

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051823\
 Data File : VU054185.D
 Acq On : 18 May 2023 23:17
 Operator : JC/MD
 Sample : 02844-03MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBWZ7MSD

Quant Time: May 19 02:12:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 19 02:02:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	175958	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	166804	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	92290	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	43904	4.628	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.600%
7) Chloroethane-d5	1.913	69	33867	4.772	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.400%
11) 1,1-Dichloroethene-d2	2.562	65	19818	4.626	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.600%
20) 2-Butanone-d5	4.633	46	86020	50.847	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.700%
24) Chloroform-d	5.057	84	84842	4.757	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	5.697	65	38953	4.747	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	5.723	84	160573	4.727	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
36) 1,2-Dichloropropane-d6	6.684	67	48476	4.937	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.800%
41) Toluene-d8	7.893	98	151040	4.709	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
43) trans-1,3-Dichloroprop...	8.173	79	19454	4.906	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.200%
46) 2-Hexanone-d5	8.629	63	65159	55.185	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.360%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	35757	5.081	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.600%
66) 1,2-Dichlorobenzene-d4	12.186	152	55174	4.899	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	65027	4.888	ug/L	99
3) Chloromethane	1.517	50	63624	5.159	ug/L	100
5) Vinyl chloride	1.604	62	69128	5.277	ug/L	# 73
6) Bromomethane	1.858	94	34954	4.398	ug/L	97
8) Chloroethane	1.935	64	44400	5.350	ug/L	92
9) Trichlorofluoromethane	2.135	101	107271	5.154	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	59371	4.920	ug/L	96
12) 1,1-Dichloroethene	2.578	96	55516	5.155	ug/L	98
13) Acetone	2.646	43	101061	43.912	ug/L	98
14) Carbon disulfide	2.790	76	142032	5.249	ug/L	98
15) Methyl Acetate	2.951	43	19501	4.726	ug/L	98
16) Methylene chloride	3.041	84	61662	4.374	ug/L	97
17) Methyl tert-butyl Ether	3.360	73	141627	5.224	ug/L	98
18) trans-1,2-Dichloroethene	3.350	96	57904	5.286	ug/L	97
19) 1,1-Dichloroethane	3.864	63	115789	5.279	ug/L	96
21) 2-Butanone	4.707	43	143427	47.049	ug/L	98
22) cis-1,2-Dichloroethene	4.662	96	75714	5.911	ug/L	98
23) Bromochloromethane	4.967	128	30590	5.467	ug/L	97
25) Chloroform	5.080	83	120857	5.080	ug/L	97

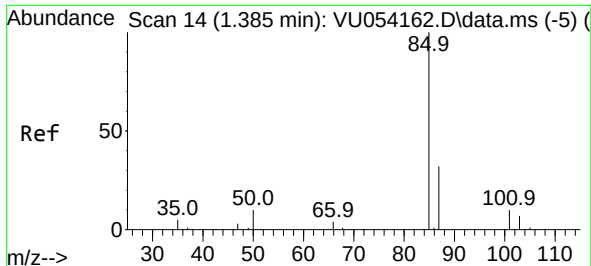
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051823\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	73284	5.357	ug/L	99
29) 1,1,1-Trichloroethane	5.308	97	105076	5.032	ug/L	98
30) Cyclohexane	5.382	56	100741	5.928	ug/L	98
31) Carbon tetrachloride	5.520	117	93523	5.165	ug/L	100
33) Benzene	5.768	78	252567	5.350	ug/L	100
34) Trichloroethene	6.536	95	286143	22.536	ug/L	100
35) Methylcyclohexane	6.758	83	93377	5.030	ug/L	96
37) 1,2-Dichloropropane	6.784	63	65853	5.312	ug/L	99
38) Bromodichloromethane	7.099	83	84675	5.394	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	94637	5.124	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	350626	55.563	ug/L	100
42) Toluene	7.964	91	269122	5.395	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	79208	5.225	ug/L	96
45) 1,1,2-Trichloroethane	8.395	97	46646	5.221	ug/L	97
47) Tetrachloroethene	8.549	164	51944	4.978	ug/L	95
48) 2-Hexanone	8.678	43	253512	53.134	ug/L	99
49) Dibromochloromethane	8.803	129	52621	5.276	ug/L	99
50) 1,2-Dibromoethane	8.919	107	45536	5.546	ug/L	97
51) Chlorobenzene	9.443	112	177383	5.259	ug/L	99
52) Ethylbenzene	9.565	91	295302	5.312	ug/L	99
53) m,p-Xylene	9.691	106	114736	5.434	ug/L	96
54) o-Xylene	10.096	106	112255	5.383	ug/L	98
55) Styrene	10.108	104	189777	5.566	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	59785	5.635	ug/L	99
59) Bromoform	10.285	173	31810	5.360	ug/L	100
60) Isopropylbenzene	10.478	105	302406	5.370	ug/L	99
61) 1,2,3-Trichloropropane	10.816	75	39997	5.345	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	243225	5.291	ug/L	98
63) 1,2,4-Trimethylbenzene	11.462	105	252435	5.502	ug/L	99
64) 1,3-Dichlorobenzene	11.739	146	149008	5.301	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	147237	5.273	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	138810	5.382	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.989	75	9306	5.818	ug/L	91
69) 1,3,5-Trichlorobenzene	13.214	180	112659	5.372	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	96043	5.532	ug/L	99
71) Naphthalene	14.079	128	155420	6.188	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	88190	6.001	ug/L	99

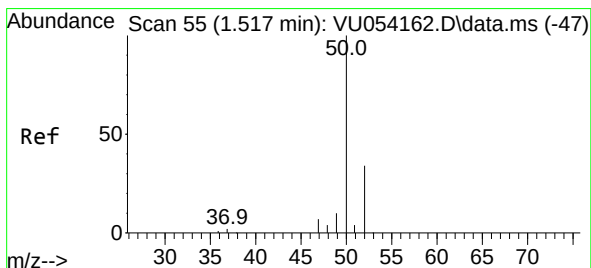
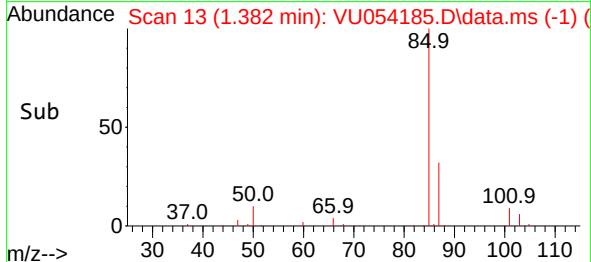
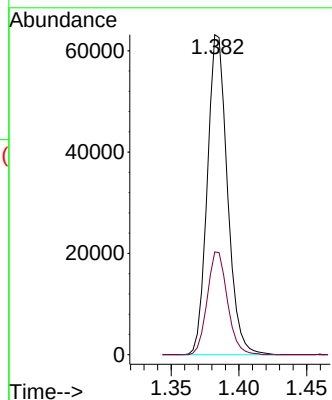
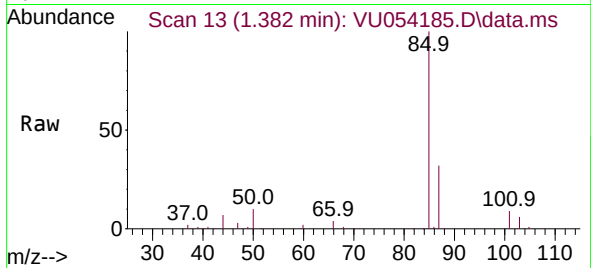
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.888 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

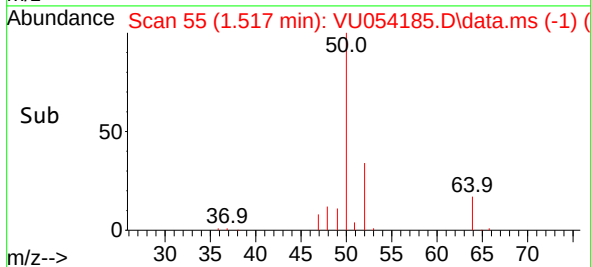
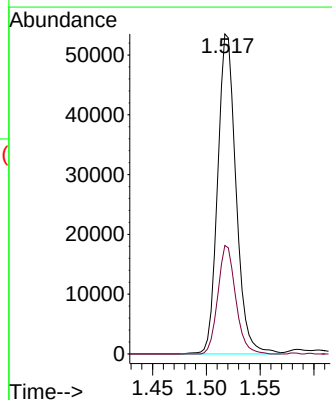
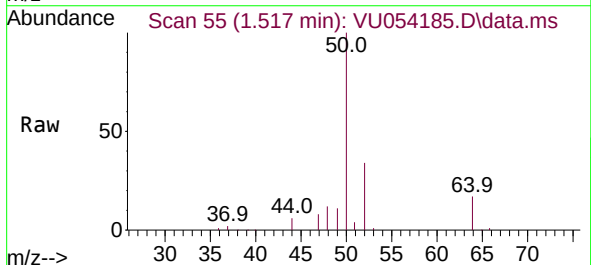
Instrument :
MSVOA_U
ClientSampleId :
GBWZ7MSD

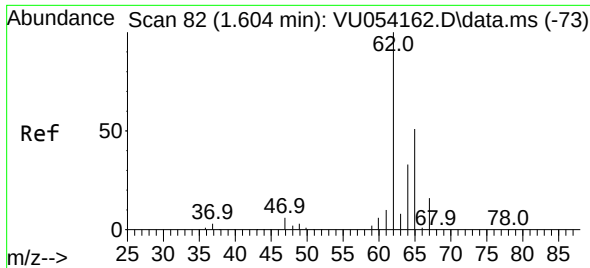
Tgt Ion: 85 Resp: 65027
Ion Ratio Lower Upper
85 100
87 32.3 26.1 39.1



#3
Chloromethane
Concen: 5.159 ug/L
RT: 1.517 min Scan# 55
Delta R.T. 0.000 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

Tgt Ion: 50 Resp: 63624
Ion Ratio Lower Upper
50 100
52 33.9 23.7 44.1

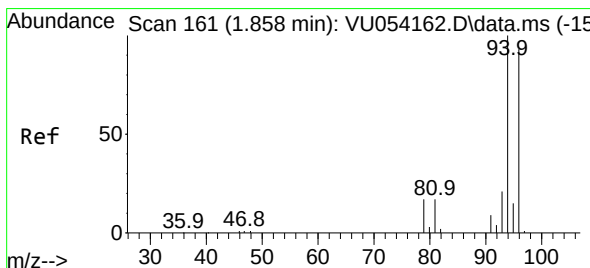
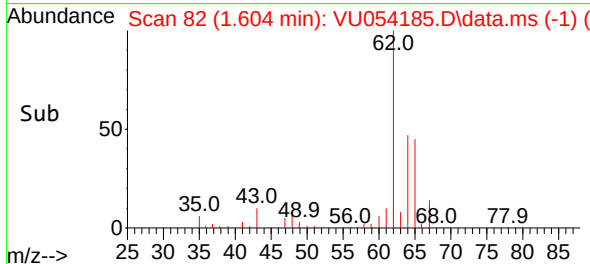
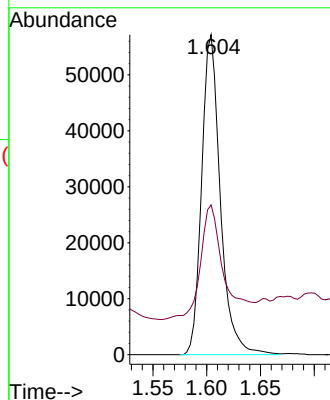
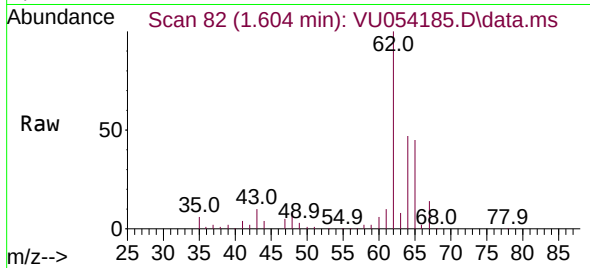




#5
 Vinyl chloride
 Concen: 5.277 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU054185.D
 Acq: 18 May 2023 23:17

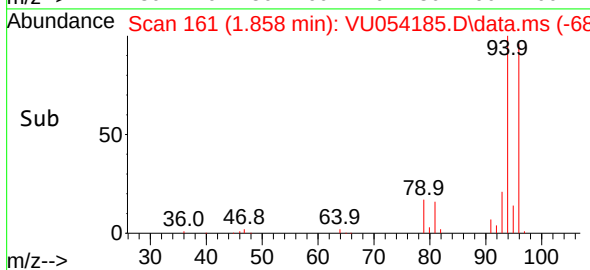
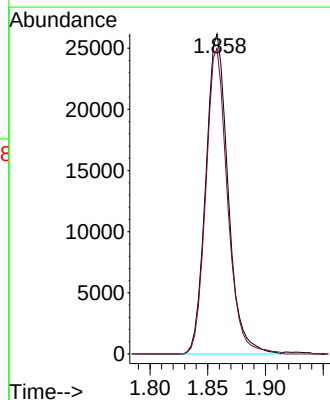
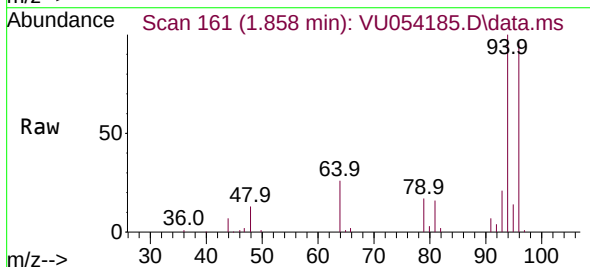
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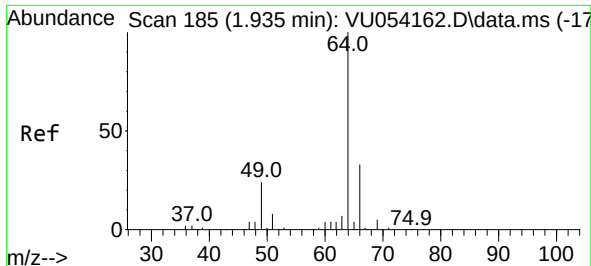
Tgt Ion: 62 Resp: 69128
 Ion Ratio Lower Upper
 62 100
 64 46.8 22.4 41.6#



#6
 Bromomethane
 Concen: 4.398 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU054185.D
 Acq: 18 May 2023 23:17

Tgt Ion: 94 Resp: 34954
 Ion Ratio Lower Upper
 94 100
 96 95.5 68.7 127.5

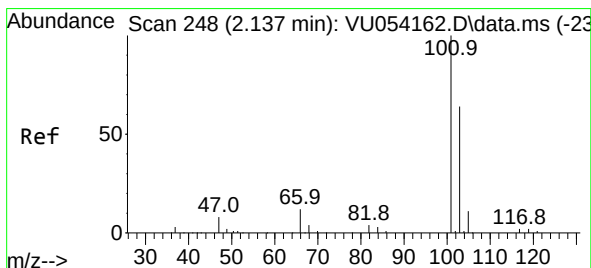
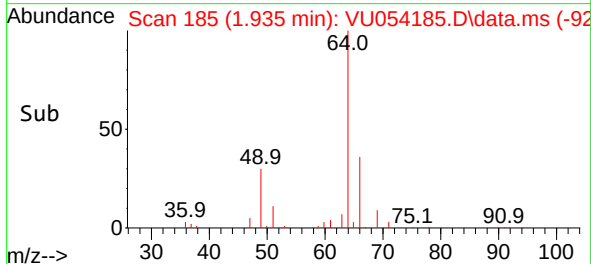
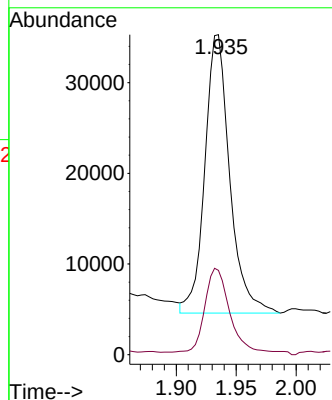
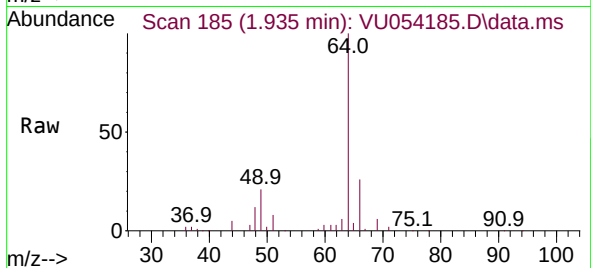




#8
Chloroethane
Concen: 5.350 ug/L
RT: 1.935 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

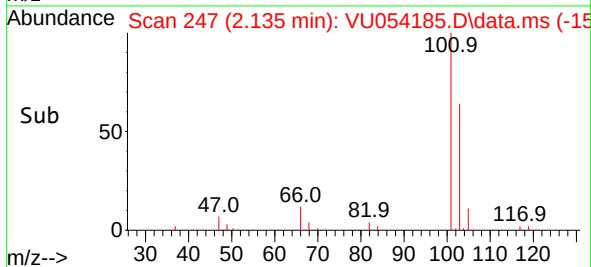
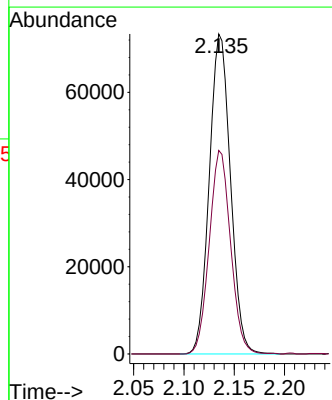
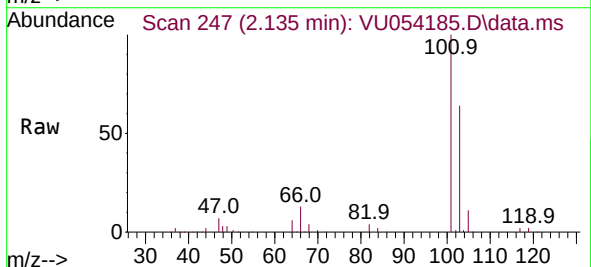
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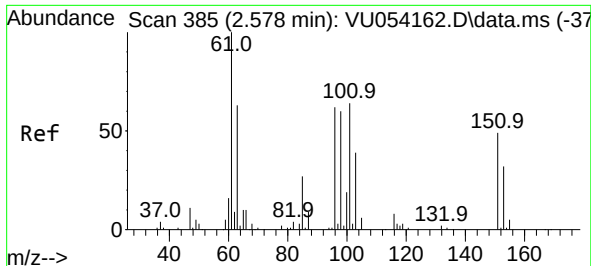
Tgt Ion: 64 Resp: 44400
Ion Ratio Lower Upper
64 100
66 26.4 21.6 40.0



#9
Trichlorofluoromethane
Concen: 5.154 ug/L
RT: 2.135 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

Tgt Ion:101 Resp: 107271
Ion Ratio Lower Upper
101 100
103 64.0 51.0 76.6





#10

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

Concen: 4.920 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU054185.D

Acq: 18 May 2023 23:17

Instrument :

MSVOA_U

ClientSampleId :

GBWZ7MSD

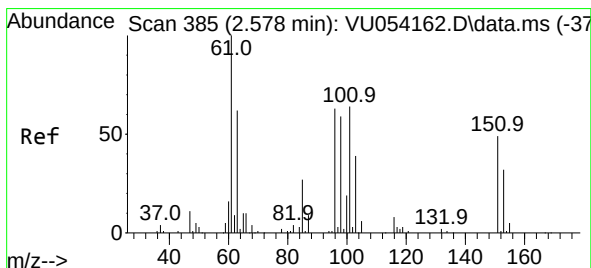
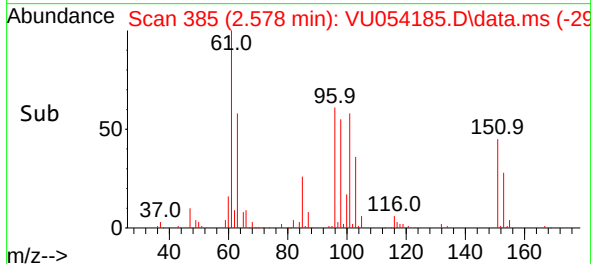
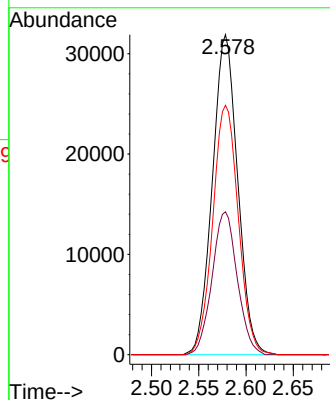
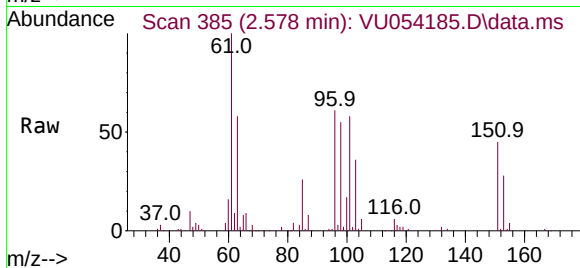
Tgt Ion:101 Resp: 59371

Ion Ratio Lower Upper

101 100

85 44.4 35.0 52.4

151 78.8 59.0 88.6



#12

1,1-Dichloroethene

Concen: 5.155 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU054185.D

Acq: 18 May 2023 23:17

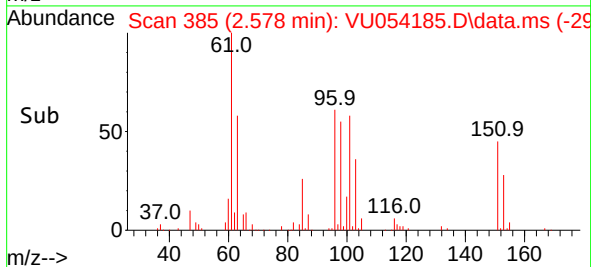
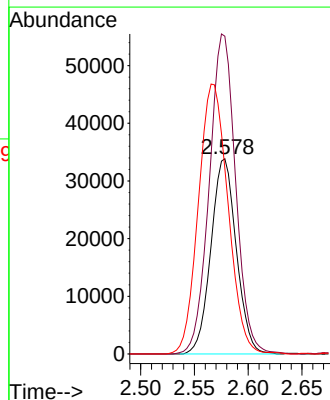
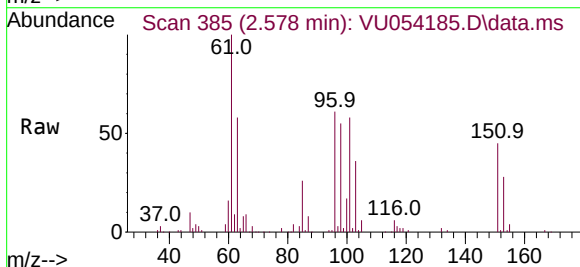
Tgt Ion: 96 Resp: 55516

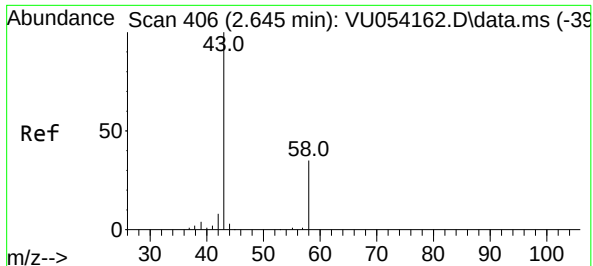
Ion Ratio Lower Upper

96 100

61 162.7 114.7 212.9

63 95.1 68.6 127.4





#13

Acetone

Concen: 43.912 ug/L

RT: 2.646 min Scan# 406

Delta R.T. 0.000 min

Lab File: VU054185.D

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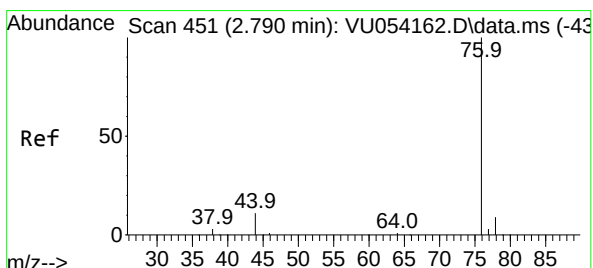
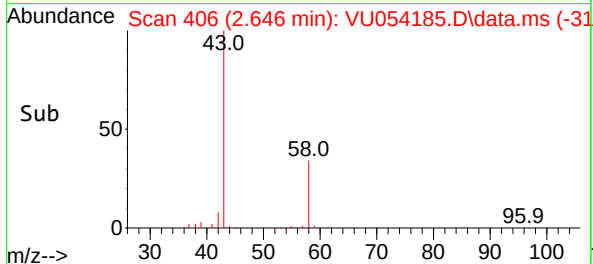
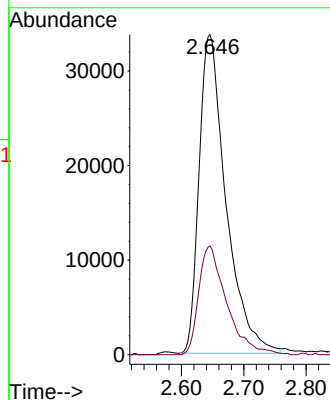
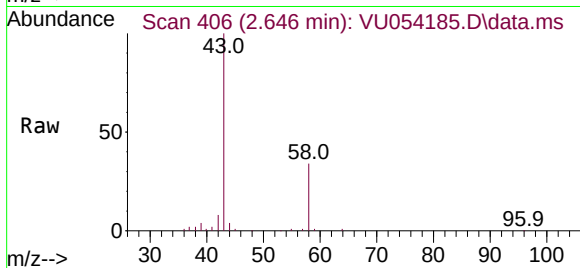
GBWZ7MSD

Tgt Ion: 43 Resp: 101061

Ion Ratio Lower Upper

43 100

58 35.3 0.0 73.2



#14

Carbon disulfide

Concen: 5.249 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU054185.D

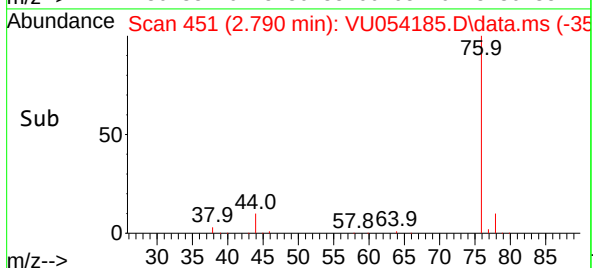
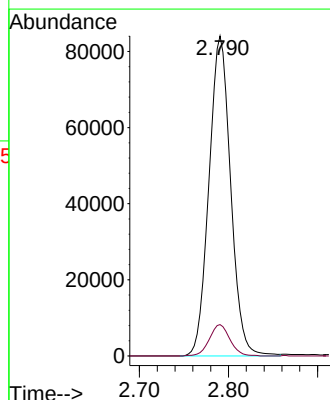
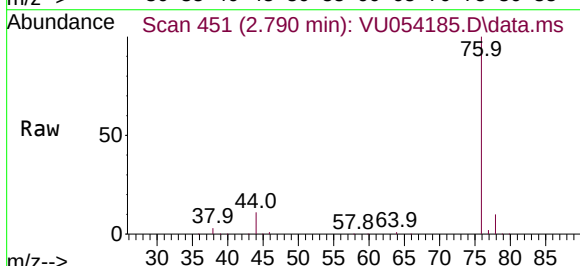
Acq: 18 May 2023 23:17

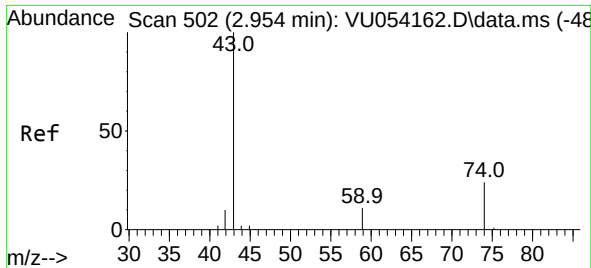
Tgt Ion: 76 Resp: 142032

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.0

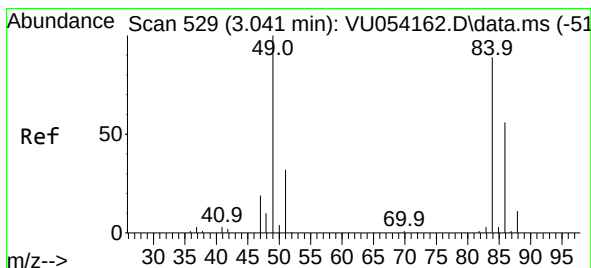
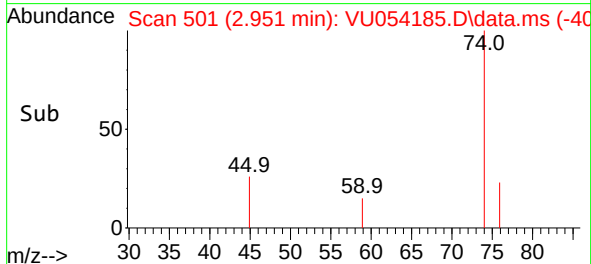
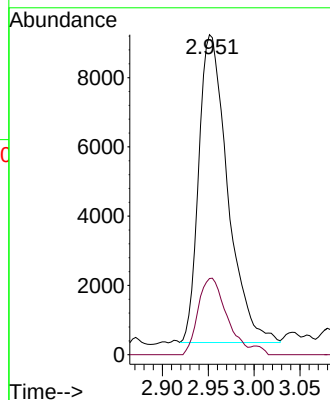
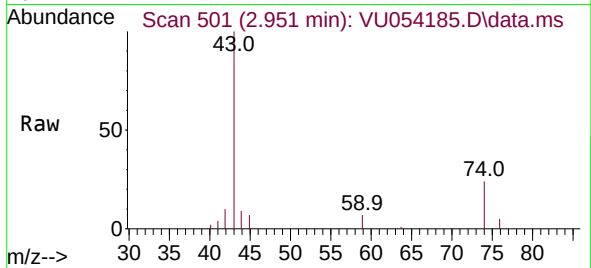




#15
Methyl Acetate
Concen: 4.726 ug/L
RT: 2.951 min Scan# 501
Delta R.T. -0.003 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

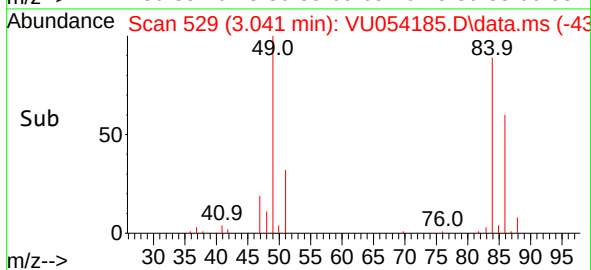
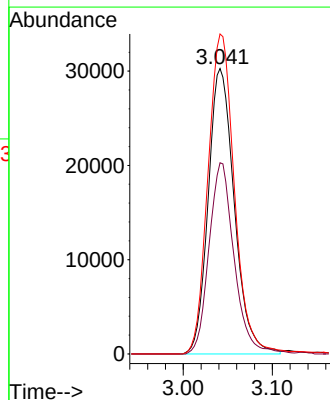
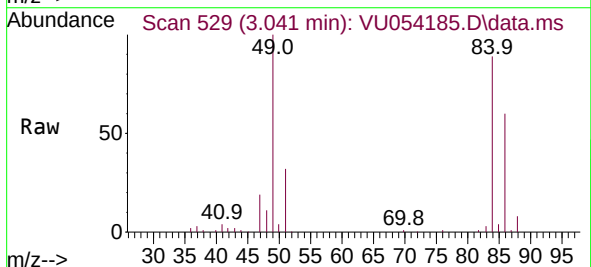
Instrument :
MSVOA_U
ClientSampleId :
GBWZ7MSD

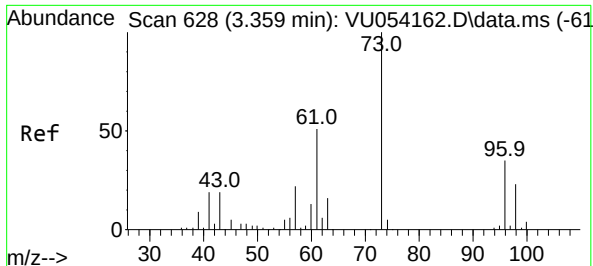
Tgt Ion: 43 Resp: 19501
Ion Ratio Lower Upper
43 100
74 24.5 20.3 30.5



#16
Methylene chloride
Concen: 4.374 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

Tgt Ion: 84 Resp: 61662
Ion Ratio Lower Upper
84 100
86 67.0 45.5 84.5
49 112.1 81.3 150.9

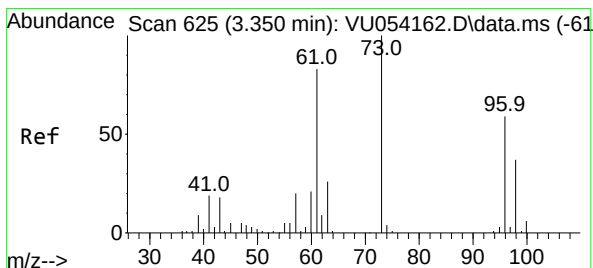
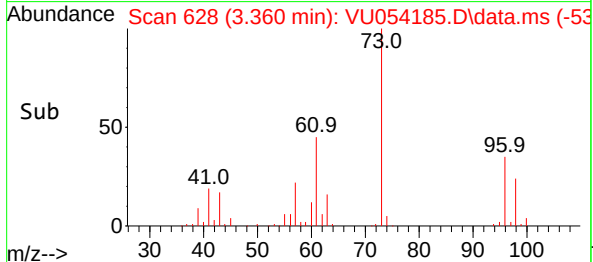
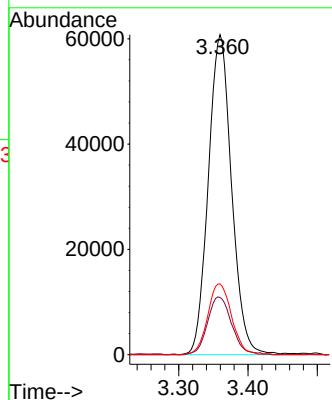
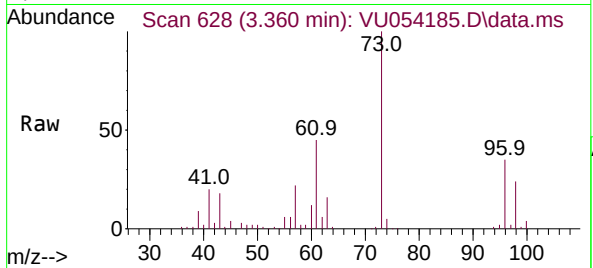




#17
Methyl tert-butyl Ether
Concen: 5.224 ug/L
RT: 3.360 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

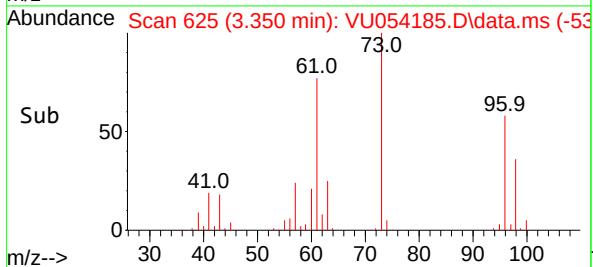
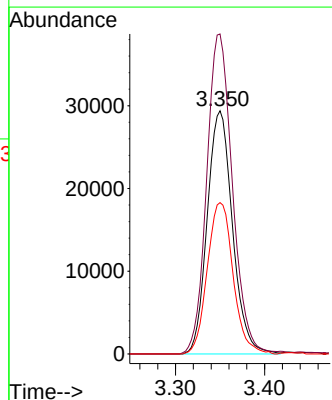
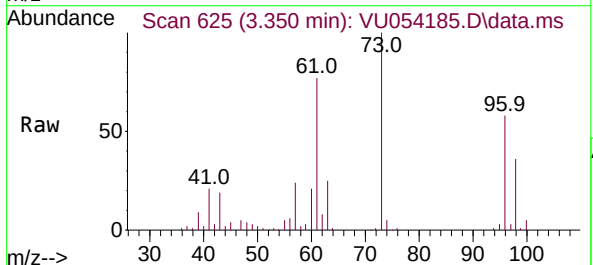
Instrument :
MSVOA_U
ClientSampleId :
GBWZ7MSD

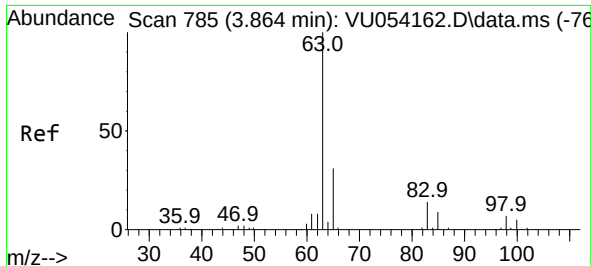
Tgt Ion: 73 Resp: 141627
Ion Ratio Lower Upper
73 100
43 18.8 14.6 22.0
57 22.7 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 5.286 ug/L
RT: 3.350 min Scan# 625
Delta R.T. 0.000 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

Tgt Ion: 96 Resp: 57904
Ion Ratio Lower Upper
96 100
61 131.6 94.1 174.8
98 62.2 45.3 84.1





#19

1,1-Dichloroethane

Concen: 5.279 ug/L

RT: 3.864 min Scan# 785

Delta R.T. 0.000 min

Lab File: VU054185.D

Acq: 18 May 2023 23:17

Instrument :

MSVOA_U

ClientSampleId :

GBWZ7MSD

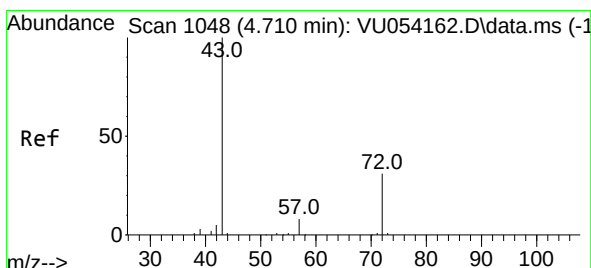
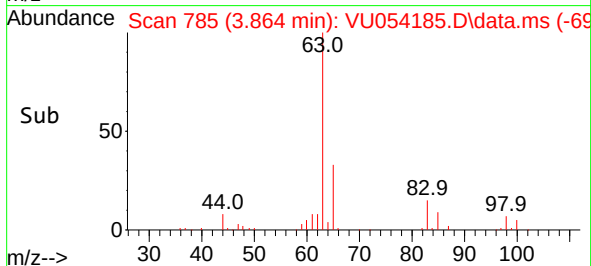
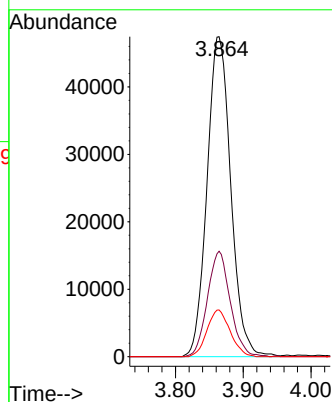
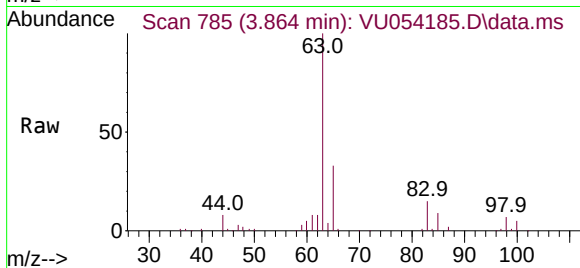
Tgt Ion: 63 Resp: 115789

Ion Ratio Lower Upper

63 100

65 32.9 20.7 38.5

83 14.6 10.1 18.7



#21

2-Butanone

Concen: 47.049 ug/L

RT: 4.707 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU054185.D

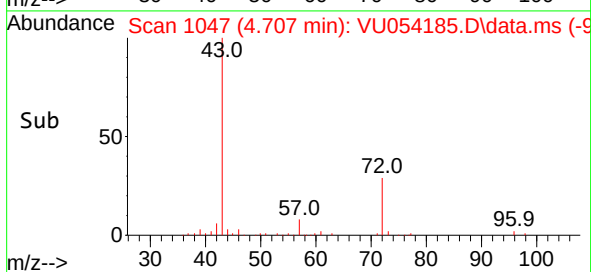
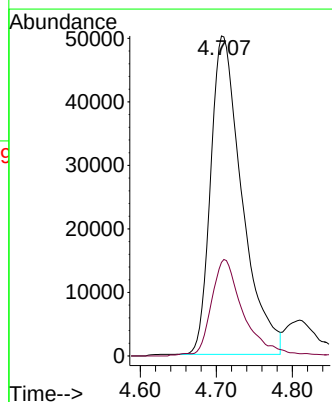
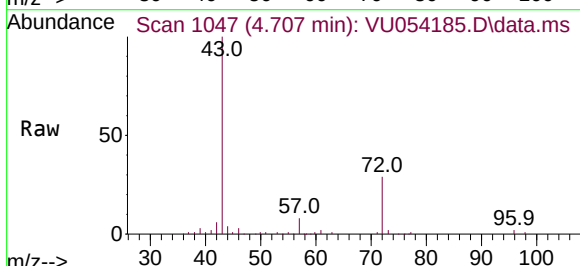
Acq: 18 May 2023 23:17

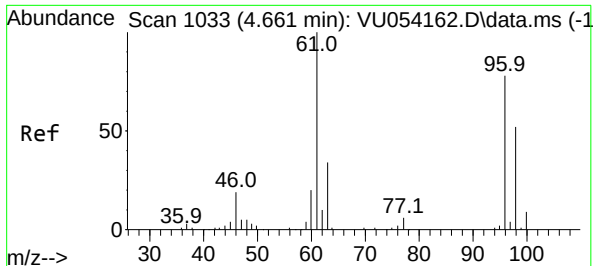
Tgt Ion: 43 Resp: 143427

Ion Ratio Lower Upper

43 100

72 29.3 14.2 42.8

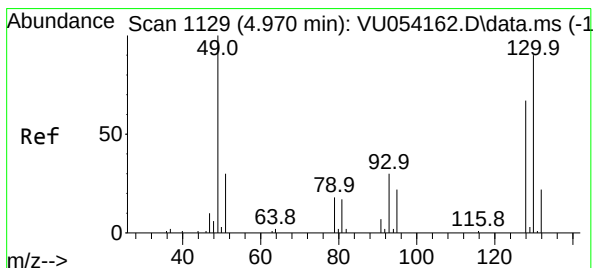
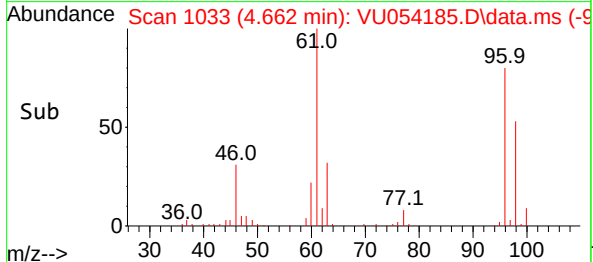
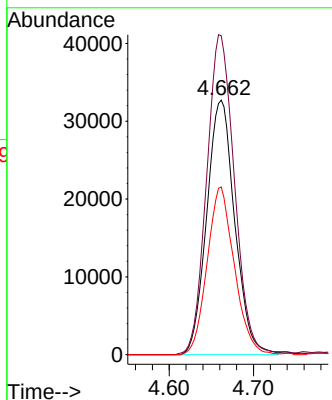
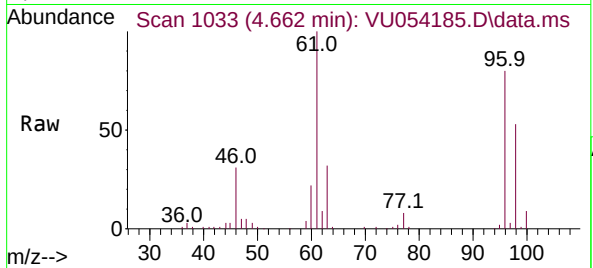




#22
cis-1,2-Dichloroethene
Concen: 5.911 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

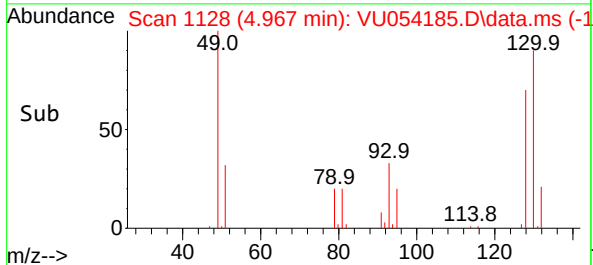
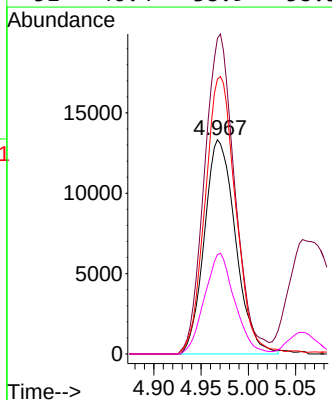
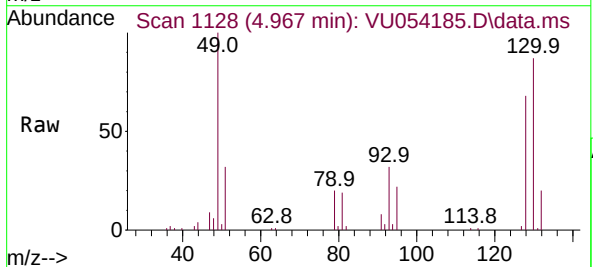
Instrument :
MSVOA_U
ClientSampleId :
GBWZ7MSD

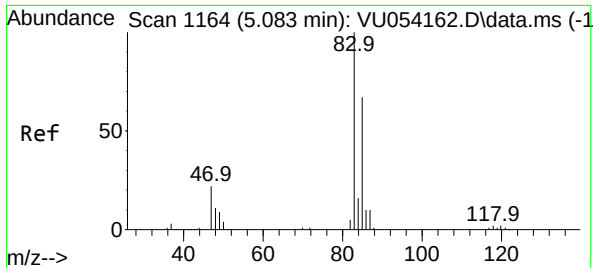
Tgt Ion:	96	Resp:	75714
Ion	Ratio	Lower	Upper
96	100		
61	125.3	85.0	157.8
98	65.9	45.8	85.0



#23
Bromochloromethane
Concen: 5.467 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

Tgt Ion:	128	Resp:	30590
Ion	Ratio	Lower	Upper
128	100		
49	147.3	100.9	187.3
130	128.3	93.2	173.0
51	46.4	38.9	58.3





#25

Chloroform

Concen: 5.080 ug/L

RT: 5.080 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU054185.D

Acq: 18 May 2023 23:17

Instrument :

MSVOA_U

ClientSampleId :

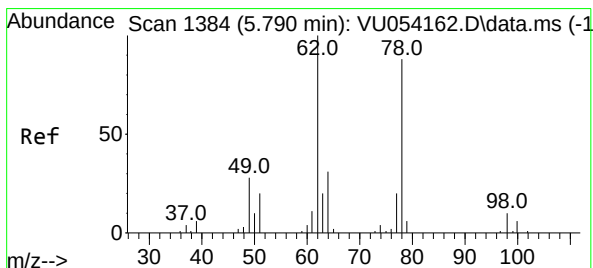
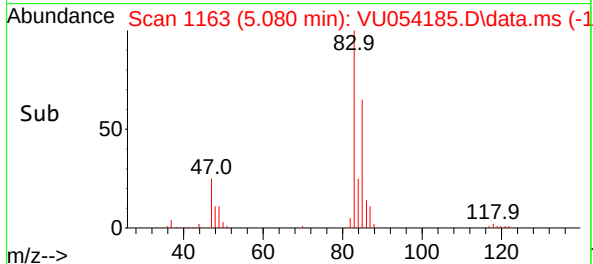
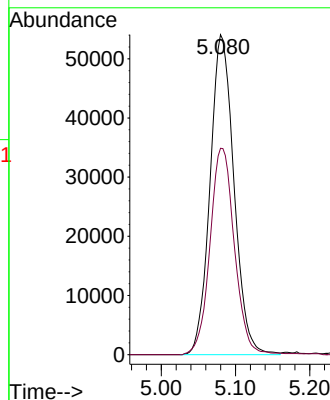
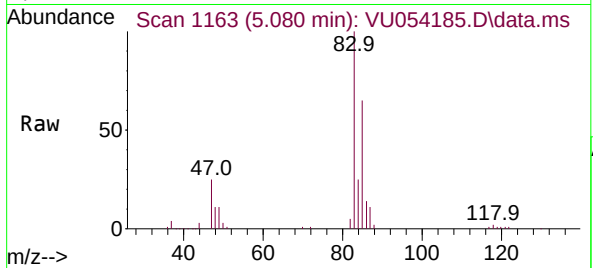
GBWZ7MSD

Tgt Ion: 83 Resp: 120857

Ion Ratio Lower Upper

83 100

85 64.5 46.8 87.0



#27

1,2-Dichloroethane

Concen: 5.357 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU054185.D

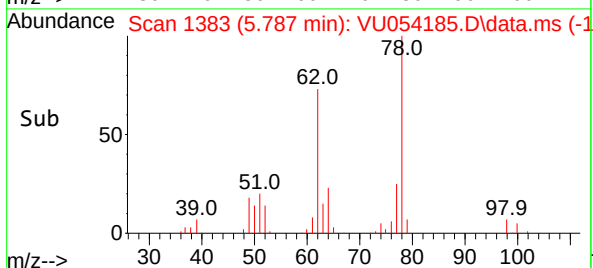
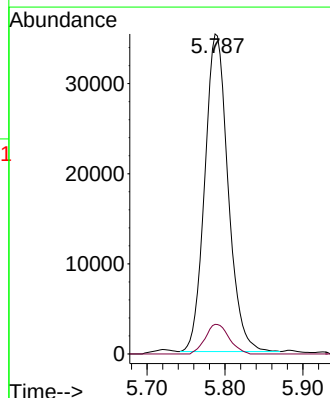
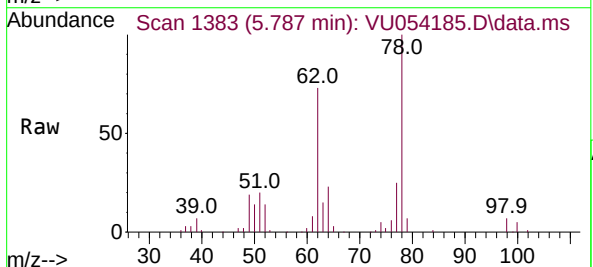
Acq: 18 May 2023 23:17

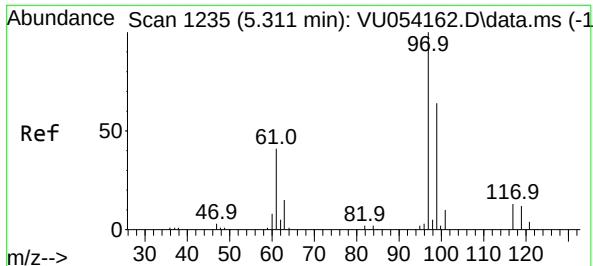
Tgt Ion: 62 Resp: 73284

Ion Ratio Lower Upper

62 100

98 9.3 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 5.032 ug/L

RT: 5.308 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054185.D

Acq: 18 May 2023 23:17

Instrument :

MSVOA_U

ClientSampleId :

GBWZ7MSD

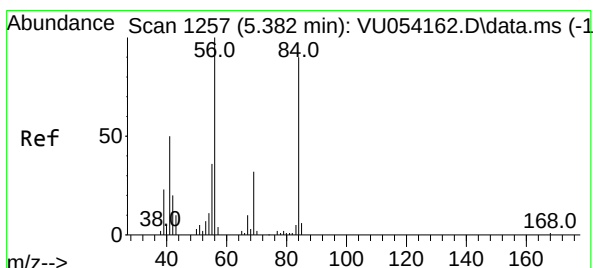
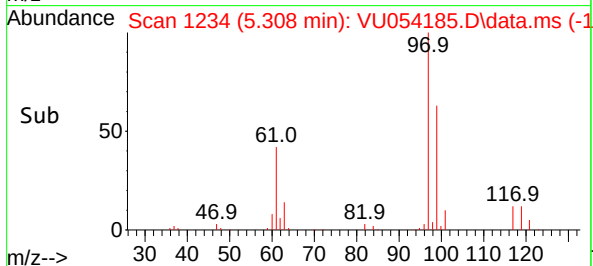
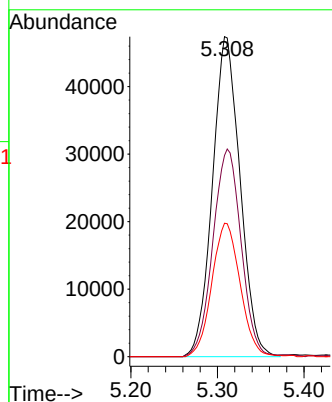
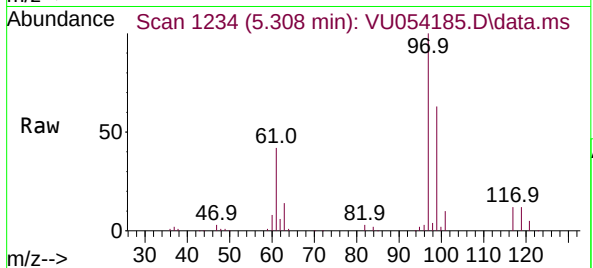
Tgt Ion: 97 Resp: 105076

Ion Ratio Lower Upper

97 100

99 66.2 51.8 77.6

61 42.7 33.4 50.2



#30

Cyclohexane

Concen: 5.928 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VU054185.D

Acq: 18 May 2023 23:17

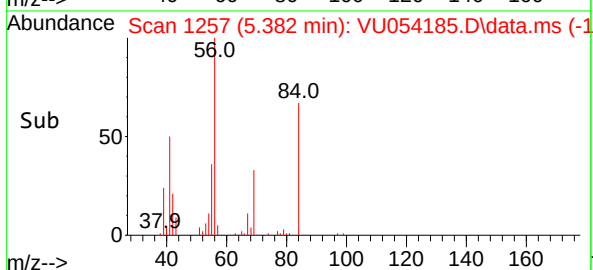
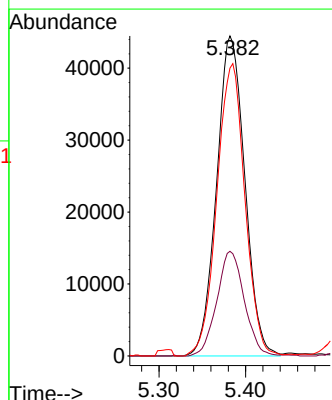
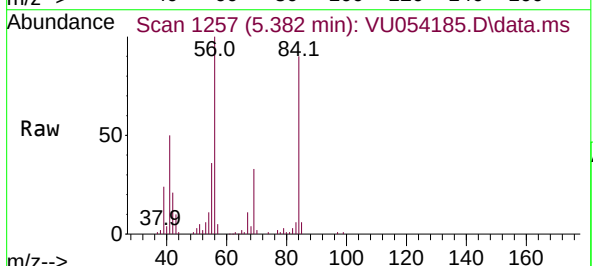
Tgt Ion: 56 Resp: 100741

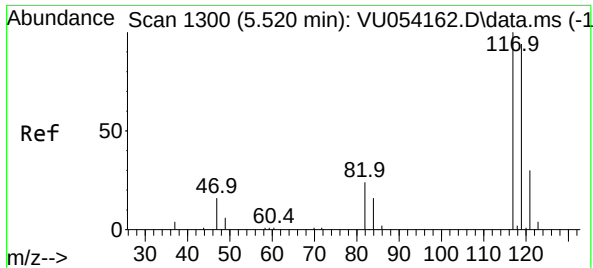
Ion Ratio Lower Upper

56 100

69 31.8 26.2 39.4

84 90.7 74.2 111.4

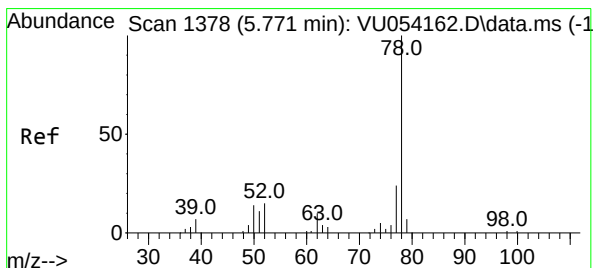
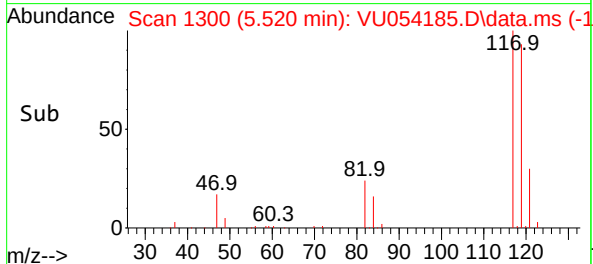
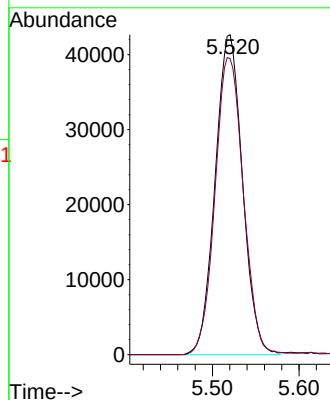
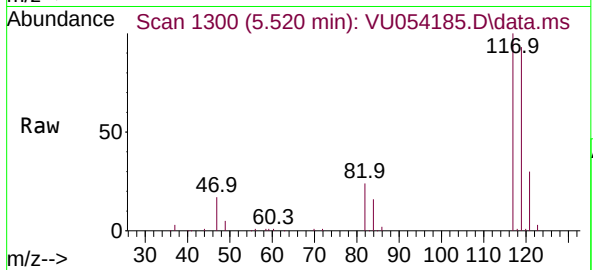




#31
Carbon tetrachloride
Concen: 5.165 ug/L
RT: 5.520 min Scan# 111
Delta R.T. 0.000 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

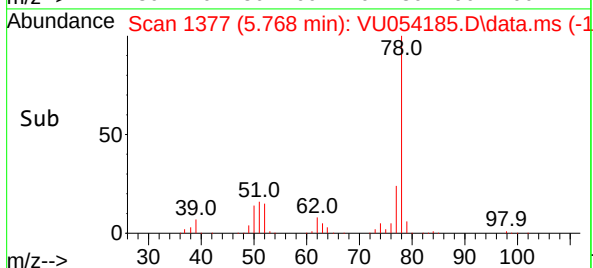
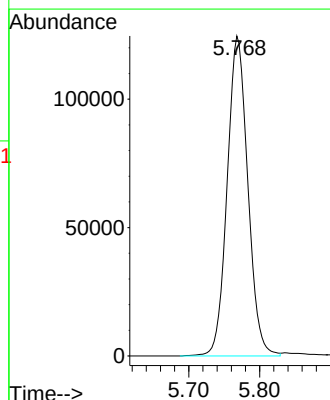
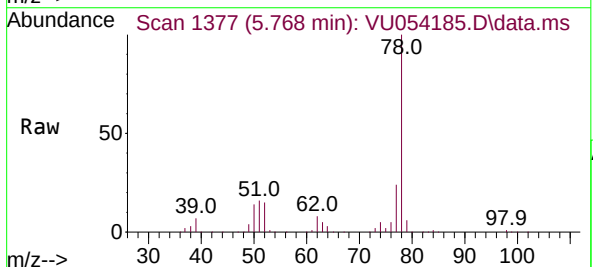
Instrument :
MSVOA_U
ClientSampleId :
GBWZ7MSD

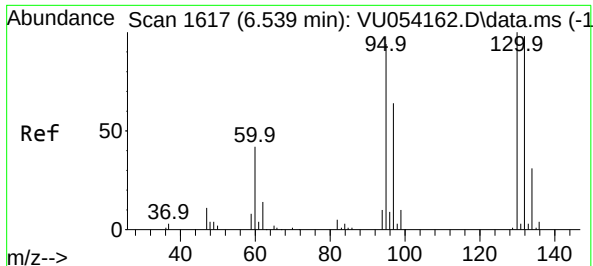
Tgt Ion:117 Resp: 93523
Ion Ratio Lower Upper
117 100
119 96.0 76.6 114.8



#33
Benzene
Concen: 5.350 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

Tgt Ion: 78 Resp: 252567

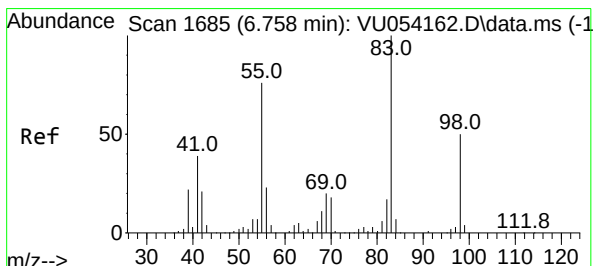
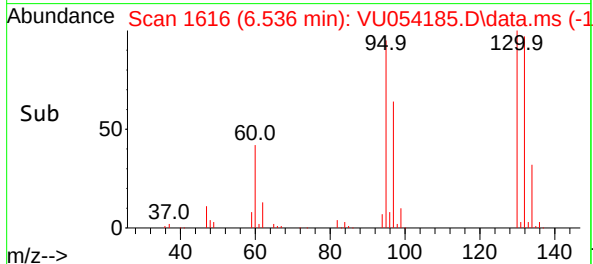
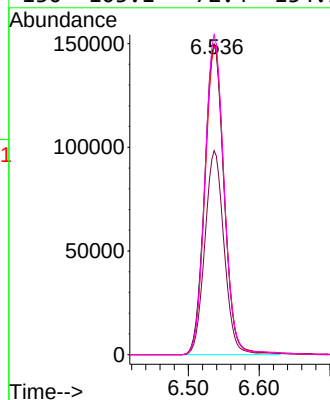
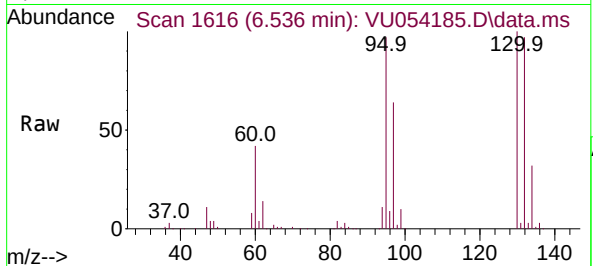




#34
Trichloroethene
Concen: 22.536 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

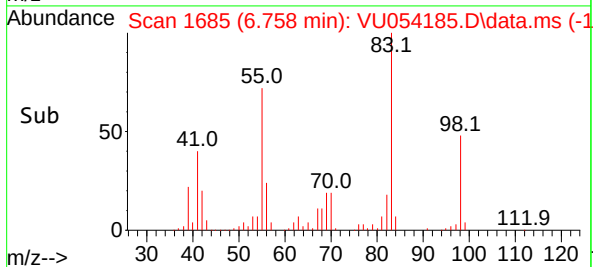
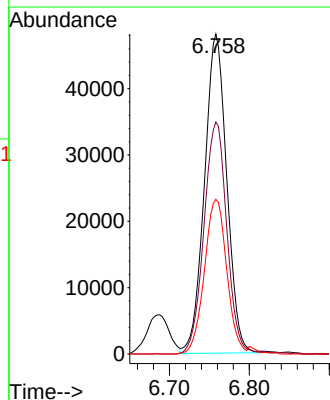
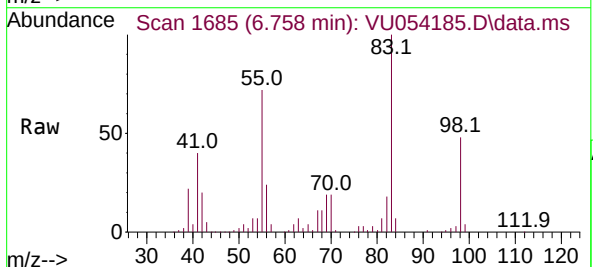
Instrument :
MSVOA_U
ClientSampleId :
GBWZ7MSD

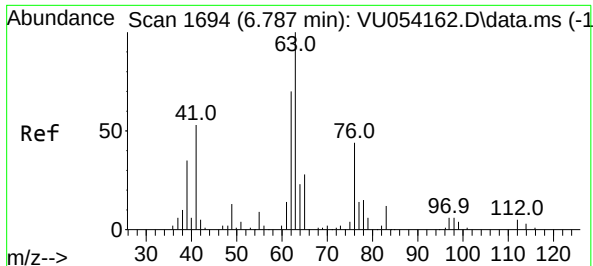
Tgt Ion: 95 Resp: 286143
Ion Ratio Lower Upper
95 100
97 65.7 45.8 85.0
132 99.6 70.1 130.3
130 103.1 72.4 134.5



#35
Methylcyclohexane
Concen: 5.030 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

Tgt Ion: 83 Resp: 93377
Ion Ratio Lower Upper
83 100
55 74.3 61.6 92.4
98 48.4 41.3 61.9

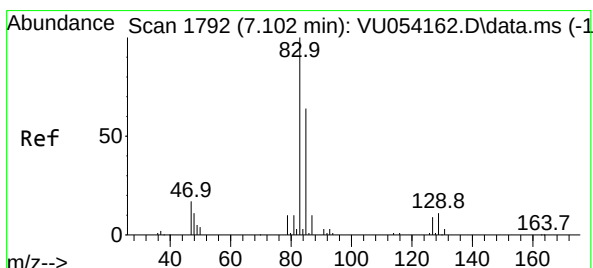
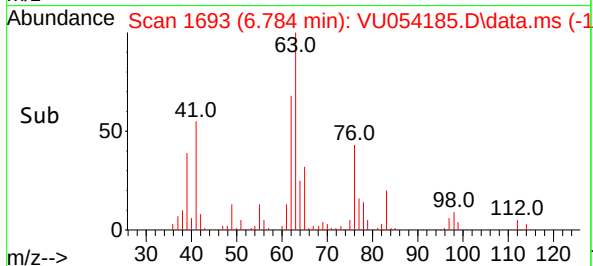
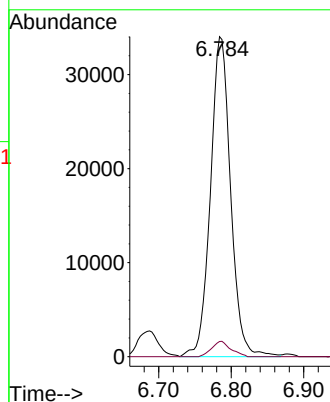
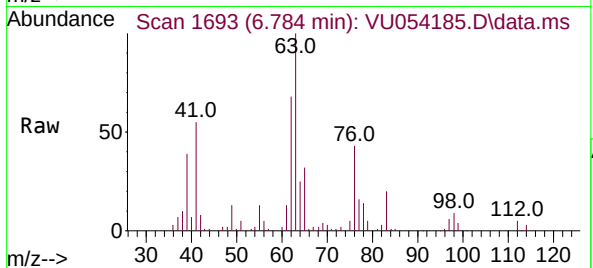




#37
1,2-Dichloropropane
Concen: 5.312 ug/L
RT: 6.784 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

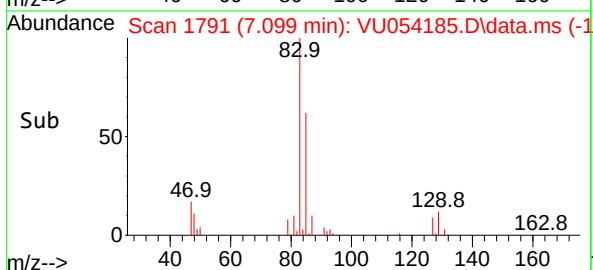
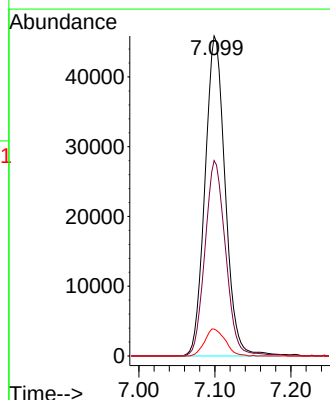
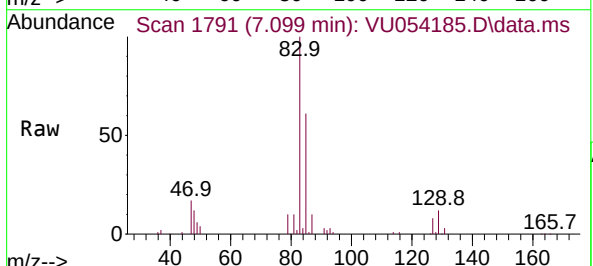
Instrument :
MSVOA_U
ClientSampleId :
GBWZ7MSD

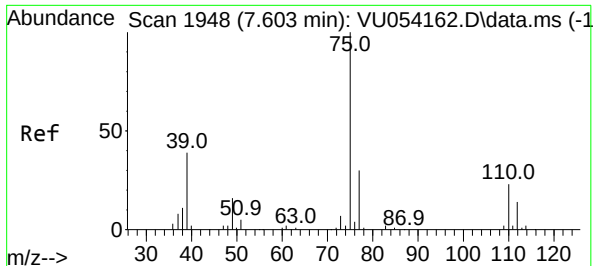
Tgt Ion: 63 Resp: 65853
Ion Ratio Lower Upper
63 100
112 4.5 3.3 4.9



#38
Bromodichloromethane
Concen: 5.394 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.003 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

Tgt Ion: 83 Resp: 84675
Ion Ratio Lower Upper
83 100
85 61.0 44.2 82.0
127 8.4 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 5.124 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU054185.D

Acq: 18 May 2023 23:17

Instrument :

MSVOA_U

ClientSampleId :

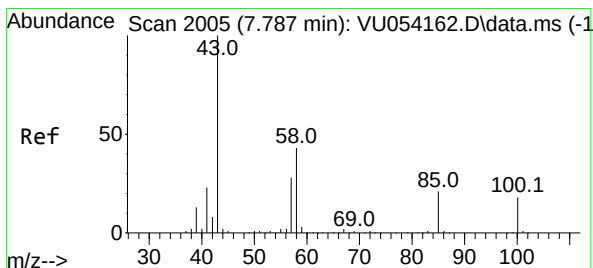
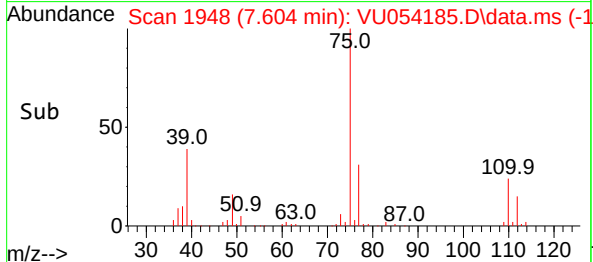
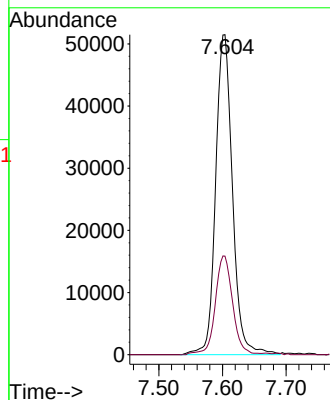
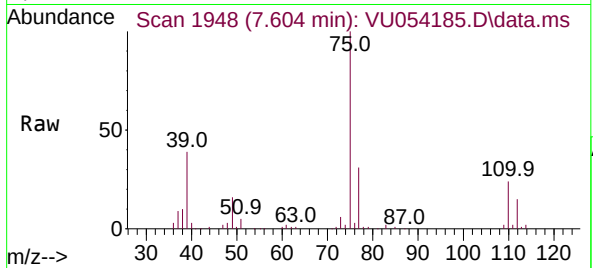
GBWZ7MSD

Tgt Ion: 75 Resp: 94637

Ion Ratio Lower Upper

75 100

77 30.8 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 55.563 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU054185.D

Acq: 18 May 2023 23:17

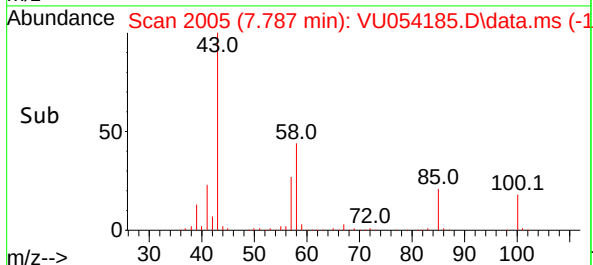
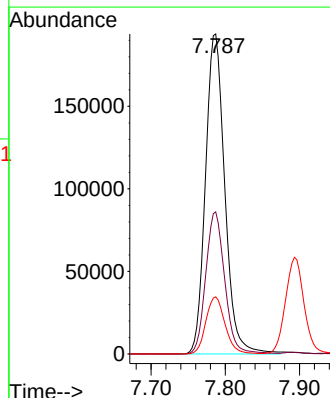
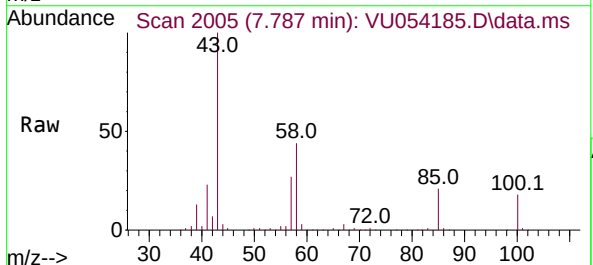
Tgt Ion: 43 Resp: 350626

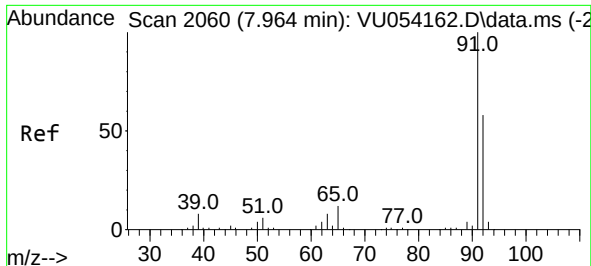
Ion Ratio Lower Upper

43 100

58 43.6 34.8 52.2

100 17.7 14.1 21.1

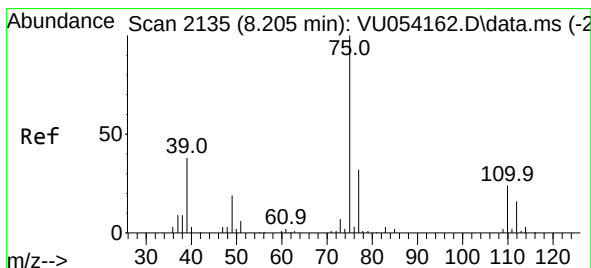
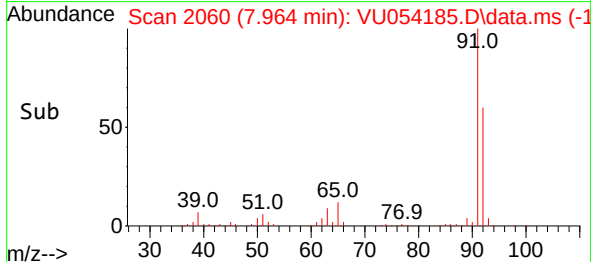
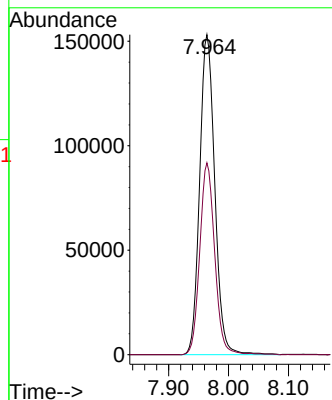
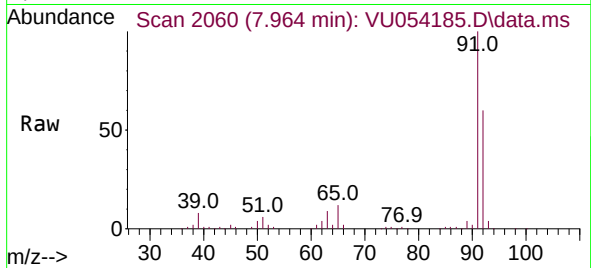




#42
Toluene
Concen: 5.395 ug/L
RT: 7.964 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

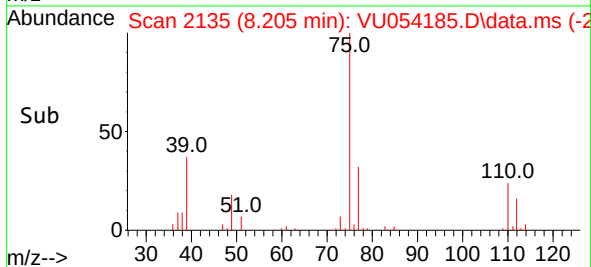
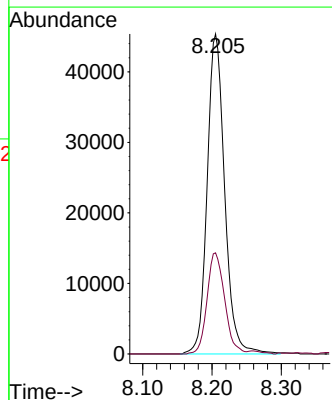
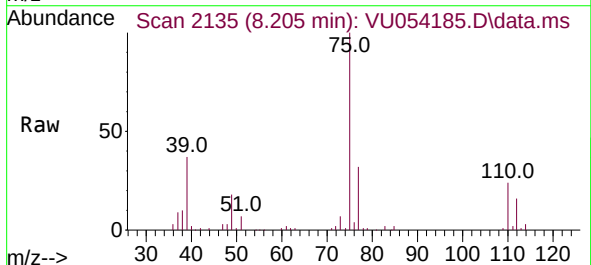
Instrument :
MSVOA_U
ClientSampleId :
GBWZ7MSD

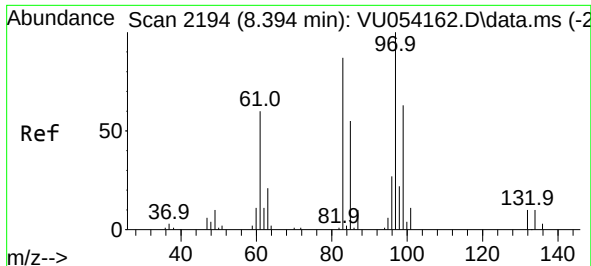
Tgt Ion: 91 Resp: 269122
Ion Ratio Lower Upper
91 100
92 59.9 42.1 78.1



#44
trans-1,3-Dichloropropene
Concen: 5.225 ug/L
RT: 8.205 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

Tgt Ion: 75 Resp: 79208
Ion Ratio Lower Upper
75 100
77 31.6 20.8 38.6





#45

1,1,2-Trichloroethane

Concen: 5.221 ug/L

RT: 8.395 min Scan# 2194

Delta R.T. 0.000 min

Lab File: VU054185.D

Acq: 18 May 2023 23:17

Instrument :

MSVOA_U

ClientSampleId :

GBWZ7MSD

Tgt Ion: 97 Resp: 46646

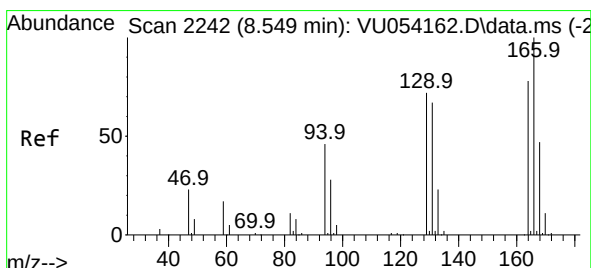
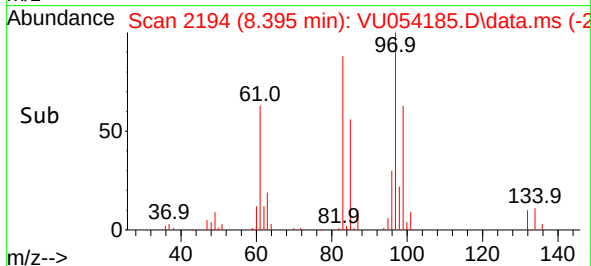
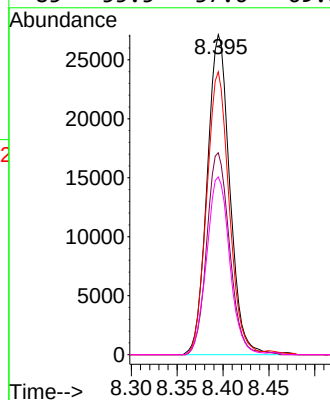
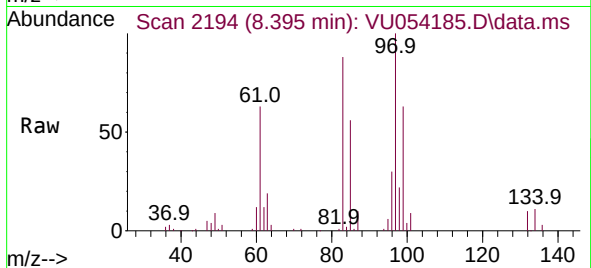
Ion Ratio Lower Upper

97 100

99 63.1 43.0 79.8

83 88.4 59.1 109.9

85 55.5 37.6 69.8



#47

Tetrachloroethene

Concen: 4.978 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU054185.D

Acq: 18 May 2023 23:17

Tgt Ion: 164 Resp: 51944

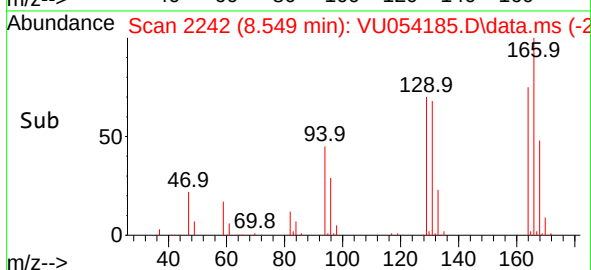
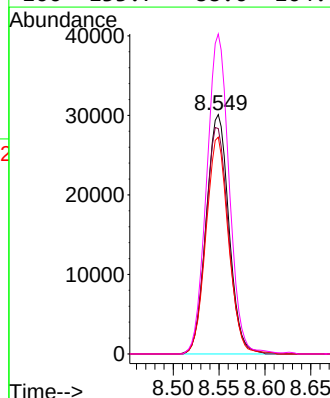
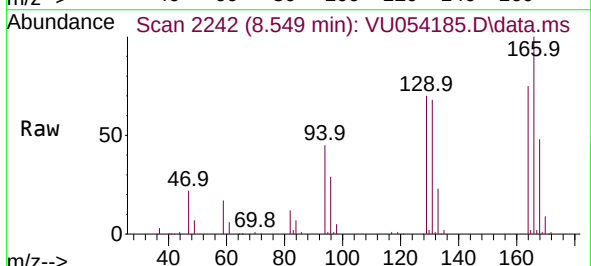
Ion Ratio Lower Upper

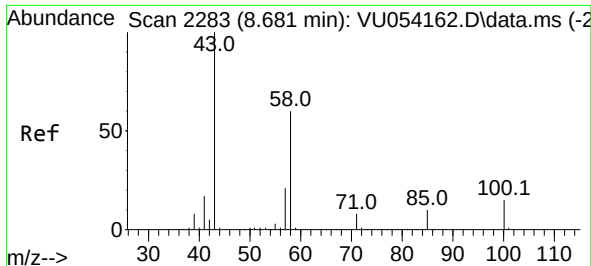
164 100

129 94.2 63.3 117.7

131 90.5 61.0 113.4

166 133.7 88.6 164.6



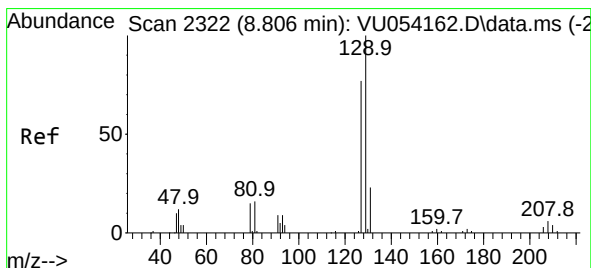
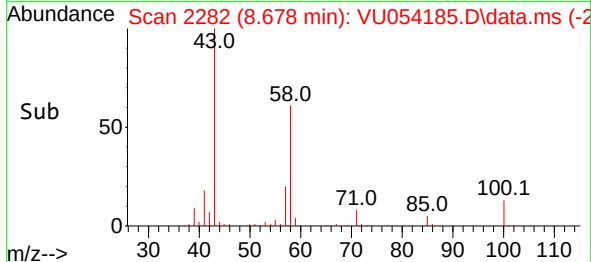
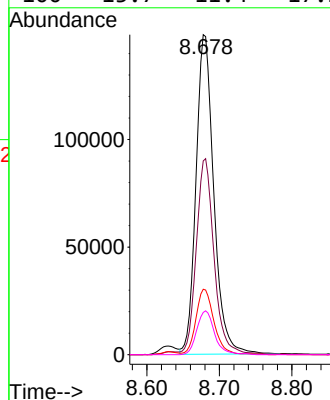
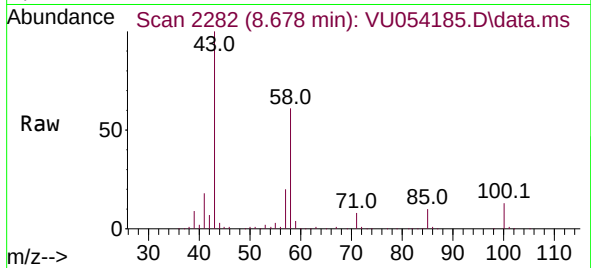


#48
2-Hexanone
Concen: 53.134 ug/L
RT: 8.678 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

Instrument :
MSVOA_U
ClientSampleId :
GBWZ7MSD

Tgt Ion: 43 Resp: 253512

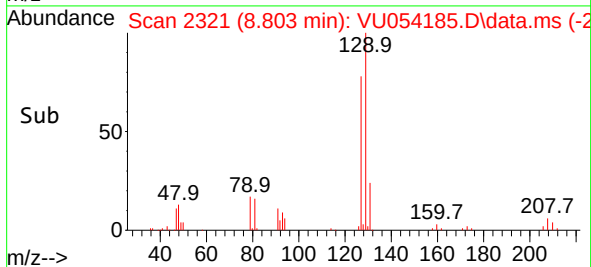
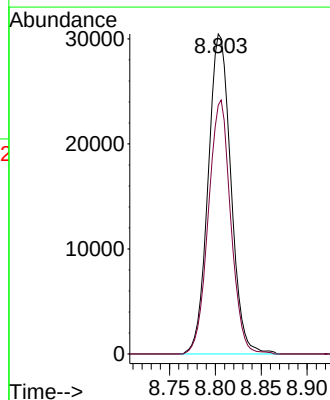
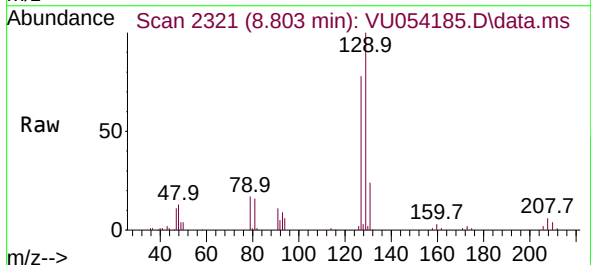
Ion	Ratio	Lower	Upper
43	100		
58	61.2	48.6	72.8
57	20.0	16.7	25.1
100	13.7	11.4	17.2

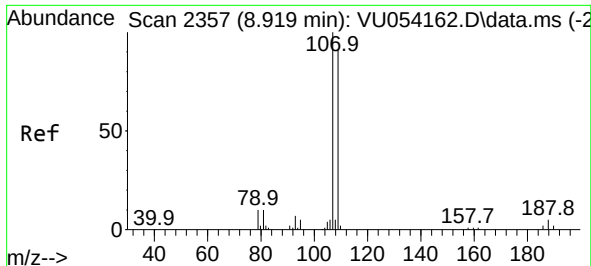


#49
Dibromochloromethane
Concen: 5.276 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

Tgt Ion: 129 Resp: 52621

Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.6	99.6





#50

1,2-Dibromoethane

Concen: 5.546 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054185.D

Acq: 18 May 2023 23:17

Instrument :

MSVOA_U

ClientSampleId :

GBWZ7MSD

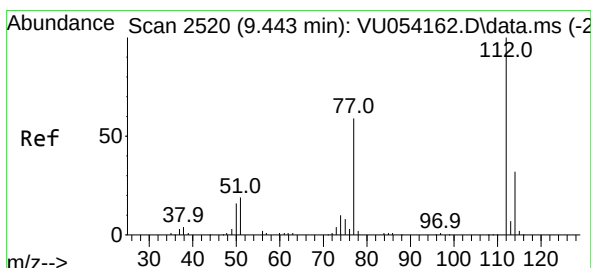
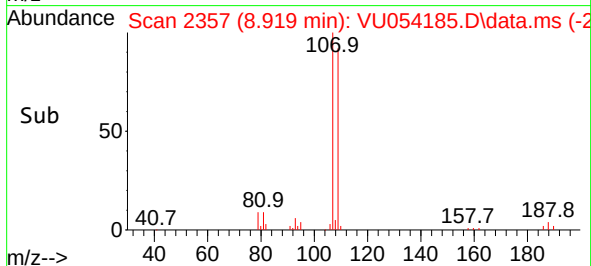
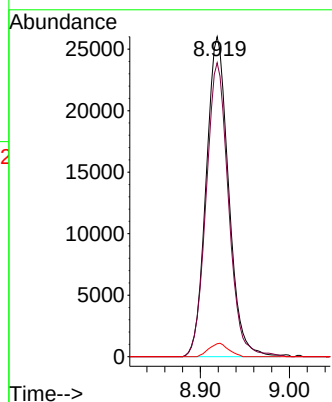
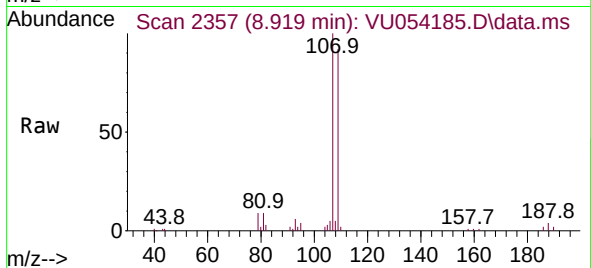
Tgt Ion:107 Resp: 45536

Ion Ratio Lower Upper

107 100

109 91.9 66.4 123.2

188 4.1 3.8 5.6



#51

Chlorobenzene

Concen: 5.259 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU054185.D

Acq: 18 May 2023 23:17

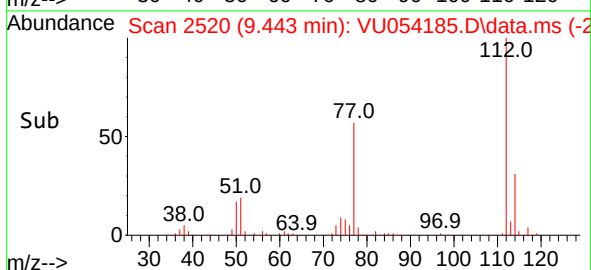
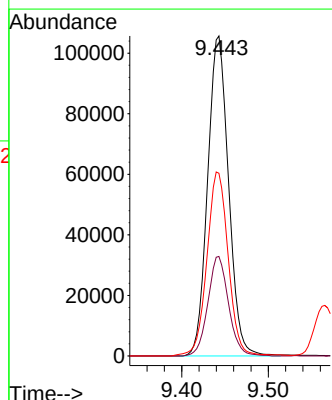
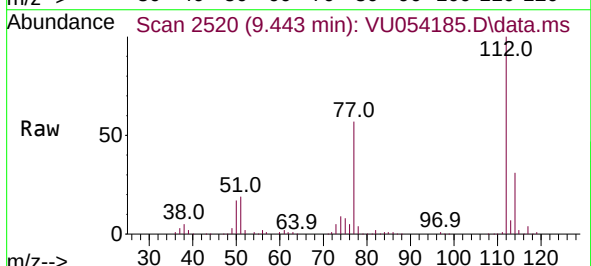
Tgt Ion:112 Resp: 177383

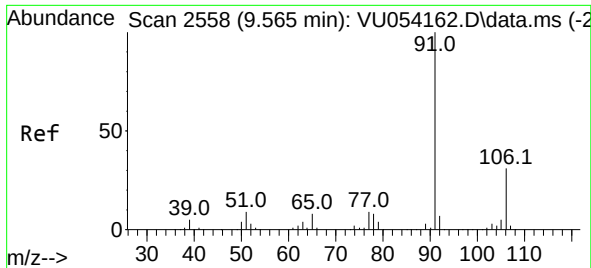
Ion Ratio Lower Upper

112 100

114 31.1 22.4 41.6

77 57.1 46.1 69.1

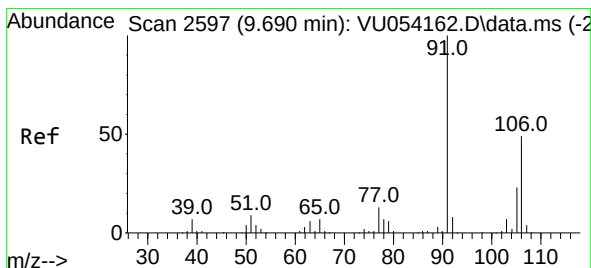
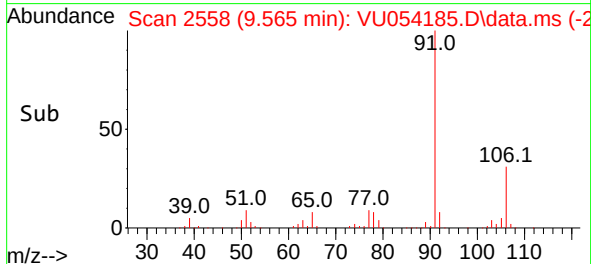
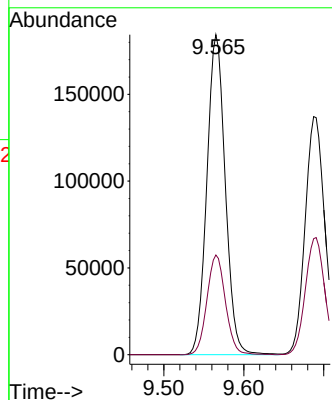
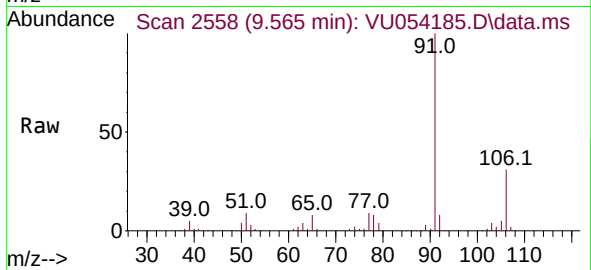




#52
Ethylbenzene
Concen: 5.312 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

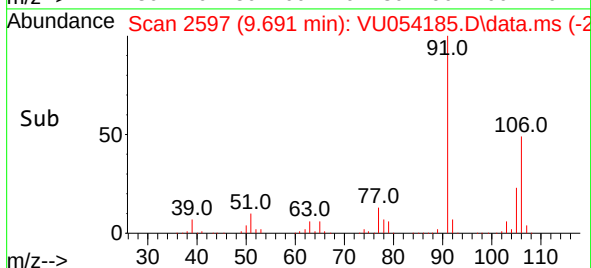
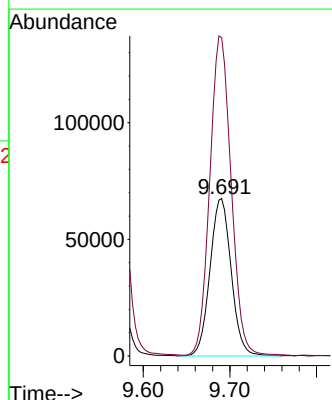
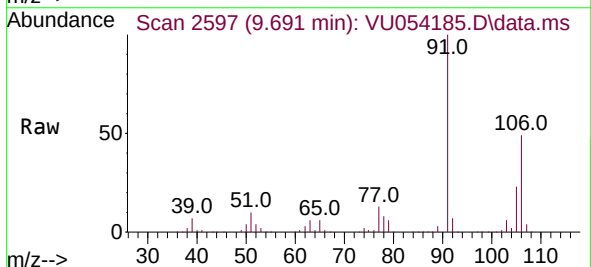
Instrument :
MSVOA_U
ClientSampleId :
GBWZ7MSD

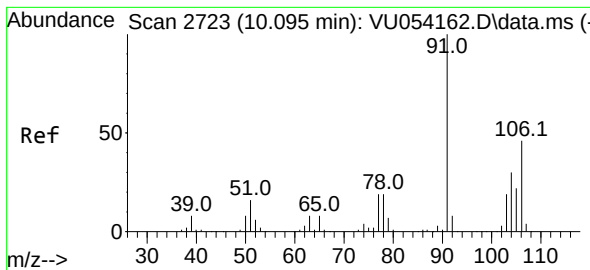
Tgt Ion: 91 Resp: 295302
Ion Ratio Lower Upper
91 100
106 31.2 21.3 39.5



#53
m,p-Xylene
Concen: 5.434 ug/L
RT: 9.691 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

Tgt Ion: 106 Resp: 114736
Ion Ratio Lower Upper
106 100
91 202.3 146.3 271.7





#54

o-Xylene

Concen: 5.383 ug/L

RT: 10.096 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054185.D

Acq: 18 May 2023 23:17

Instrument :

MSVOA_U

ClientSampleId :

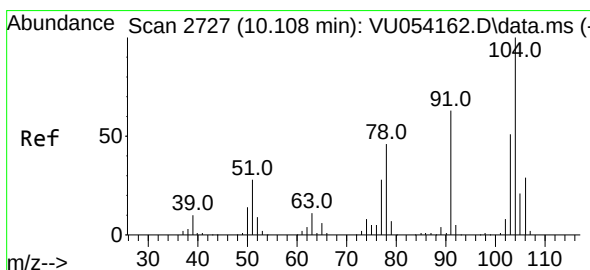
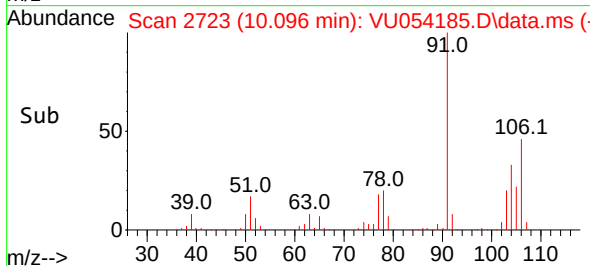
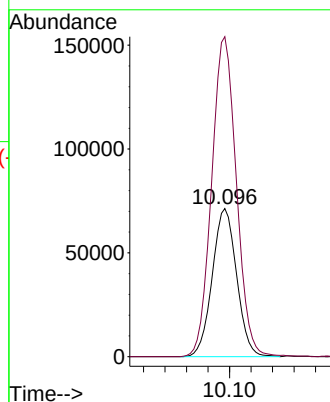
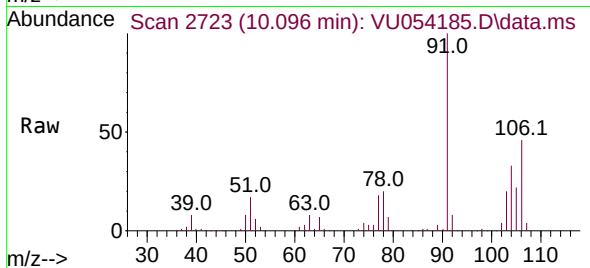
GBWZ7MSD

Tgt Ion:106 Resp: 112255

Ion Ratio Lower Upper

106 100

91 215.9 153.6 285.3



#55

Styrene

Concen: 5.566 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. 0.000 min

Lab File: VU054185.D

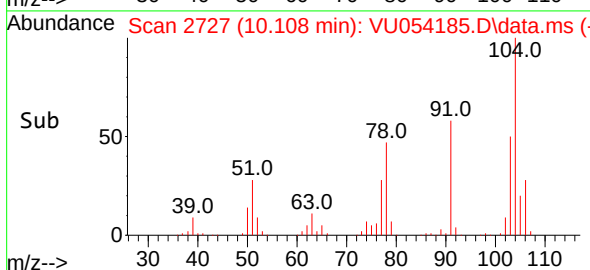
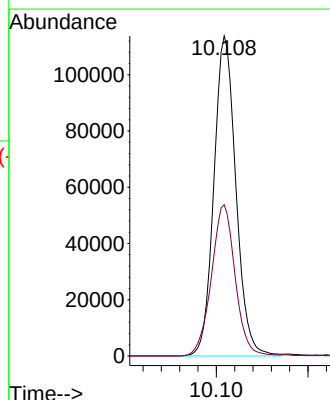
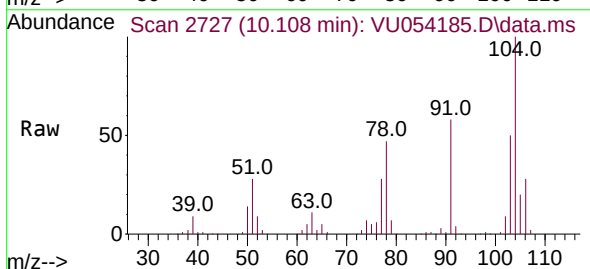
Acq: 18 May 2023 23:17

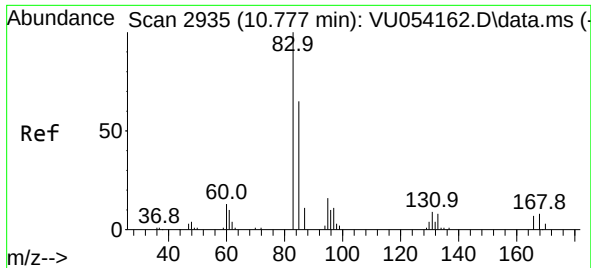
Tgt Ion:104 Resp: 189777

Ion Ratio Lower Upper

104 100

78 47.3 33.1 61.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.635 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU054185.D

Acq: 18 May 2023 23:17

Instrument :

MSVOA_U

ClientSampleId :

GBWZ7MSD

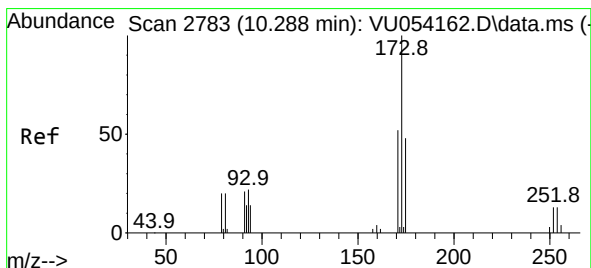
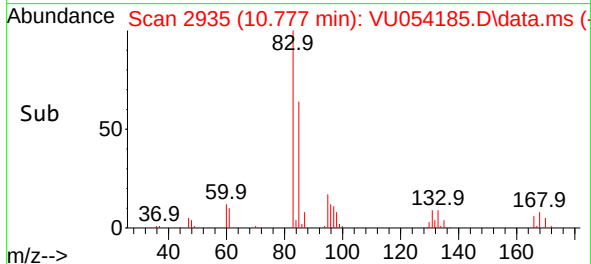
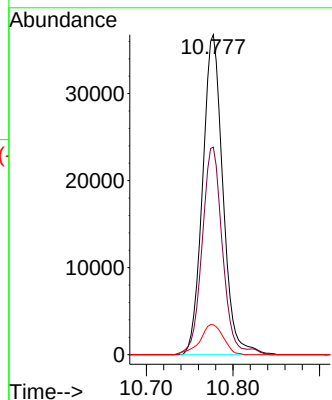
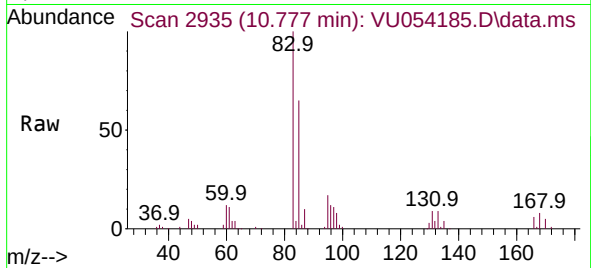
Tgt Ion: 83 Resp: 59785

Ion Ratio Lower Upper

83 100

85 64.9 44.8 83.2

131 9.3 8.1 12.1



#59

Bromoform

Concen: 5.360 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.003 min

Lab File: VU054185.D

Acq: 18 May 2023 23:17

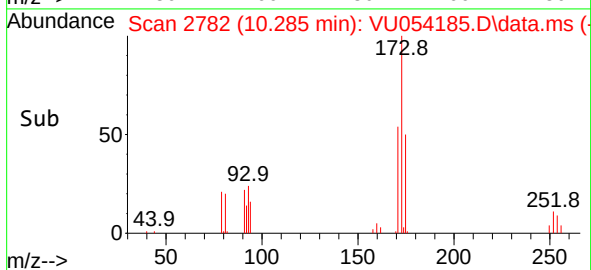
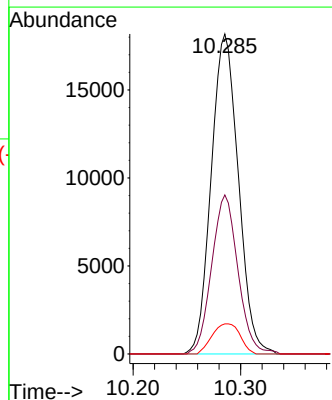
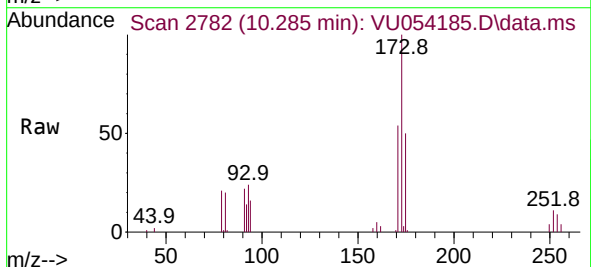
Tgt Ion:173 Resp: 31810

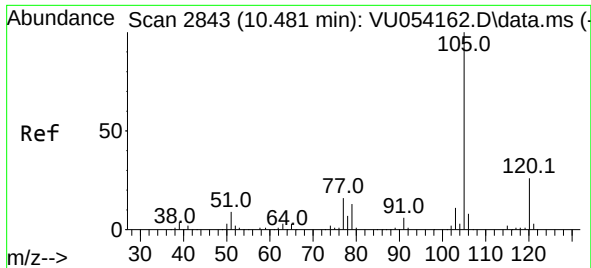
Ion Ratio Lower Upper

173 100

175 48.1 38.6 58.0

254 9.7 7.9 11.9

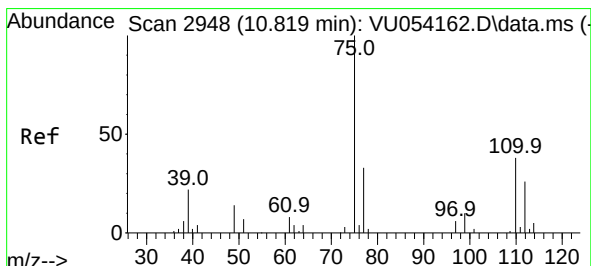
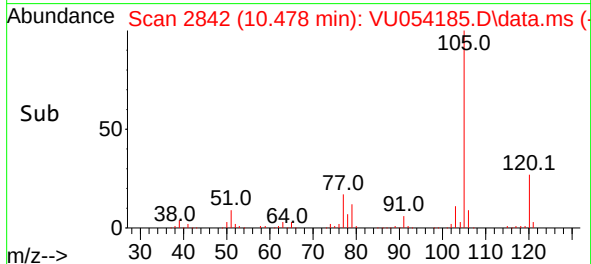
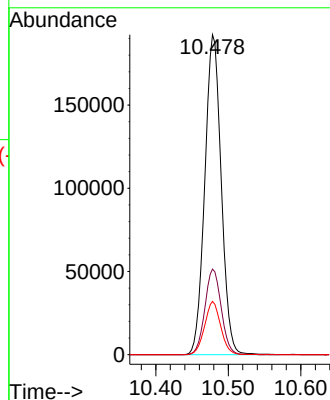
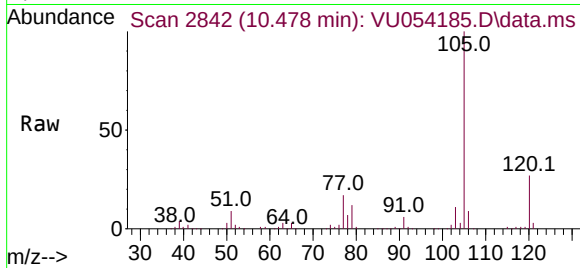




#60
Isopropylbenzene
Concen: 5.370 ug/L
RT: 10.478 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

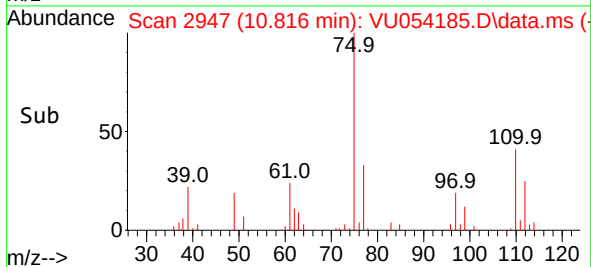
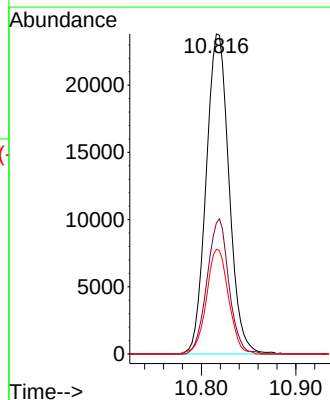
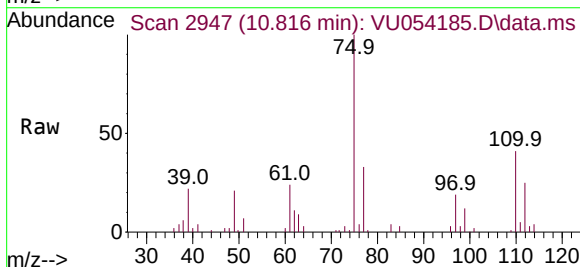
Instrument :
MSVOA_U
ClientSampleId :
GBWZ7MSD

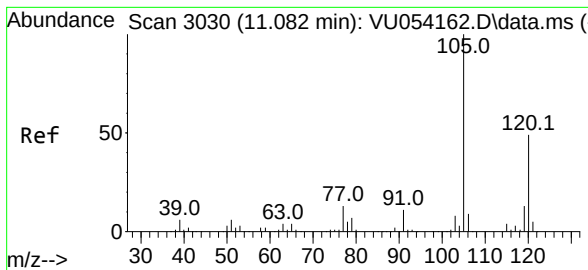
Tgt Ion:105 Resp: 302406
Ion Ratio Lower Upper
105 100
120 26.6 21.3 31.9
77 16.3 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 5.345 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. -0.003 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

Tgt Ion: 75 Resp: 39997
Ion Ratio Lower Upper
75 100
110 40.2 32.3 48.5
77 31.7 26.3 39.5

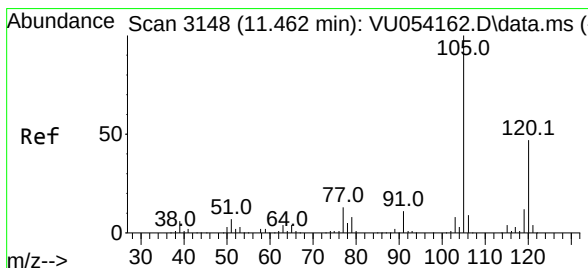
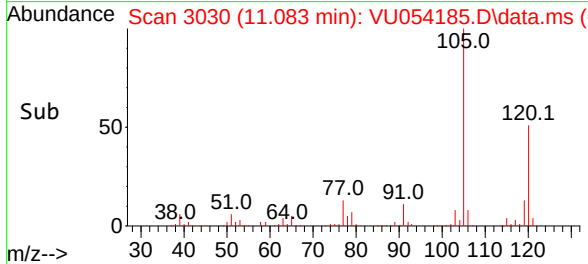
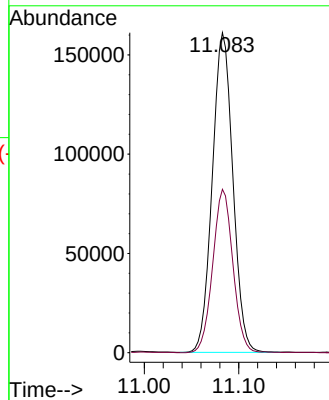
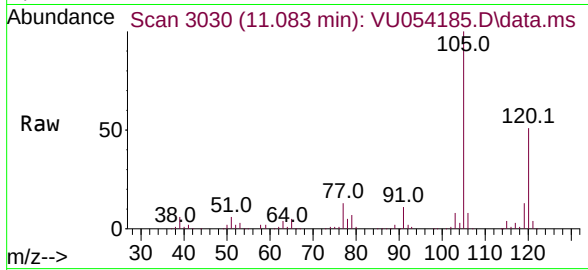




#62
 1,3,5-Trimethylbenzene
 Concen: 5.291 ug/L
 RT: 11.083 min Scan# 3030
 Delta R.T. 0.000 min
 Lab File: VU054185.D
 Acq: 18 May 2023 23:17

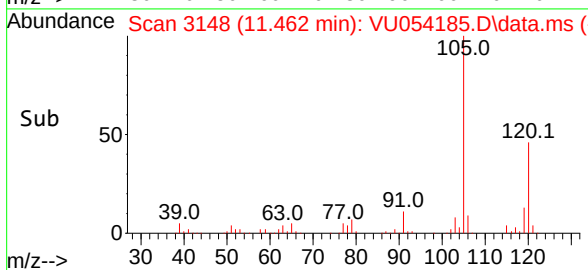
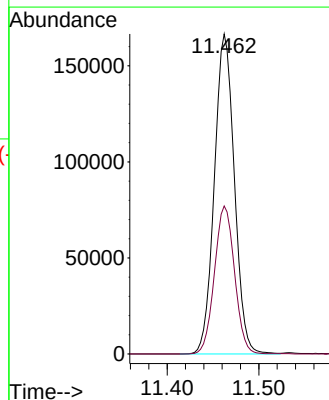
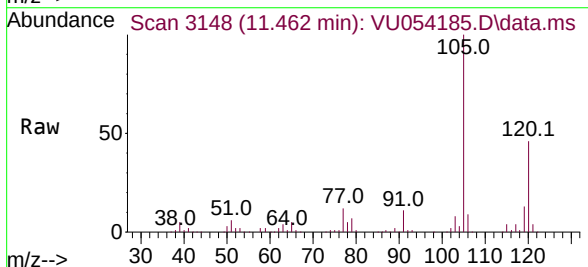
Instrument :
 MSVOA_U
 ClientSampleId :
 GBWZ7MSD

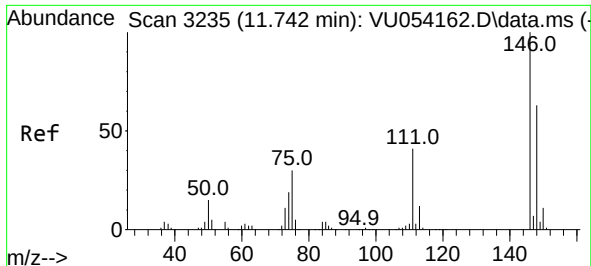
Tgt Ion:105 Resp: 243225
 Ion Ratio Lower Upper
 105 100
 120 50.2 39.4 59.0



#63
 1,2,4-Trimethylbenzene
 Concen: 5.502 ug/L
 RT: 11.462 min Scan# 3148
 Delta R.T. 0.000 min
 Lab File: VU054185.D
 Acq: 18 May 2023 23:17

Tgt Ion:105 Resp: 252435
 Ion Ratio Lower Upper
 105 100
 120 46.4 36.9 55.3

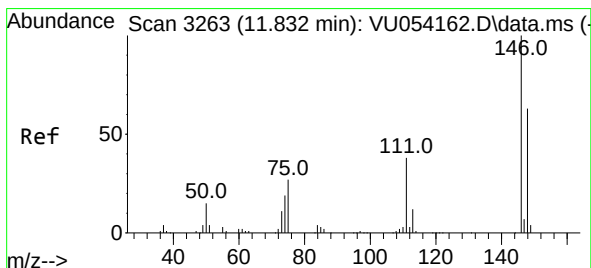
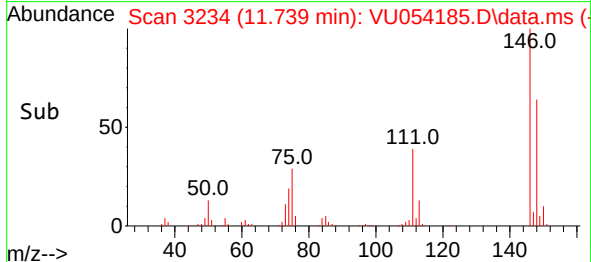
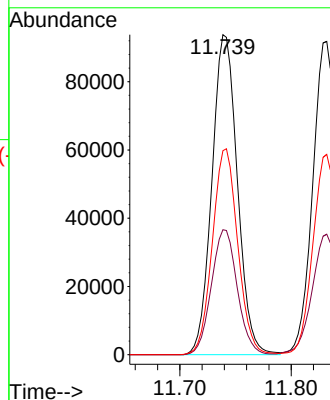
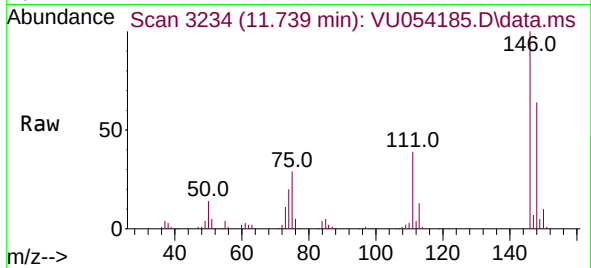




#64
1,3-Dichlorobenzene
Concen: 5.301 ug/L
RT: 11.739 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

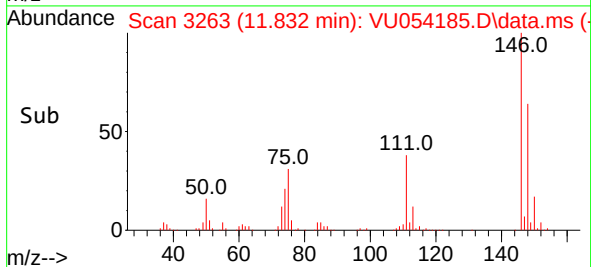
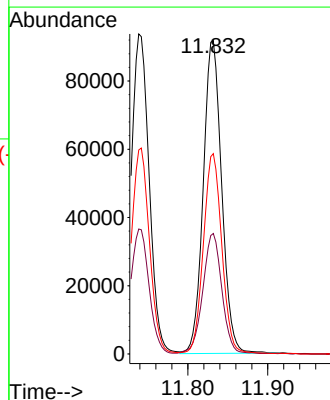
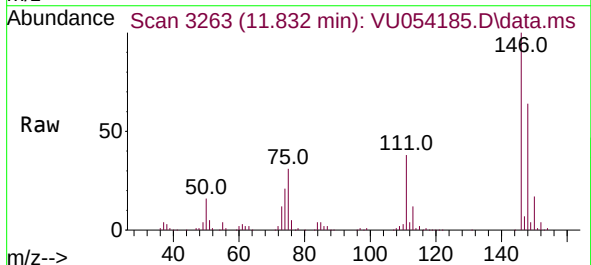
Instrument :
MSVOA_U
ClientSampleId :
GBWZ7MSD

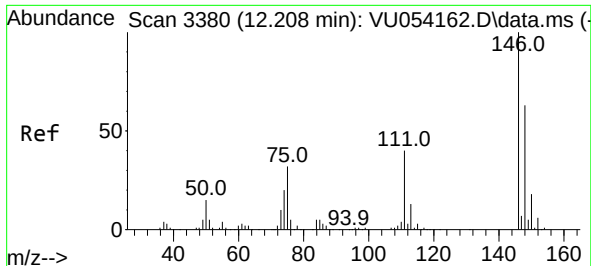
Tgt Ion:146 Resp: 149008
Ion Ratio Lower Upper
146 100
111 39.0 27.8 51.6
148 63.7 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 5.273 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

Tgt Ion:146 Resp: 147237
Ion Ratio Lower Upper
146 100
111 38.5 26.6 49.4
148 63.9 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 5.382 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054185.D

Acq: 18 May 2023 23:17

Instrument :

MSVOA_U

ClientSampleId :

GBWZ7MSD

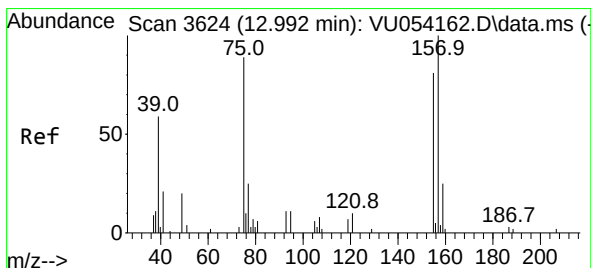
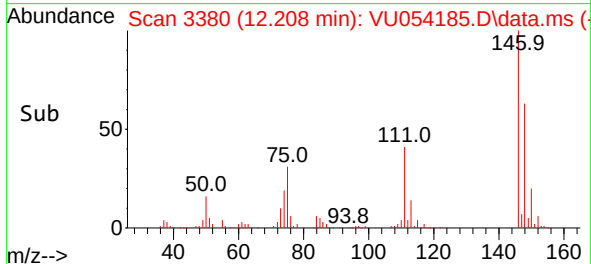
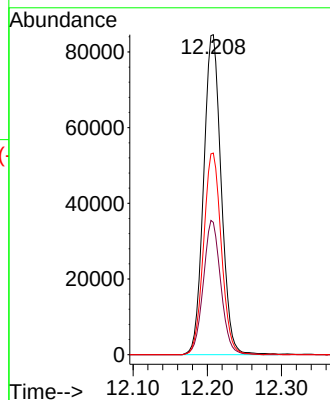
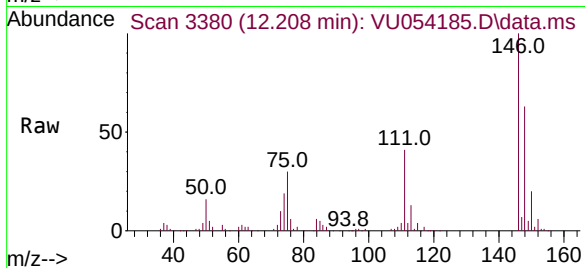
Tgt Ion:146 Resp: 138810

Ion Ratio Lower Upper

146 100

111 41.3 33.0 49.4

148 63.0 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.818 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU054185.D

Acq: 18 May 2023 23:17

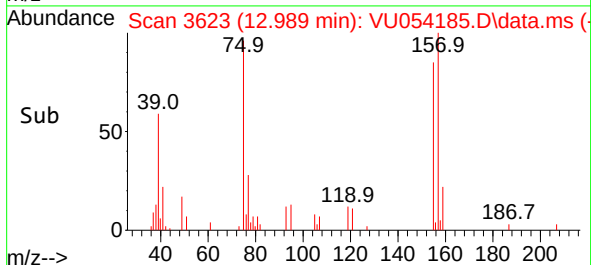
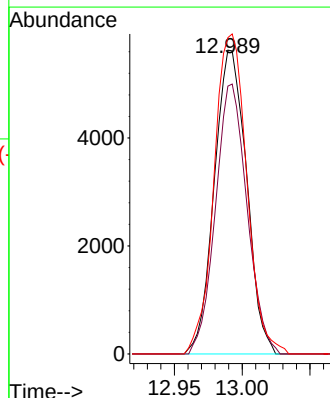
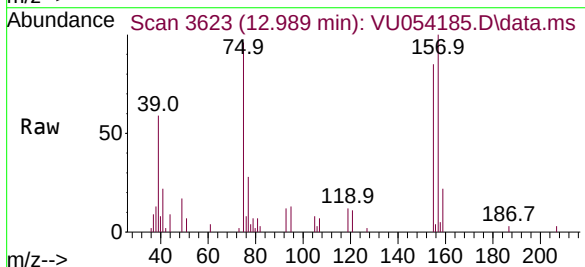
Tgt Ion: 75 Resp: 9306

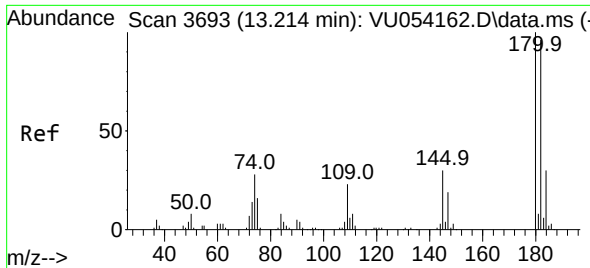
Ion Ratio Lower Upper

75 100

155 88.1 62.7 94.1

157 104.1 77.0 115.4

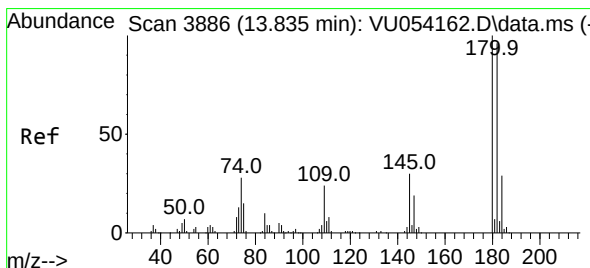
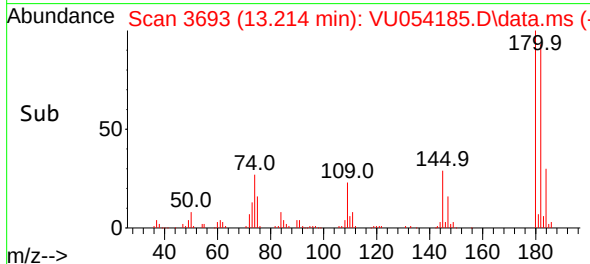
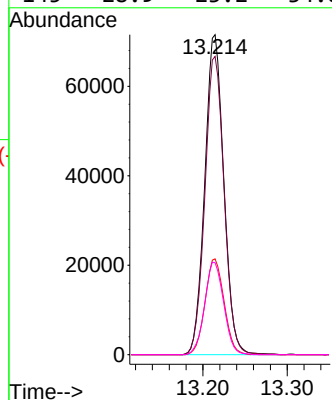
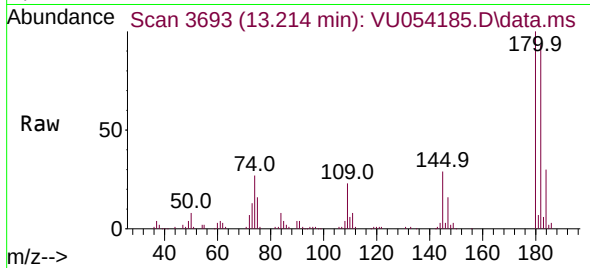




#69
1,3,5-Trichlorobenzene
Concen: 5.372 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. 0.000 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

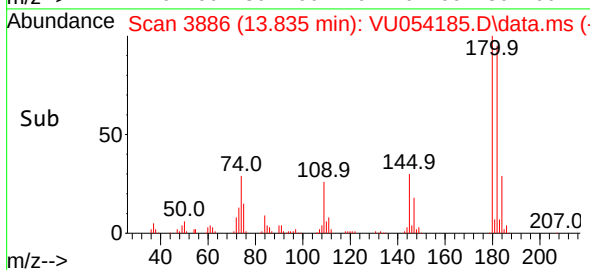
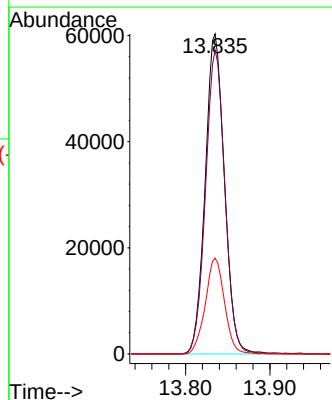
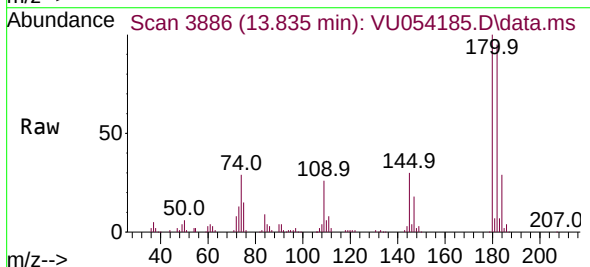
Instrument :
MSVOA_U
ClientSampleId :
GBWZ7MSD

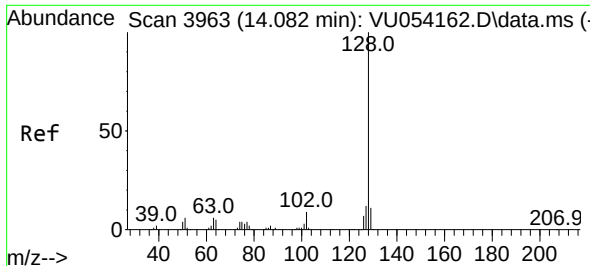
Tgt Ion:	180	Resp:	112659
Ion Ratio	Lower	Upper	
180	100		
182	94.2	76.1	114.1
184	29.9	24.5	36.7
145	28.9	23.2	34.8



#70
1,2,4-trichlorobenzene
Concen: 5.532 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. 0.000 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

Tgt Ion:	180	Resp:	96043
Ion Ratio	Lower	Upper	
180	100		
182	95.1	76.4	114.6
145	29.8	23.3	34.9

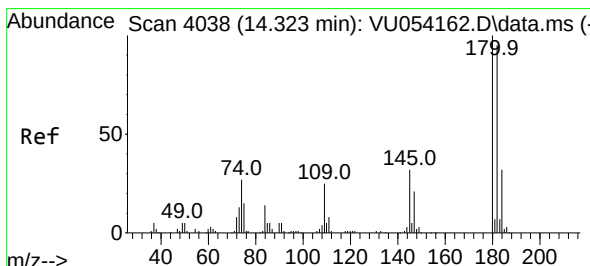
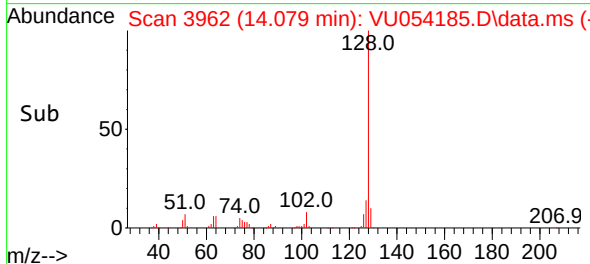
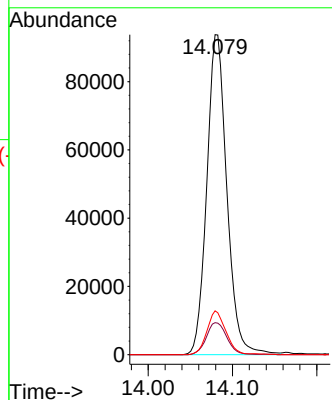
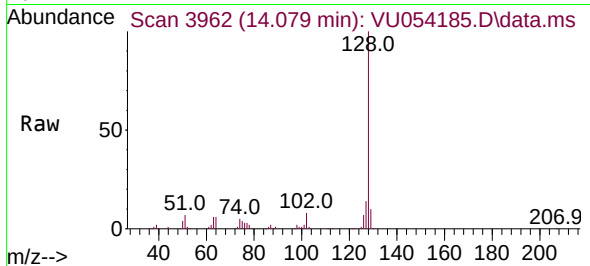




#71
Naphthalene
Concen: 6.188 ug/L
RT: 14.079 min Scan# 3963
Delta R.T. -0.003 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

Instrument :
MSVOA_U
ClientSampleId :
GBWZ7MSD

Tgt Ion:128	Resp: 155420		
Ion Ratio	Lower	Upper	
128	100		
129	10.3	9.0	13.6
127	12.8	10.2	15.4



#72
1,2,3-Trichlorobenzene
Concen: 6.001 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU054185.D
Acq: 18 May 2023 23:17

Tgt Ion:180	Resp: 88190
Ion Ratio	Lower Upper
180 100	
182 96.8	76.4 114.6
145 30.5	25.1 37.7

