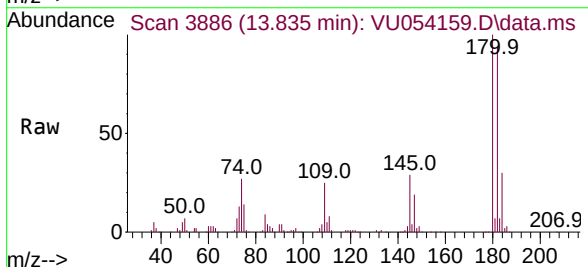
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010028

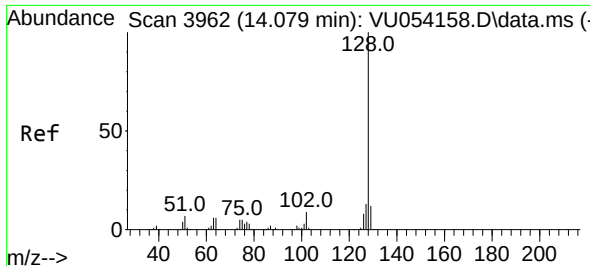
Tgt Ion:	180	Resp:	250342
Ion Ratio	Lower	Upper	
180	100		
182	94.3	76.1	114.1
184	30.4	24.5	36.7
145	28.8	23.2	34.8



#70
 1,2,4-trichlorobenzene
 Concen: 10.838 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU054159.D
 Acq: 18 May 2023 10:59

Tgt Ion:	180	Resp:	209393
Ion Ratio	Lower	Upper	
180	100		
182	94.7	76.4	114.6
145	29.5	23.3	34.9

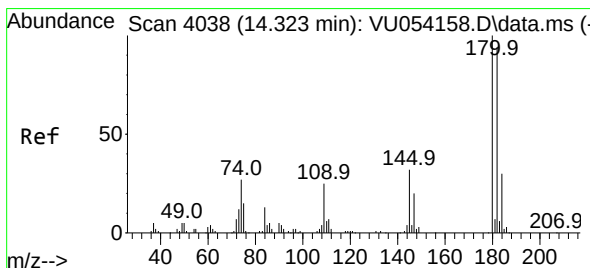
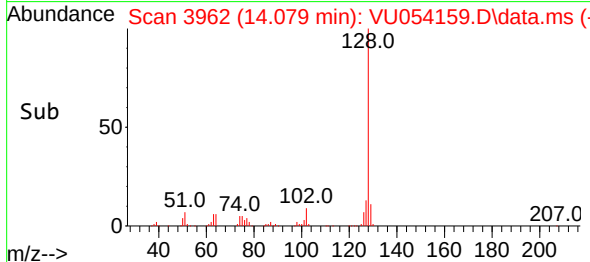
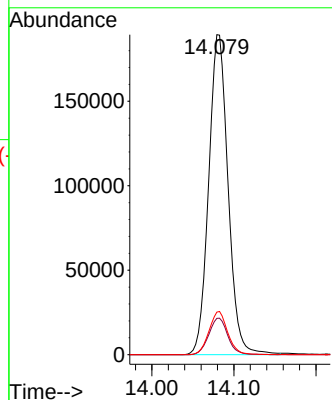
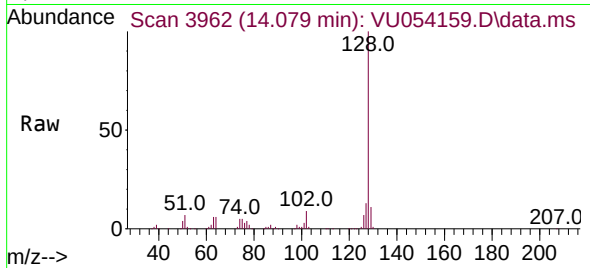




#71
Naphthalene
Concen: 9.345 ug/L
RT: 14.079 min Scan# 3962
Delta R.T. 0.000 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD010028

Tgt Ion:128 Resp: 311256
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.0 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 10.594 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU054159.D
Acq: 18 May 2023 10:59

Tgt Ion:180 Resp: 183016
Ion Ratio Lower Upper
180 100
182 94.7 76.4 114.6
145 30.5 25.1 37.7

