

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051823\
 Data File : VU054207.D
 Acq On : 19 May 2023 08:58
 Operator : JC/MD
 Sample : 02843-11MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBWY5MSD

Quant Time: May 19 09:21:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 19 04:28:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	192752	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	180689	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	99959	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	43489	4.185	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.600%
7) Chloroethane-d5	1.912	69	32897	4.232	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.600%
11) 1,1-Dichloroethene-d2	2.565	65	19808	4.220	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.400%
20) 2-Butanone-d5	4.629	46	85163	45.954	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.900%
24) Chloroform-d	5.057	84	87175	4.462	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	5.697	65	37972	4.225	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
32) Benzene-d6	5.723	84	162803	4.424	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	6.684	67	49201	4.626	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.600%
41) Toluene-d8	7.893	98	154646	4.451	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.000%
43) trans-1,3-Dichloroprop...	8.173	79	18841	4.386	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.800%
46) 2-Hexanone-d5	8.629	63	64465	50.401	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.800%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	36063	4.731	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.600%
66) 1,2-Dichlorobenzene-d4	12.189	152	55842	4.578	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	69360	4.759	ug/L	97
3) Chloromethane	1.520	50	68870	5.098	ug/L	99
5) Vinyl chloride	1.604	62	73841	5.145	ug/L	92
6) Bromomethane	1.858	94	39366	4.522	ug/L	97
8) Chloroethane	1.932	64	43279	4.761	ug/L	100
9) Trichlorofluoromethane	2.134	101	111231	4.879	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	64404	4.872	ug/L	99
12) 1,1-Dichloroethene	2.578	96	58454	4.955	ug/L	98
13) Acetone	2.639	43	91238	36.190	ug/L	98
14) Carbon disulfide	2.790	76	147089	4.963	ug/L	98
15) Methyl Acetate	2.954	43	19024	4.209	ug/L	96
16) Methylene chloride	3.041	84	66293	4.293	ug/L	98
17) Methyl tert-butyl Ether	3.359	73	160341	5.398	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	60220	5.018	ug/L	98
19) 1,1-Dichloroethane	3.864	63	124444	5.179	ug/L	96
21) 2-Butanone	4.703	43	141050	42.238	ug/L	96
22) cis-1,2-Dichloroethene	4.662	96	71715	5.111	ug/L	98
23) Bromochloromethane	4.970	128	30608	4.994	ug/L	97
25) Chloroform	5.083	83	129843	4.982	ug/L	97

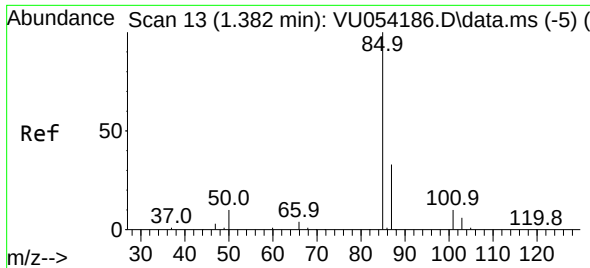
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051823\
 Data File : VU054207.D
 Acq On : 19 May 2023 08:58
 Operator : JC/MD
 Sample : 02843-11MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBWY5MSD

Quant Time: May 19 09:21:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 19 04:28:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	76236	5.087	ug/L	98
29) 1,1,1-Trichloroethane	5.311	97	112246	4.963	ug/L	99
30) Cyclohexane	5.382	56	93183	5.061	ug/L	98
31) Carbon tetrachloride	5.520	117	99374	5.066	ug/L	99
33) Benzene	5.768	78	266362	5.208	ug/L	100
34) Trichloroethene	6.536	95	71966	5.232	ug/L	98
35) Methylcyclohexane	6.758	83	94000	4.674	ug/L	98
37) 1,2-Dichloropropane	6.787	63	71170	5.300	ug/L	99
38) Bromodichloromethane	7.099	83	87214	5.129	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	98158	4.906	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	352728	51.601	ug/L	99
42) Toluene	7.964	91	285047	5.275	ug/L	96
44) trans-1,3-Dichloropropene	8.205	75	79782	4.858	ug/L	96
45) 1,1,2-Trichloroethane	8.395	97	50184	5.186	ug/L	98
47) Tetrachloroethene	8.549	164	56196	4.972	ug/L	98
48) 2-Hexanone	8.677	43	248026	47.990	ug/L	99
49) Dibromochloromethane	8.803	129	56553	5.235	ug/L	99
50) 1,2-Dibromoethane	8.919	107	46477	5.226	ug/L #	99
51) Chlorobenzene	9.443	112	187263	5.125	ug/L	98
52) Ethylbenzene	9.565	91	318345	5.286	ug/L	100
53) m,p-Xylene	9.690	106	124006	5.421	ug/L	94
54) o-Xylene	10.095	106	115830	5.128	ug/L	99
55) Styrene	10.095	104	7689	0.208	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	10.777	83	60503	5.265	ug/L	98
59) Bromoform	10.285	173	32155	5.002	ug/L	97
60) Isopropylbenzene	10.478	105	312558	5.124	ug/L	100
61) 1,2,3-Trichloropropane	10.819	75	41942	5.175	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	255595	5.134	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	262793	5.288	ug/L	100
64) 1,3-Dichlorobenzene	11.738	146	158841	5.217	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	154975	5.124	ug/L	98
67) 1,2-Dichlorobenzene	12.205	146	143224	5.127	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.989	75	9190	5.304	ug/L	91
69) 1,3,5-Trichlorobenzene	13.214	180	116082	5.111	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	96330	5.122	ug/L	98
71) Naphthalene	14.082	128	152862	5.619	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	89237	5.606	ug/L	99

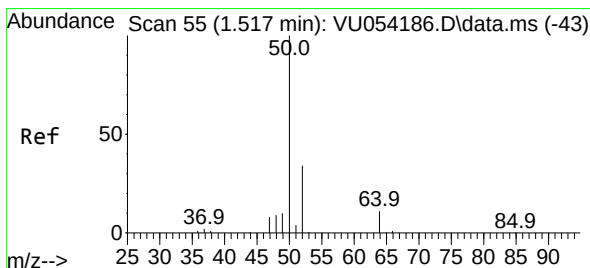
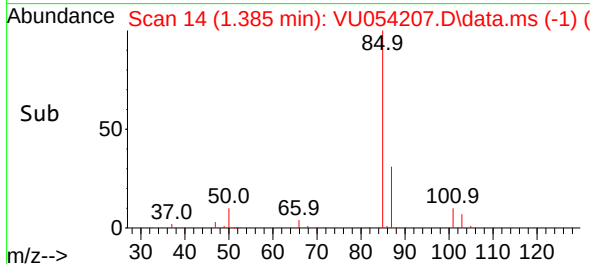
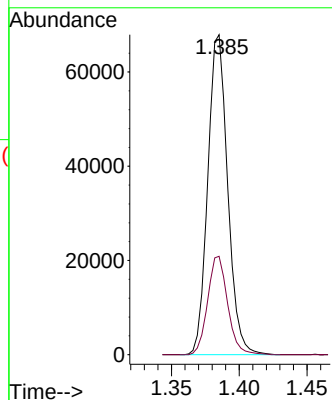
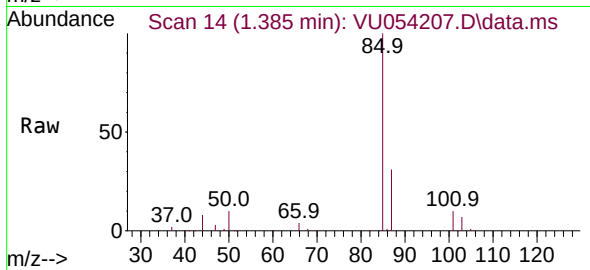
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.759 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

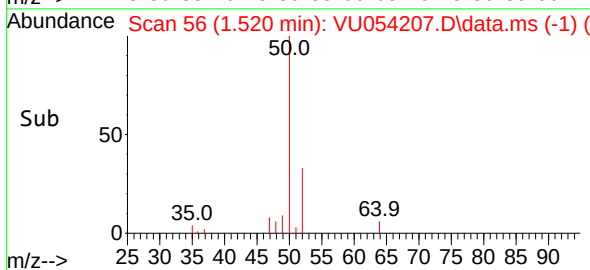
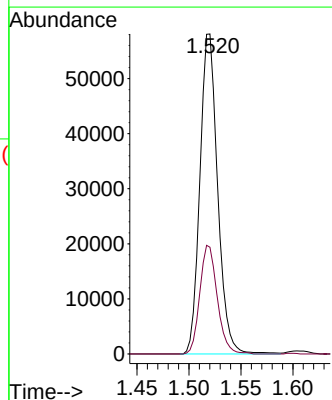
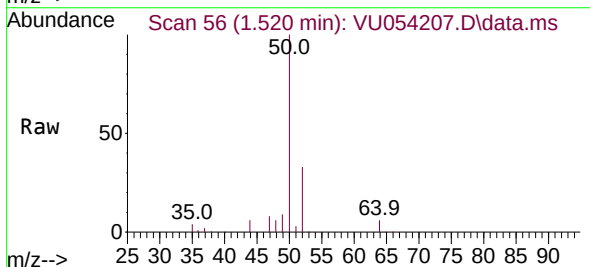
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MSD

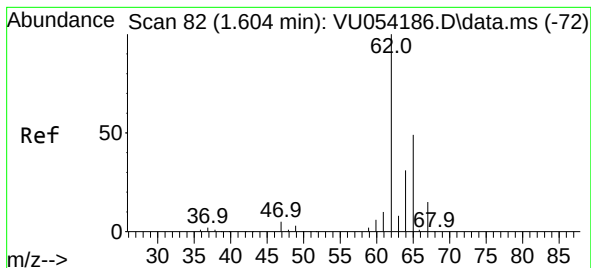
Tgt Ion: 85 Resp: 69360
Ion Ratio Lower Upper
85 100
87 30.9 26.1 39.1



#3
Chloromethane
Concen: 5.098 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.003 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

Tgt Ion: 50 Resp: 68870
Ion Ratio Lower Upper
50 100
52 33.3 23.7 44.1





#5

Vinyl chloride

Concen: 5.145 ug/L

RT: 1.604 min Scan# 82

Delta R.T. 0.000 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

Instrument :

MSVOA_U

ClientSampleId :

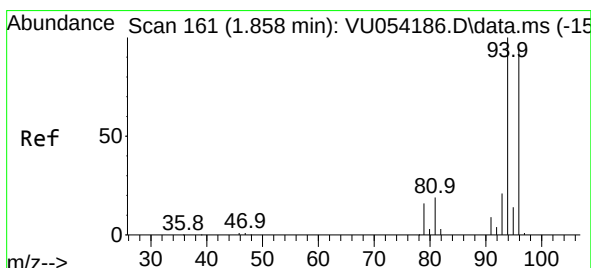
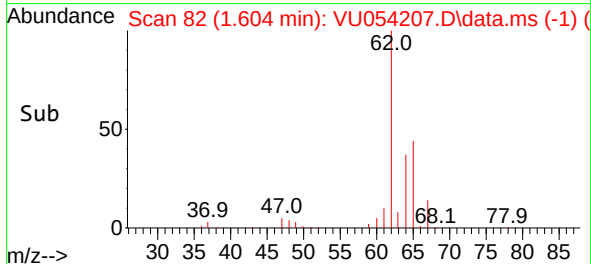
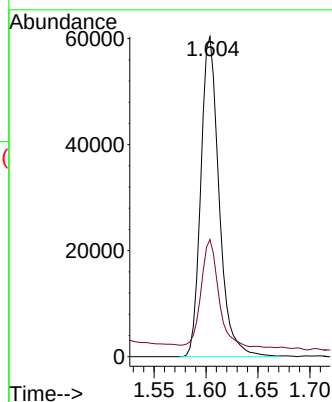
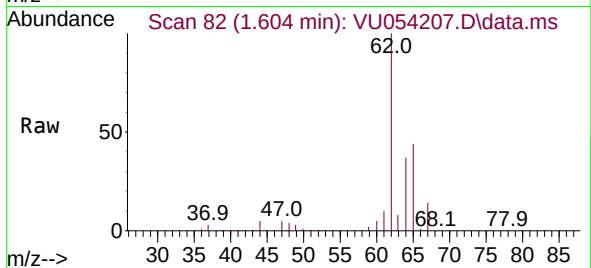
GBWY5MSD

Tgt Ion: 62 Resp: 73841

Ion Ratio Lower Upper

62 100

64 36.6 22.4 41.6



#6

Bromomethane

Concen: 4.522 ug/L

RT: 1.858 min Scan# 161

Delta R.T. 0.000 min

Lab File: VU054207.D

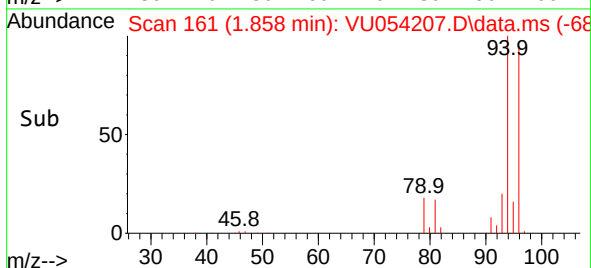
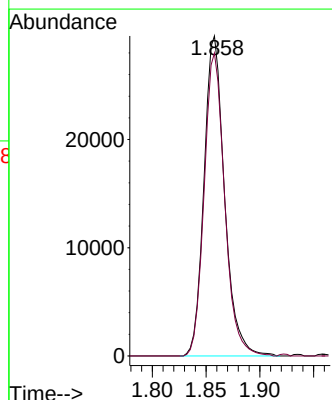
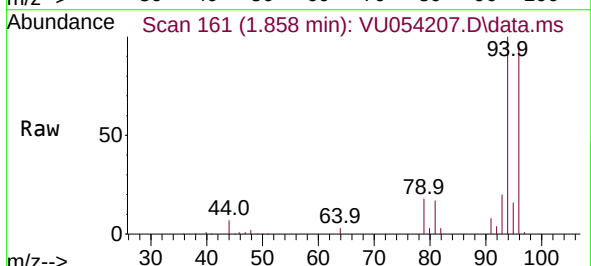
Acq: 19 May 2023 08:58

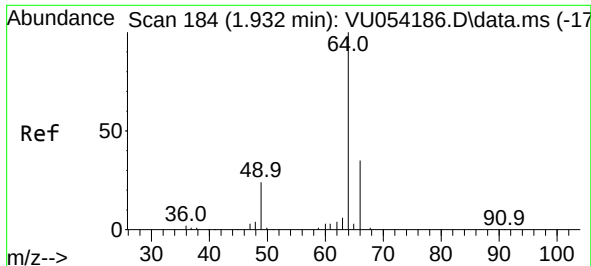
Tgt Ion: 94 Resp: 39366

Ion Ratio Lower Upper

94 100

96 94.7 68.7 127.5

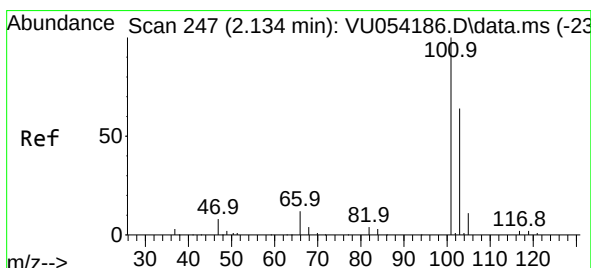
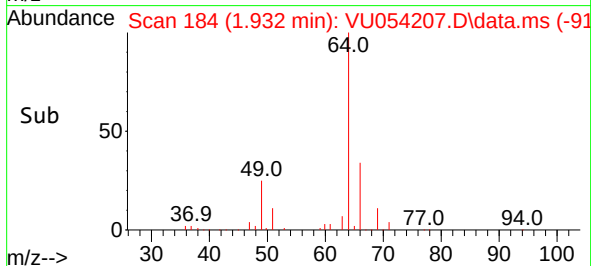
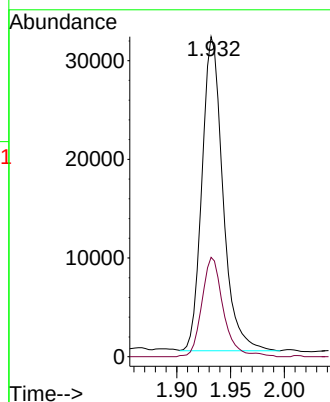
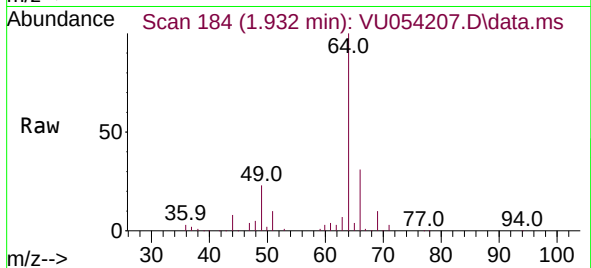




#8
Chloroethane
Concen: 4.761 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

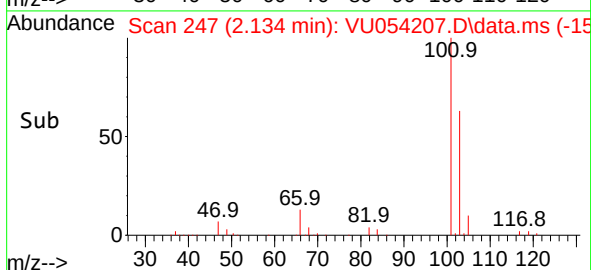
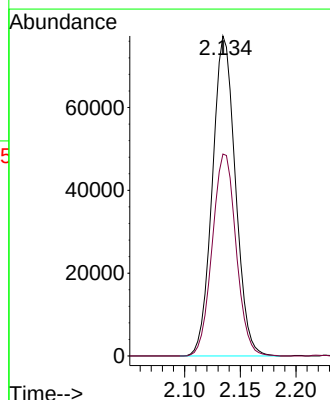
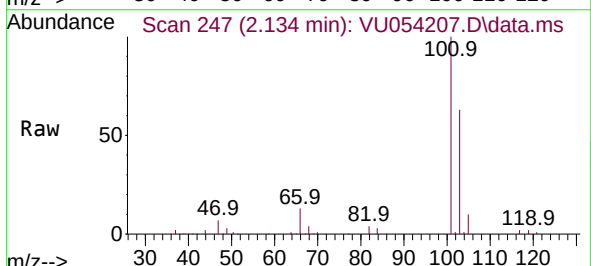
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MSD

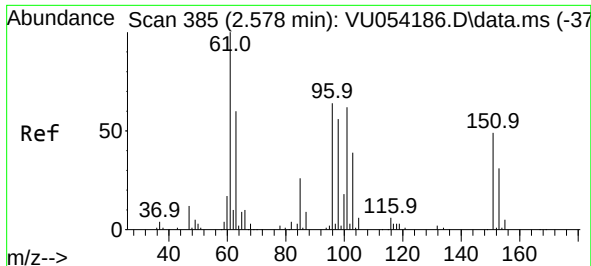
Tgt Ion: 64 Resp: 43279
Ion Ratio Lower Upper
64 100
66 31.1 21.6 40.0



#9
Trichlorofluoromethane
Concen: 4.879 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

Tgt Ion:101 Resp: 111231
Ion Ratio Lower Upper
101 100
103 65.2 51.0 76.6

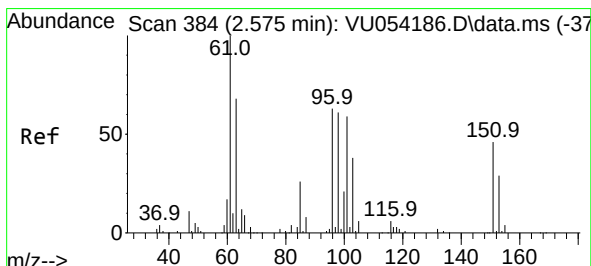
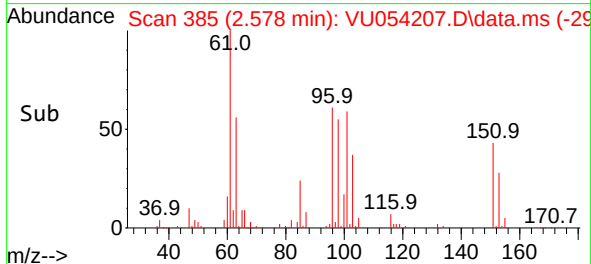
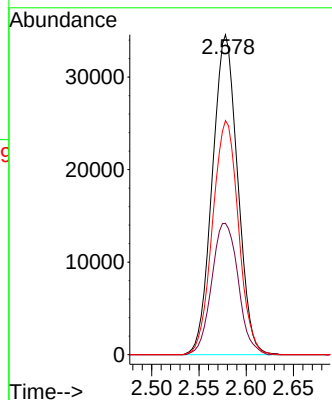
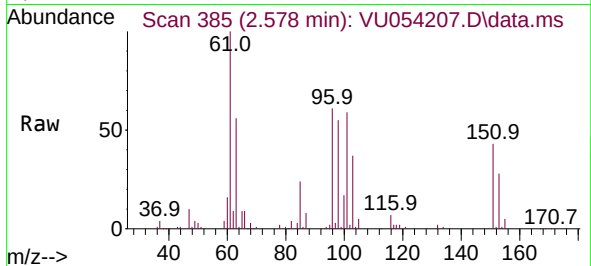




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.872 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU054207.D
 Acq: 19 May 2023 08:58

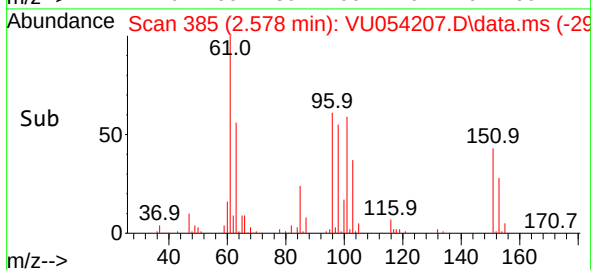
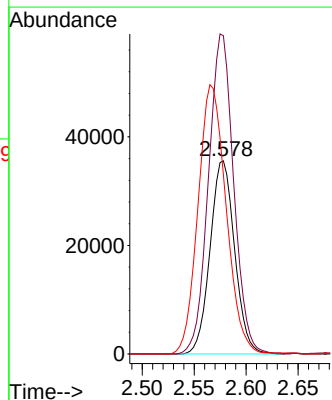
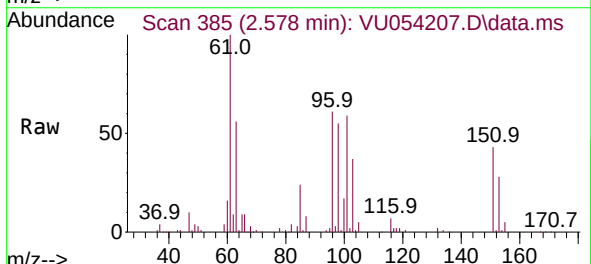
Instrument :
 MSVOA_U
 ClientSampleId :
 GBWY5MSD

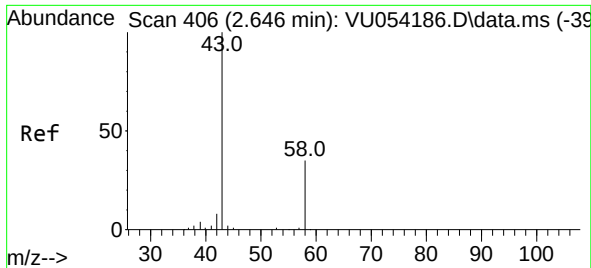
Tgt Ion:101 Resp: 64404
 Ion Ratio Lower Upper
 101 100
 85 43.0 35.0 52.4
 151 74.9 59.0 88.6



#12
 1,1-Dichloroethene
 Concen: 4.955 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU054207.D
 Acq: 19 May 2023 08:58

Tgt Ion: 96 Resp: 58454
 Ion Ratio Lower Upper
 96 100
 61 164.7 114.7 212.9
 63 92.8 68.6 127.4





#13

Acetone

Concen: 36.190 ug/L

RT: 2.639 min Scan# 406

Delta R.T. -0.006 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

Instrument :

MSVOA_U

ClientSampleId :

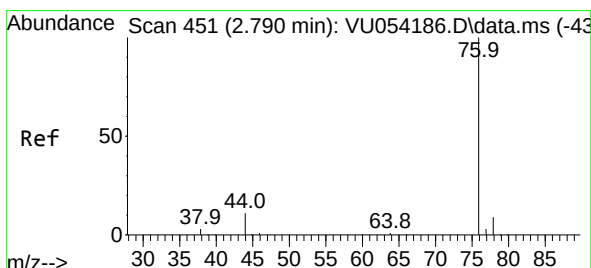
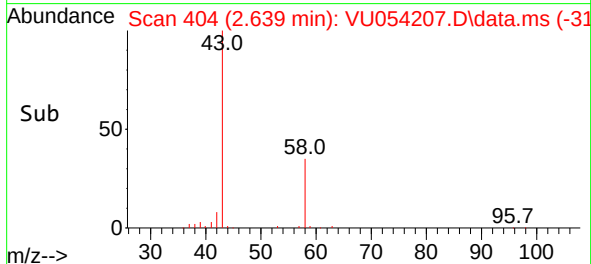
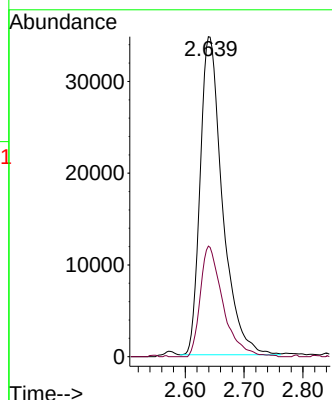
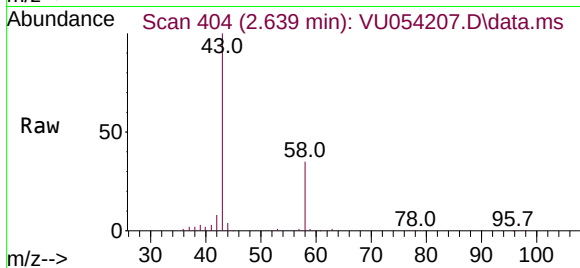
GBWY5MSD

Tgt Ion: 43 Resp: 91238

Ion Ratio Lower Upper

43 100

58 35.3 0.0 73.2



#14

Carbon disulfide

Concen: 4.963 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU054207.D

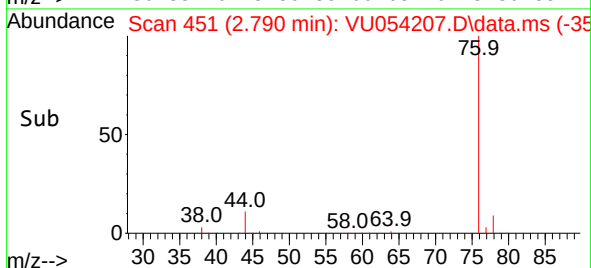
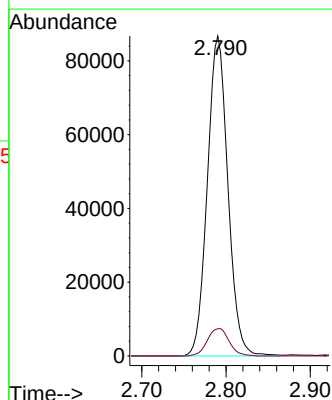
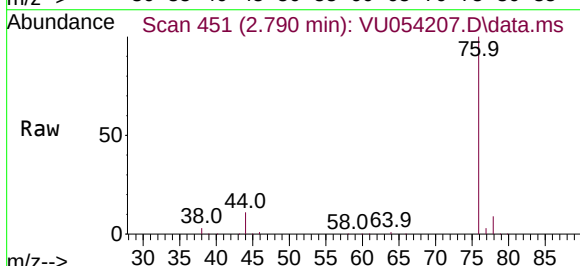
Acq: 19 May 2023 08:58

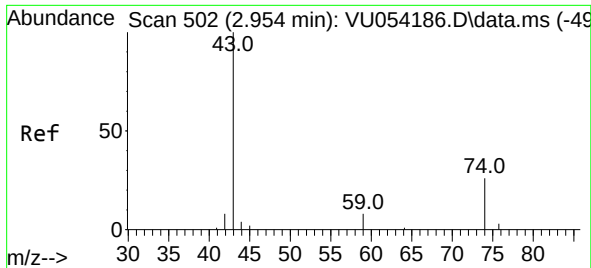
Tgt Ion: 76 Resp: 147089

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0

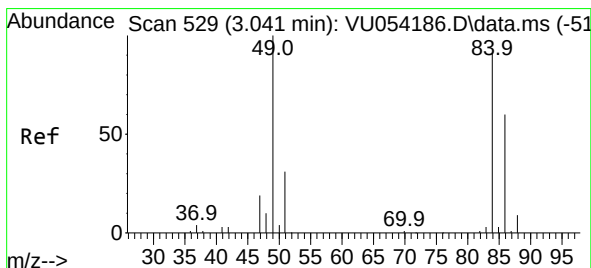
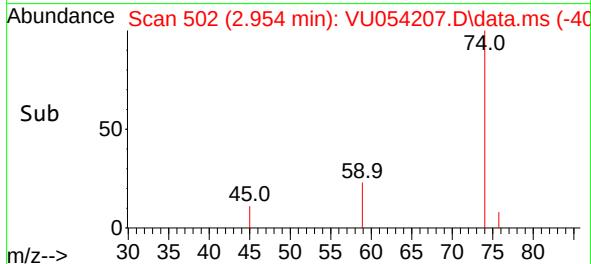
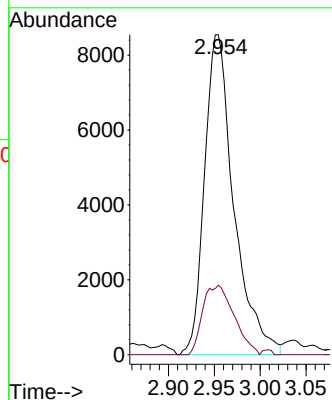
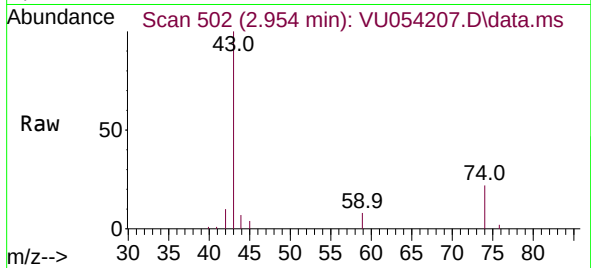




#15
Methyl Acetate
Concen: 4.209 ug/L
RT: 2.954 min Scan# 502
Delta R.T. 0.000 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

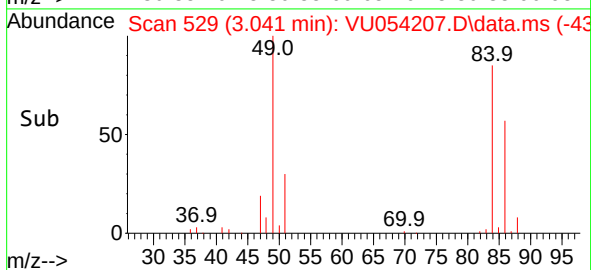
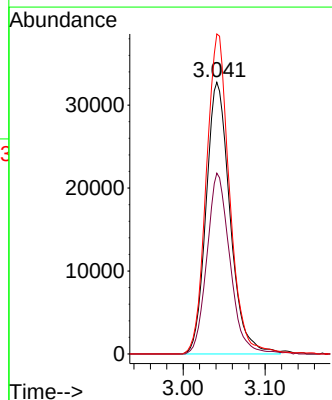
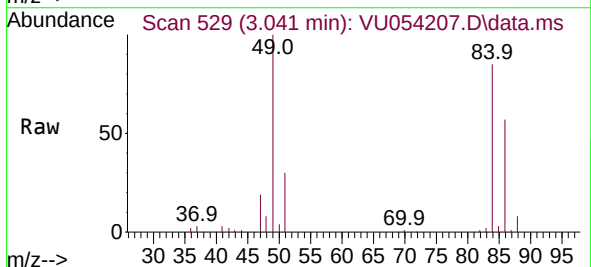
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MSD

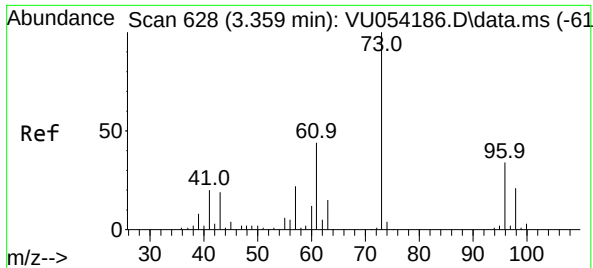
Tgt Ion: 43 Resp: 19024
Ion Ratio Lower Upper
43 100
74 23.2 20.3 30.5



#16
Methylene chloride
Concen: 4.293 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

Tgt Ion: 84 Resp: 66293
Ion Ratio Lower Upper
84 100
86 66.5 45.5 84.5
49 117.8 81.3 150.9

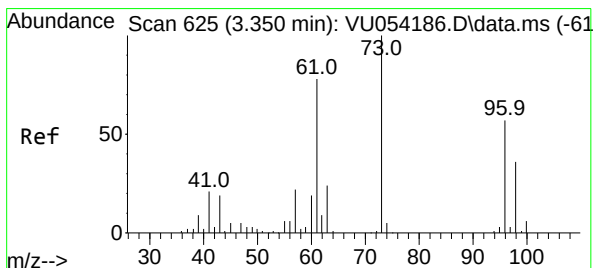
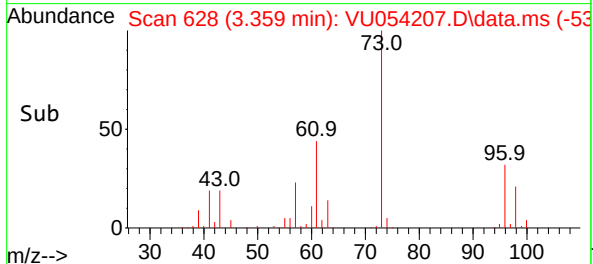
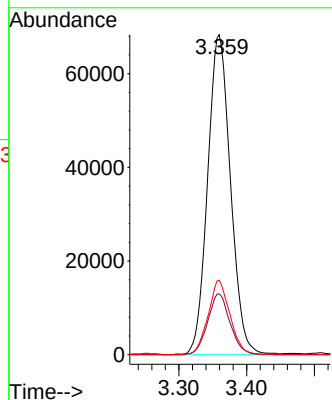
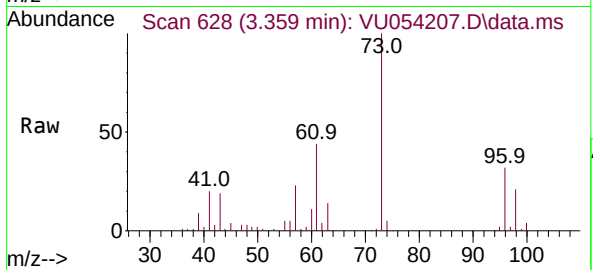




#17
Methyl tert-butyl Ether
Concen: 5.398 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

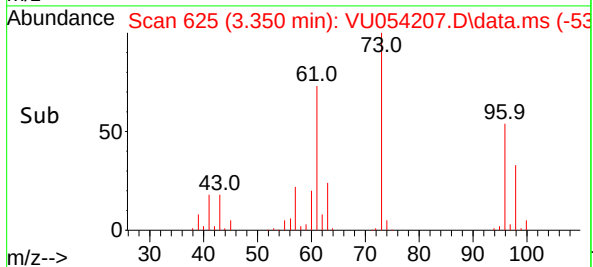
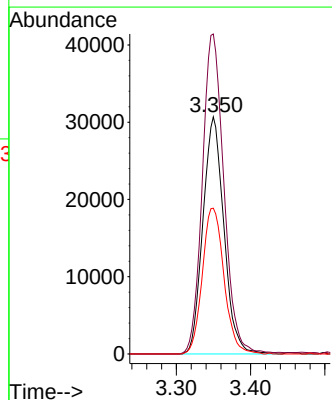
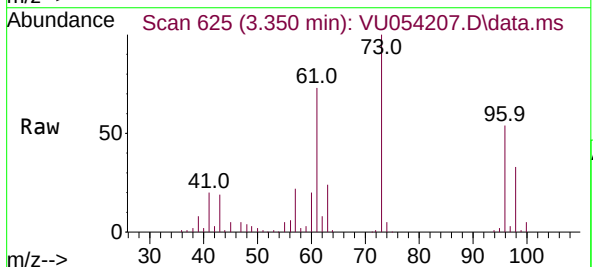
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MSD

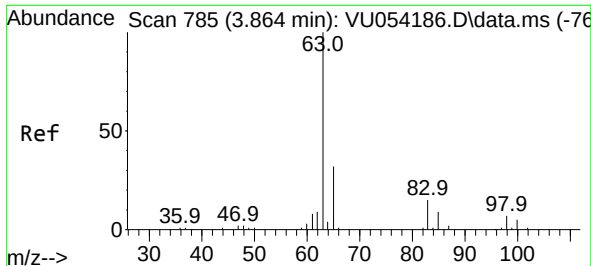
Tgt Ion: 73 Resp: 160341
Ion Ratio Lower Upper
73 100
43 18.6 14.6 22.0
57 22.2 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 5.018 ug/L
RT: 3.350 min Scan# 625
Delta R.T. 0.000 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

Tgt Ion: 96 Resp: 60220
Ion Ratio Lower Upper
96 100
61 135.0 94.1 174.8
98 61.5 45.3 84.1

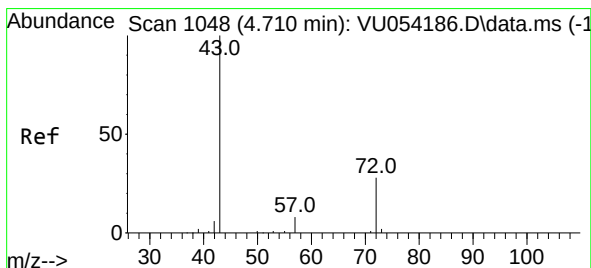
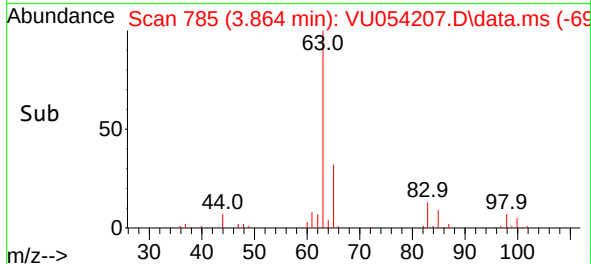
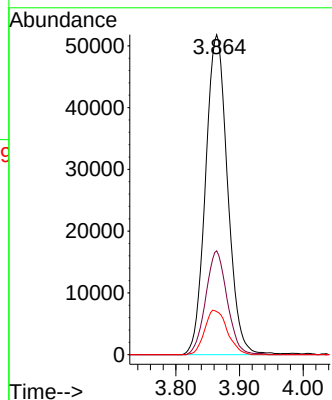
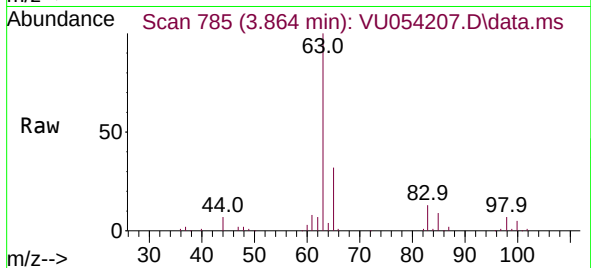




#19
1,1-Dichloroethane
Concen: 5.179 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

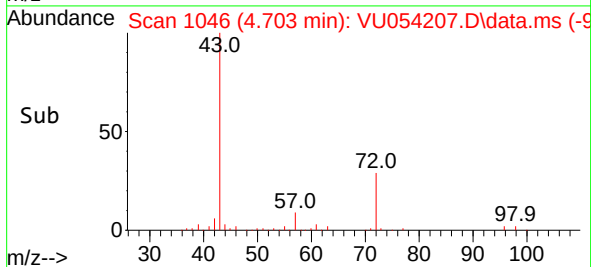
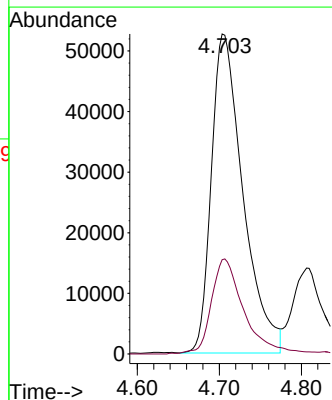
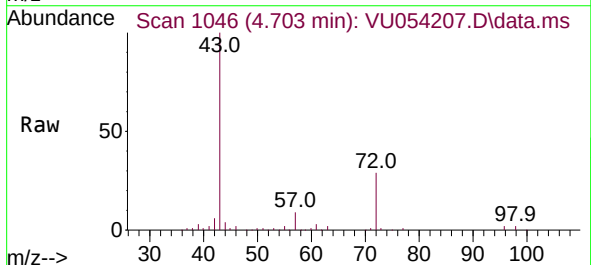
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MSD

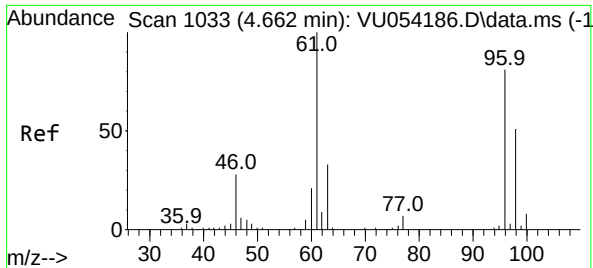
Tgt Ion: 63 Resp: 124444
Ion Ratio Lower Upper
63 100
65 32.4 20.7 38.5
83 13.4 10.1 18.7



#21
2-Butanone
Concen: 42.238 ug/L
RT: 4.703 min Scan# 1046
Delta R.T. -0.006 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

Tgt Ion: 43 Resp: 141050
Ion Ratio Lower Upper
43 100
72 30.7 14.2 42.8

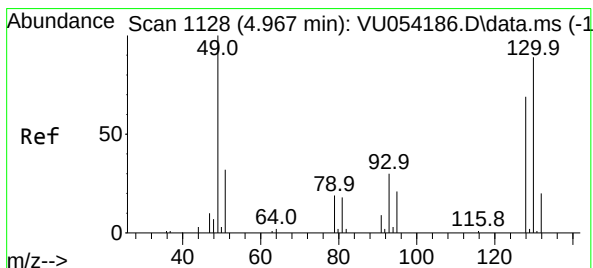
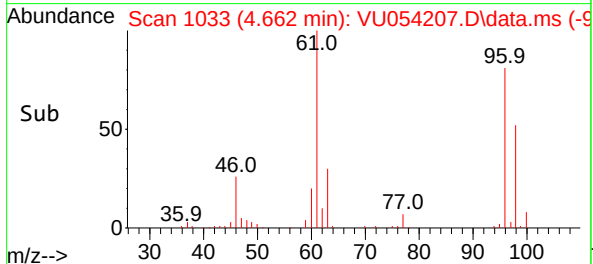
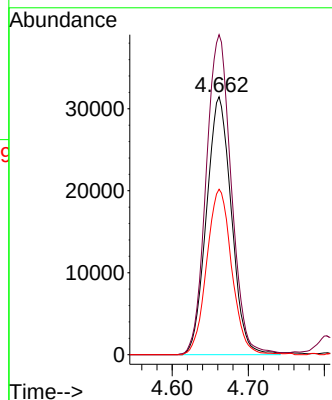
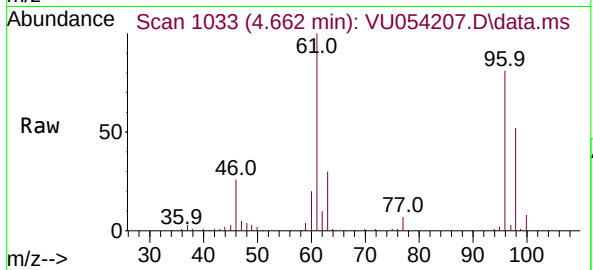




#22
 cis-1,2-Dichloroethene
 Concen: 5.111 ug/L
 RT: 4.662 min Scan# 1033
 Delta R.T. 0.000 min
 Lab File: VU054207.D
 Acq: 19 May 2023 08:58

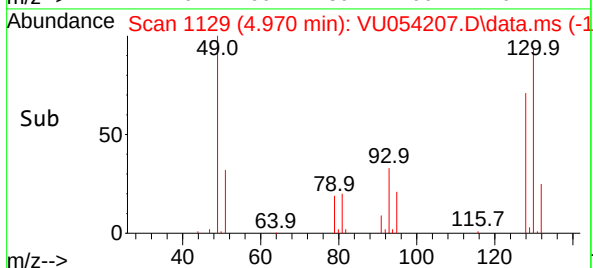
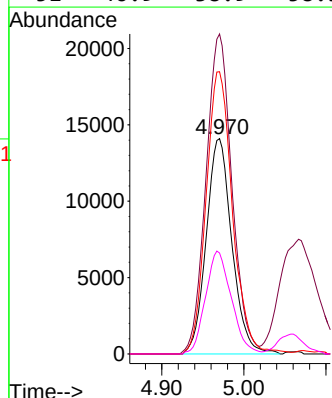
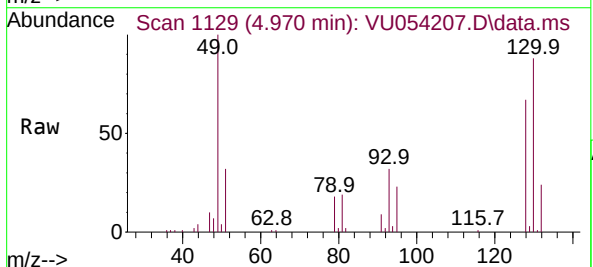
Instrument :
 MSVOA_U
 ClientSampleId :
 GBWY5MSD

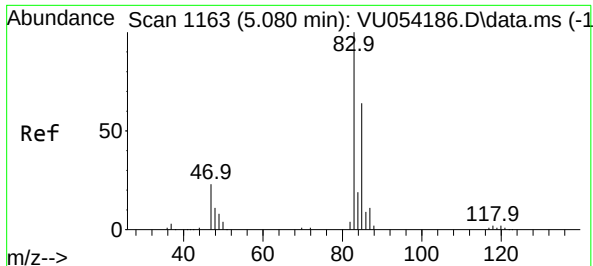
Tgt Ion: 96 Resp: 71715
 Ion Ratio Lower Upper
 96 100
 61 124.0 85.0 157.8
 98 64.1 45.8 85.0



#23
 Bromochloromethane
 Concen: 4.994 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. 0.003 min
 Lab File: VU054207.D
 Acq: 19 May 2023 08:58

Tgt Ion: 128 Resp: 30608
 Ion Ratio Lower Upper
 128 100
 49 148.6 100.9 187.3
 130 131.0 93.2 173.0
 51 46.9 38.9 58.3





#25

Chloroform

Concen: 4.982 ug/L

RT: 5.083 min Scan# 1163

Delta R.T. 0.003 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

Instrument :

MSVOA_U

ClientSampleId :

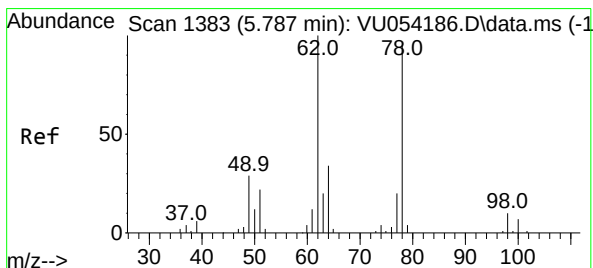
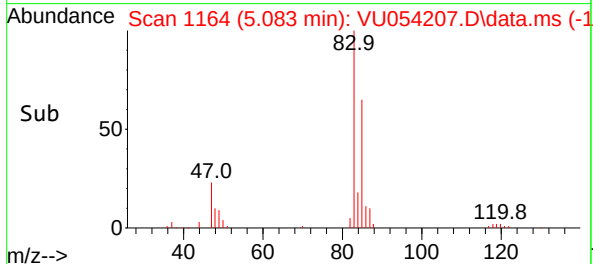
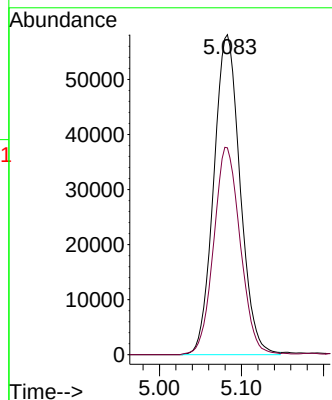
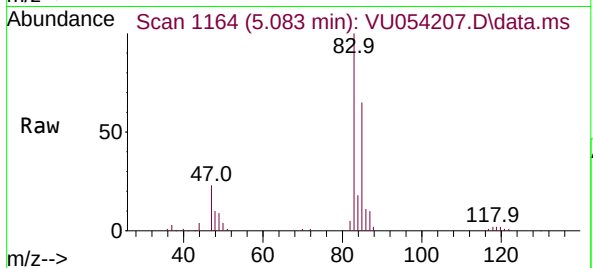
GBWY5MSD

Tgt Ion: 83 Resp: 129843

Ion Ratio Lower Upper

83 100

85 64.6 46.8 87.0



#27

1,2-Dichloroethane

Concen: 5.087 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VU054207.D

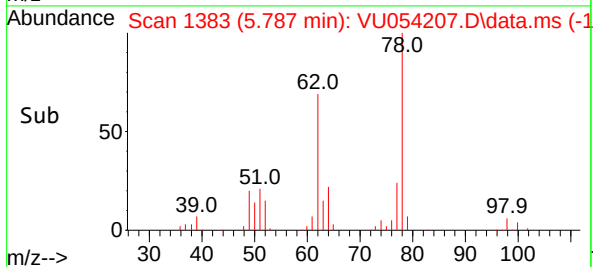
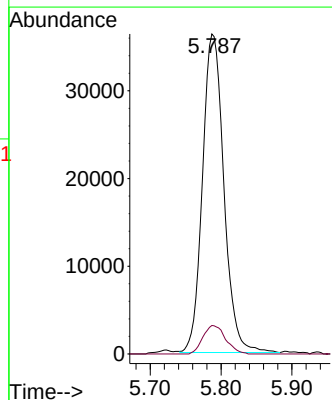
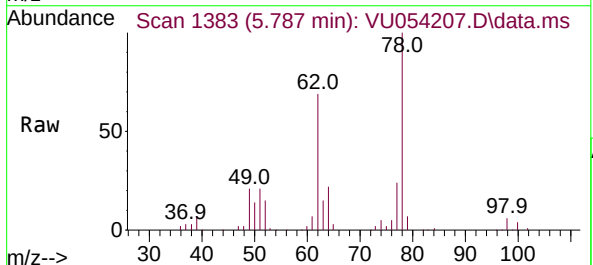
Acq: 19 May 2023 08:58

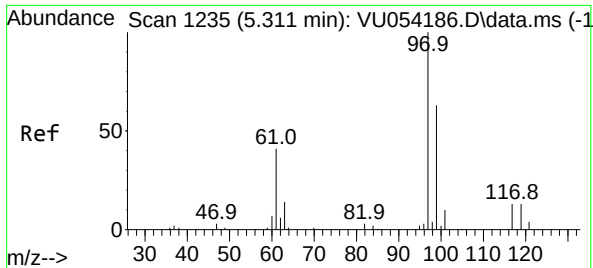
Tgt Ion: 62 Resp: 76236

Ion Ratio Lower Upper

62 100

98 8.9 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 4.963 ug/L

RT: 5.311 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

Instrument :

MSVOA_U

ClientSampleId :

GBWY5MSD

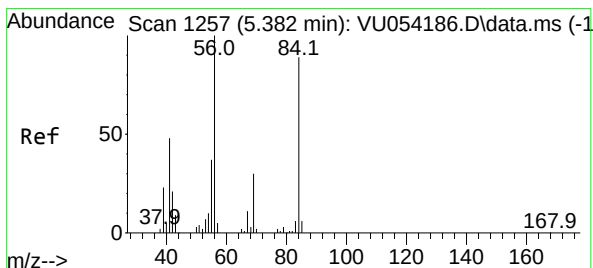
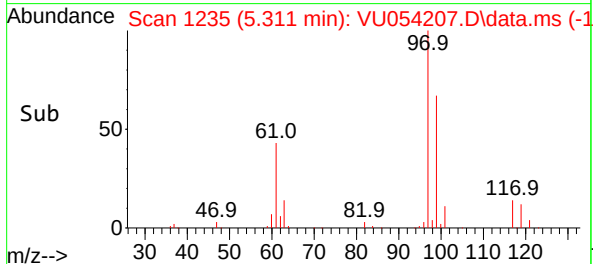
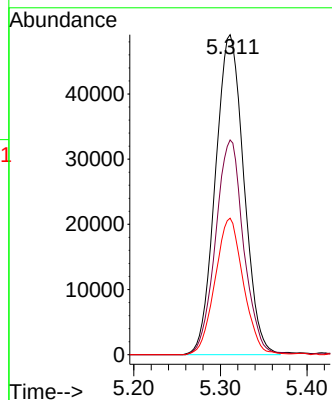
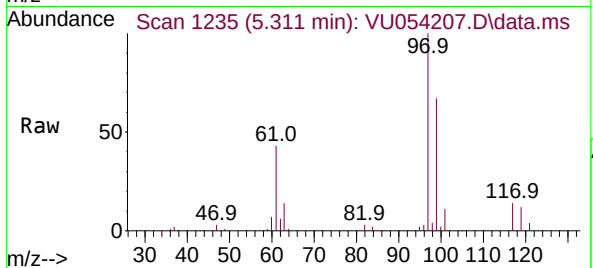
Tgt Ion: 97 Resp: 112246

Ion Ratio Lower Upper

97 100

99 66.1 51.8 77.6

61 42.3 33.4 50.2



#30

Cyclohexane

Concen: 5.061 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

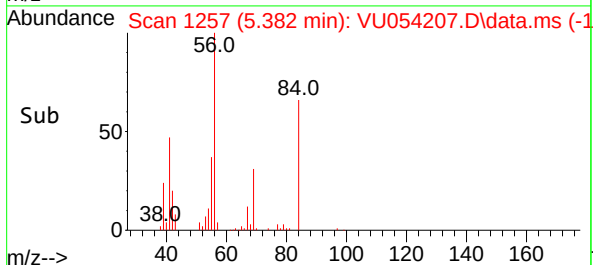
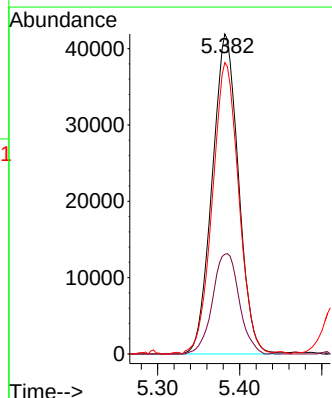
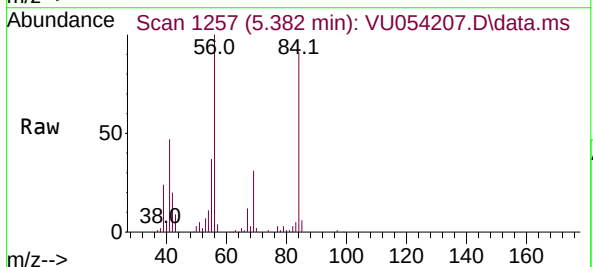
Tgt Ion: 56 Resp: 93183

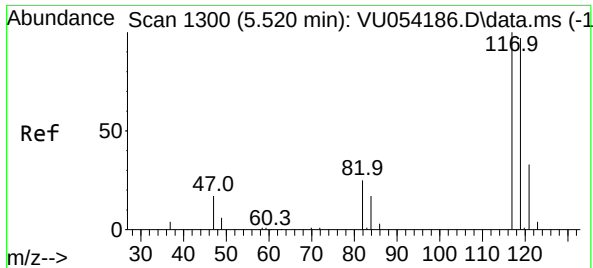
Ion Ratio Lower Upper

56 100

69 31.8 26.2 39.4

84 91.3 74.2 111.4

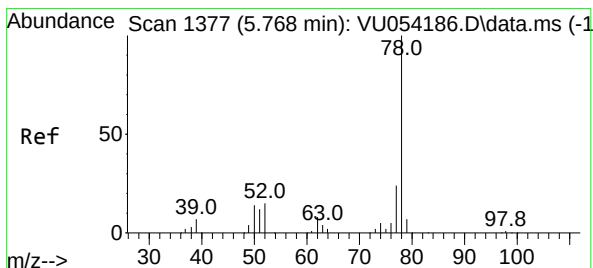
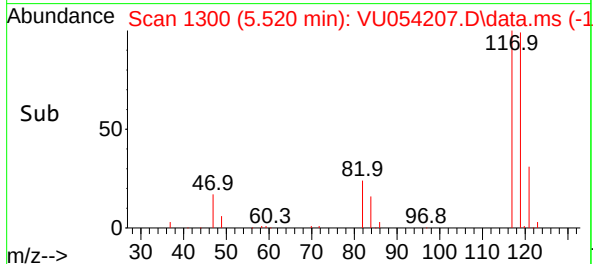
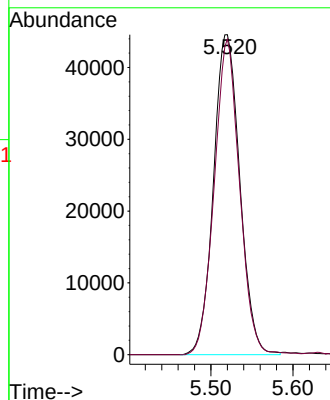
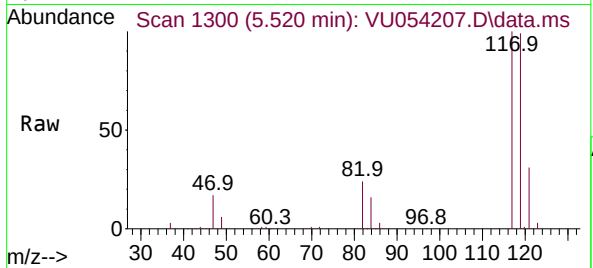




#31
Carbon tetrachloride
Concen: 5.066 ug/L
RT: 5.520 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

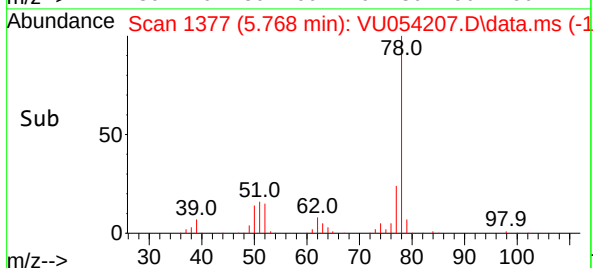
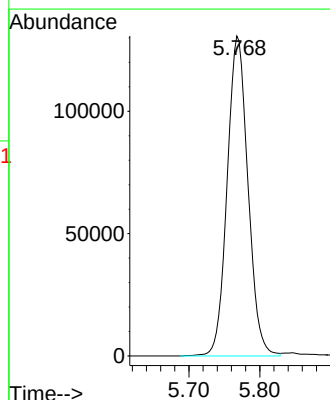
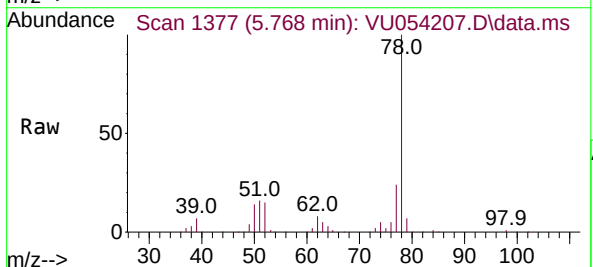
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MSD

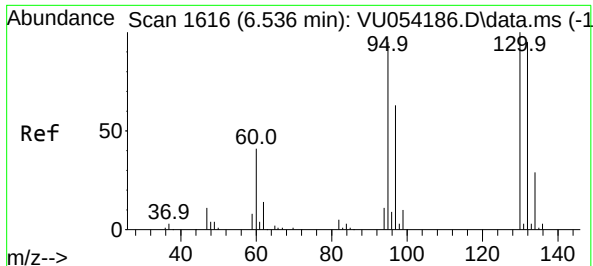
Tgt Ion:117 Resp: 99374
Ion Ratio Lower Upper
117 100
119 95.0 76.6 114.8



#33
Benzene
Concen: 5.208 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

Tgt Ion: 78 Resp: 266362

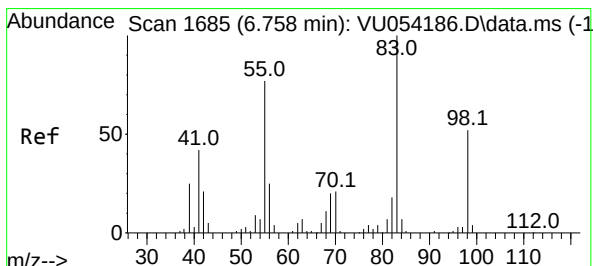
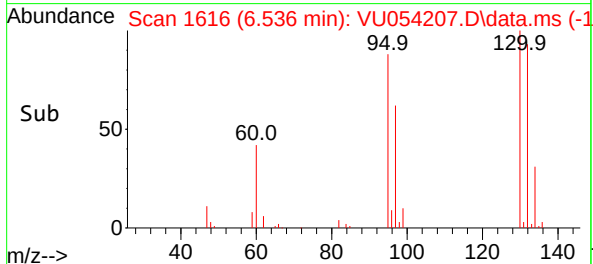
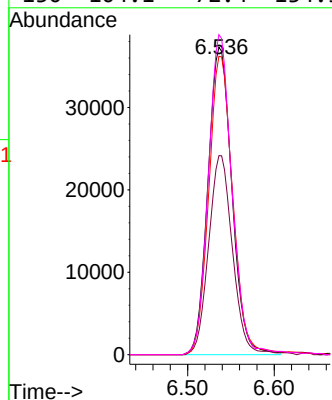
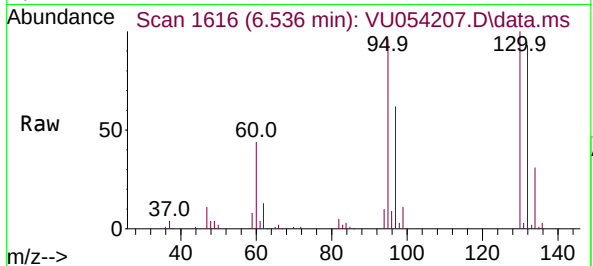




#34
Trichloroethene
Concen: 5.232 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. 0.000 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

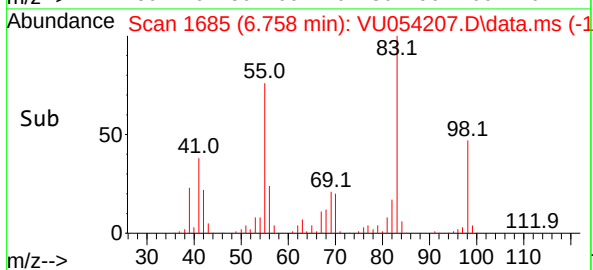
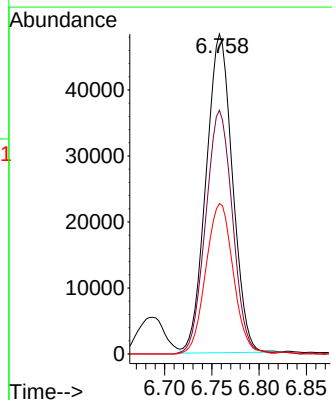
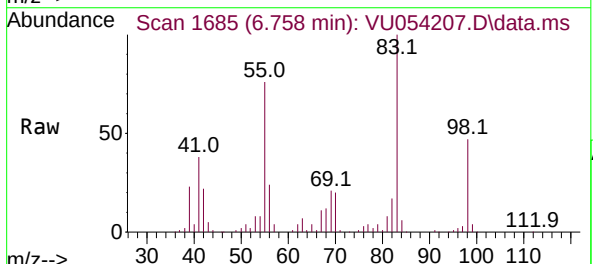
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MSD

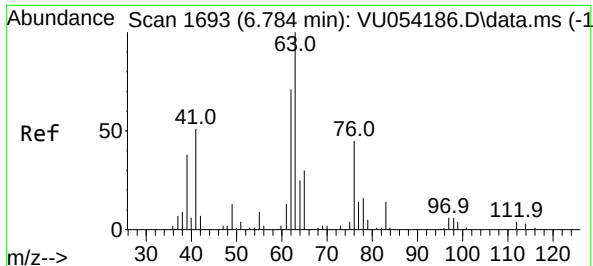
Tgt Ion: 95 Resp: 71966
Ion Ratio Lower Upper
95 100
97 64.7 45.8 85.0
132 97.1 70.1 130.3
130 104.1 72.4 134.5



#35
Methylcyclohexane
Concen: 4.674 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

Tgt Ion: 83 Resp: 94000
Ion Ratio Lower Upper
83 100
55 77.9 61.6 92.4
98 48.9 41.3 61.9





#37

1,2-Dichloropropane

Concen: 5.300 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

Instrument :

MSVOA_U

ClientSampleId :

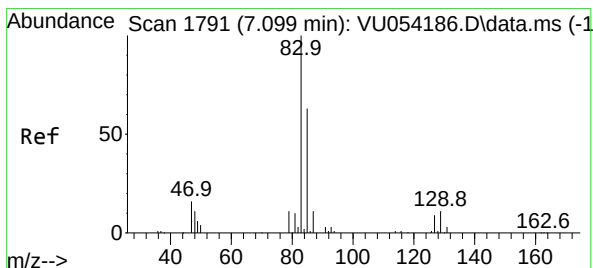
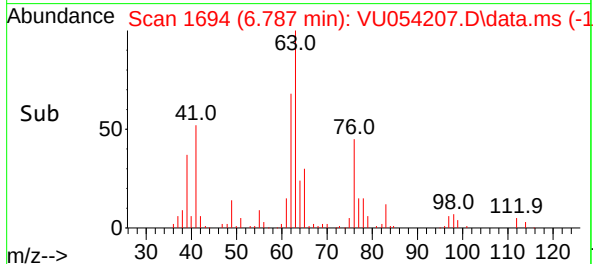
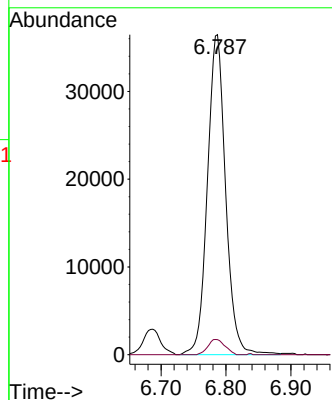
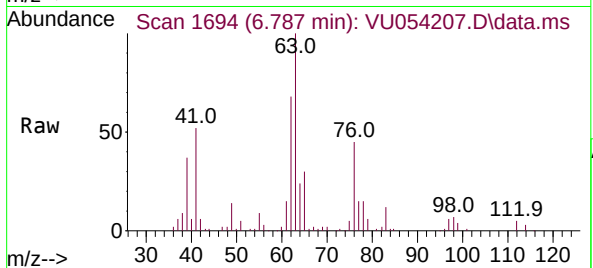
GBWY5MSD

Tgt Ion: 63 Resp: 71170

Ion Ratio Lower Upper

63 100

112 4.5 3.3 4.9



#38

Bromodichloromethane

Concen: 5.129 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

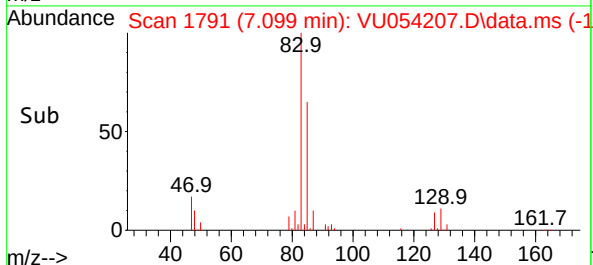
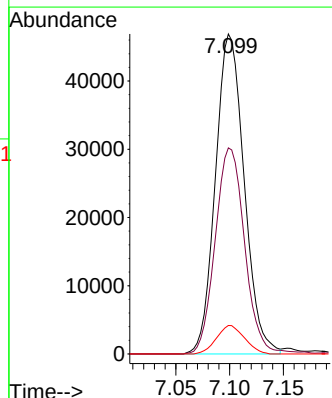
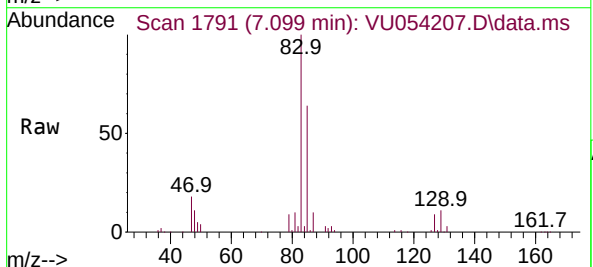
Tgt Ion: 83 Resp: 87214

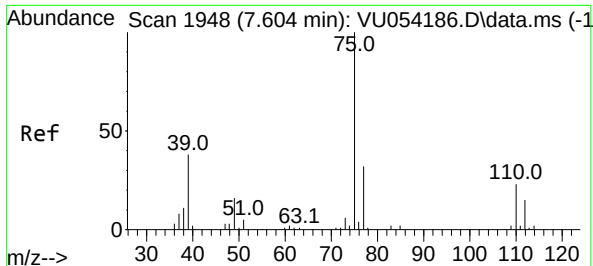
Ion Ratio Lower Upper

83 100

85 64.4 44.2 82.0

127 8.9 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.906 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

Instrument :

MSVOA_U

ClientSampleId :

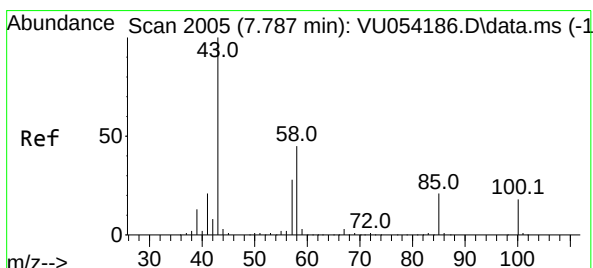
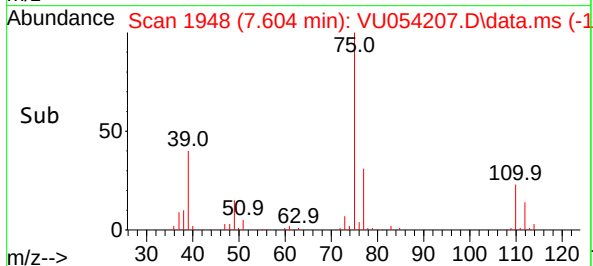
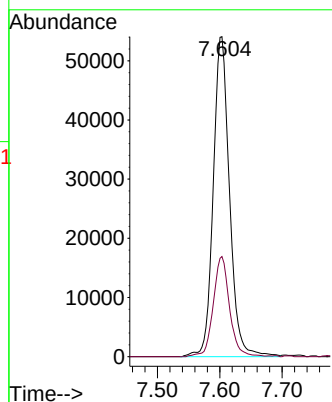
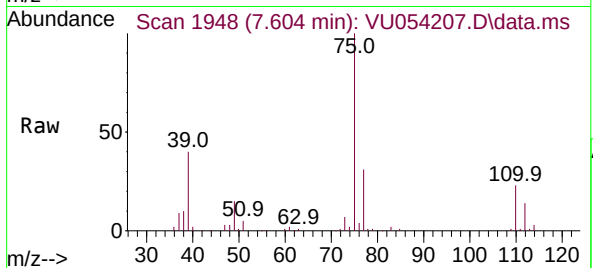
GBWY5MSD

Tgt Ion: 75 Resp: 98158

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 51.601 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. -0.003 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

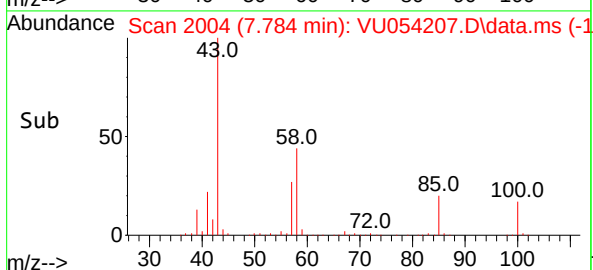
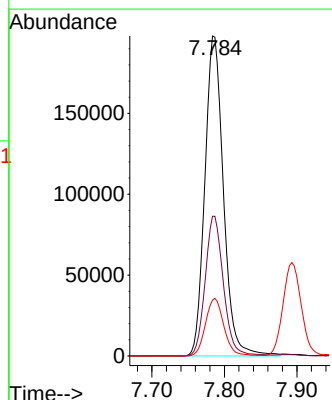
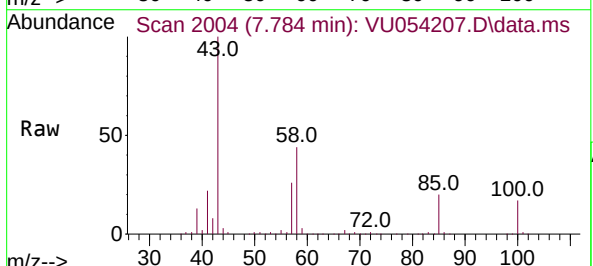
Tgt Ion: 43 Resp: 352728

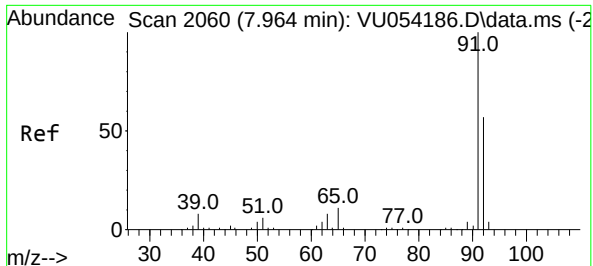
Ion Ratio Lower Upper

43 100

58 43.0 34.8 52.2

100 17.8 14.1 21.1





#42

Toluene

Concen: 5.275 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

Instrument :

MSVOA_U

ClientSampleId :

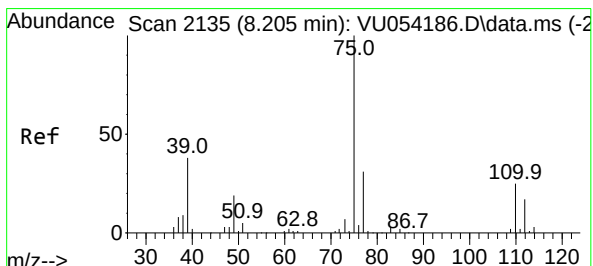
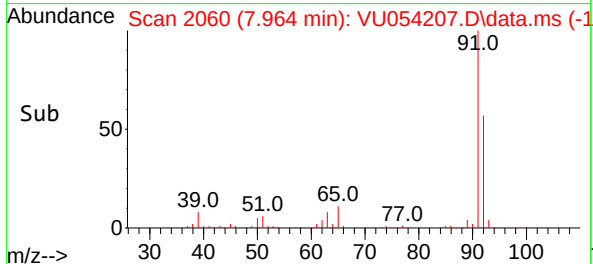
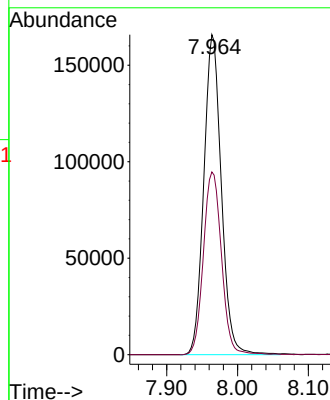
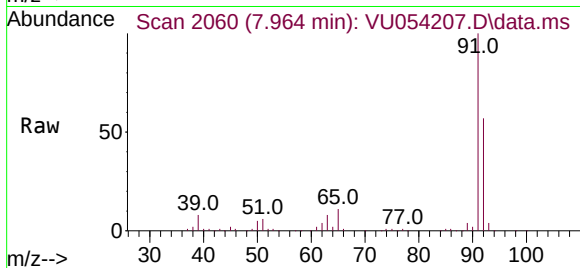
GBWY5MSD

Tgt Ion: 91 Resp: 285047

Ion Ratio Lower Upper

91 100

92 57.1 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 4.858 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU054207.D

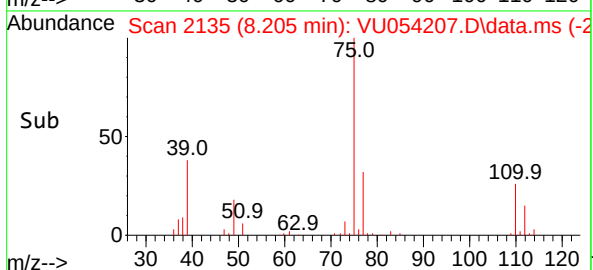
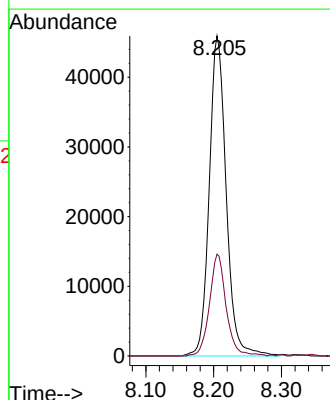
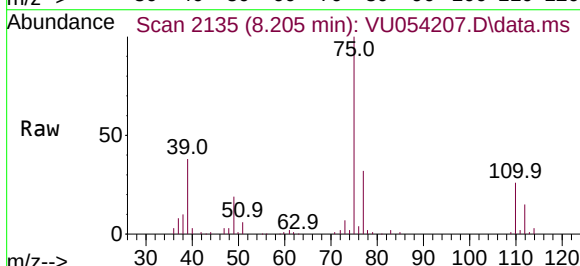
Acq: 19 May 2023 08:58

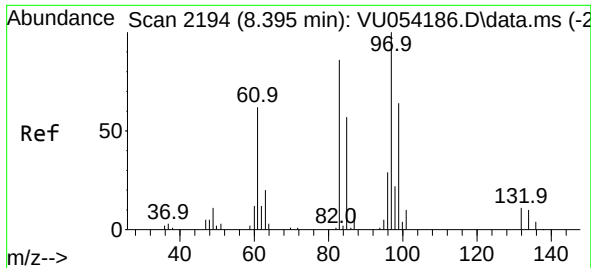
Tgt Ion: 75 Resp: 79782

Ion Ratio Lower Upper

75 100

77 31.8 20.8 38.6

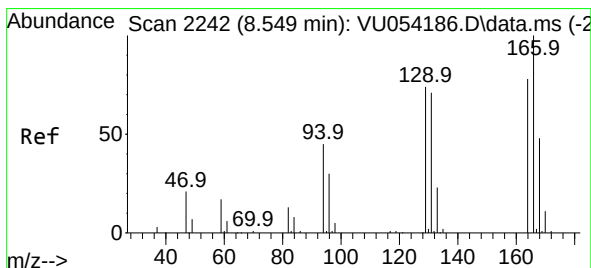
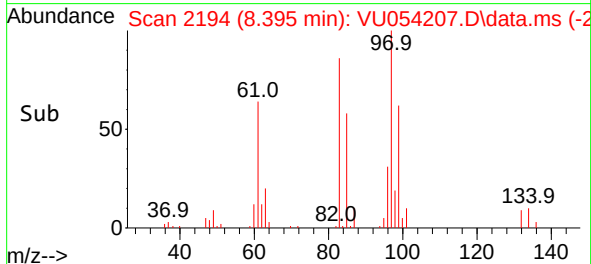
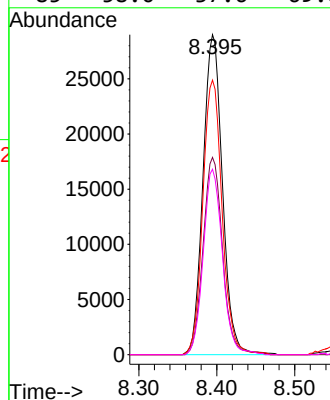
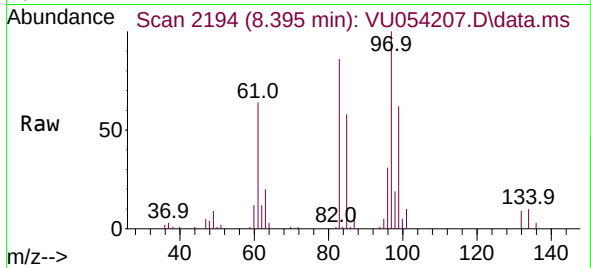




#45
1,1,2-Trichloroethane
Concen: 5.186 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

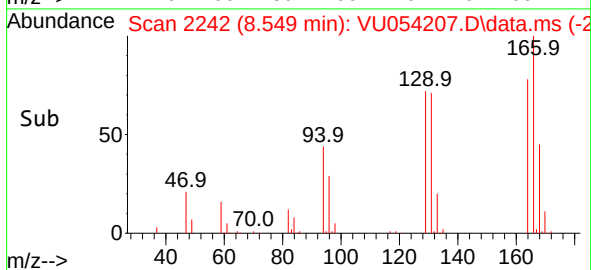
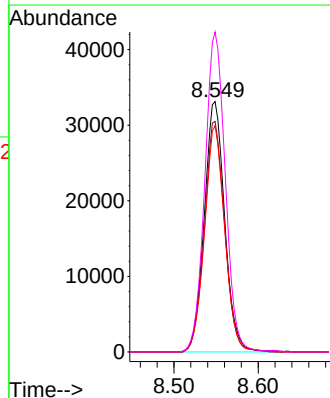
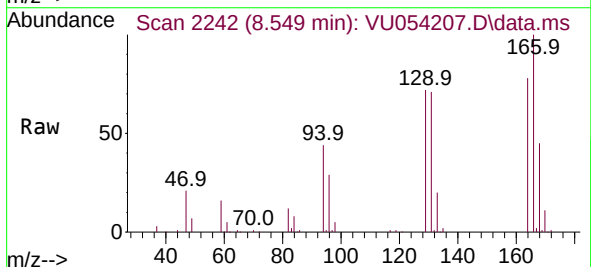
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MSD

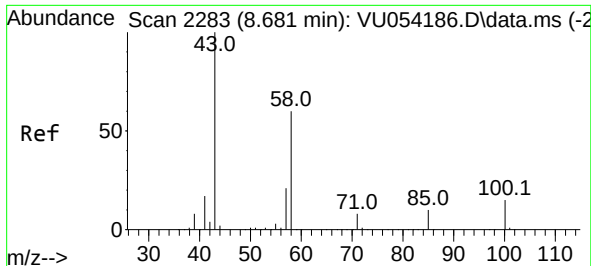
Tgt Ion:	97	Resp:	50184
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.0	79.8
83	85.8	59.1	109.9
85	58.0	37.6	69.8



#47
Tetrachloroethene
Concen: 4.972 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

Tgt Ion:	164	Resp:	56196
Ion	Ratio	Lower	Upper
164	100		
129	92.1	63.3	117.7
131	90.4	61.0	113.4
166	127.8	88.6	164.6



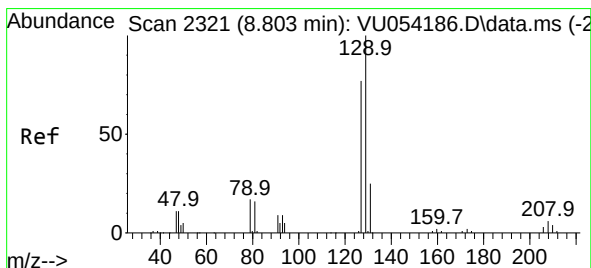
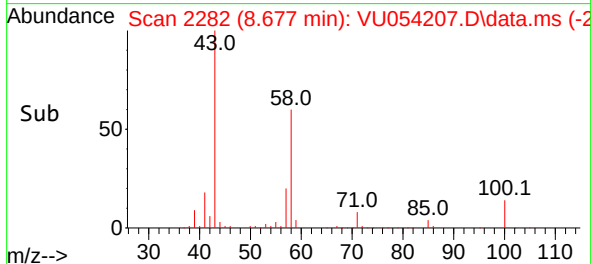
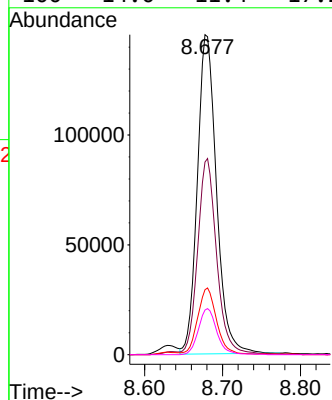
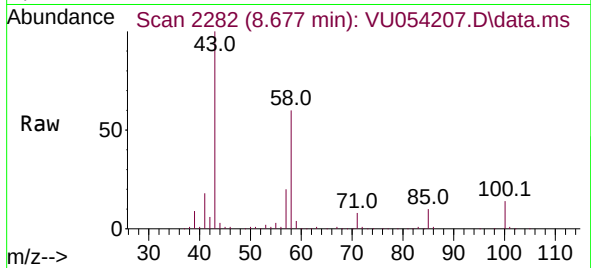


#48
2-Hexanone
Concen: 47.990 ug/L
RT: 8.677 min Scan# 211
Delta R.T. -0.003 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

Instrument :
MSVOA_U
ClientSampleId :
GBWY5MSD

Tgt Ion: 43 Resp: 248026

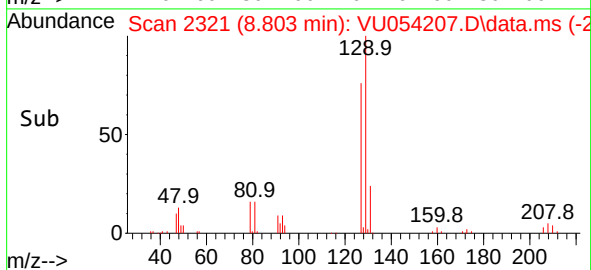
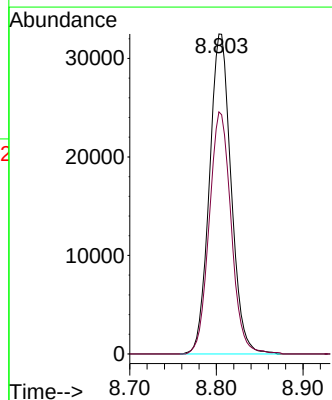
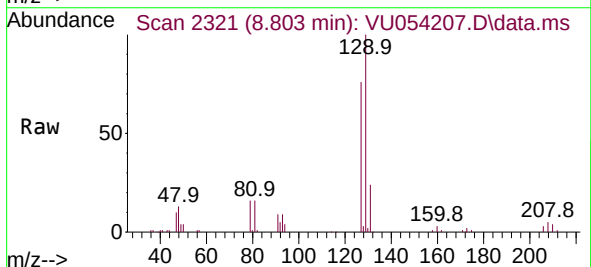
Ion	Ratio	Lower	Upper
43	100		
58	60.4	48.6	72.8
57	20.3	16.7	25.1
100	14.0	11.4	17.2

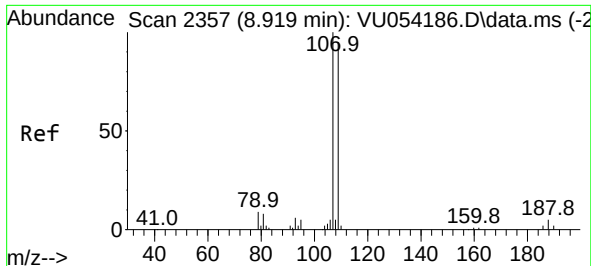


#49
Dibromochloromethane
Concen: 5.235 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. 0.000 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

Tgt Ion: 129 Resp: 56553

Ion	Ratio	Lower	Upper
129	100		
127	75.6	53.6	99.6





#50

1,2-Dibromoethane

Concen: 5.226 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

Instrument :

MSVOA_U

ClientSampleId :

GBWY5MSD

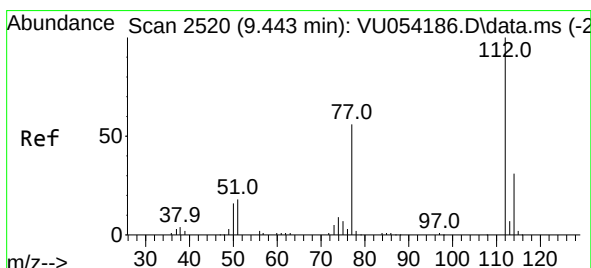
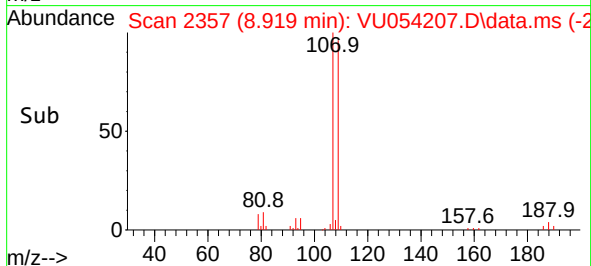
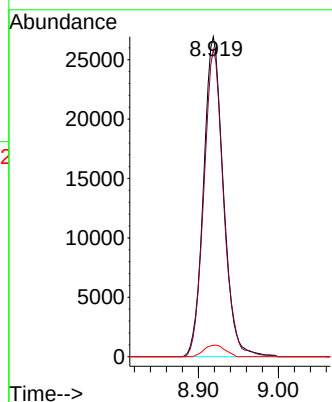
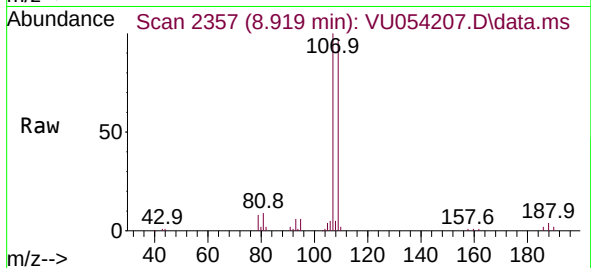
Tgt Ion:107 Resp: 46477

Ion Ratio Lower Upper

107 100

109 96.1 66.4 123.2

188 3.5 3.8 5.6#



#51

Chlorobenzene

Concen: 5.125 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

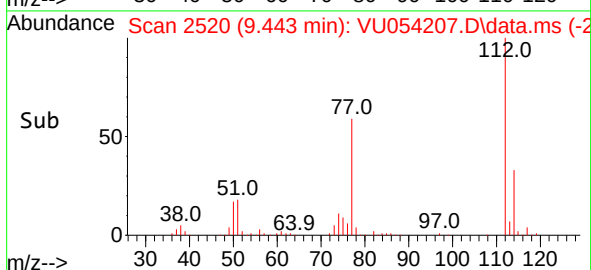
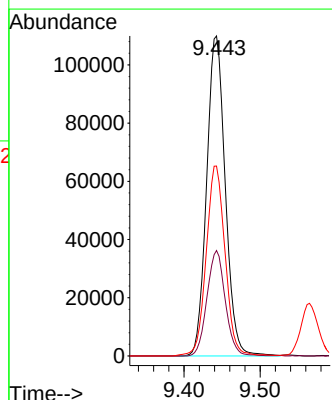
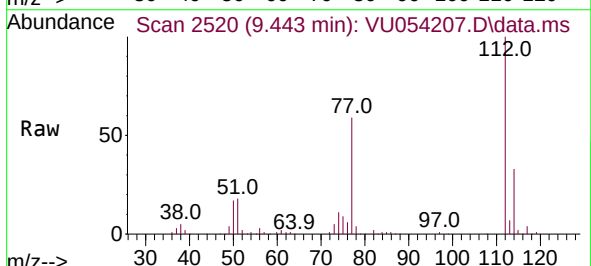
Tgt Ion:112 Resp: 187263

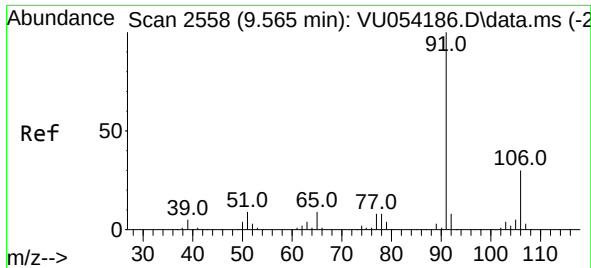
Ion Ratio Lower Upper

112 100

114 33.0 22.4 41.6

77 59.3 46.1 69.1

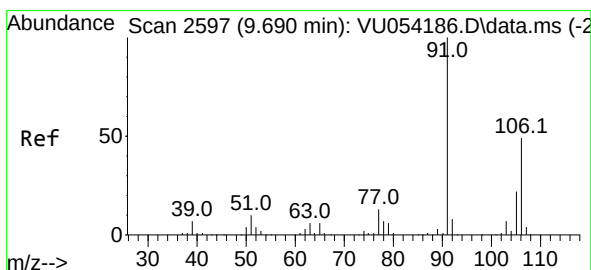
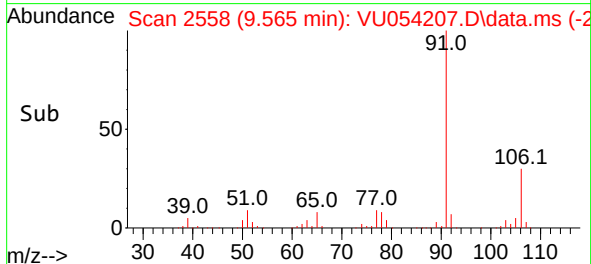
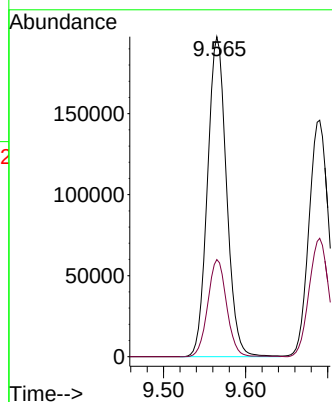
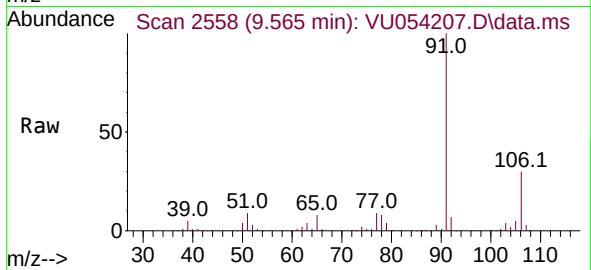




#52
Ethylbenzene
Concen: 5.286 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

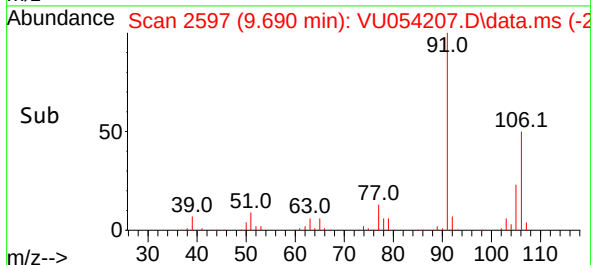
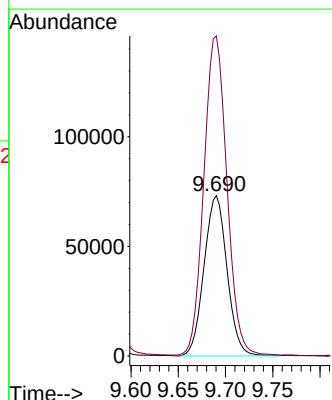
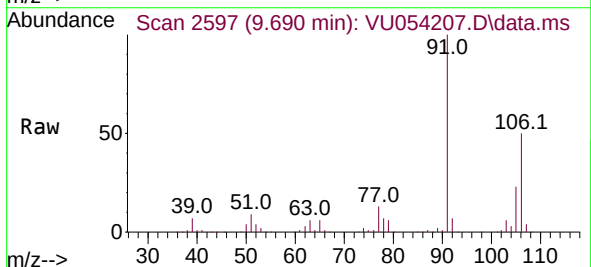
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MSD

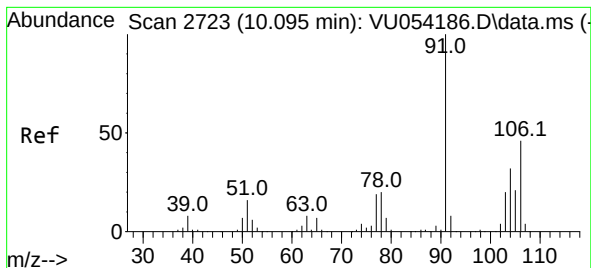
Tgt Ion: 91 Resp: 318345
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.5



#53
m,p-Xylene
Concen: 5.421 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

Tgt Ion: 106 Resp: 124006
Ion Ratio Lower Upper
106 100
91 199.7 146.3 271.7





#54

o-Xylene

Concen: 5.128 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. 0.000 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

Instrument :

MSVOA_U

ClientSampleId :

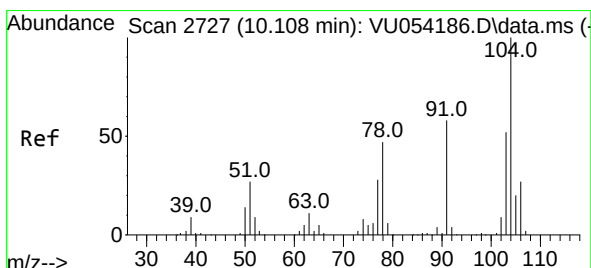
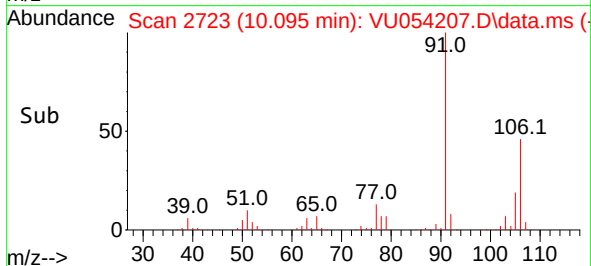
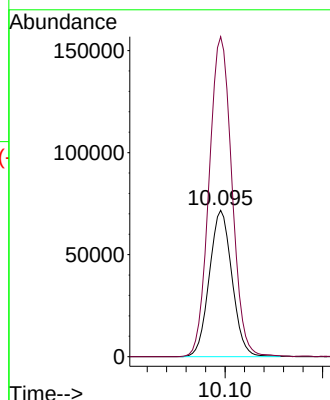
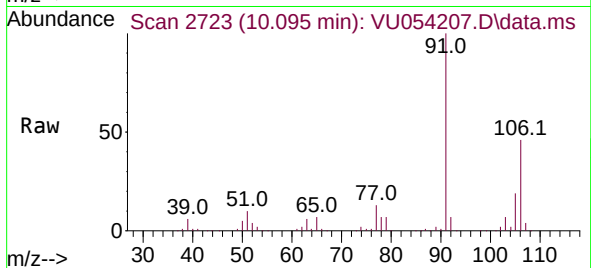
GBWY5MSD

Tgt Ion:106 Resp: 115830

Ion Ratio Lower Upper

106 100

91 218.5 153.6 285.3



#55

Styrene

Concen: 0.208 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. -0.013 min

Lab File: VU054207.D

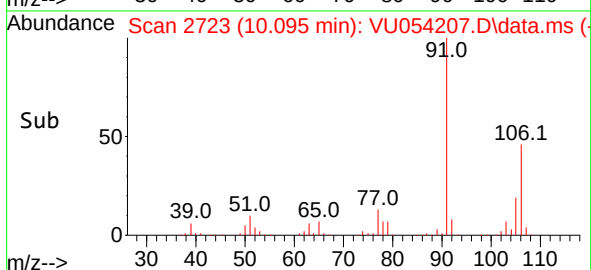
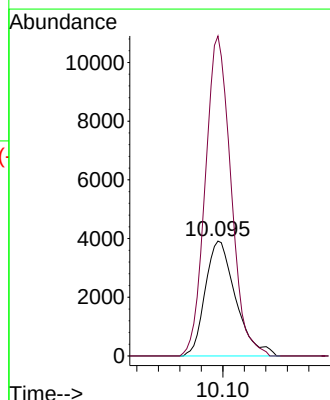
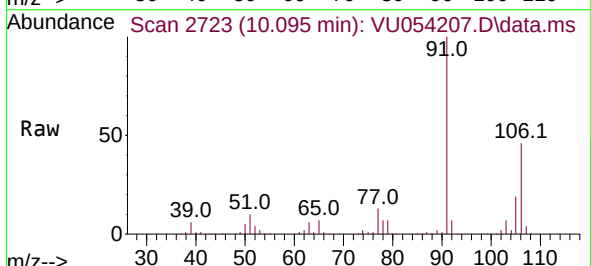
Acq: 19 May 2023 08:58

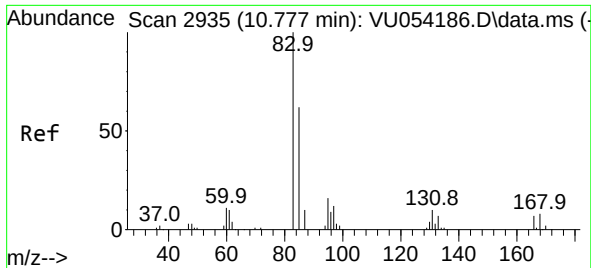
Tgt Ion:104 Resp: 7689

Ion Ratio Lower Upper

104 100

78 278.6 33.1 61.5#



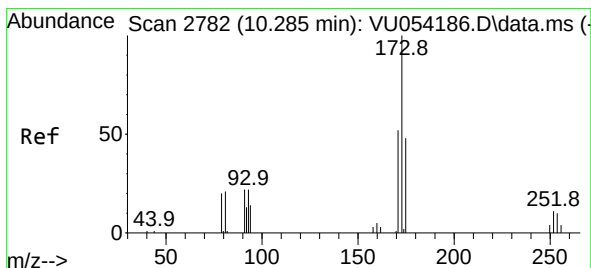
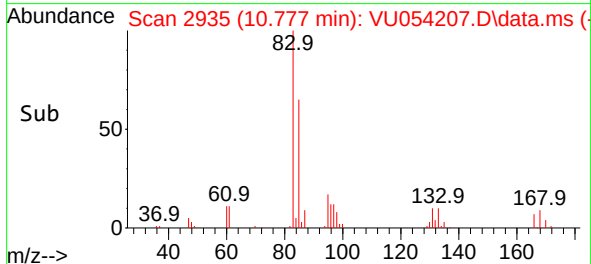
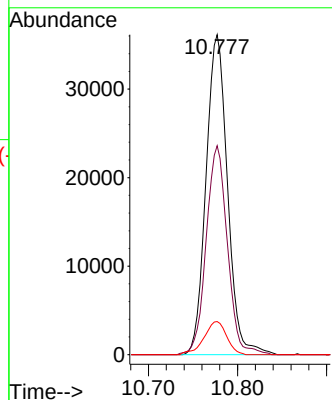
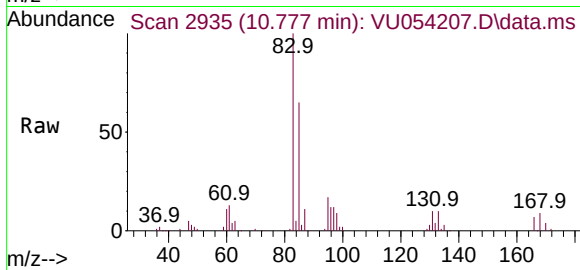


#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.265 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU054207.D
 Acq: 19 May 2023 08:58

Instrument :
 MSVOA_U
 ClientSampleId :
 GBWY5MSD

Tgt Ion: 83 Resp: 60503

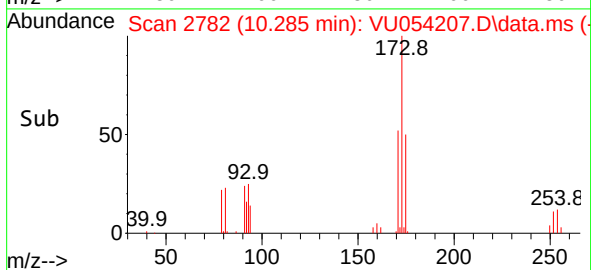
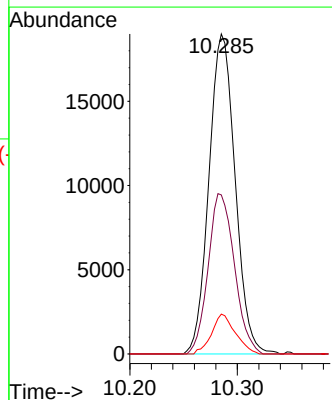
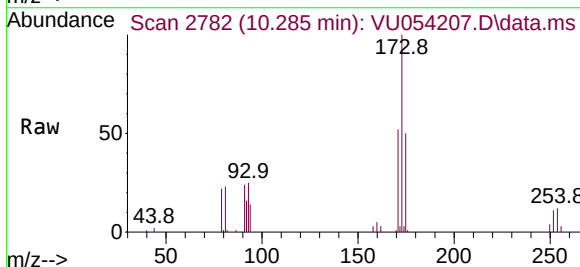
Ion	Ratio	Lower	Upper
83	100		
85	65.3	44.8	83.2
131	10.4	8.1	12.1

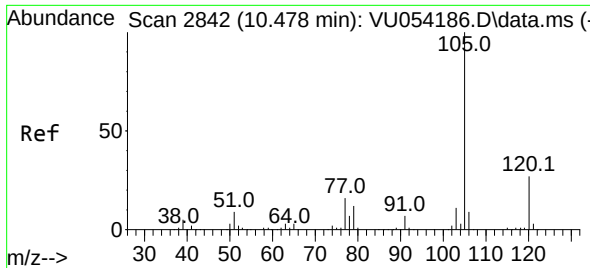


#59
 Bromoform
 Concen: 5.002 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. 0.000 min
 Lab File: VU054207.D
 Acq: 19 May 2023 08:58

Tgt Ion: 173 Resp: 32155

Ion	Ratio	Lower	Upper
173	100		
175	50.3	38.6	58.0
254	11.3	7.9	11.9

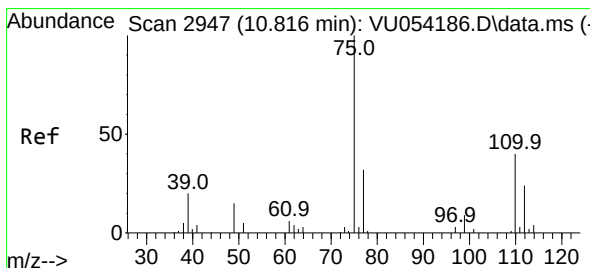
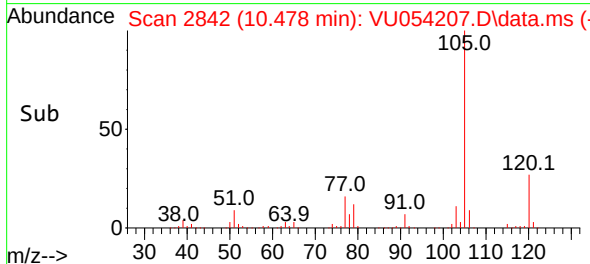
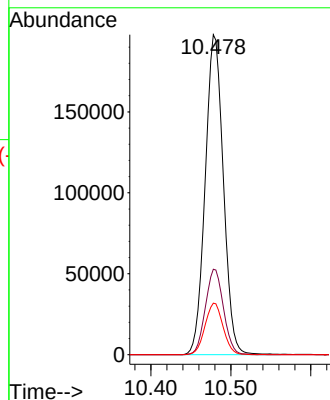
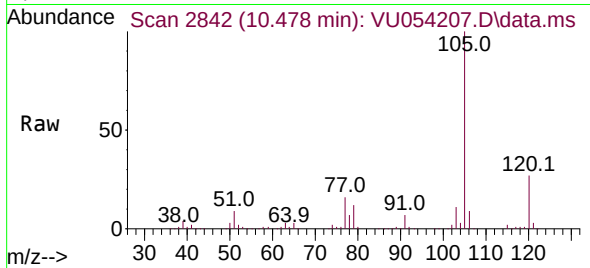




#60
Isopropylbenzene
Concen: 5.124 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

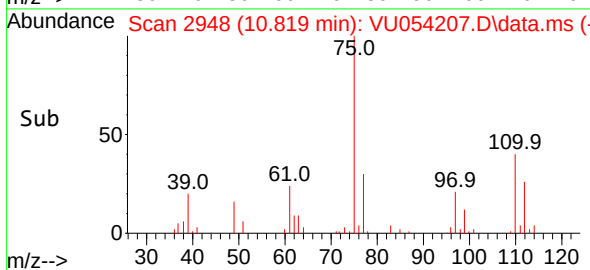
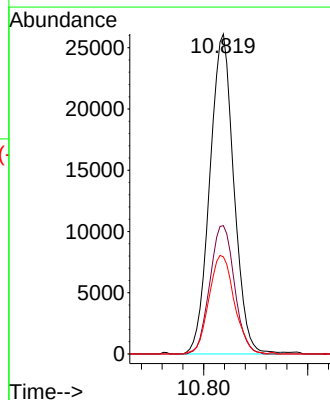
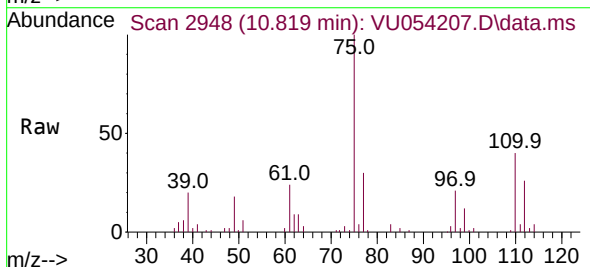
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MSD

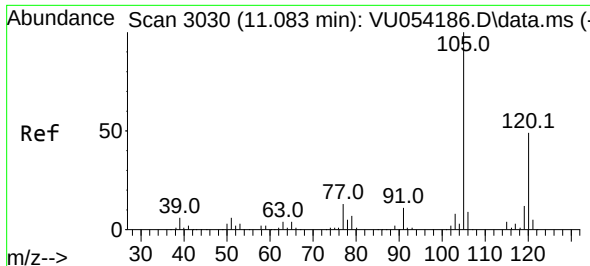
Tgt Ion:105 Resp: 312558
Ion Ratio Lower Upper
105 100
120 26.6 21.3 31.9
77 16.0 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 5.175 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

Tgt Ion: 75 Resp: 41942
Ion Ratio Lower Upper
75 100
110 40.8 32.3 48.5
77 32.6 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 5.134 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

Instrument :

MSVOA_U

ClientSampleId :

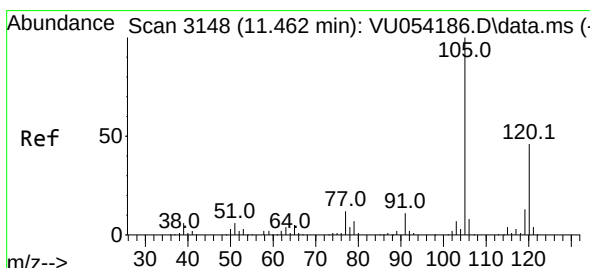
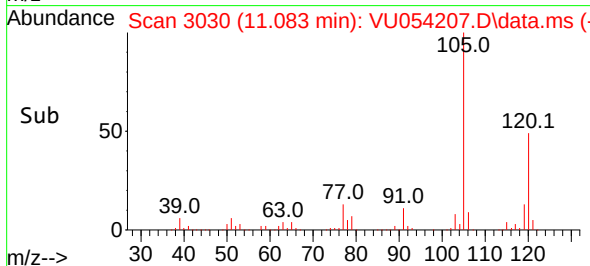
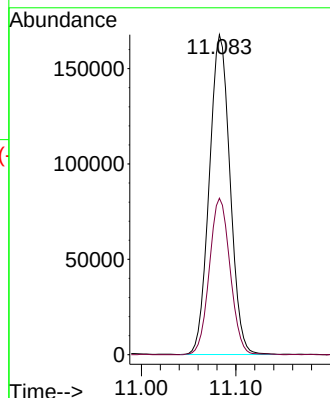
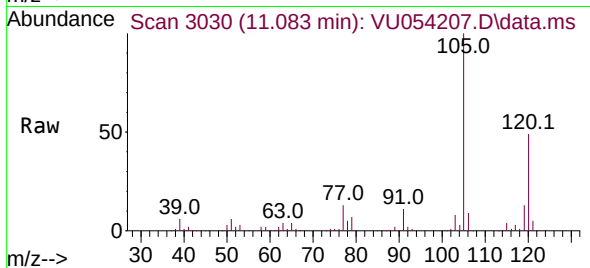
GBWY5MSD

Tgt Ion:105 Resp: 255595

Ion Ratio Lower Upper

105 100

120 49.0 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 5.288 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU054207.D

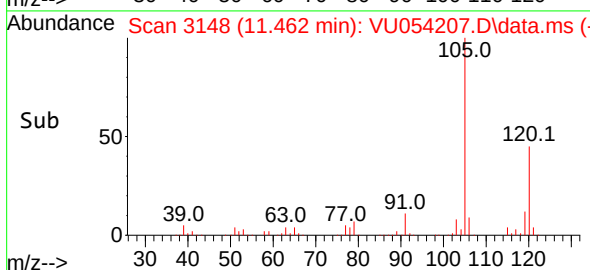
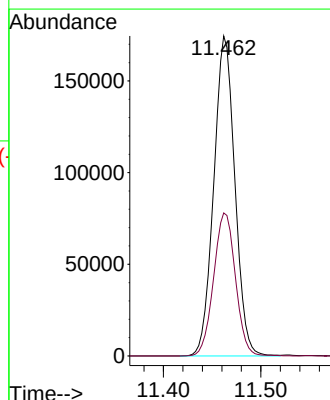
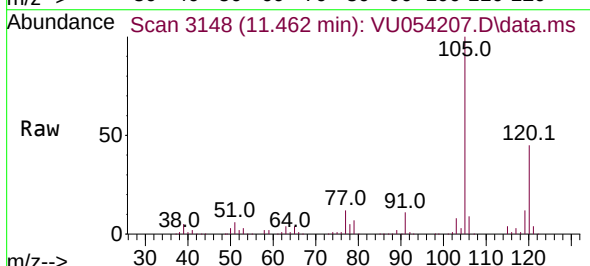
Acq: 19 May 2023 08:58

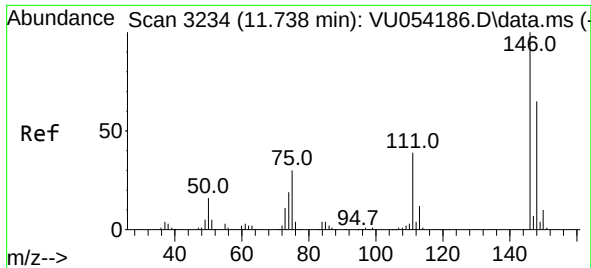
Tgt Ion:105 Resp: 262793

Ion Ratio Lower Upper

105 100

120 46.2 36.9 55.3

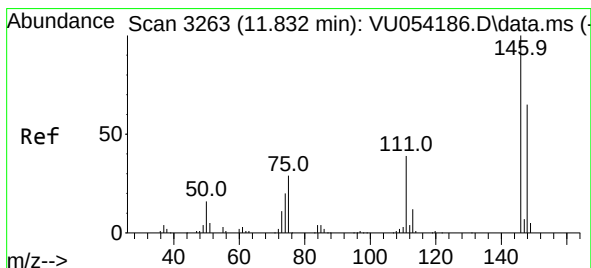
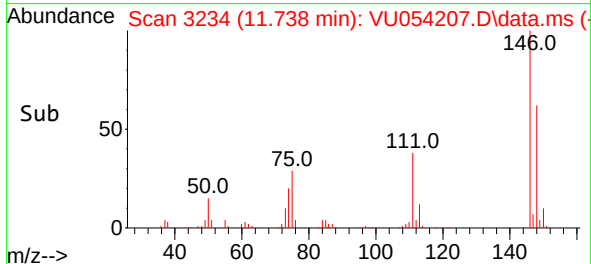
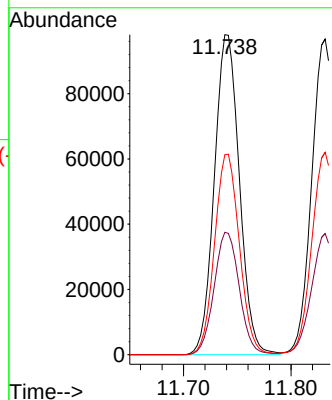
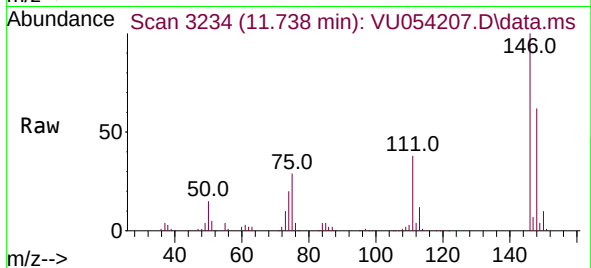




#64
1,3-Dichlorobenzene
Concen: 5.217 ug/L
RT: 11.738 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

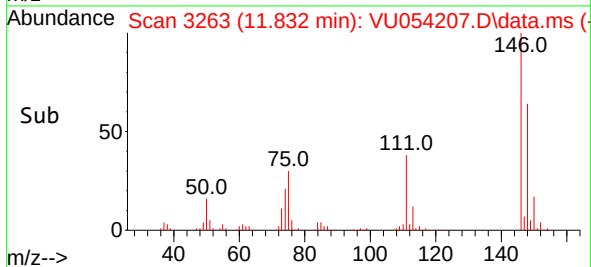
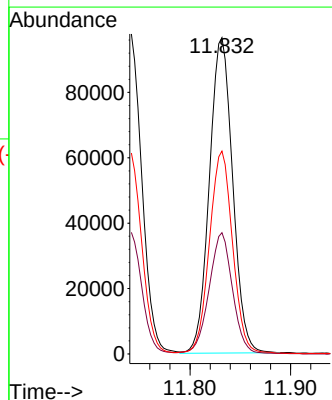
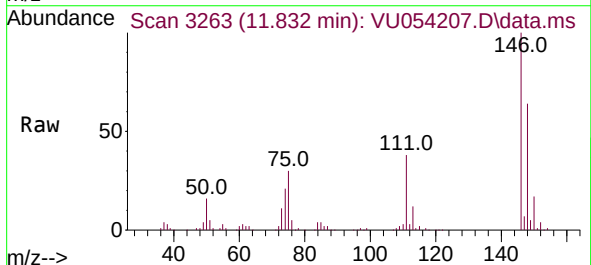
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MSD

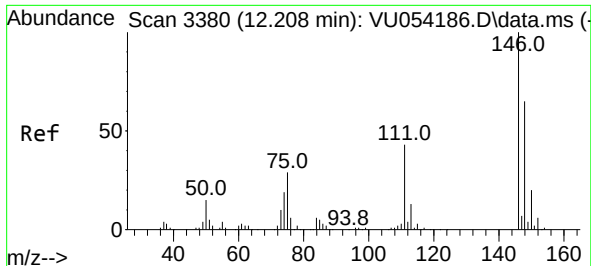
Tgt Ion:146 Resp: 158841
Ion Ratio Lower Upper
146 100
111 38.2 27.8 51.6
148 62.5 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 5.124 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU054207.D
Acq: 19 May 2023 08:58

Tgt Ion:146 Resp: 154975
Ion Ratio Lower Upper
146 100
111 38.4 26.6 49.4
148 64.1 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 5.127 ug/L

RT: 12.205 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

Instrument :

MSVOA_U

ClientSampleId :

GBWY5MSD

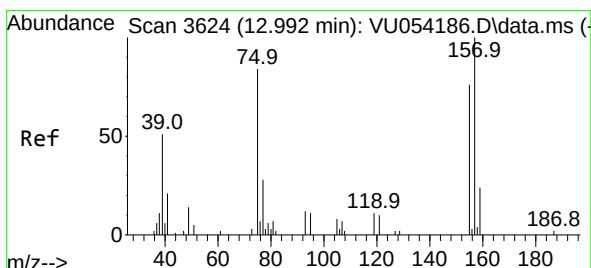
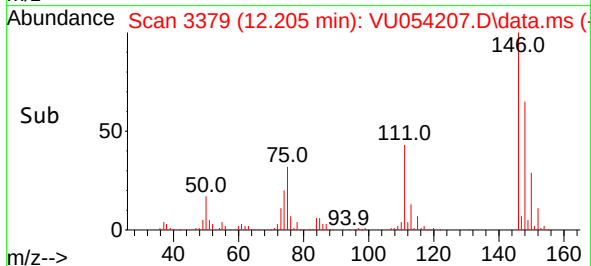
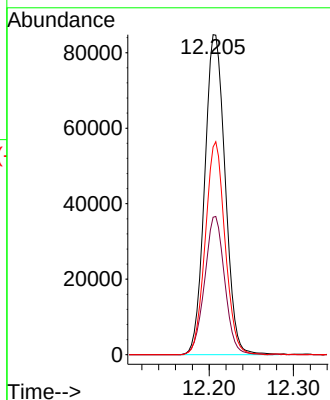
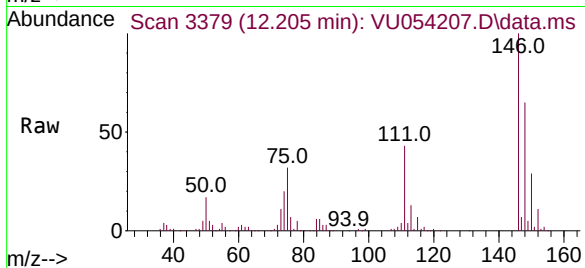
Tgt Ion:146 Resp: 143224

Ion Ratio Lower Upper

146 100

111 43.0 33.0 49.4

148 64.9 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.304 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

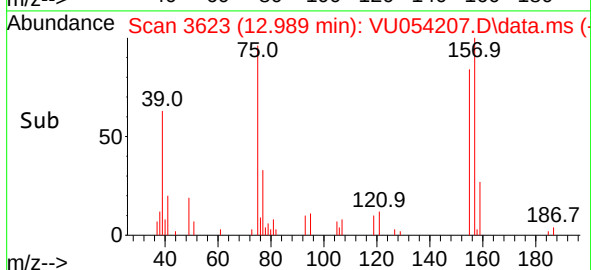
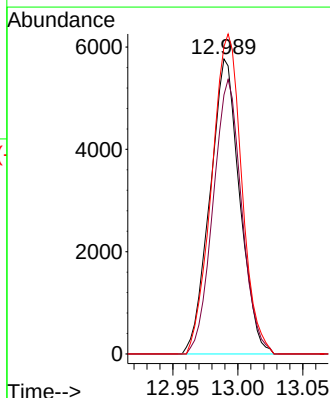
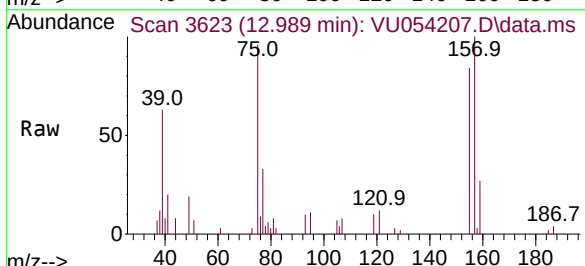
Tgt Ion: 75 Resp: 9190

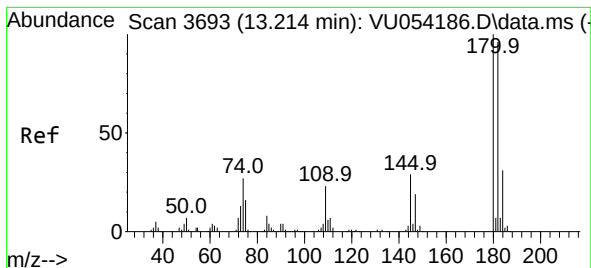
Ion Ratio Lower Upper

75 100

155 87.8 62.7 94.1

157 104.2 77.0 115.4





#69

1,3,5-Trichlorobenzene

Concen: 5.111 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

Instrument :

MSVOA_U

ClientSampleId :

GBWY5MSD

Tgt Ion:180 Resp: 116082

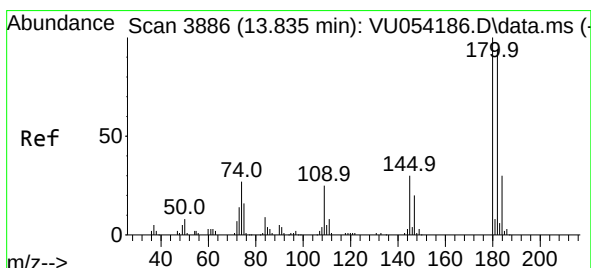
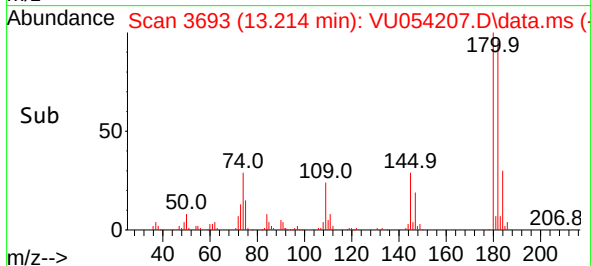
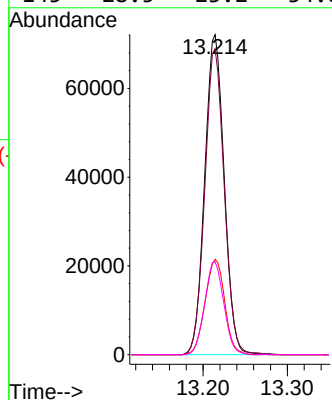
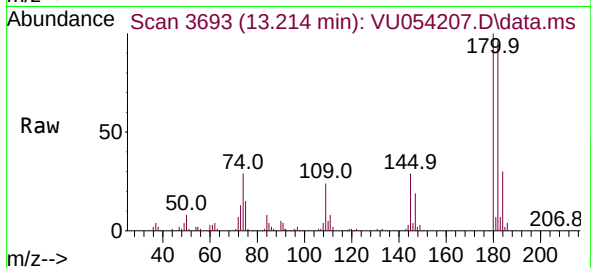
Ion Ratio Lower Upper

180 100

182 95.3 76.1 114.1

184 30.0 24.5 36.7

145 28.5 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 5.122 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

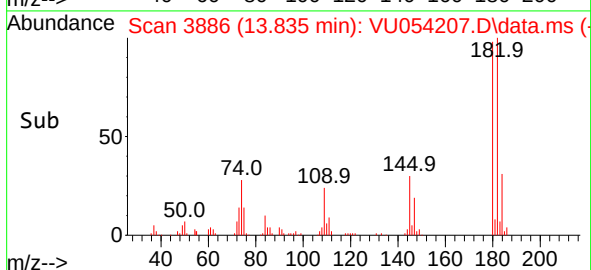
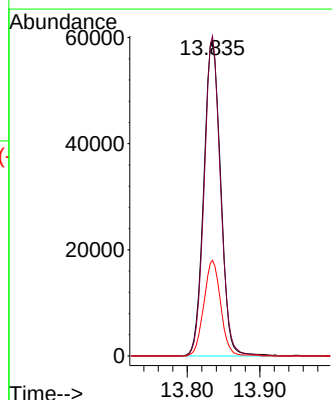
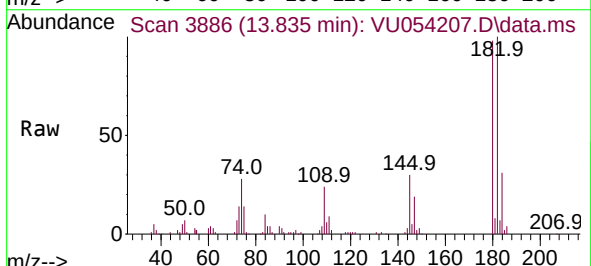
Tgt Ion:180 Resp: 96330

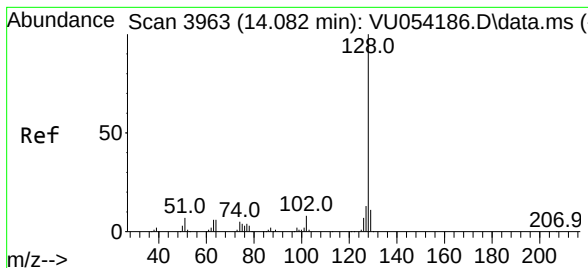
Ion Ratio Lower Upper

180 100

182 97.9 76.4 114.6

145 30.0 23.3 34.9





#71

Naphthalene

Concen: 5.619 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

Instrument :

MSVOA_U

ClientSampleId :

GBWY5MSD

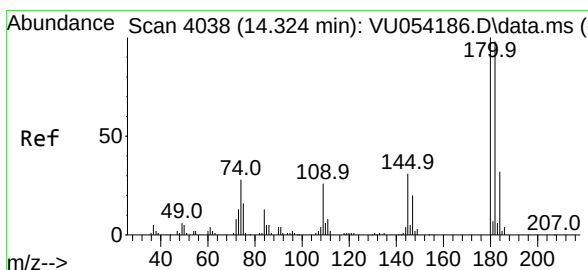
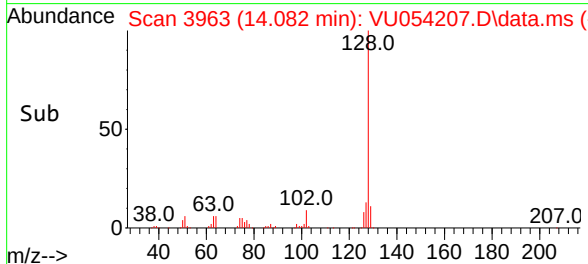
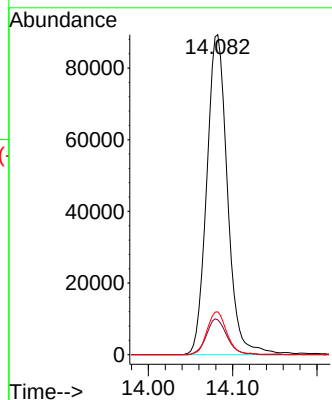
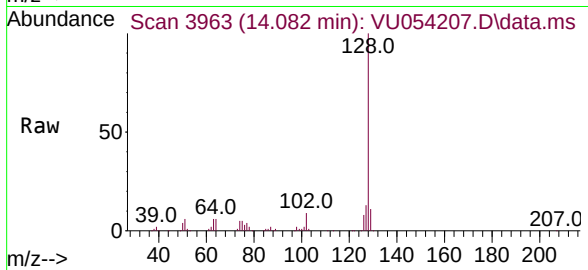
Tgt Ion:128 Resp: 152862

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

127 12.9 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 5.606 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU054207.D

Acq: 19 May 2023 08:58

Tgt Ion:180 Resp: 89237

Ion Ratio Lower Upper

180 100

182 96.6 76.4 114.6

145 31.7 25.1 37.7

