

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051823\
 Data File : VU054206.D
 Acq On : 19 May 2023 08:34
 Operator : JC/MD
 Sample : 02843-10MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBWY5MS

Quant Time: May 19 09:20:47 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	185349	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	176336	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	98284	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	43913	4.394	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.800%
7) Chloroethane-d5	1.912	69	33352	4.461	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.200%
11) 1,1-Dichloroethene-d2	2.565	65	19572	4.337	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.800%
20) 2-Butanone-d5	4.629	46	86233	48.390	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.780%
24) Chloroform-d	5.060	84	86833	4.622	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	5.697	65	39506	4.571	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
32) Benzene-d6	5.722	84	163479	4.552	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
36) 1,2-Dichloropropane-d6	6.684	67	48554	4.678	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.600%
41) Toluene-d8	7.893	98	154368	4.552	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.000%
43) trans-1,3-Dichloroprop...	8.173	79	18525	4.419	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.629	63	64988	52.064	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.120%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	37506	5.041	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	12.185	152	57832	4.822	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	64575	4.608	ug/L	99
3) Chloromethane	1.517	50	65146	5.015	ug/L	94
5) Vinyl chloride	1.604	62	67352	4.881	ug/L	90
6) Bromomethane	1.858	94	35359	4.223	ug/L	93
8) Chloroethane	1.935	64	40494	4.632	ug/L	97
9) Trichlorofluoromethane	2.134	101	104790	4.780	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	60310	4.745	ug/L	97
12) 1,1-Dichloroethene	2.578	96	54839	4.834	ug/L	97
13) Acetone	2.642	43	88023	36.309	ug/L	98
14) Carbon disulfide	2.790	76	137194	4.814	ug/L	99
15) Methyl Acetate	2.954	43	17840	4.105	ug/L	99
16) Methylene chloride	3.041	84	62072	4.180	ug/L	97
17) Methyl tert-butyl Ether	3.359	73	149436	5.232	ug/L	99
18) trans-1,2-Dichloroethene	3.350	96	56912	4.932	ug/L	97
19) 1,1-Dichloroethane	3.864	63	116470	5.041	ug/L	95
21) 2-Butanone	4.706	43	141088	43.937	ug/L	95
22) cis-1,2-Dichloroethene	4.661	96	65763	4.874	ug/L	98
23) Bromochloromethane	4.970	128	29050	4.929	ug/L	98
25) Chloroform	5.083	83	122345	4.882	ug/L	97

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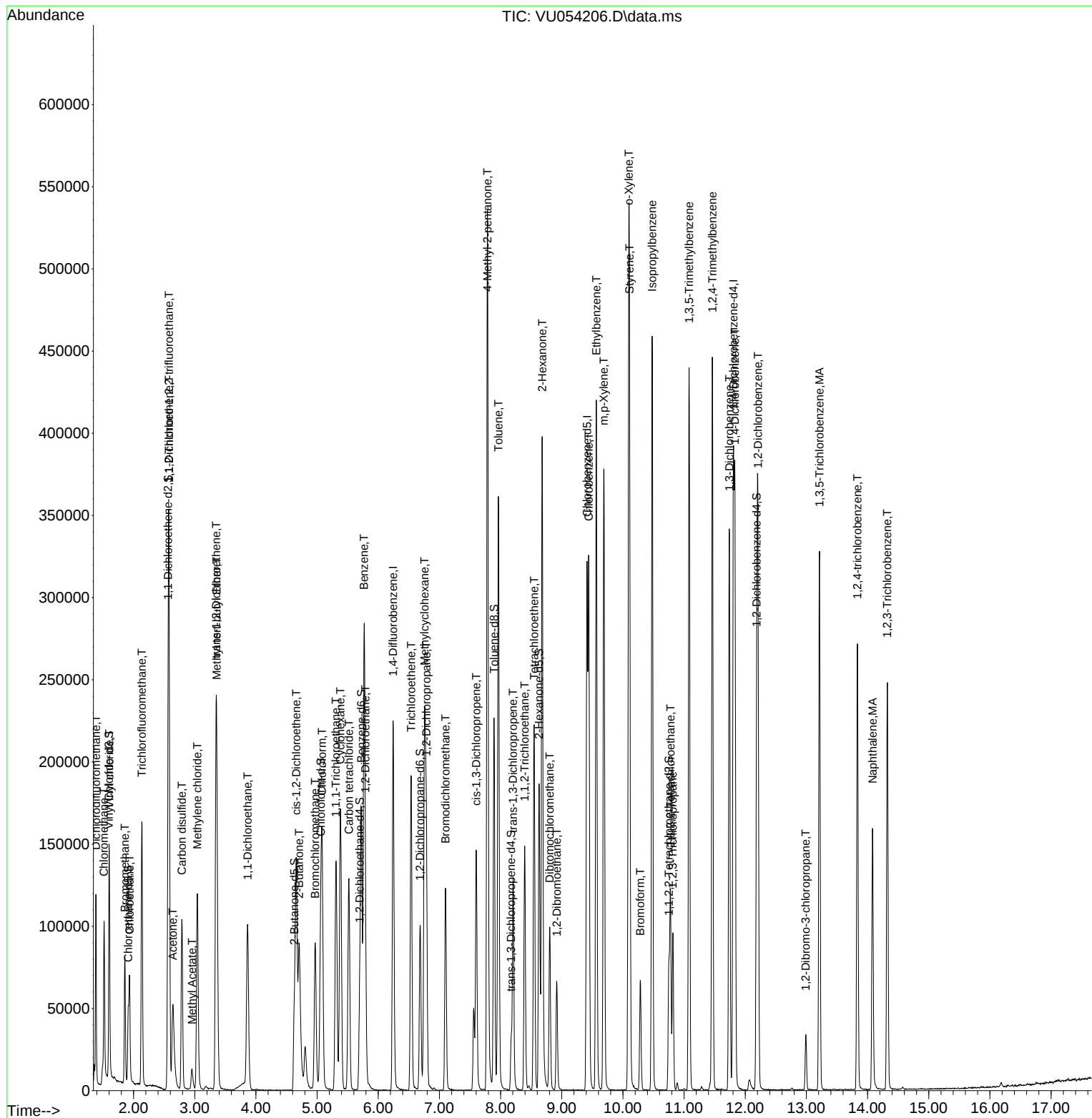
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	70393	4.885	ug/L	99
29) 1,1,1-Trichloroethane	5.308	97	107145	4.854	ug/L	99
30) Cyclohexane	5.382	56	85794	4.775	ug/L	97
31) Carbon tetrachloride	5.520	117	92324	4.823	ug/L	98
33) Benzene	5.767	78	244841	4.906	ug/L	100
34) Trichloroethene	6.539	95	66412	4.948	ug/L	95
35) Methylcyclohexane	6.758	83	88936	4.531	ug/L	98
37) 1,2-Dichloropropane	6.787	63	65163	4.972	ug/L #	97
38) Bromodichloromethane	7.099	83	82254	4.957	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	91508	4.687	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	341706	51.223	ug/L	99
42) Toluene	7.964	91	268233	5.086	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	74464	4.646	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	46913	4.967	ug/L	98
47) Tetrachloroethene	8.549	164	54097	4.904	ug/L	95
48) 2-Hexanone	8.681	43	244076	48.391	ug/L	99
49) Dibromochloromethane	8.803	129	51463	4.881	ug/L	98
50) 1,2-Dibromoethane	8.918	107	44016	5.071	ug/L	99
51) Chlorobenzene	9.443	112	171741	4.816	ug/L	97
52) Ethylbenzene	9.565	91	289305	4.923	ug/L	98
53) m,p-Xylene	9.687	106	109941	4.925	ug/L	96
54) o-Xylene	10.095	106	110513	5.013	ug/L	100
55) Styrene	10.108	104	145122	4.026	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	58928	5.254	ug/L	100
59) Bromoform	10.285	173	31531	4.989	ug/L	98
60) Isopropylbenzene	10.478	105	294749	4.915	ug/L	99
61) 1,2,3-Trichloropropane	10.816	75	40492	5.082	ug/L	98
62) 1,3,5-Trimethylbenzene	11.082	105	236928	4.840	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	244914	5.013	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	142167	4.749	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	146846	4.938	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	134112	4.882	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.989	75	8587	5.041	ug/L	85
69) 1,3,5-Trichlorobenzene	13.214	180	104726	4.689	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	87540	4.734	ug/L	100
71) Naphthalene	14.082	128	133382	4.987	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	79830	5.101	ug/L	100

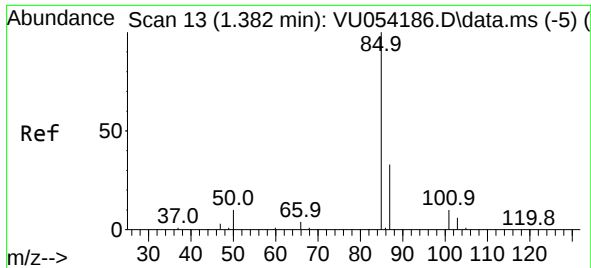
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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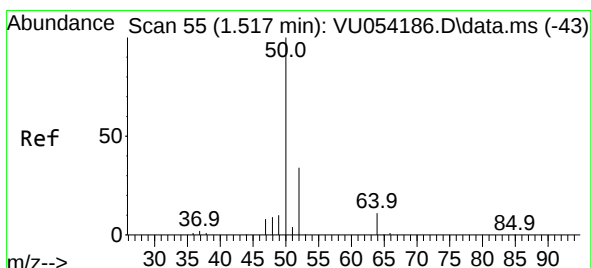
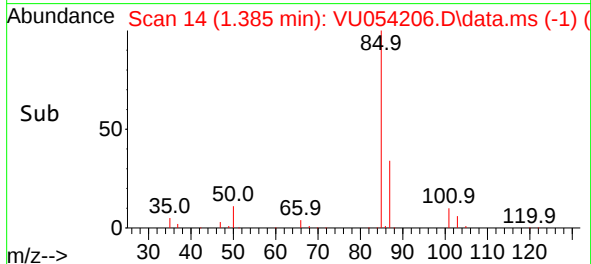
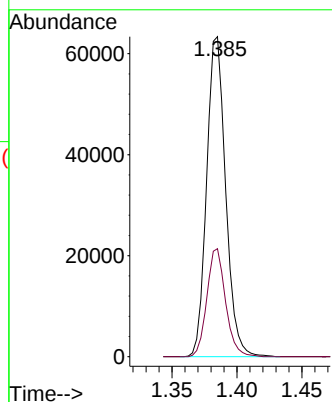
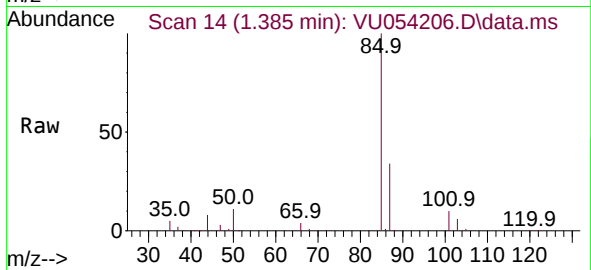




#2
Dichlorodifluoromethane
Concen: 4.608 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

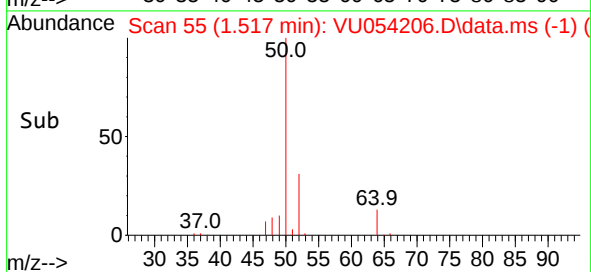
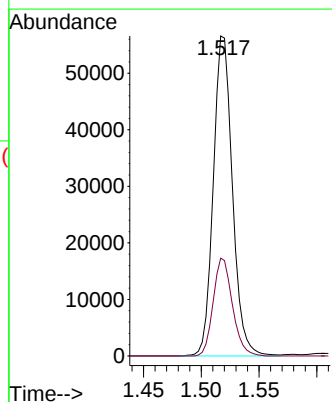
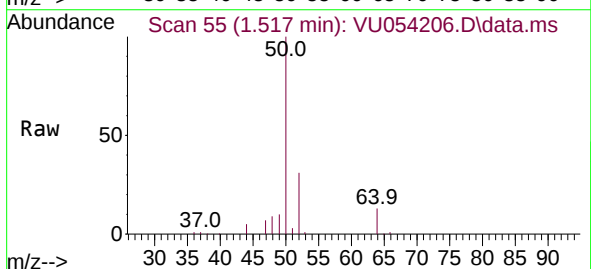
Instrument :
MSVOA_U
ClientSampleId :
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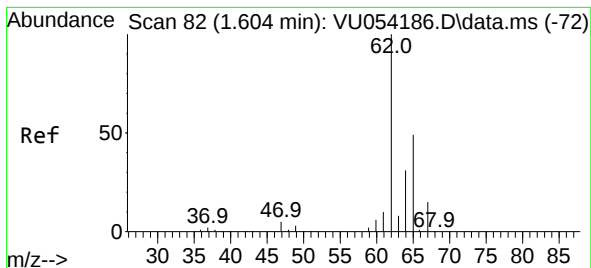
Tgt Ion: 85 Resp: 64575
Ion Ratio Lower Upper
85 100
87 33.1 26.1 39.1



#3
Chloromethane
Concen: 5.015 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.000 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

Tgt Ion: 50 Resp: 65146
Ion Ratio Lower Upper
50 100
52 30.5 23.7 44.1





#5

Vinyl chloride

Concen: 4.881 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.000 min

Lab File: VU054206.D

Acq: 19 May 2023 08:34

Instrument :

MSVOA_U

ClientSampleId :

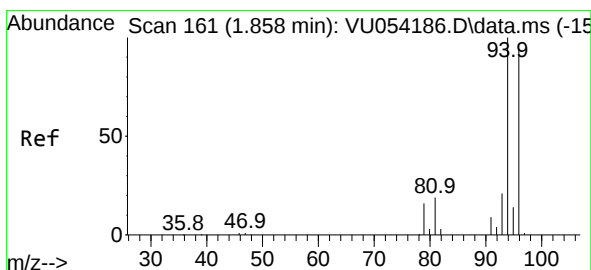
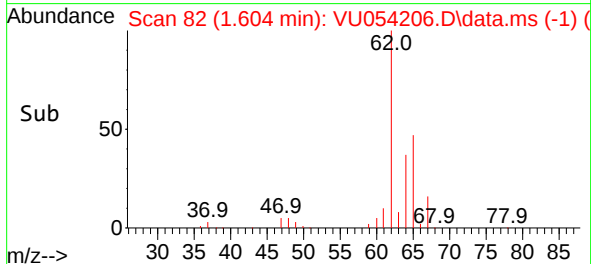
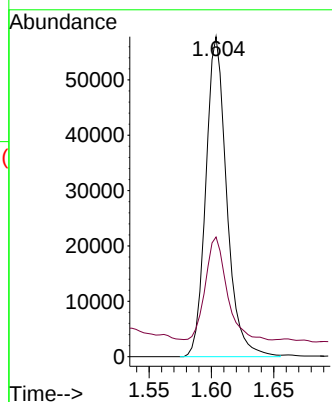
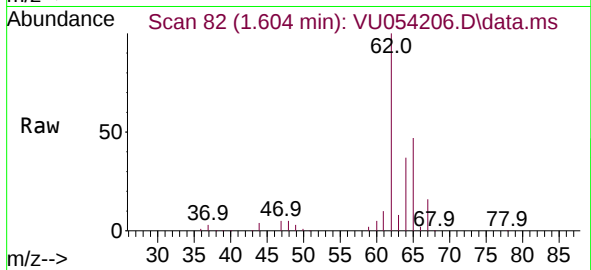
GBWY5MS

Tgt Ion: 62 Resp: 67352

Ion Ratio Lower Upper

62 100

64 37.4 22.4 41.6



#6

Bromomethane

Concen: 4.223 ug/L

RT: 1.858 min Scan# 161

Delta R.T. -0.000 min

Lab File: VU054206.D

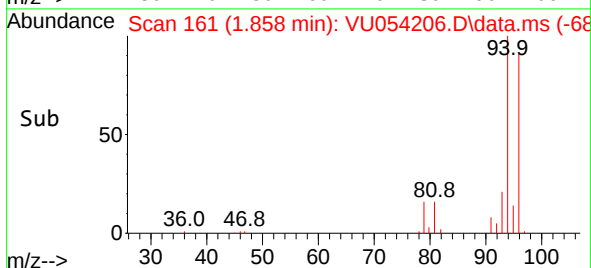
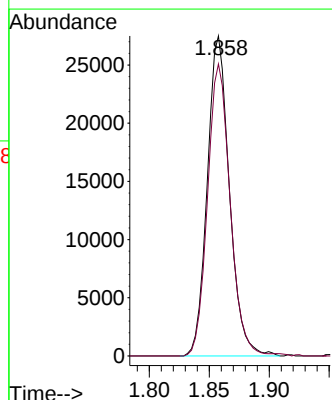
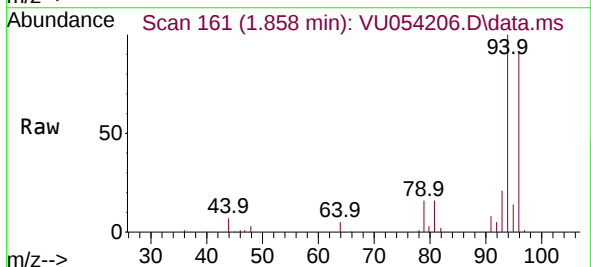
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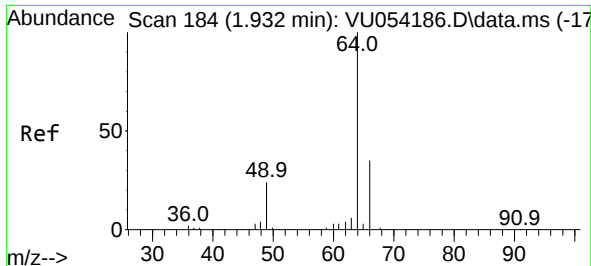
Tgt Ion: 94 Resp: 35359

Ion Ratio Lower Upper

94 100

96 91.3 68.7 127.5

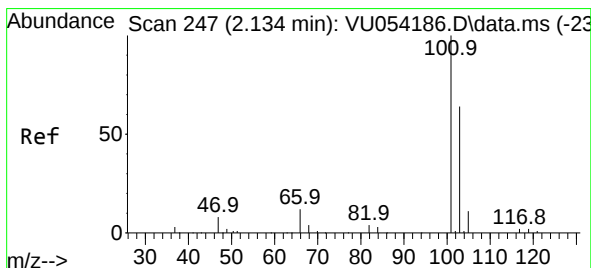
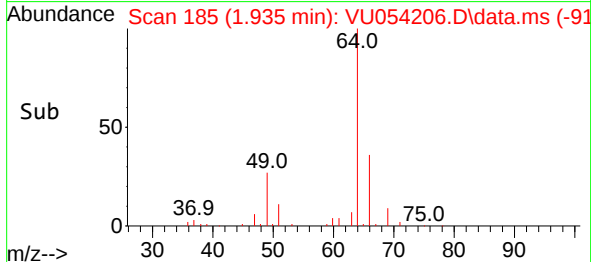
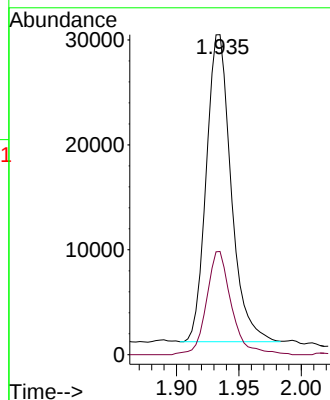
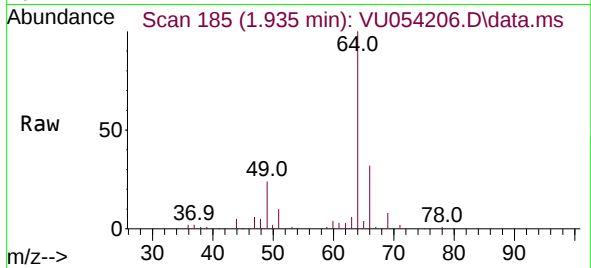




#8
Chloroethane
Concen: 4.632 ug/L
RT: 1.935 min Scan# 184
Delta R.T. 0.003 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

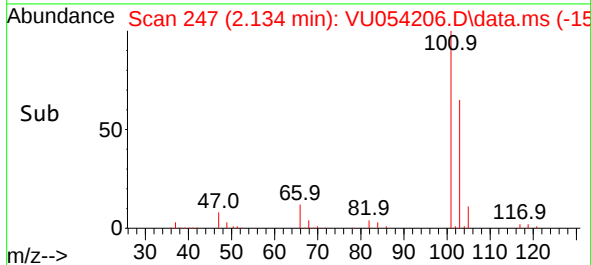
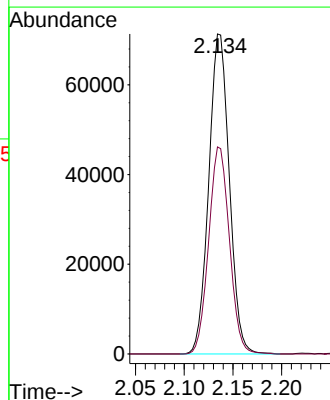
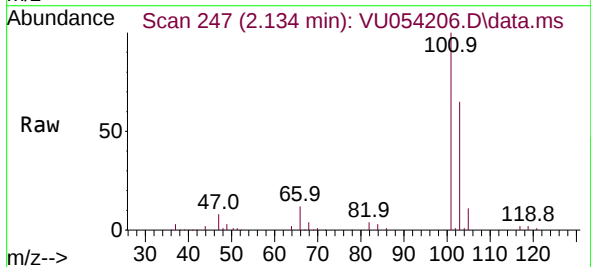
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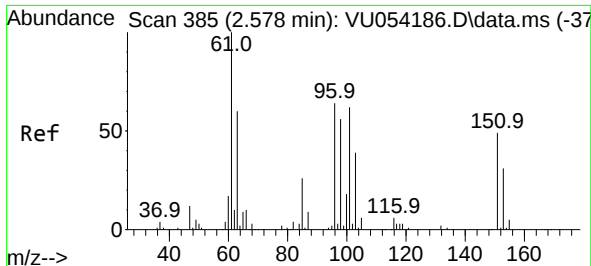
Tgt Ion: 64 Resp: 40494
Ion Ratio Lower Upper
64 100
66 32.3 21.6 40.0



#9
Trichlorofluoromethane
Concen: 4.780 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.000 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

Tgt Ion:101 Resp: 104790
Ion Ratio Lower Upper
101 100
103 65.3 51.0 76.6

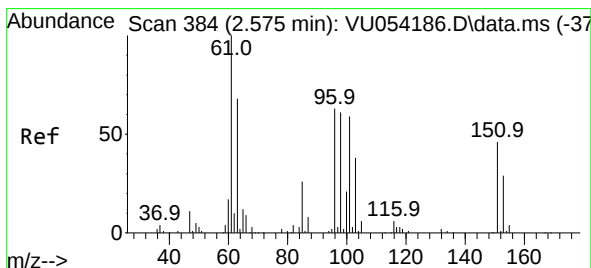
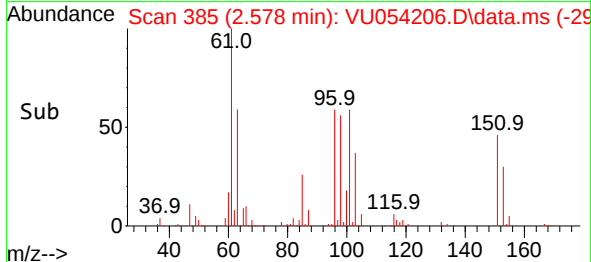
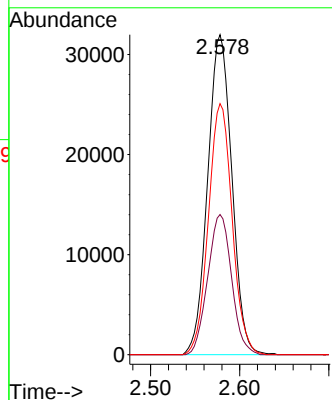
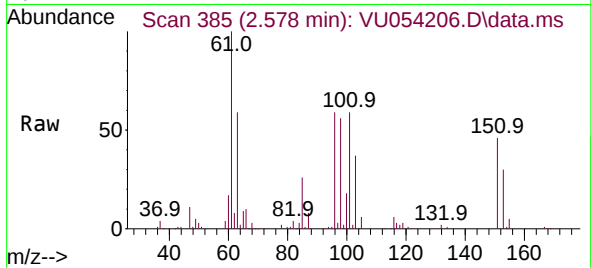




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.745 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU054206.D
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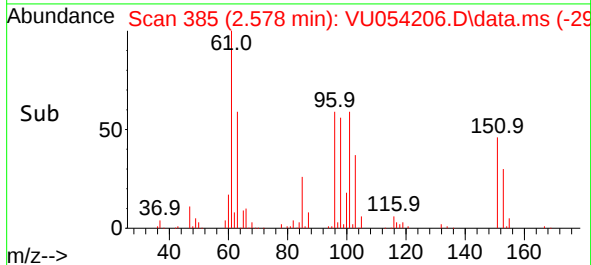
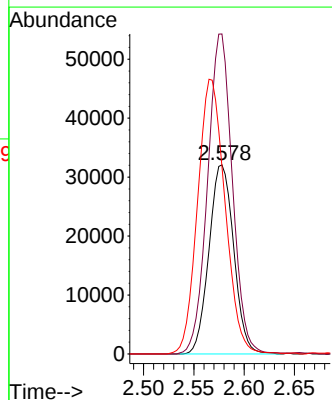
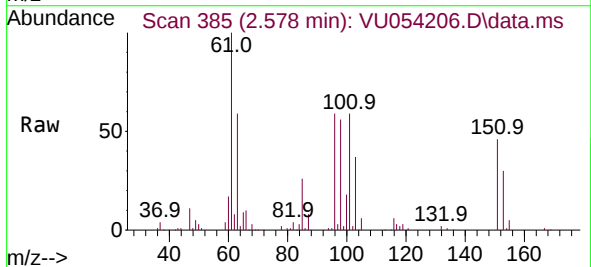
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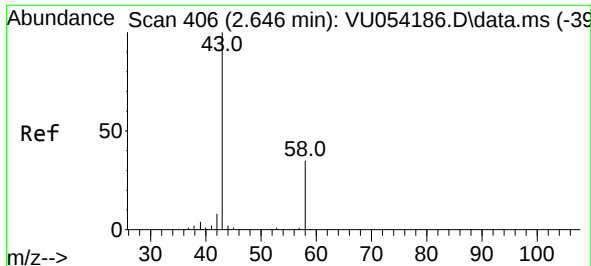
Tgt Ion:101 Resp: 60310
 Ion Ratio Lower Upper
 101 100
 85 43.2 35.0 52.4
 151 76.9 59.0 88.6



#12
 1,1-Dichloroethene
 Concen: 4.834 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU054206.D
 Acq: 19 May 2023 08:34

Tgt Ion: 96 Resp: 54839
 Ion Ratio Lower Upper
 96 100
 61 169.2 114.7 212.9
 63 99.2 68.6 127.4





#13

Acetone

Concen: 36.309 ug/L

RT: 2.642 min Scan# 406

Delta R.T. -0.003 min

Lab File: VU054206.D

Acq: 19 May 2023 08:34

Instrument :

MSVOA_U

ClientSampleId :

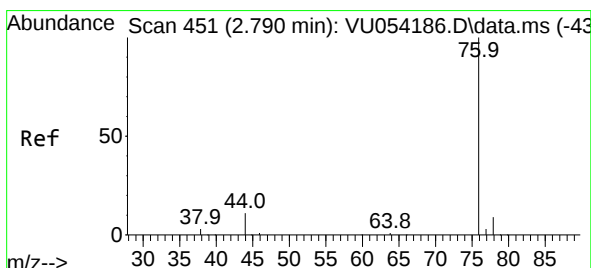
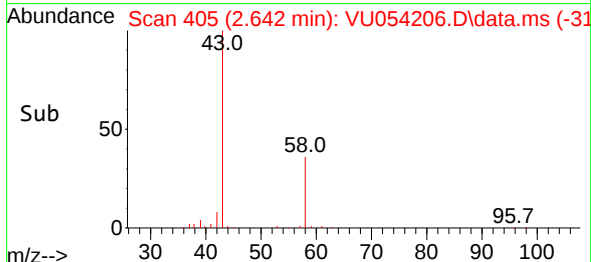
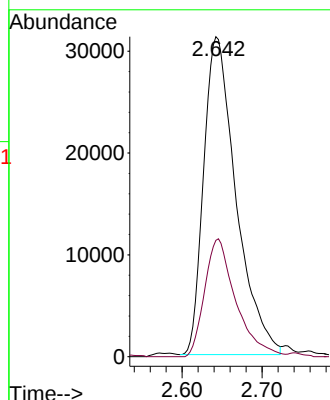
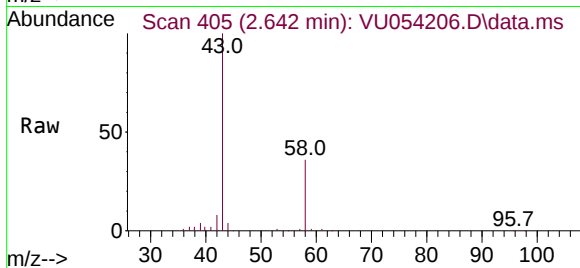
GBWY5MS

Tgt Ion: 43 Resp: 88023

Ion Ratio Lower Upper

43 100

58 35.6 0.0 73.2



#14

Carbon disulfide

Concen: 4.814 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

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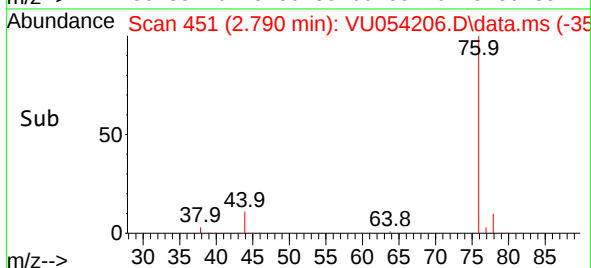
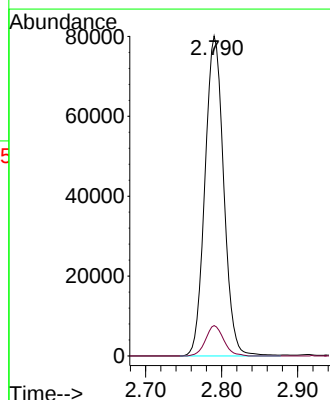
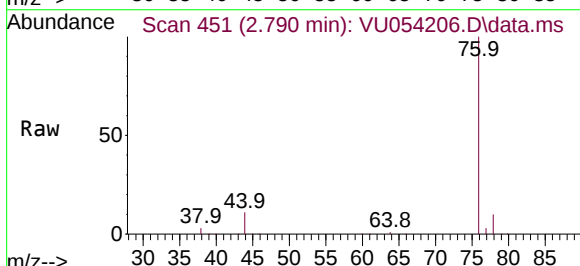
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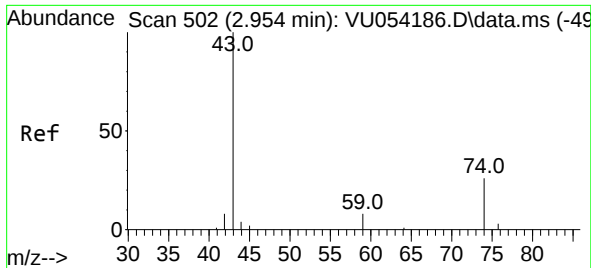
Tgt Ion: 76 Resp: 137194

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

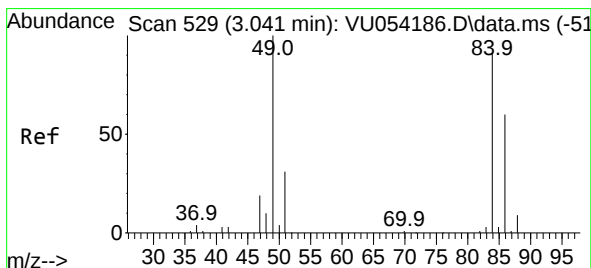
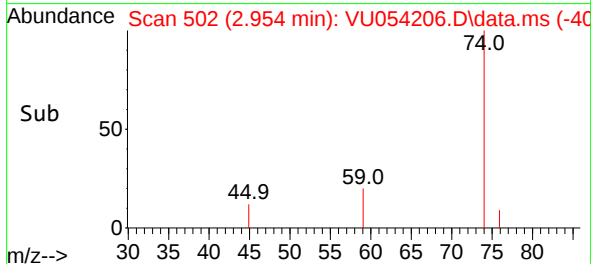
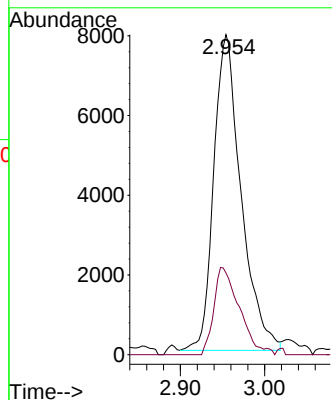
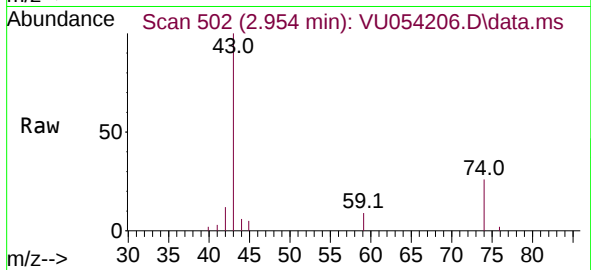




#15
Methyl Acetate
Concen: 4.105 ug/L
RT: 2.954 min Scan# 502
Delta R.T. -0.000 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

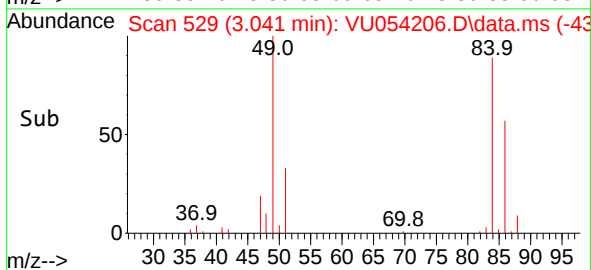
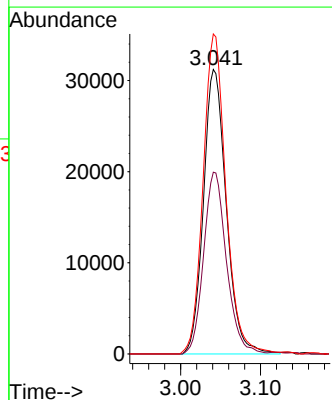
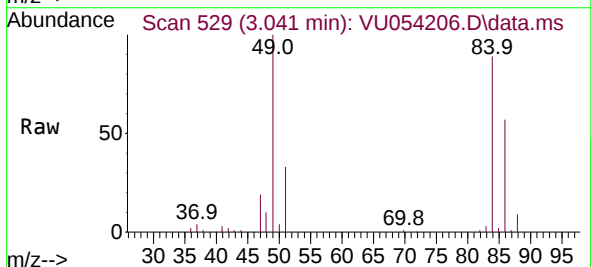
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MS

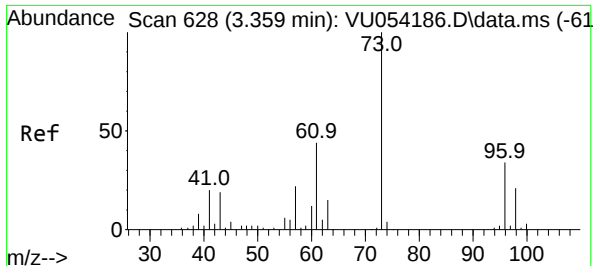
Tgt Ion: 43 Resp: 17840
Ion Ratio Lower Upper
43 100
74 25.7 20.3 30.5



#16
Methylene chloride
Concen: 4.180 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

Tgt Ion: 84 Resp: 62072
Ion Ratio Lower Upper
84 100
86 63.9 45.5 84.5
49 112.5 81.3 150.9





#17

Methyl tert-butyl Ether

Concen: 5.232 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU054206.D

Acq: 19 May 2023 08:34

Instrument :

MSVOA_U

ClientSampleId :

GBWY5MS

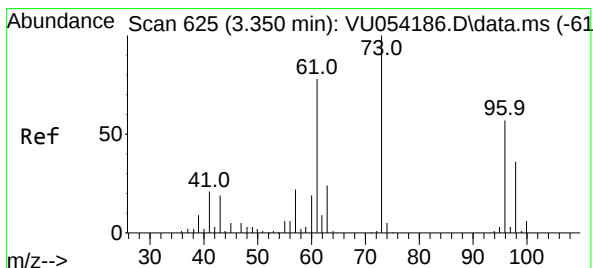
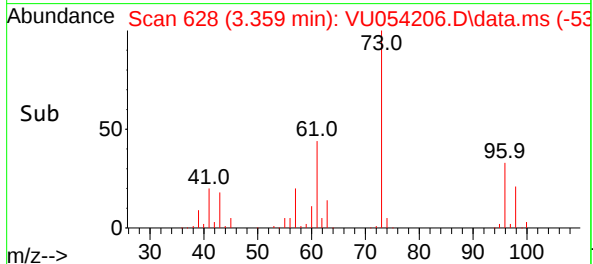
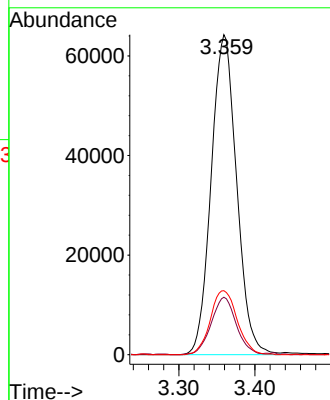
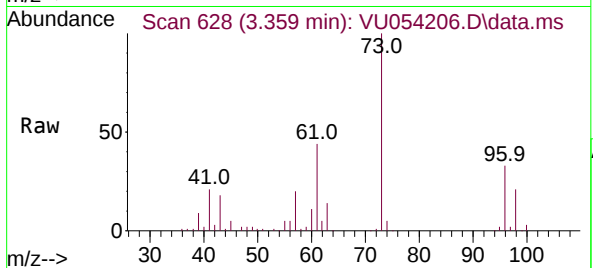
Tgt Ion: 73 Resp: 149436

Ion Ratio Lower Upper

73 100

43 17.7 14.6 22.0

57 21.2 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 4.932 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.000 min

Lab File: VU054206.D

Acq: 19 May 2023 08:34

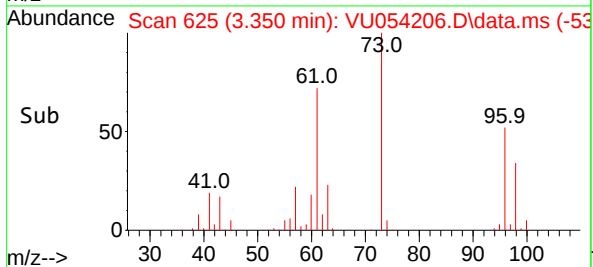
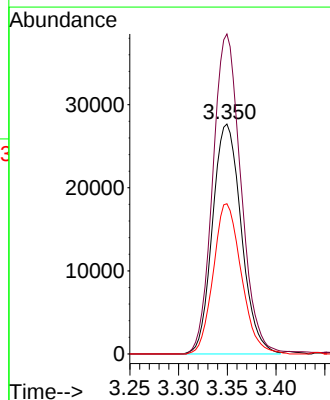
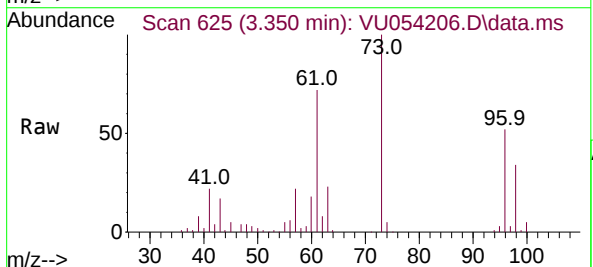
Tgt Ion: 96 Resp: 56912

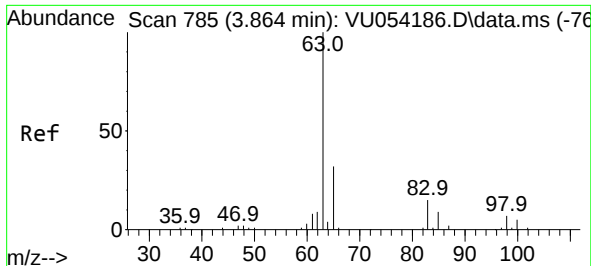
Ion Ratio Lower Upper

96 100

61 139.2 94.1 174.8

98 65.3 45.3 84.1

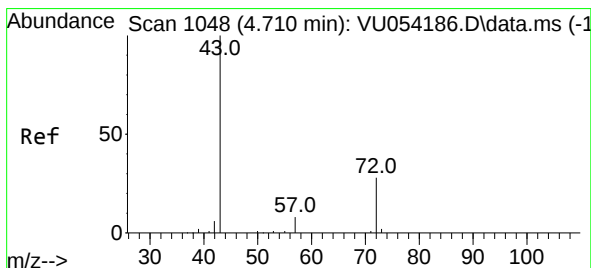
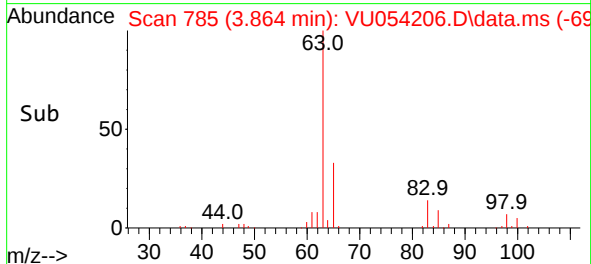
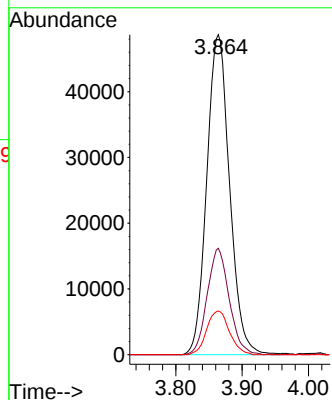
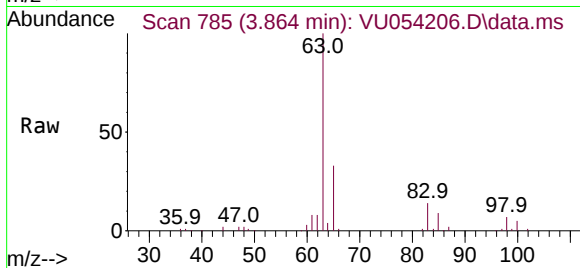




#19
1,1-Dichloroethane
Concen: 5.041 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

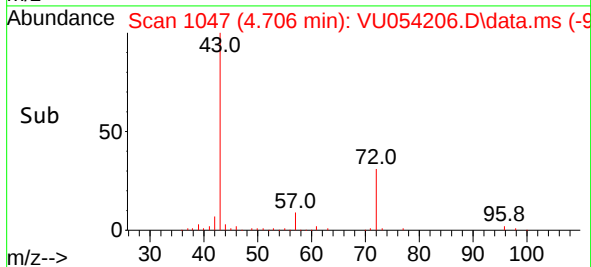
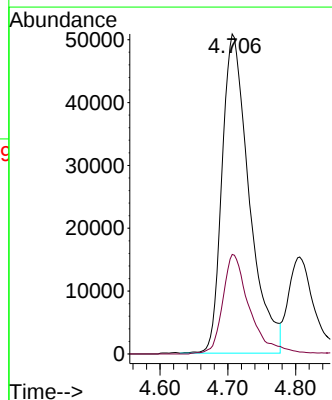
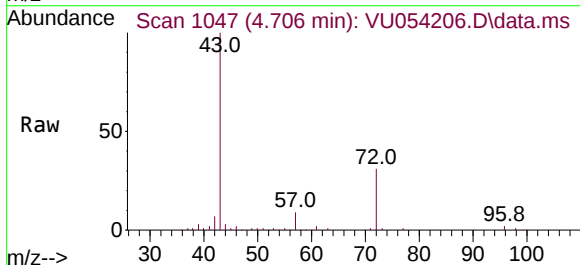
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MS

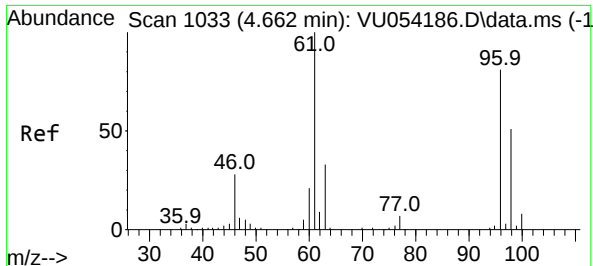
Tgt Ion: 63 Resp: 116470
Ion Ratio Lower Upper
63 100
65 33.3 20.7 38.5
83 13.6 10.1 18.7



#21
2-Butanone
Concen: 43.937 ug/L
RT: 4.706 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

Tgt Ion: 43 Resp: 141088
Ion Ratio Lower Upper
43 100
72 31.1 14.2 42.8

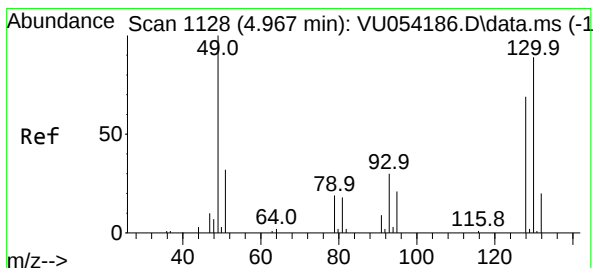
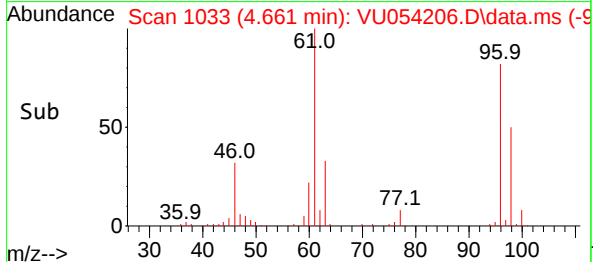
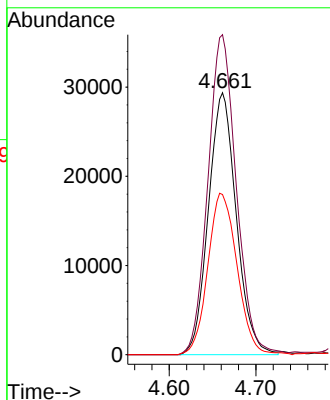
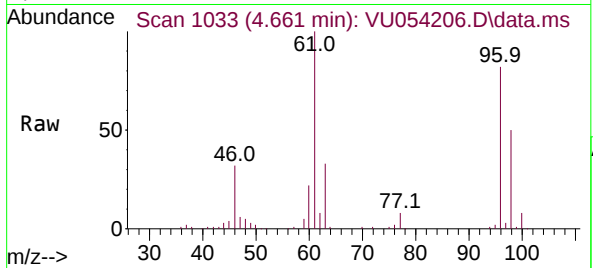




#22
 cis-1,2-Dichloroethene
 Concen: 4.874 ug/L
 RT: 4.661 min Scan# 1033
 Delta R.T. -0.000 min
 Lab File: VU054206.D
 Acq: 19 May 2023 08:34

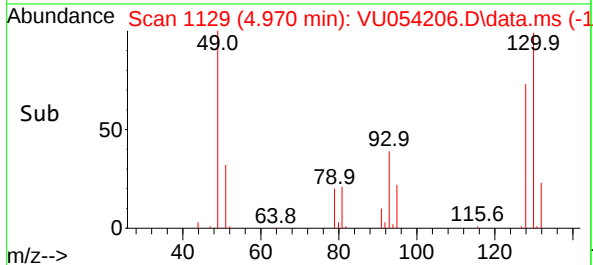
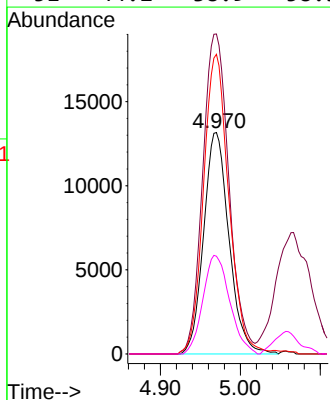
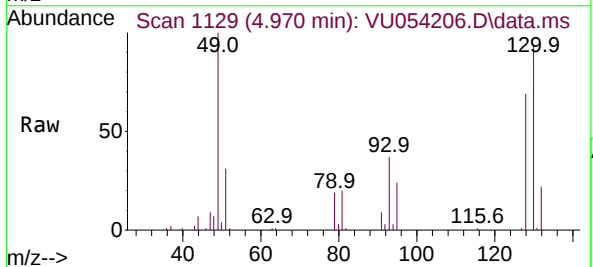
Instrument :
 MSVOA_U
 ClientSampleId :
 GBWY5MS

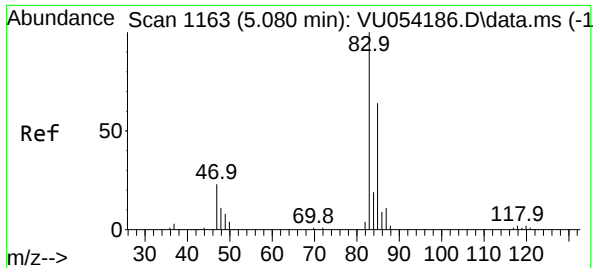
Tgt Ion: 96 Resp: 65763
 Ion Ratio Lower Upper
 96 100
 61 122.2 85.0 157.8
 98 61.1 45.8 85.0



#23
 Bromochloromethane
 Concen: 4.929 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. 0.003 min
 Lab File: VU054206.D
 Acq: 19 May 2023 08:34

Tgt Ion:128 Resp: 29050
 Ion Ratio Lower Upper
 128 100
 49 144.5 100.9 187.3
 130 135.3 93.2 173.0
 51 44.2 38.9 58.3





#25

Chloroform

Concen: 4.882 ug/L

RT: 5.083 min Scan# 1163

Delta R.T. 0.003 min

Lab File: VU054206.D

Acq: 19 May 2023 08:34

Instrument :

MSVOA_U

ClientSampleId :

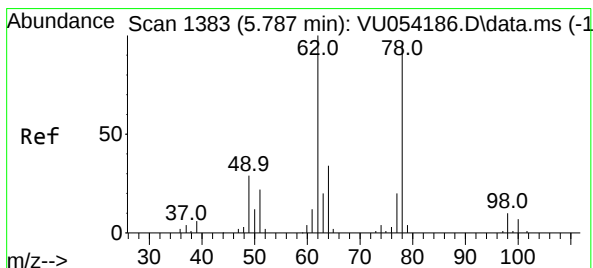
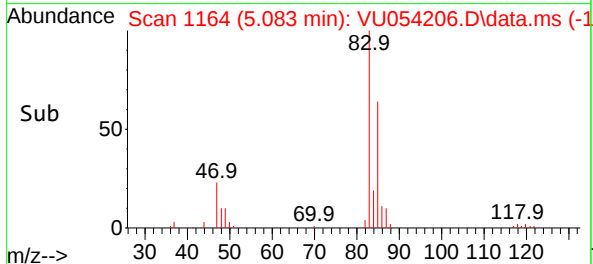
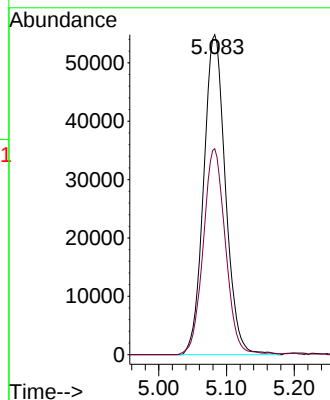
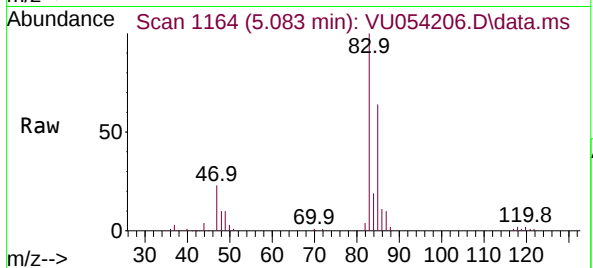
GBWY5MS

Tgt Ion: 83 Resp: 122345

Ion Ratio Lower Upper

83 100

85 64.4 46.8 87.0



#27

1,2-Dichloroethane

Concen: 4.885 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VU054206.D

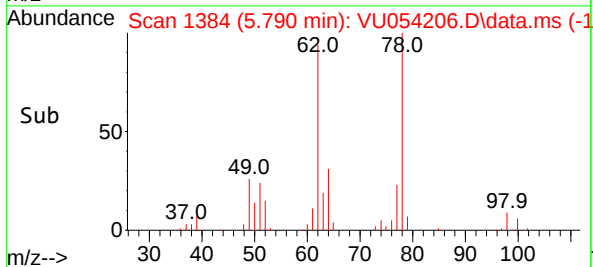
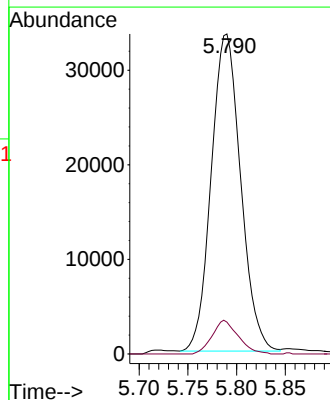
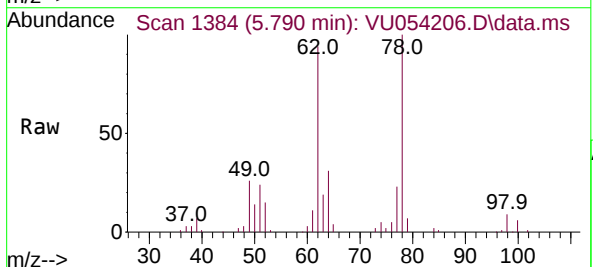
Acq: 19 May 2023 08:34

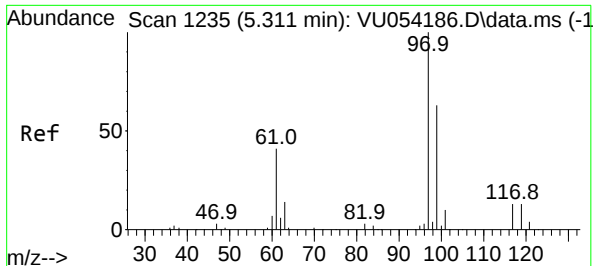
Tgt Ion: 62 Resp: 70393

Ion Ratio Lower Upper

62 100

98 10.0 7.6 11.4

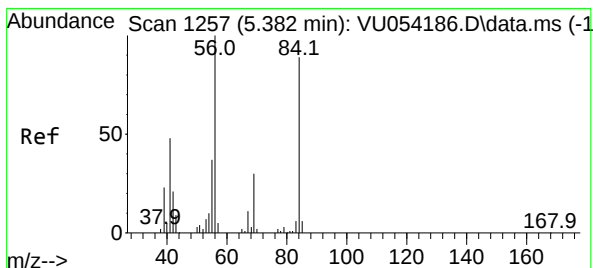
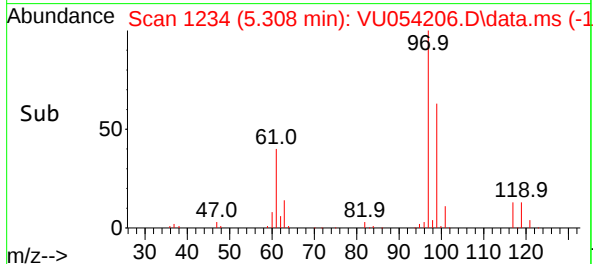
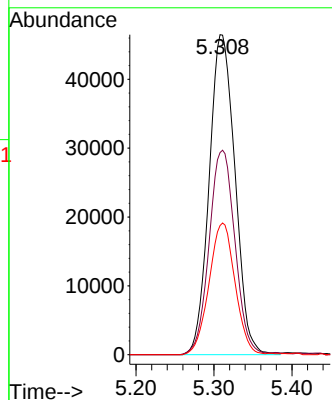
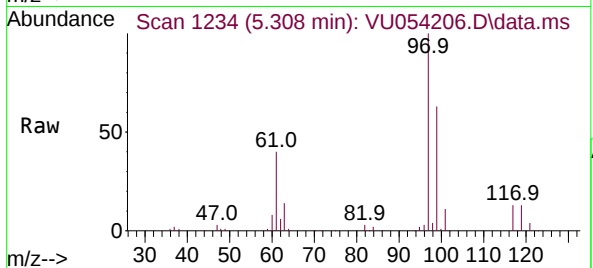




#29
1,1,1-Trichloroethane
Concen: 4.854 ug/L
RT: 5.308 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

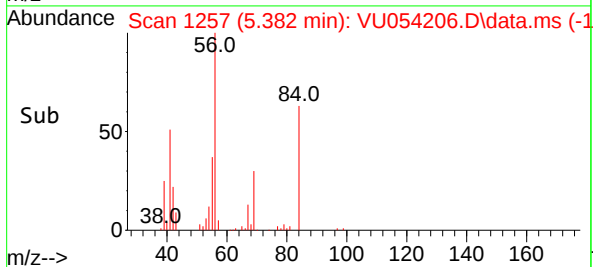
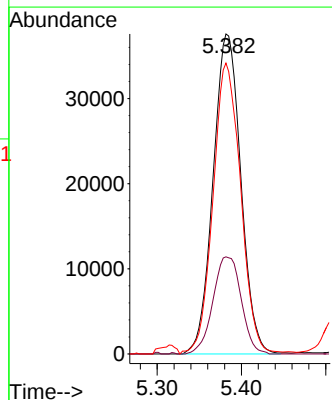
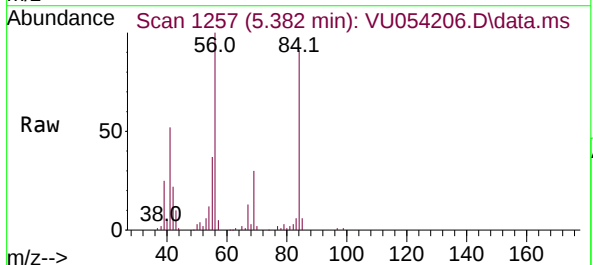
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MS

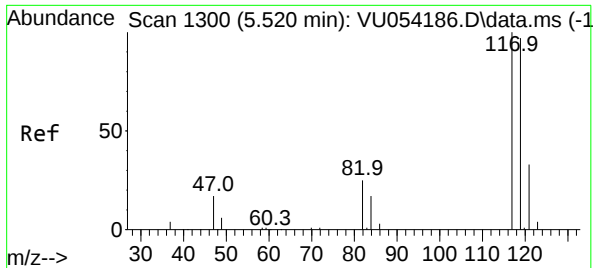
Tgt Ion: 97 Resp: 107145
Ion Ratio Lower Upper
97 100
99 63.9 51.8 77.6
61 41.4 33.4 50.2



#30
Cyclohexane
Concen: 4.775 ug/L
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

Tgt Ion: 56 Resp: 85794
Ion Ratio Lower Upper
56 100
69 30.9 26.2 39.4
84 90.6 74.2 111.4

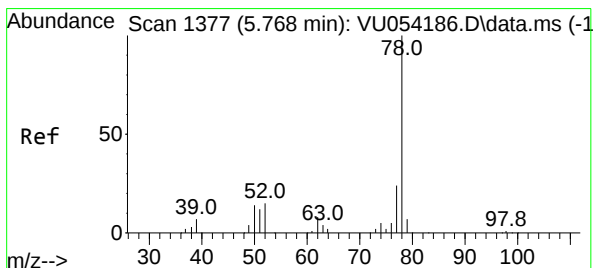
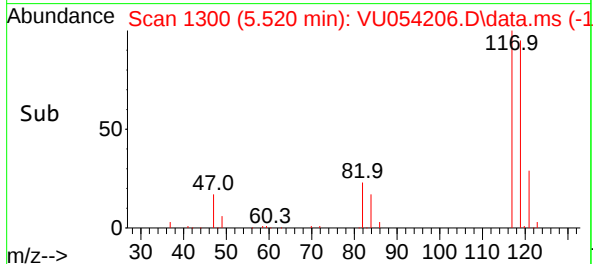
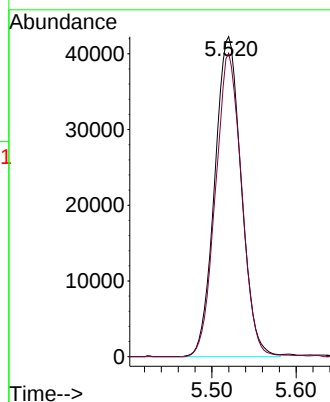
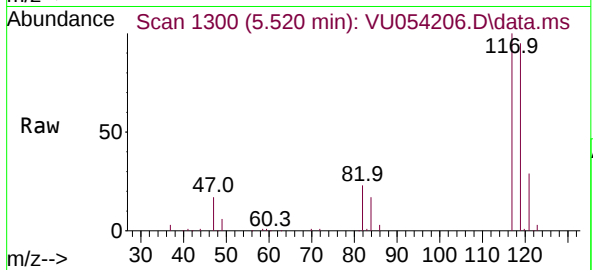




#31
Carbon tetrachloride
Concen: 4.823 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

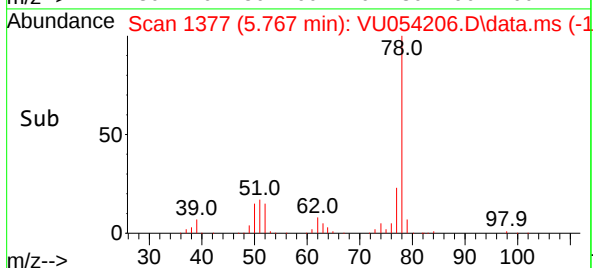
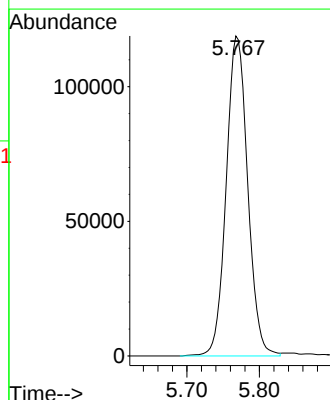
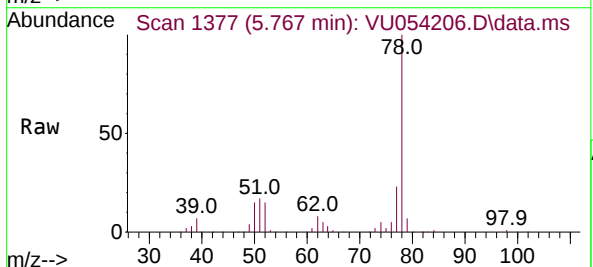
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MS

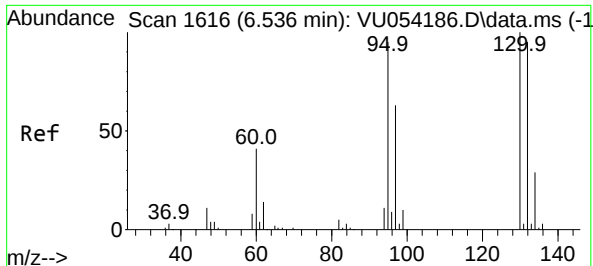
Tgt Ion:117 Resp: 92324
Ion Ratio Lower Upper
117 100
119 93.6 76.6 114.8



#33
Benzene
Concen: 4.906 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

Tgt Ion: 78 Resp: 244841





#34

Trichloroethene

Concen: 4.948 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054206.D

Acq: 19 May 2023 08:34

Instrument :

MSVOA_U

ClientSampleId :

GBWY5MS

Tgt Ion: 95 Resp: 66412

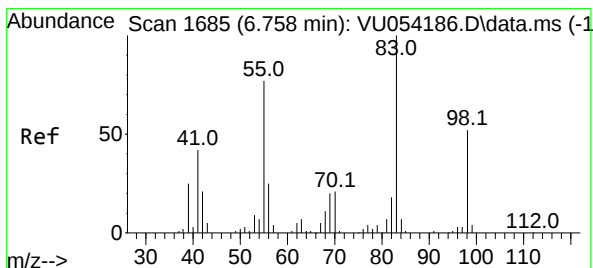
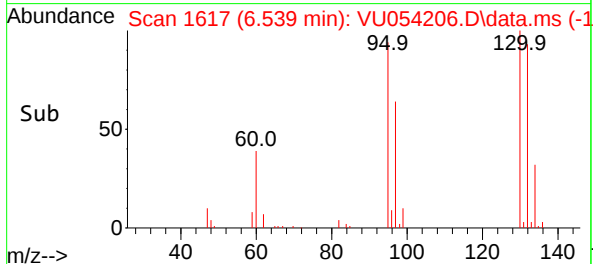
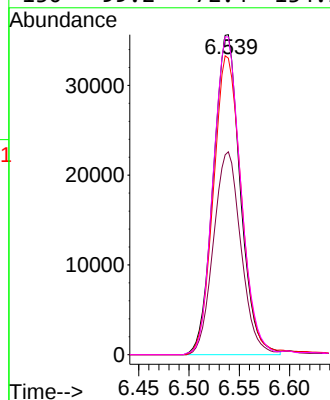
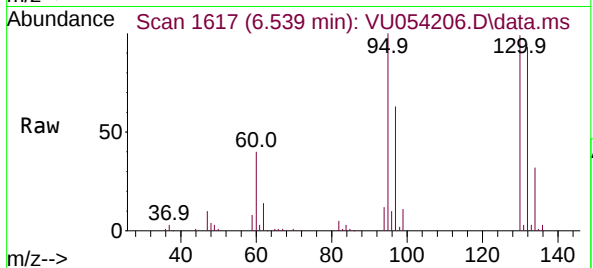
Ion Ratio Lower Upper

95 100

97 63.4 45.8 85.0

132 92.6 70.1 130.3

130 99.2 72.4 134.5



#35

Methylcyclohexane

Concen: 4.531 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VU054206.D

Acq: 19 May 2023 08:34

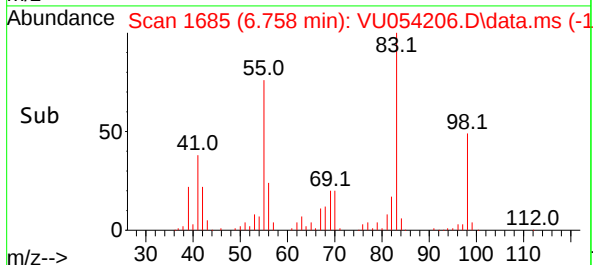
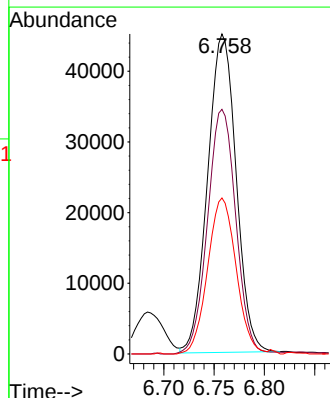
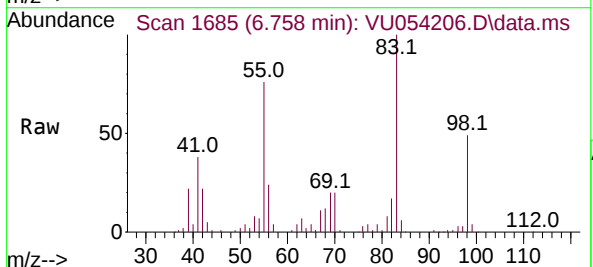
Tgt Ion: 83 Resp: 88936

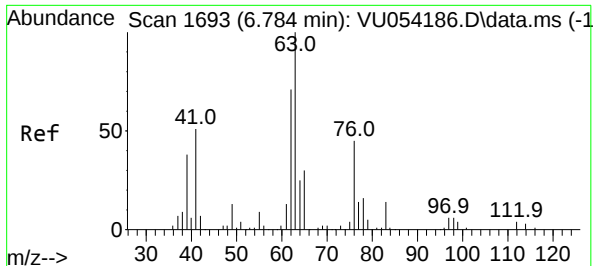
Ion Ratio Lower Upper

83 100

55 76.5 61.6 92.4

98 48.9 41.3 61.9





#37

1,2-Dichloropropane

Concen: 4.972 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054206.D

Acq: 19 May 2023 08:34

Instrument :

MSVOA_U

ClientSampleId :

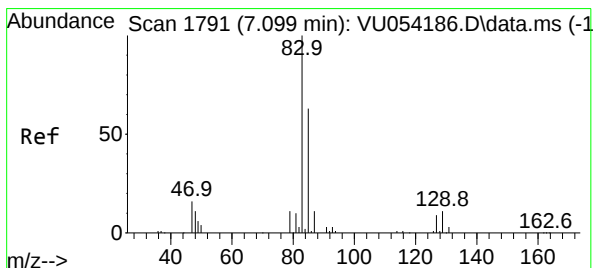
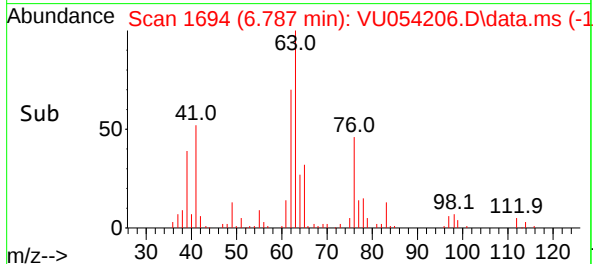
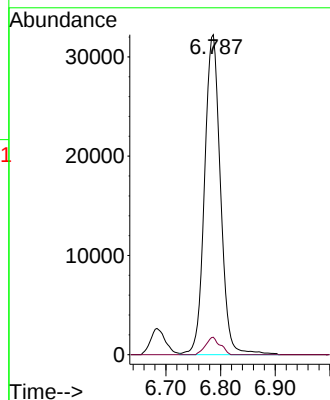
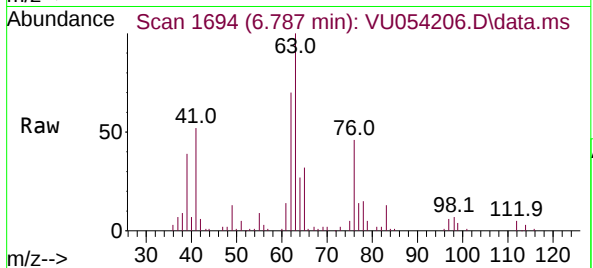
GBWY5MS

Tgt Ion: 63 Resp: 65163

Ion Ratio Lower Upper

63 100

112 5.0 3.3 4.9#



#38

Bromodichloromethane

Concen: 4.957 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VU054206.D

Acq: 19 May 2023 08:34

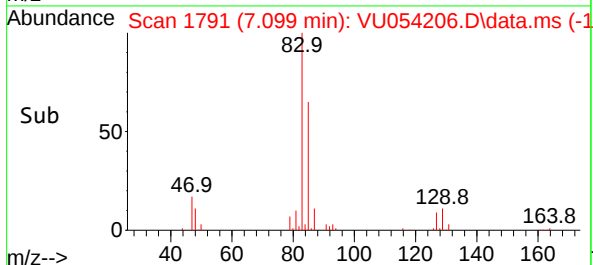
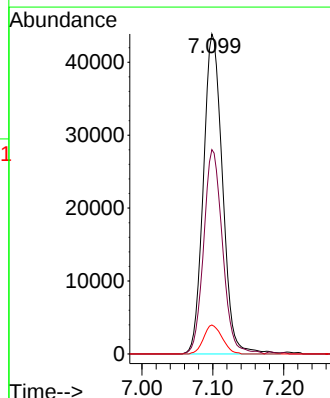
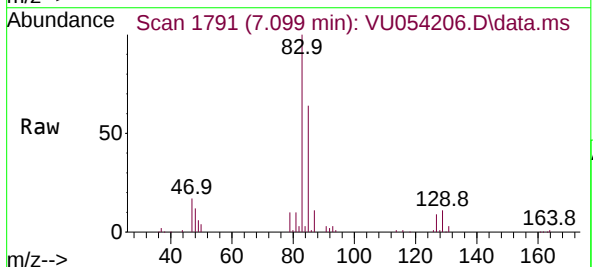
Tgt Ion: 83 Resp: 82254

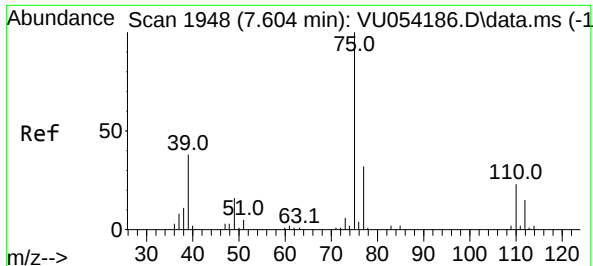
Ion Ratio Lower Upper

83 100

85 63.8 44.2 82.0

127 9.0 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.687 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU054206.D

Acq: 19 May 2023 08:34

Instrument :

MSVOA_U

ClientSampleId :

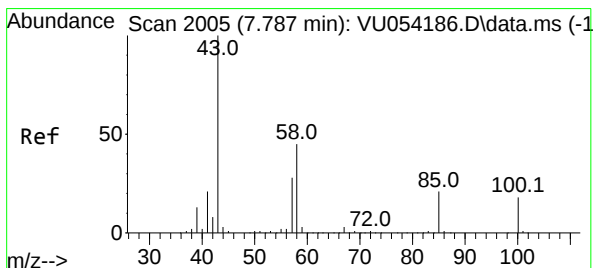
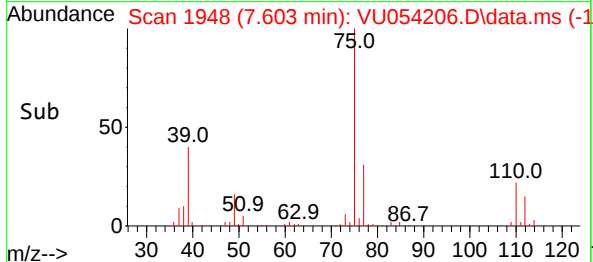
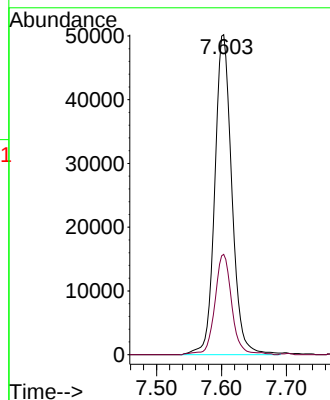
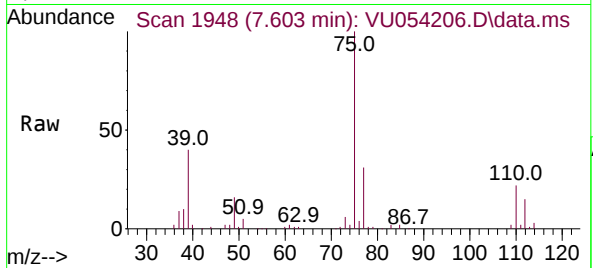
GBWY5MS

Tgt Ion: 75 Resp: 91508

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 51.223 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VU054206.D

Acq: 19 May 2023 08:34

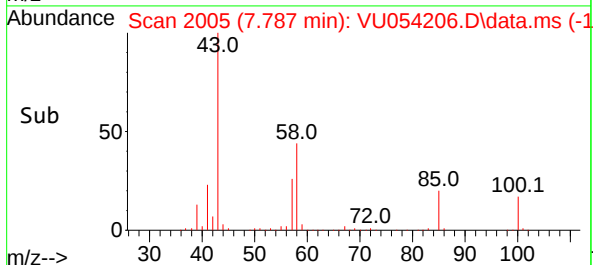
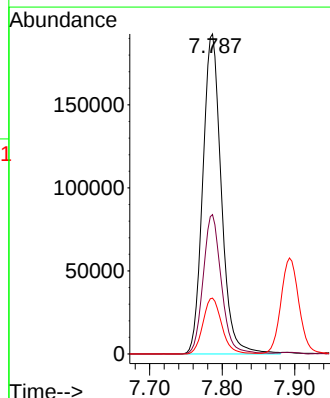
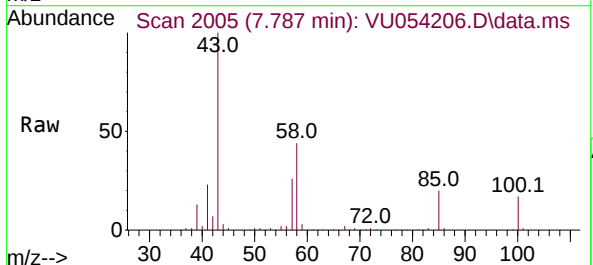
Tgt Ion: 43 Resp: 341706

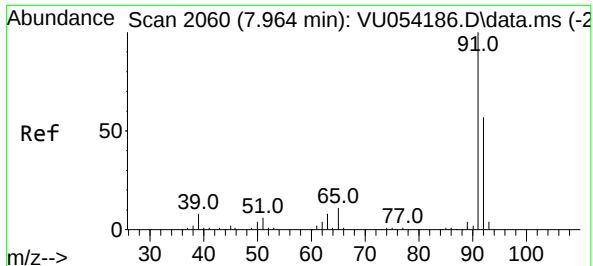
Ion Ratio Lower Upper

43 100

58 43.0 34.8 52.2

100 17.7 14.1 21.1





#42

Toluene

Concen: 5.086 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU054206.D

Acq: 19 May 2023 08:34

Instrument :

MSVOA_U

ClientSampleId :

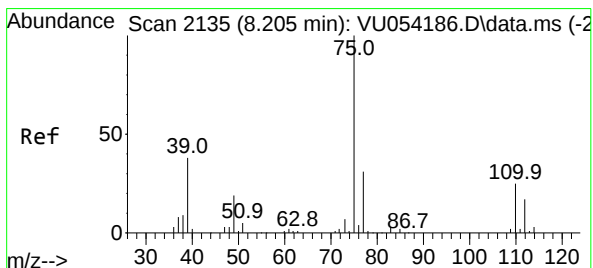
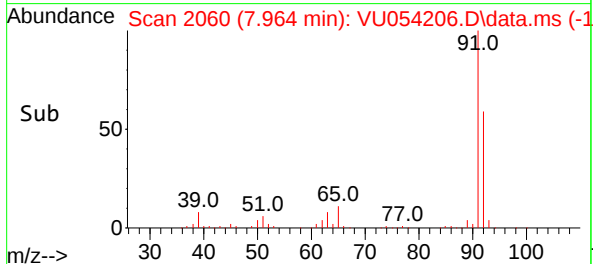
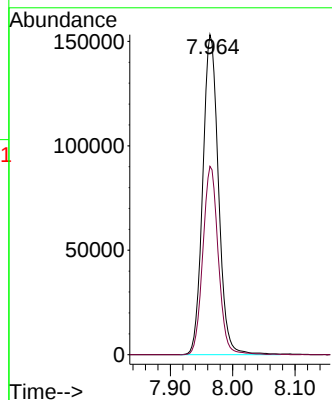
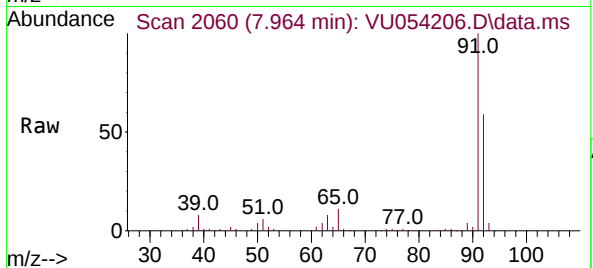
GBWY5MS

Tgt Ion: 91 Resp: 268233

Ion Ratio Lower Upper

91 100

92 58.8 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 4.646 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU054206.D

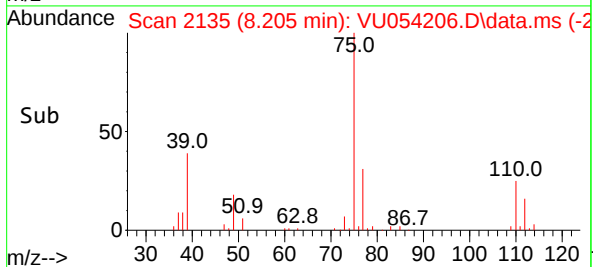
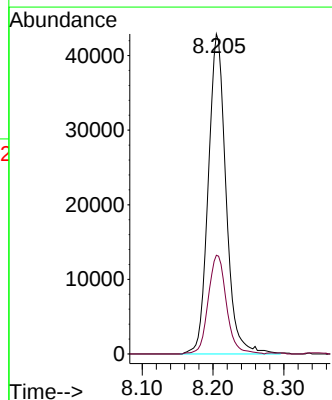
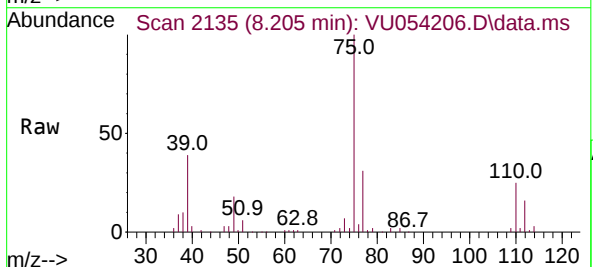
Acq: 19 May 2023 08:34

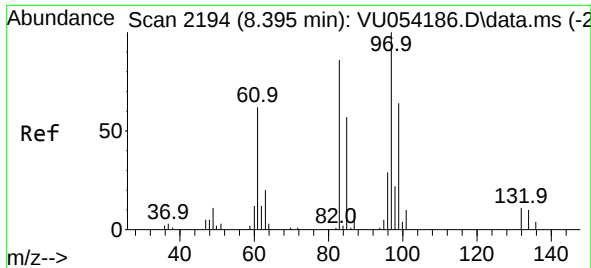
Tgt Ion: 75 Resp: 74464

Ion Ratio Lower Upper

75 100

77 30.9 20.8 38.6

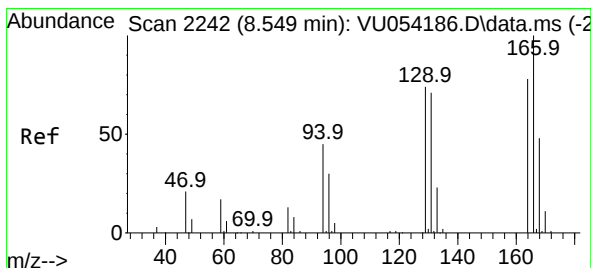
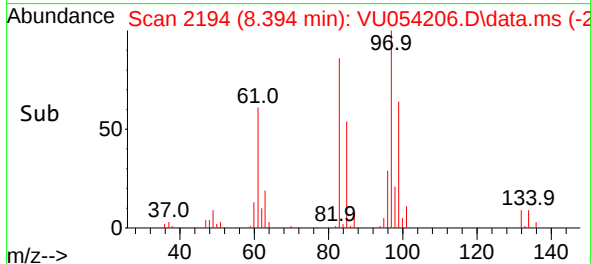
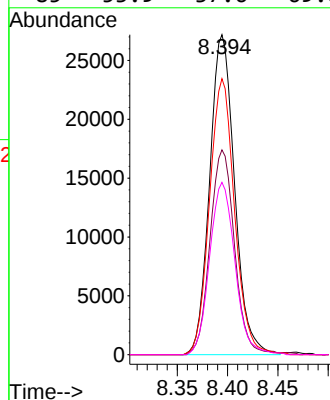
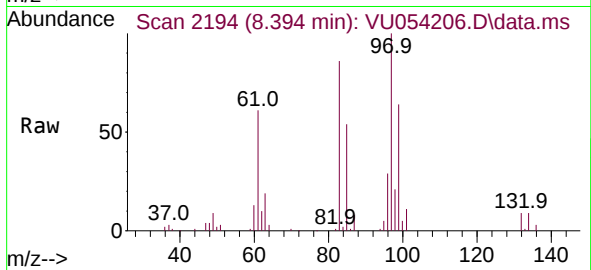




#45
1,1,2-Trichloroethane
Concen: 4.967 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

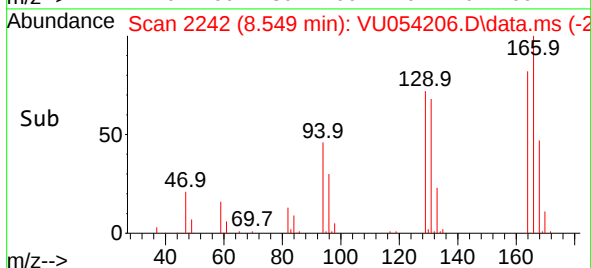
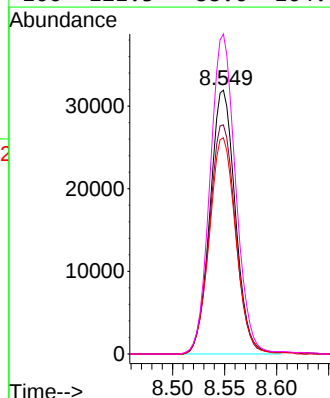
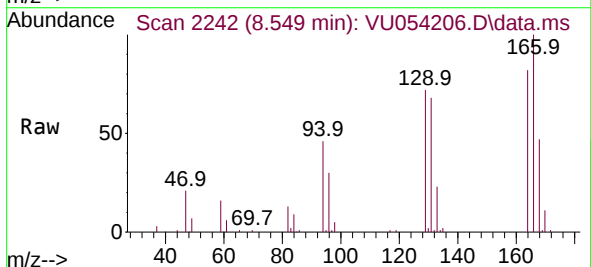
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MS

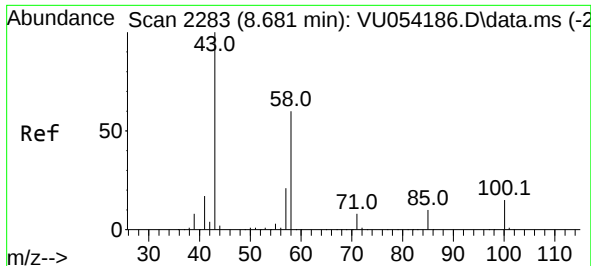
Tgt Ion:	97	Resp:	46913
Ion	Ratio	Lower	Upper
97	100		
99	64.0	43.0	79.8
83	86.3	59.1	109.9
85	53.9	37.6	69.8



#47
Tetrachloroethene
Concen: 4.904 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

Tgt Ion:	164	Resp:	54097
Ion	Ratio	Lower	Upper
164	100		
129	86.8	63.3	117.7
131	81.9	61.0	113.4
166	121.3	88.6	164.6

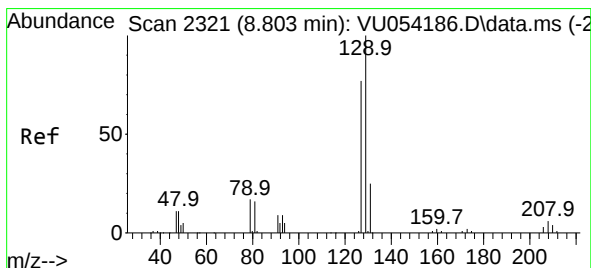
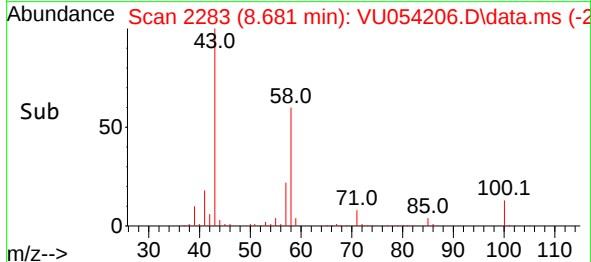
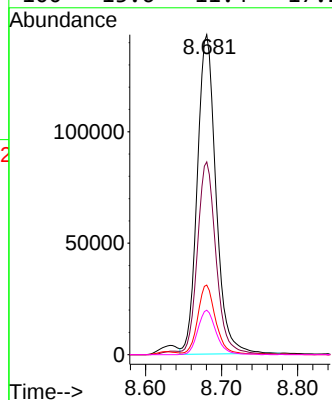
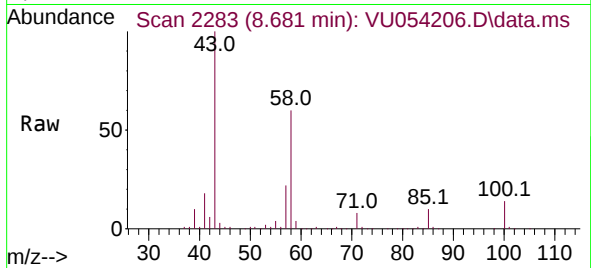




#48
2-Hexanone
Concen: 48.391 ug/L
RT: 8.681 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

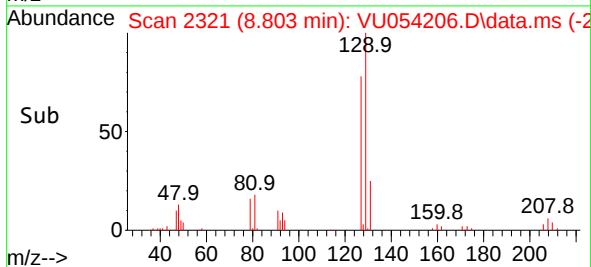
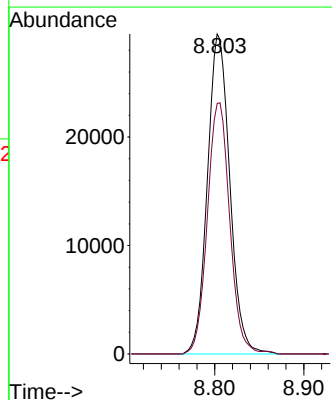
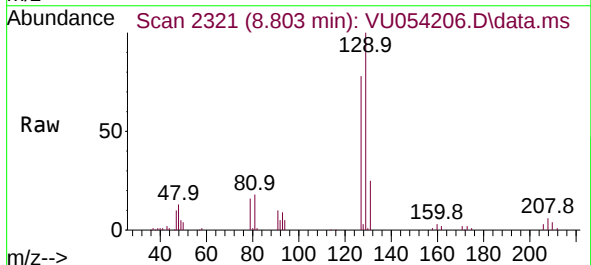
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MS

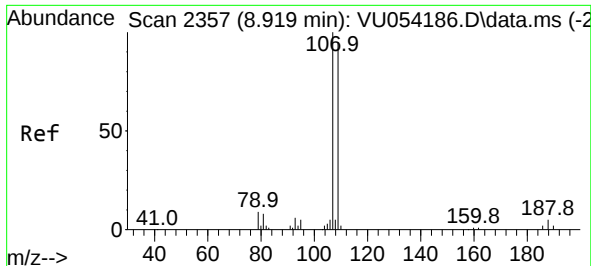
Tgt Ion:	43	Resp:	244076
Ion	Ratio	Lower	Upper
43	100		
58	60.3	48.6	72.8
57	20.5	16.7	25.1
100	13.6	11.4	17.2



#49
Dibromochloromethane
Concen: 4.881 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.000 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

Tgt Ion:	129	Resp:	51463
Ion	Ratio	Lower	Upper
129	100		
127	78.3	53.6	99.6

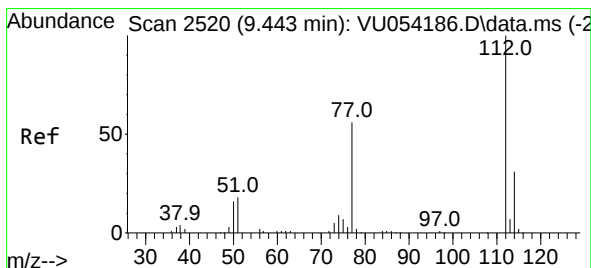
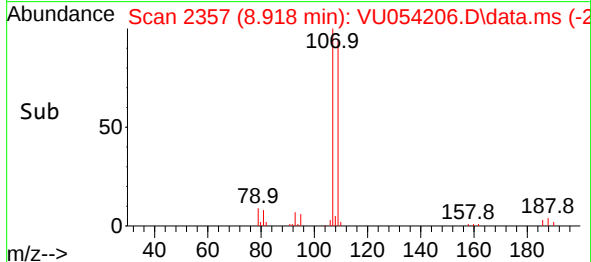
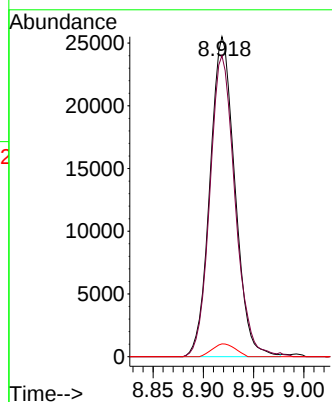
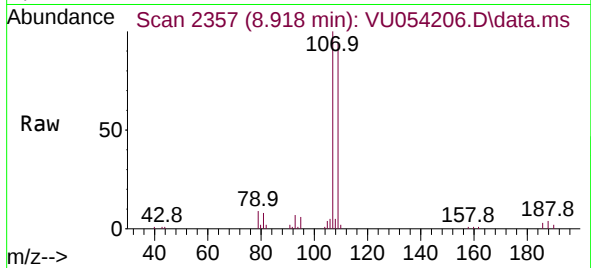




#50
1,2-Dibromoethane
Concen: 5.071 ug/L
RT: 8.918 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

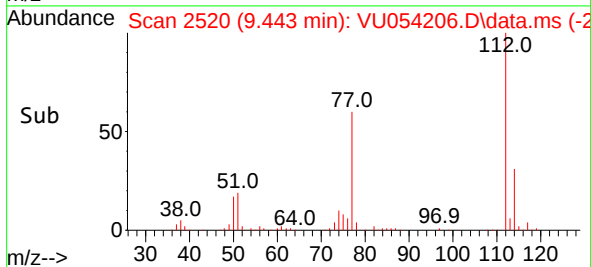
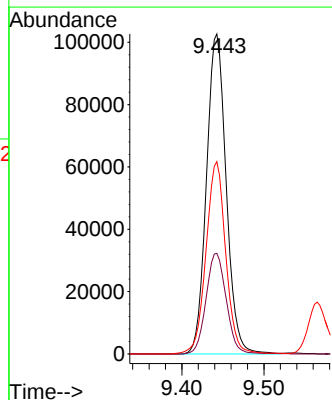
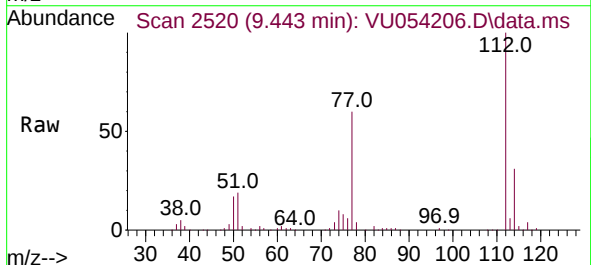
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MS

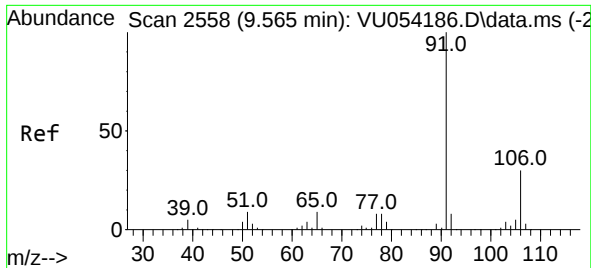
Tgt Ion:107 Resp: 44016
Ion Ratio Lower Upper
107 100
109 94.0 66.4 123.2
188 4.0 3.8 5.6



#51
Chlorobenzene
Concen: 4.816 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

Tgt Ion:112 Resp: 171741
Ion Ratio Lower Upper
112 100
114 31.5 22.4 41.6
77 60.1 46.1 69.1

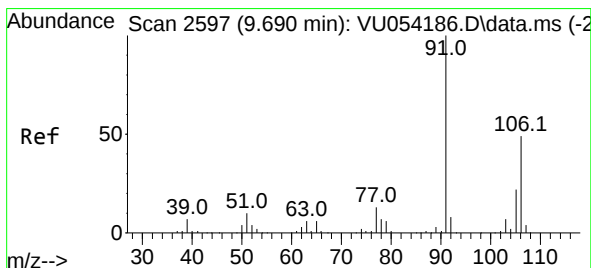
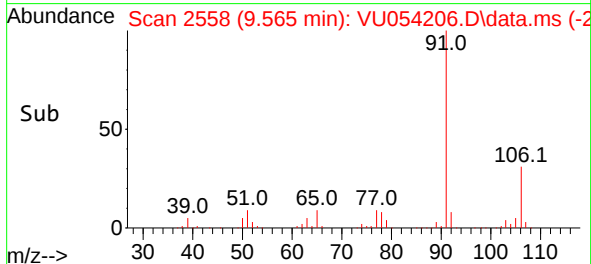
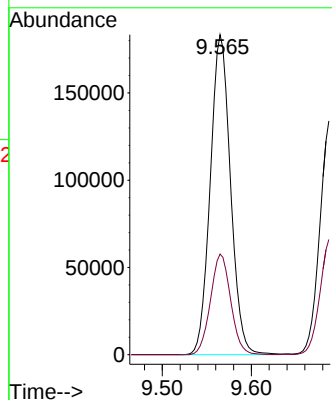
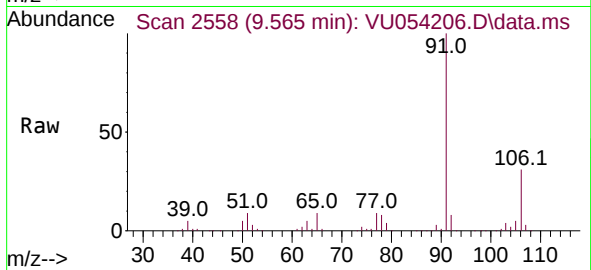




#52
Ethylbenzene
Concen: 4.923 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

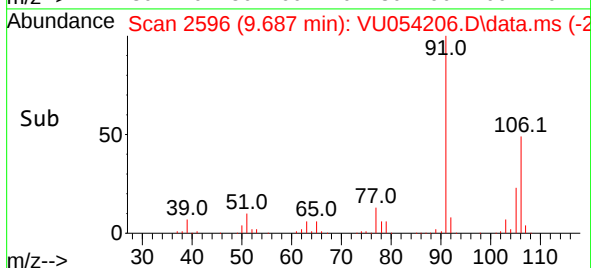
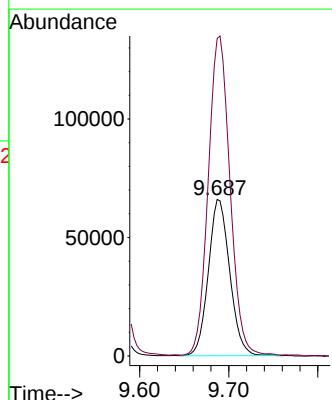
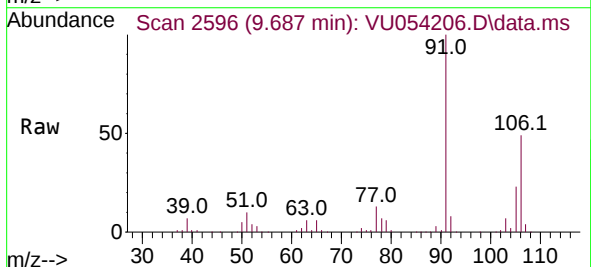
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MS

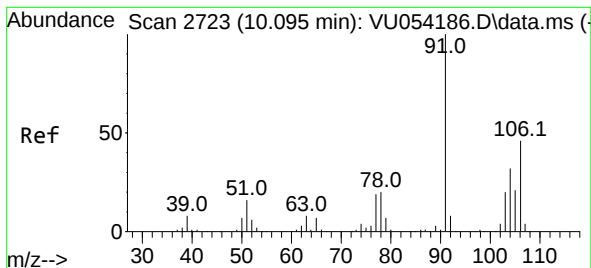
Tgt Ion: 91 Resp: 289305
Ion Ratio Lower Upper
91 100
106 31.5 21.3 39.5



#53
m,p-Xylene
Concen: 4.925 ug/L
RT: 9.687 min Scan# 2596
Delta R.T. -0.003 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

Tgt Ion: 106 Resp: 109941
Ion Ratio Lower Upper
106 100
91 202.9 146.3 271.7





#54

o-Xylene

Concen: 5.013 ug/L

RT: 10.095 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054206.D

Acq: 19 May 2023 08:34

Instrument :

MSVOA_U

ClientSampleId :

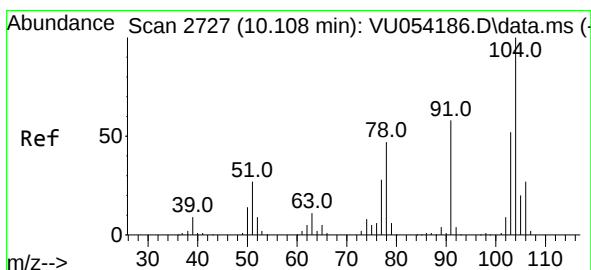
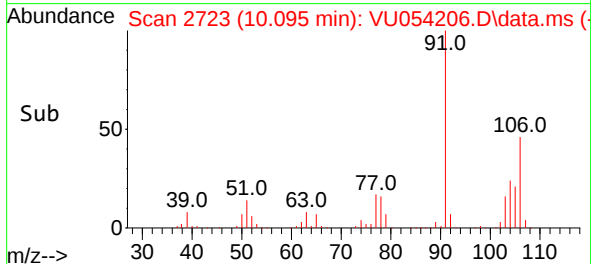
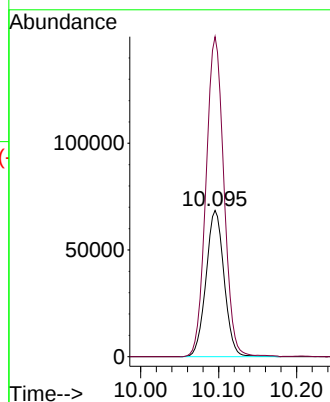
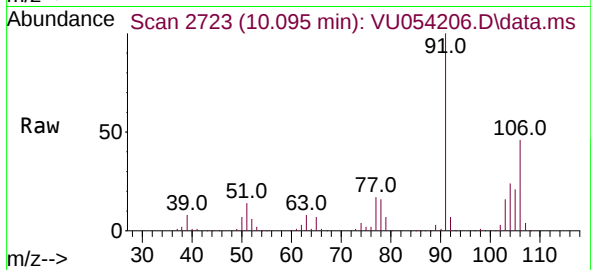
GBWY5MS

Tgt Ion:106 Resp: 110513

Ion Ratio Lower Upper

106 100

91 218.8 153.6 285.3



#55

Styrene

Concen: 4.026 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.000 min

Lab File: VU054206.D

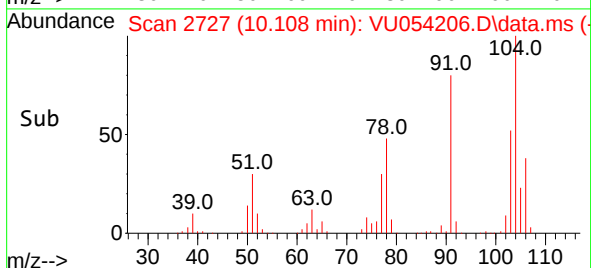
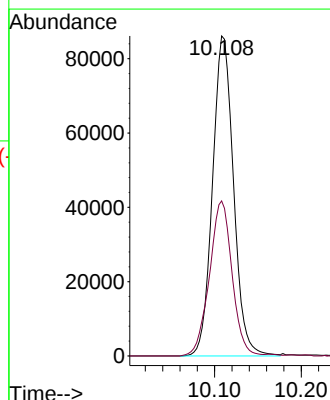
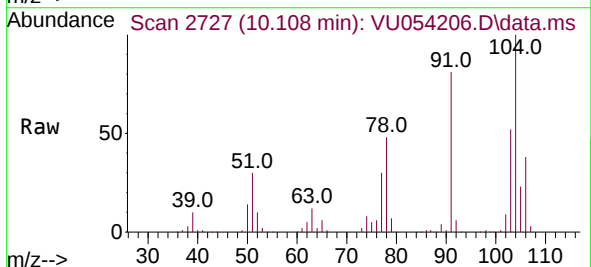
Acq: 19 May 2023 08:34

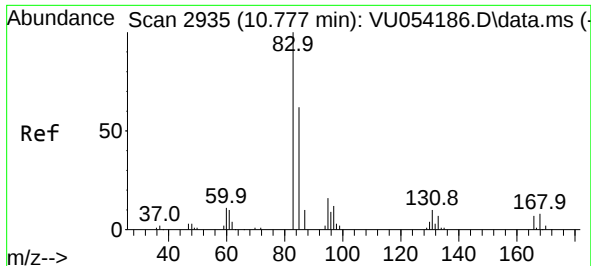
Tgt Ion:104 Resp: 145122

Ion Ratio Lower Upper

104 100

78 48.5 33.1 61.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.254 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU054206.D

Acq: 19 May 2023 08:34

Instrument :

MSVOA_U

ClientSampleId :

GBWY5MS

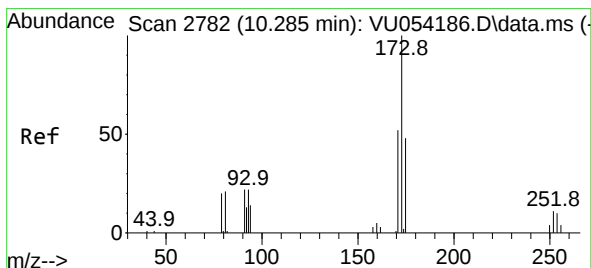
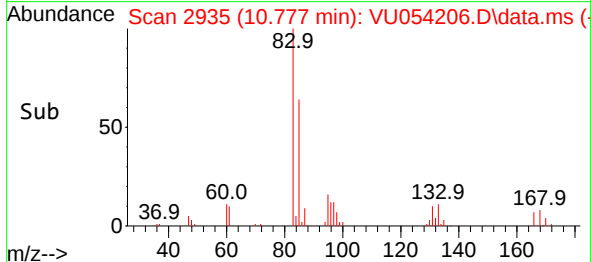
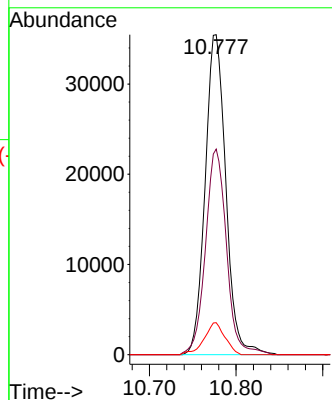
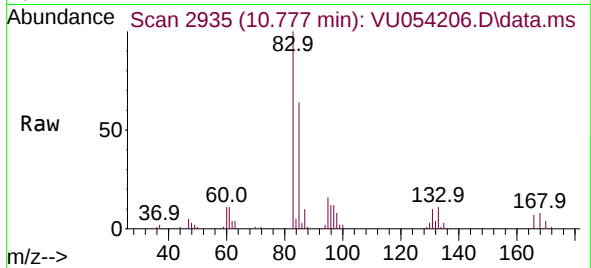
Tgt Ion: 83 Resp: 58928

Ion Ratio Lower Upper

83 100

85 64.3 44.8 83.2

131 10.0 8.1 12.1



#59

Bromoform

Concen: 4.989 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.000 min

Lab File: VU054206.D

Acq: 19 May 2023 08:34

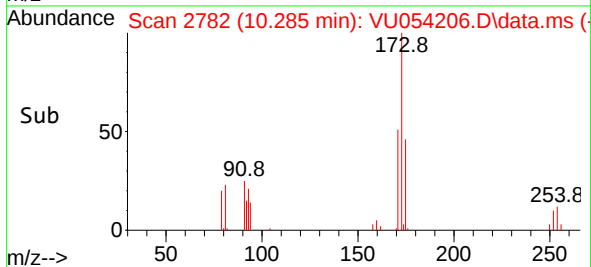
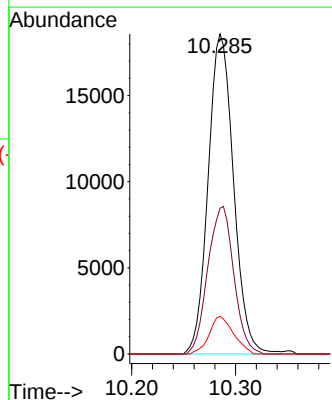
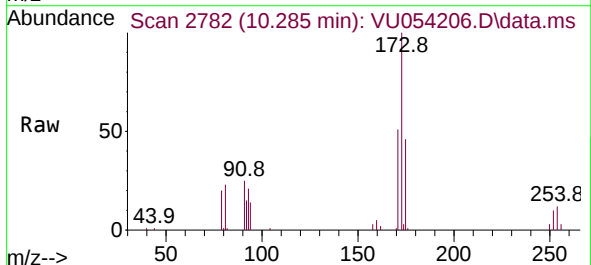
Tgt Ion:173 Resp: 31531

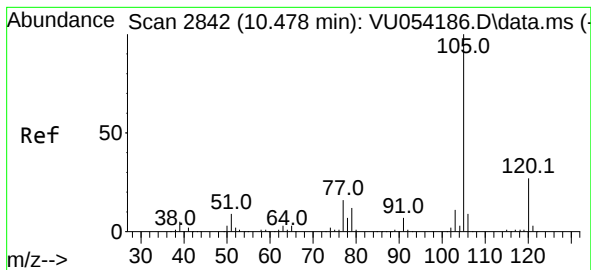
Ion Ratio Lower Upper

173 100

175 47.1 38.6 58.0

254 11.2 7.9 11.9





#60

Isopropylbenzene

Concen: 4.915 ug/L

RT: 10.478 min Scan# 2842

Delta R.T. -0.000 min

Lab File: VU054206.D

Acq: 19 May 2023 08:34

Instrument :

MSVOA_U

ClientSampleId :

GBWY5MS

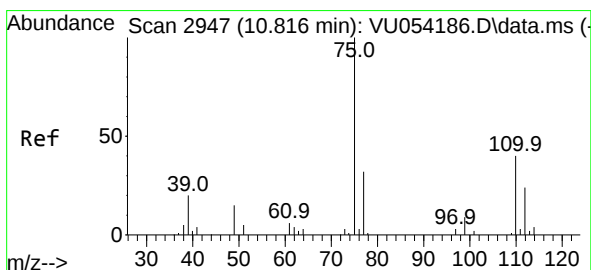
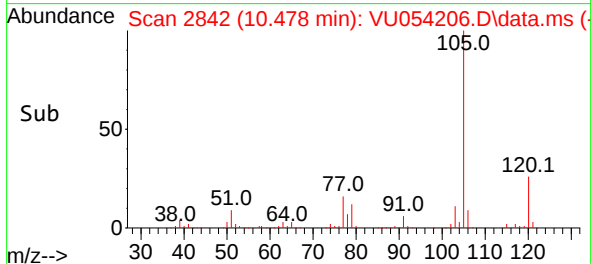
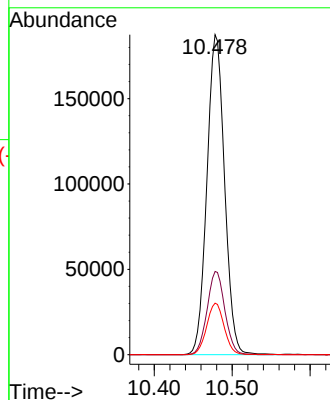
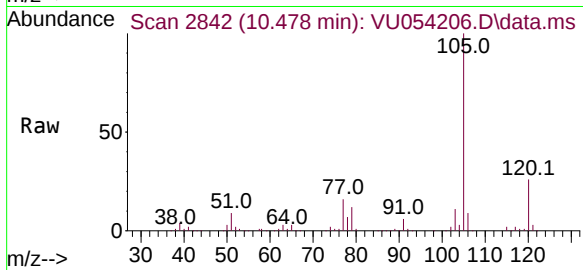
Tgt Ion:105 Resp: 294749

Ion Ratio Lower Upper

105 100

120 26.2 21.3 31.9

77 16.0 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 5.082 ug/L

RT: 10.816 min Scan# 2947

Delta R.T. -0.000 min

Lab File: VU054206.D

Acq: 19 May 2023 08:34

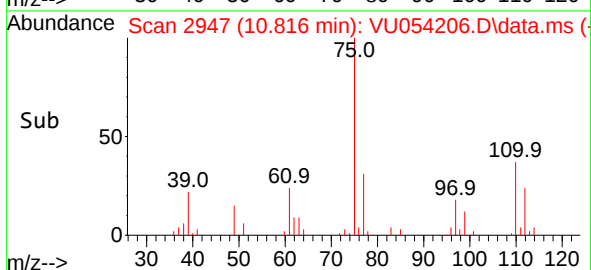
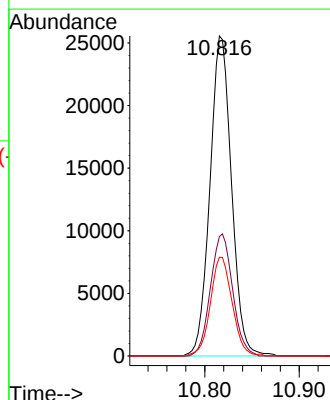
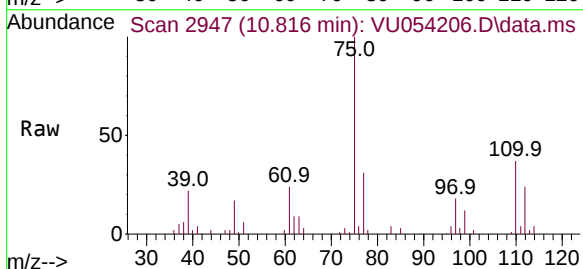
Tgt Ion: 75 Resp: 40492

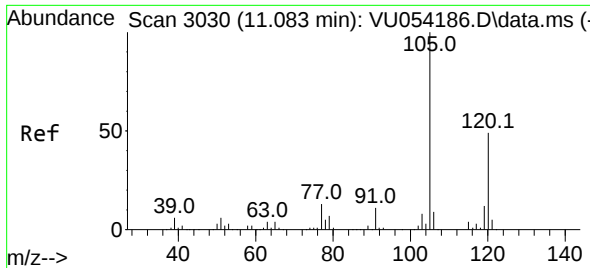
Ion Ratio Lower Upper

75 100

110 39.2 32.3 48.5

77 31.1 26.3 39.5

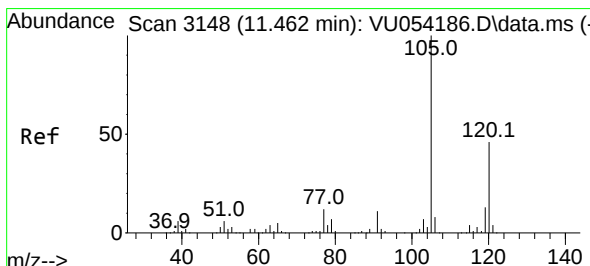
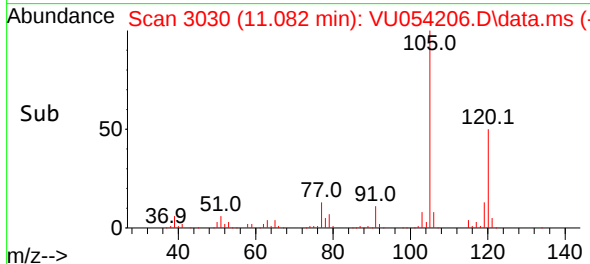
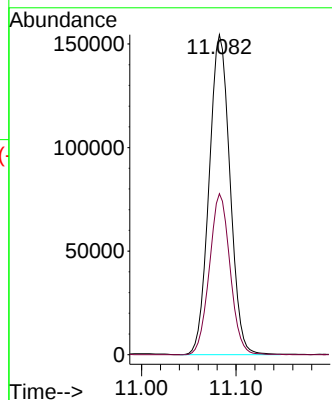
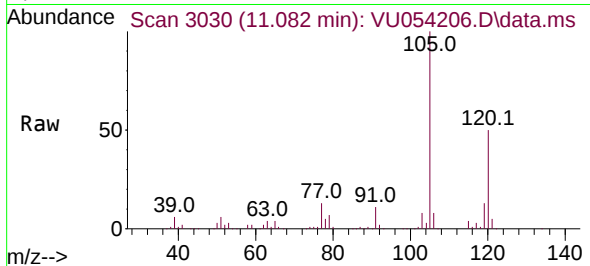




#62
 1,3,5-Trimethylbenzene
 Concen: 4.840 ug/L
 RT: 11.082 min Scan# 3030
 Delta R.T. -0.000 min
 Lab File: VU054206.D
 Acq: 19 May 2023 08:34

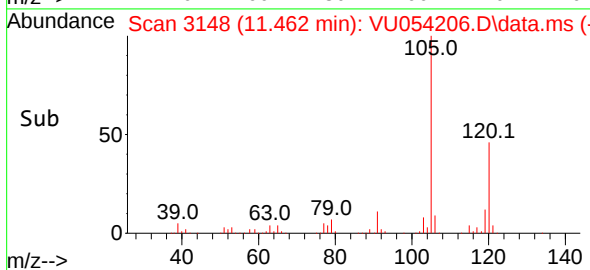
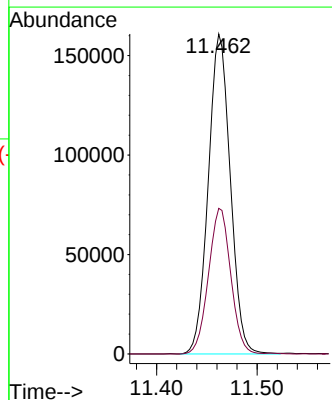
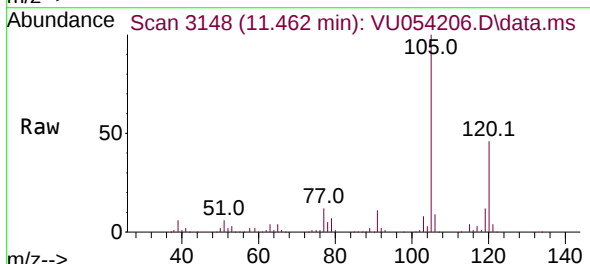
Instrument :
 MSVOA_U
 ClientSampleId :
 GBWY5MS

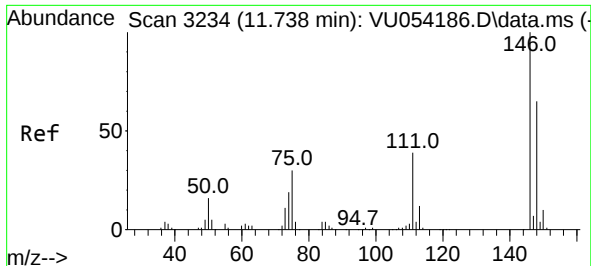
Tgt Ion:105 Resp: 236928
 Ion Ratio Lower Upper
 105 100
 120 49.7 39.4 59.0



#63
 1,2,4-Trimethylbenzene
 Concen: 5.013 ug/L
 RT: 11.462 min Scan# 3148
 Delta R.T. -0.000 min
 Lab File: VU054206.D
 Acq: 19 May 2023 08:34

Tgt Ion:105 Resp: 244914
 Ion Ratio Lower Upper
 105 100
 120 45.9 36.9 55.3

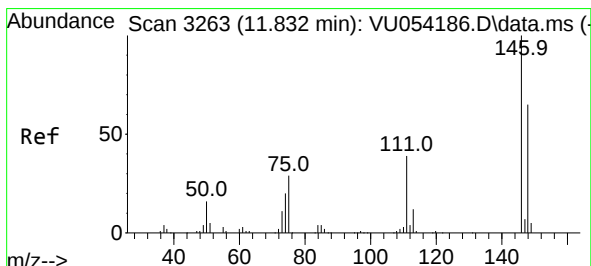
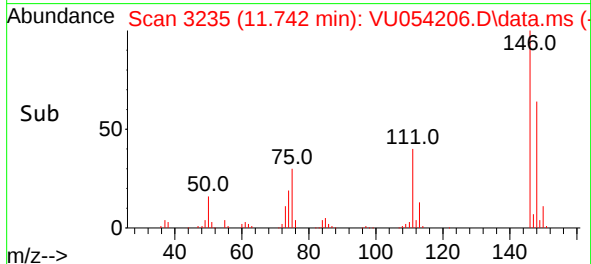
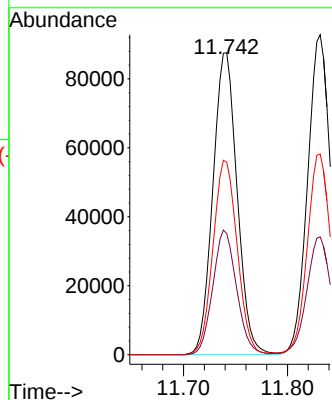
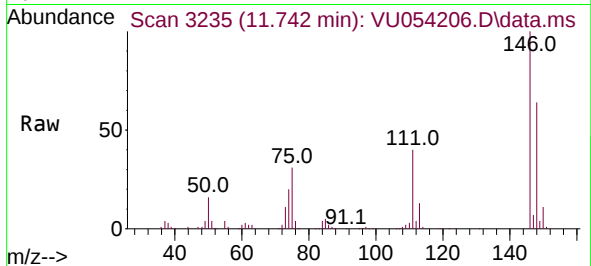




#64
1,3-Dichlorobenzene
Concen: 4.749 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

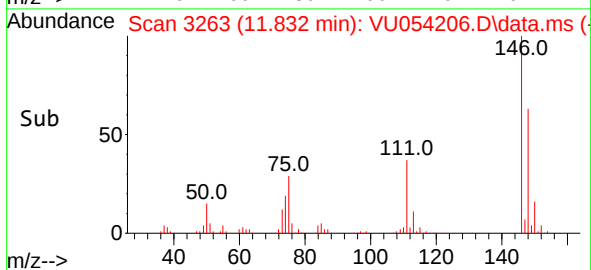
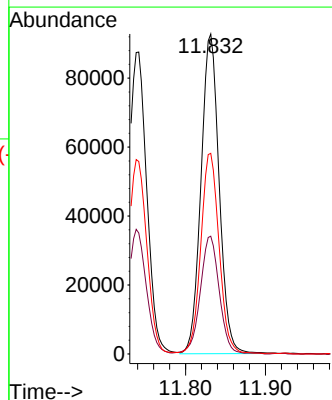
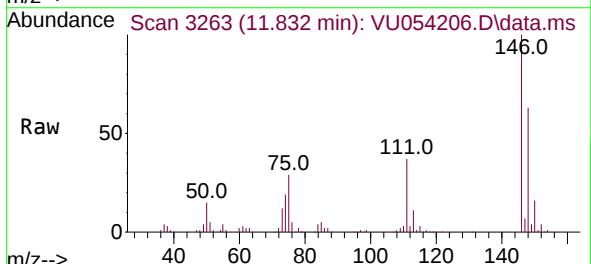
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MS

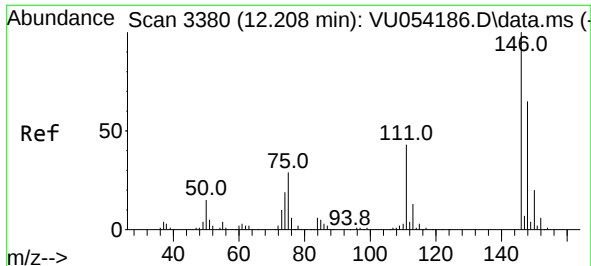
Tgt Ion:146 Resp: 142167
Ion Ratio Lower Upper
146 100
111 40.1 27.8 51.6
148 63.8 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 4.938 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

Tgt Ion:146 Resp: 146846
Ion Ratio Lower Upper
146 100
111 36.8 26.6 49.4
148 62.7 43.8 81.3

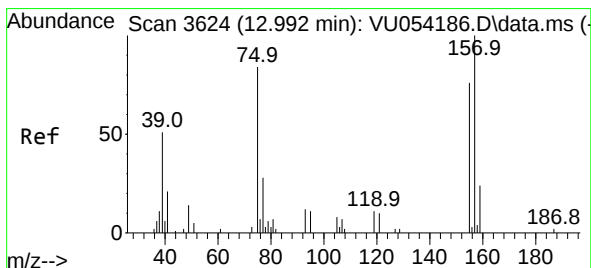
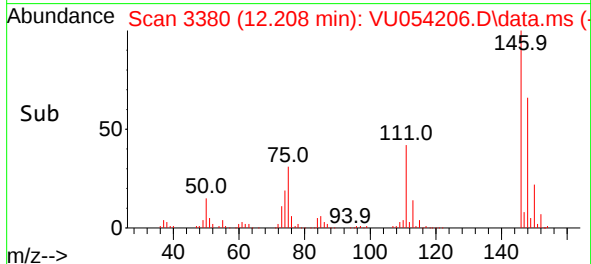
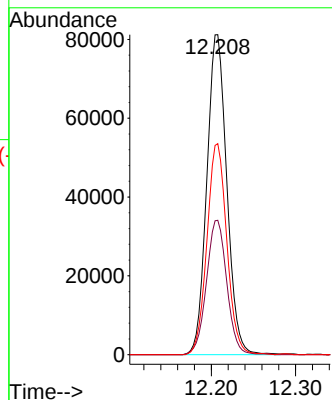
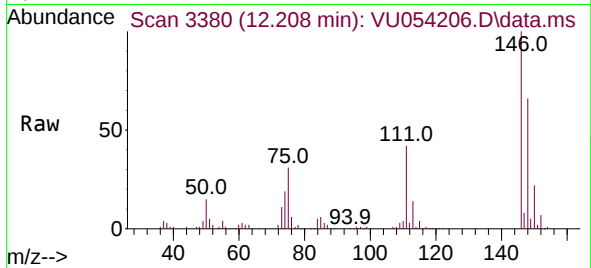




#67
1,2-Dichlorobenzene
Concen: 4.882 ug/L
RT: 12.208 min Scan# 3112
Delta R.T. -0.000 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

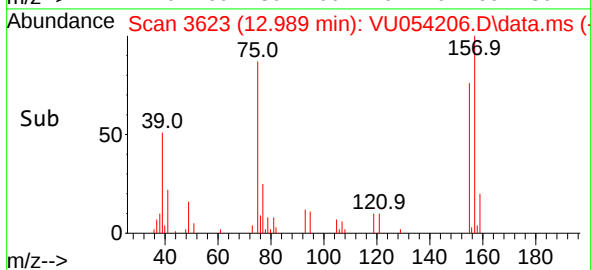
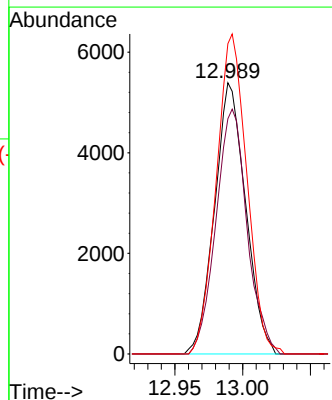
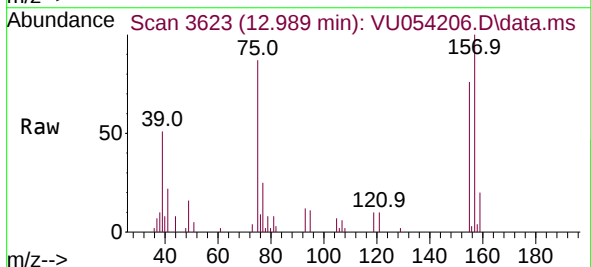
Instrument :
MSVOA_U
ClientSampleId :
GBWY5MS

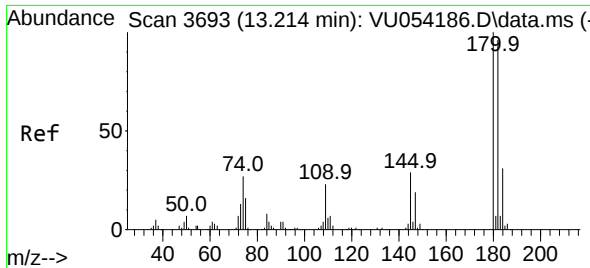
Tgt Ion:146 Resp: 134112
Ion Ratio Lower Upper
146 100
111 42.0 33.0 49.4
148 66.0 50.5 75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 5.041 ug/L
RT: 12.989 min Scan# 3623
Delta R.T. -0.003 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

Tgt Ion: 75 Resp: 8587
Ion Ratio Lower Upper
75 100
155 86.7 62.7 94.1
157 114.4 77.0 115.4



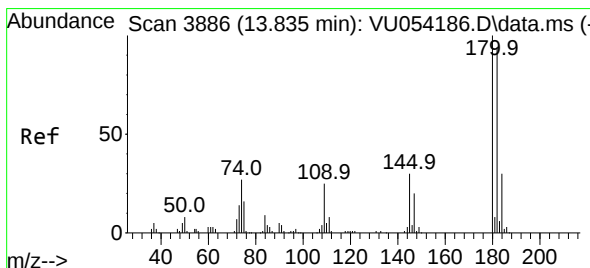
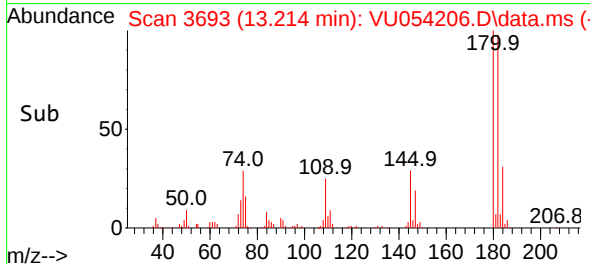
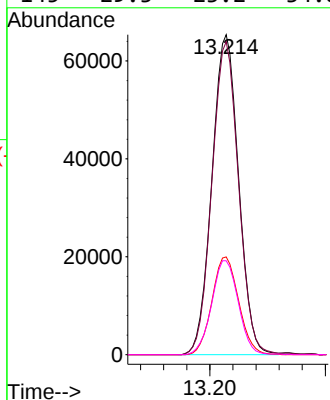
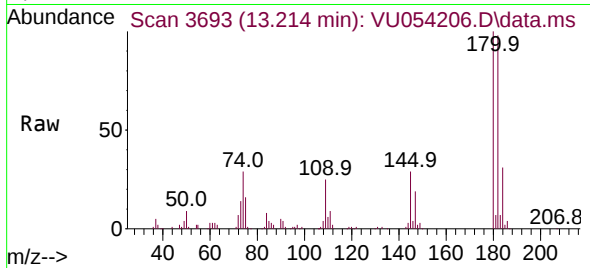


#69
 1,3,5-Trichlorobenzene
 Concen: 4.689 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU054206.D
 Acq: 19 May 2023 08:34

Instrument :
 MSVOA_U
 ClientSampleId :
 GBWY5MS

Tgt Ion:180 Resp: 104726

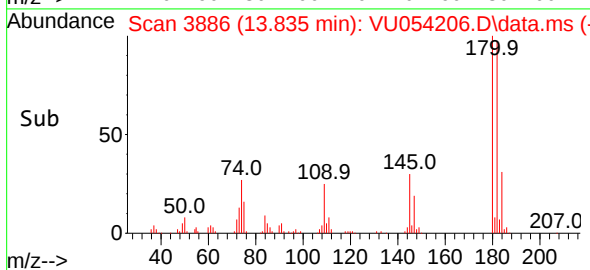
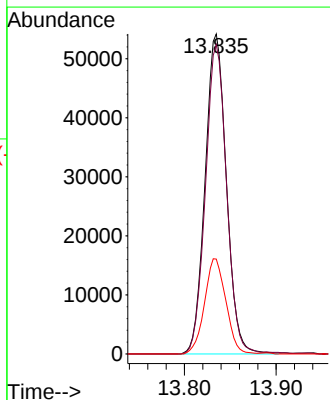
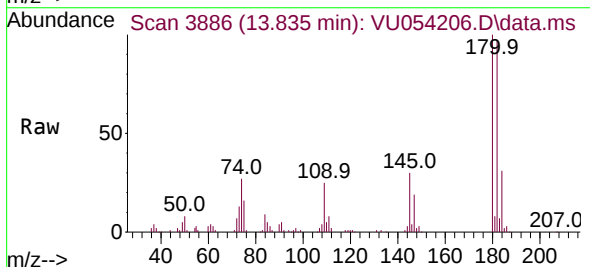
Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.1	114.1
184	30.6	24.5	36.7
145	29.3	23.2	34.8

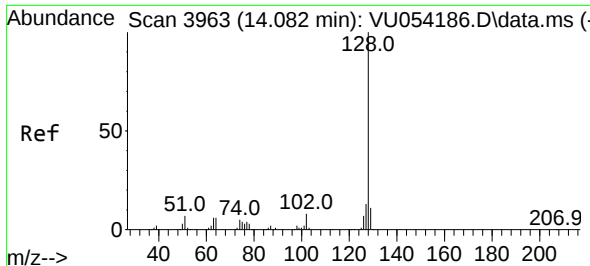


#70
 1,2,4-trichlorobenzene
 Concen: 4.734 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU054206.D
 Acq: 19 May 2023 08:34

Tgt Ion:180 Resp: 87540

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
145	29.7	23.3	34.9

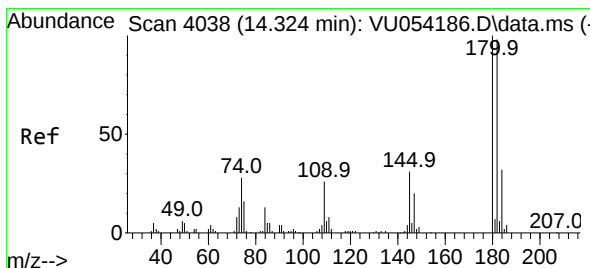
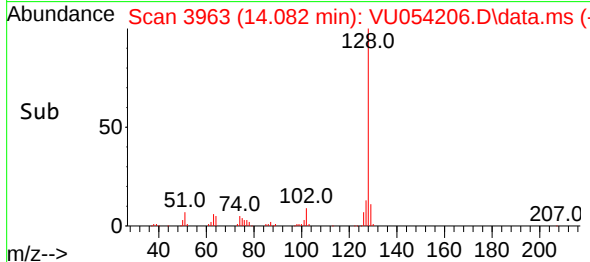
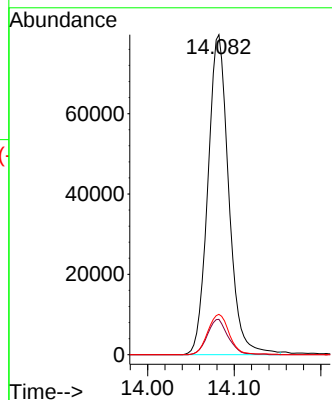
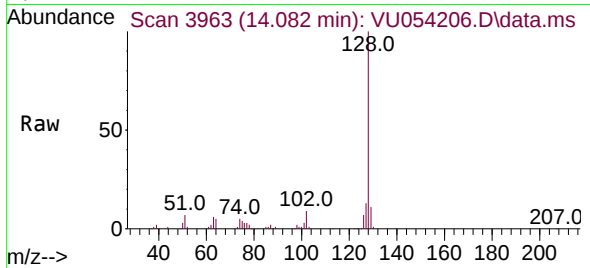




#71
Naphthalene
Concen: 4.987 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

Instrument :
MSVOA_U
ClientSampleId :
GBWY5MS

Tgt Ion:128 Resp: 133382
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 12.9 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.101 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU054206.D
Acq: 19 May 2023 08:34

Tgt Ion:180 Resp: 79830
Ion Ratio Lower Upper
180 100
182 95.3 76.4 114.6
145 31.5 25.1 37.7

