

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021722\
 Data File : VU047203.D
 Acq On : 17 Feb 2022 14:01
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 18 00:57:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 18 00:54:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	294996	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	296365	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	165473	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	109725	40.955	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.900%
7) Chloroethane-d5	1.916	69	107537	54.146	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.300%
11) 1,1-Dichloroethene-d2	2.575	63	180868	40.738	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.480%
21) 2-Butanone-d5	4.626	46	264076	127.091	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	127.090%
24) Chloroform-d	5.067	84	240889	55.384	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.760%
26) 1,2-Dichloroethane-d4	5.703	65	163214	58.465	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.920%
32) Benzene-d6	5.729	84	456544	46.336	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.680%
36) 1,2-Dichloropropane-d6	6.694	67	158252	49.528	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.060%
41) Toluene-d8	7.900	98	419541	44.722	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.440%
43) trans-1,3-Dichloroprop...	8.179	79	82463	49.248	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.500%
47) 2-Hexanone-d5	8.633	63	206776	112.960	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.960%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	266070	57.108	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.220%
66) 1,2-Dichlorobenzene-d4	12.195	152	183466	46.749	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.389	85	105395	38.345	ug/L	98
3) Chloromethane	1.527	50	138060	50.759	ug/L	99
5) Vinyl chloride	1.607	62	121995	44.508	ug/L	100
6) Bromomethane	1.861	94	97497	61.150	ug/L	99
8) Chloroethane	1.935	64	84364	53.389	ug/L	96
9) Trichlorofluoromethane	2.141	101	145448	45.823	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.585	101	81962	41.921	ug/L	95
12) 1,1-Dichloroethene	2.585	96	83255	43.400	ug/L	97
13) Acetone	2.636	43	136051	89.883	ug/L	96
14) Carbon disulfide	2.800	76	255883	42.501	ug/L	99
15) Methyl Acetate	2.951	43	145284	57.037	ug/L	98
16) Methylene chloride	3.051	84	119614	56.349	ug/L	97
17) trans-1,2-Dichloroethene	3.360	96	98282	48.765	ug/L	95
18) Methyl tert-butyl Ether	3.366	73	385688	56.589	ug/L	97
19) 1,1-Dichloroethane	3.877	63	195280	51.592	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	122595	54.993	ug/L	99
22) 2-Butanone	4.707	43	224342	110.463	ug/L	98
23) Bromochloromethane	4.980	128	69062	58.416	ug/L	96
25) Chloroform	5.093	83	207869	56.064	ug/L	100

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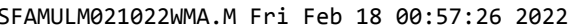
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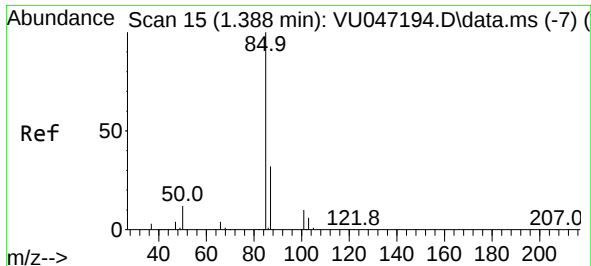
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	173666	58.948	ug/L	99
29) Cyclohexane	5.392	56	141996	36.558	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	158374	44.615	ug/L	98
31) Carbon tetrachloride	5.530	117	129828	42.182	ug/L	100
33) Benzene	5.777	78	449739	48.654	ug/L	100
34) Trichloroethene	6.546	95	110030	45.824	ug/L	99
35) Methylcyclohexane	6.768	83	152312	37.805	ug/L	97
37) 1,2-Dichloropropane	6.793	63	124139	50.136	ug/L	98
38) Bromodichloromethane	7.109	83	166185	52.659	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	201917	50.176	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	425515	108.523	ug/L	96
42) Toluene	7.973	91	482116	47.485	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	196256	50.757	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	127766	54.787	ug/L	95
46) Tetrachloroethene	8.555	164	83358	43.156	ug/L	94
48) 2-Hexanone	8.684	43	354843	109.432	ug/L	96
49) Dibromochloromethane	8.813	129	143592	53.220	ug/L	98
50) 1,2-Dibromoethane	8.925	107	143770	55.499	ug/L	99
51) Chlorobenzene	9.449	112	314641	48.332	ug/L	99
52) Ethylbenzene	9.575	91	505184	45.464	ug/L	99
53) m,p-Xylene	9.697	106	197961	44.903	ug/L	98
54) o-xylene	10.105	106	201305	46.375	ug/L	97
55) Styrene	10.118	104	356297	47.703	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.784	83	233780	56.864	ug/L	99
59) Bromoform	10.292	173	116137	51.697	ug/L	97
60) 1,2,3-Trichloropropane	10.825	75	185788	52.669	ug/L	97
61) Isopropylbenzene	10.488	105	489499	42.081	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	342516	41.547	ug/L	98
63) 1,2,4-Trimethylbenzene	11.469	105	424286	42.390	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	244793	45.101	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	248661	45.575	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	253877	47.002	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	55070	49.002	ug/L	90
69) 1,3,5-Trichlorobenzene	13.221	180	189399	45.122	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	185630	46.653	ug/L	98
71) Naphthalene	14.086	128	718014	50.972	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	192195	48.511	ug/L	98

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

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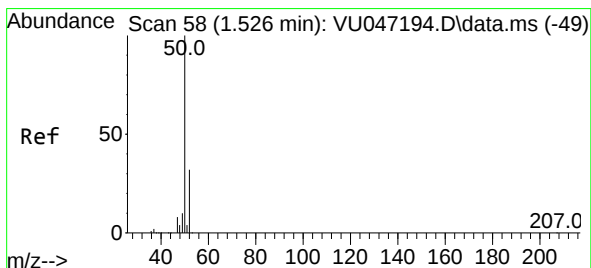
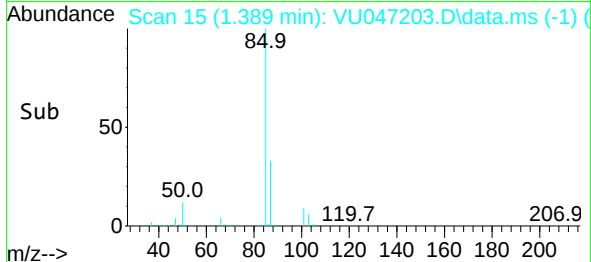
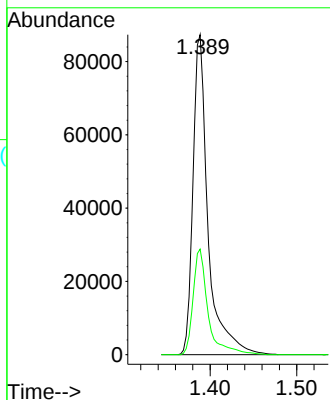
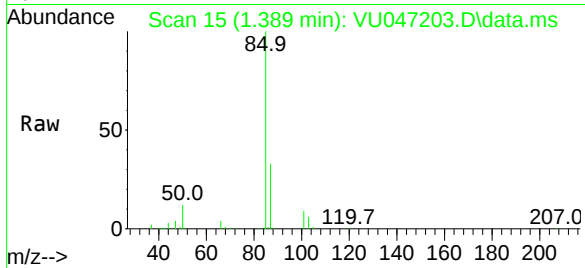




#2
Dichlorodifluoromethane
Concen: 38.345 ug/L
RT: 1.389 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

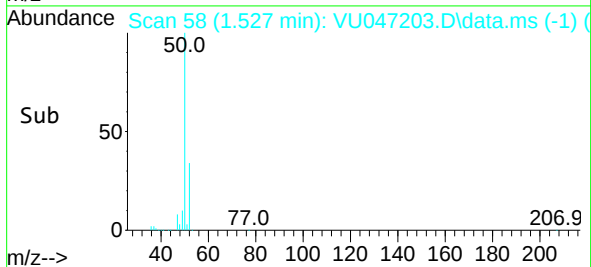
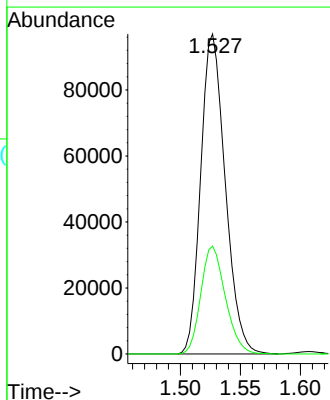
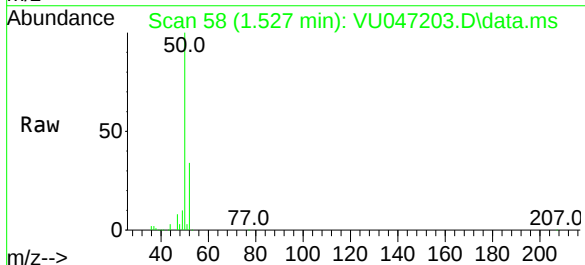
Instrument :
MSVOA_U
ClientSampleId :

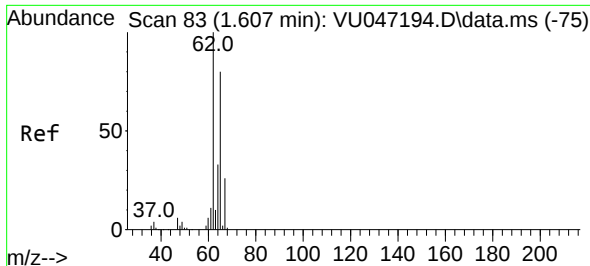
Tgt Ion: 85 Resp: 105395
Ion Ratio Lower Upper
85 100
87 33.0 25.6 38.4



#3
Chloromethane
Concen: 50.759 ug/L
RT: 1.527 min Scan# 58
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

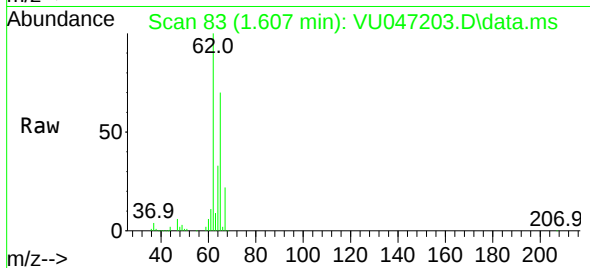
Tgt Ion: 50 Resp: 138060
Ion Ratio Lower Upper
50 100
52 33.7 23.2 43.2



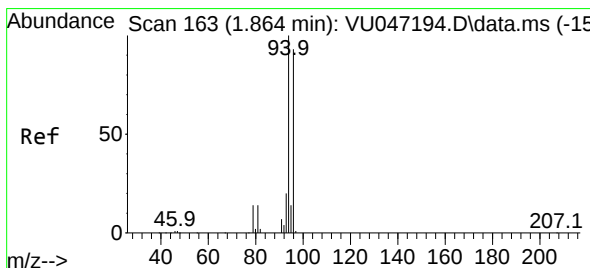
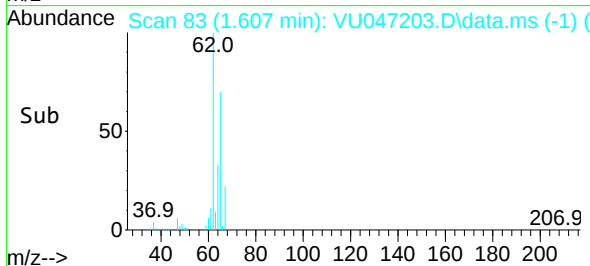
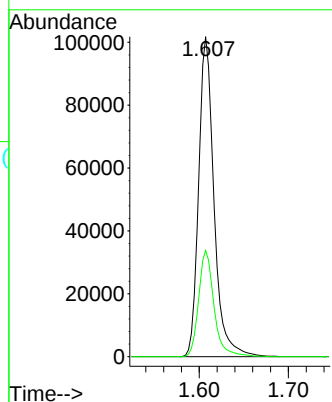


#5
 Vinyl chloride
 Concen: 44.508 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU047203.D
 Acq: 17 Feb 2022 14:01

Instrument :
 MSVOA_U
 ClientSampleId :

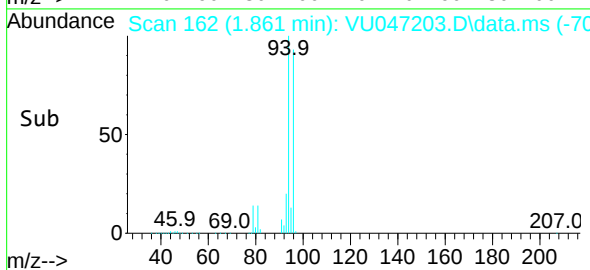
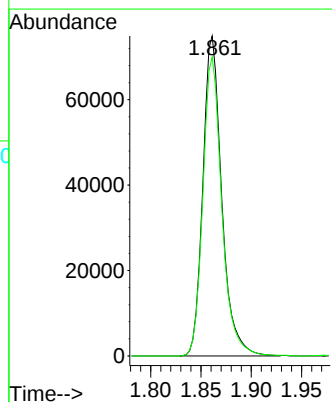
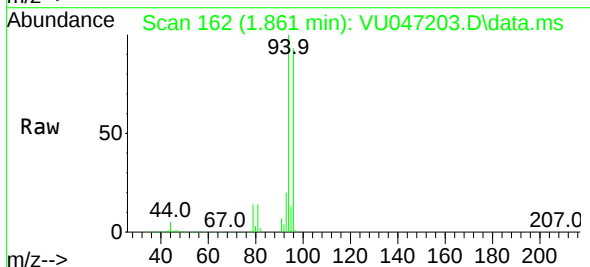


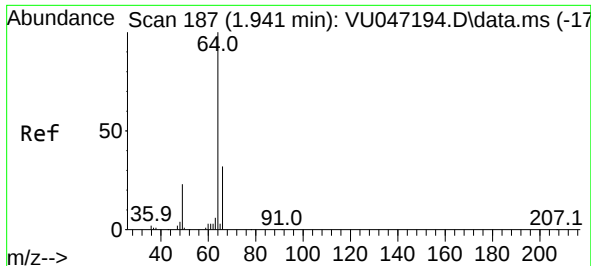
Tgt Ion: 62 Resp: 121995
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.1 42.9



#6
 Bromomethane
 Concen: 61.150 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. -0.003 min
 Lab File: VU047203.D
 Acq: 17 Feb 2022 14:01

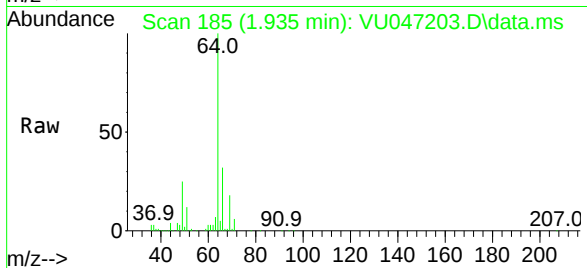
Tgt Ion: 94 Resp: 97497
 Ion Ratio Lower Upper
 94 100
 96 93.4 64.4 119.6



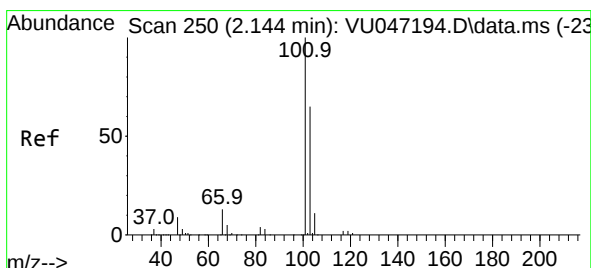
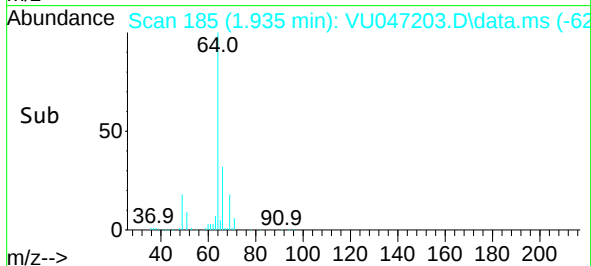
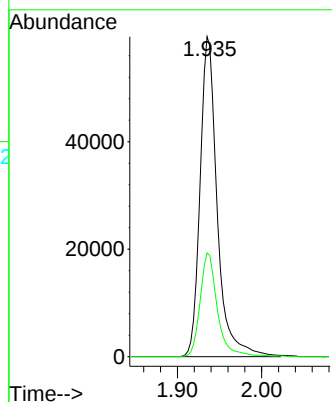


#8
Chloroethane
Concen: 53.389 ug/L
RT: 1.935 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

Instrument :
MSVOA_U
ClientSampleId :

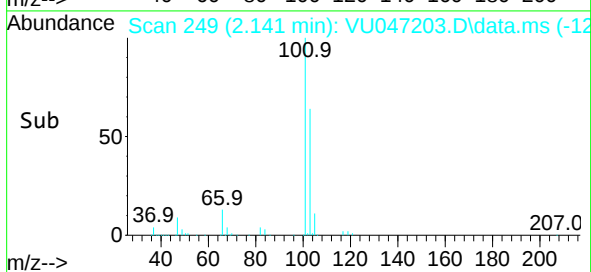
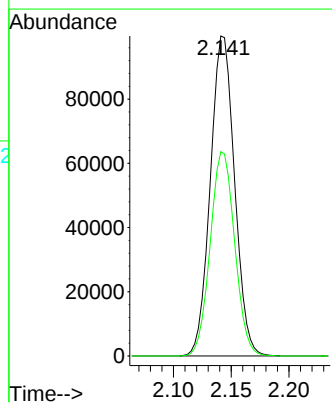
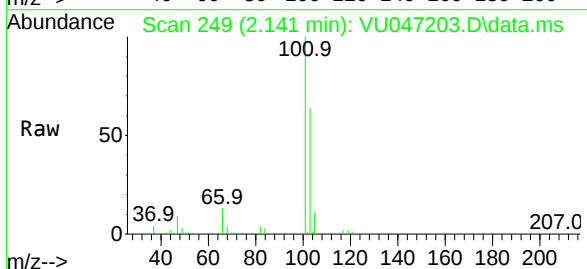


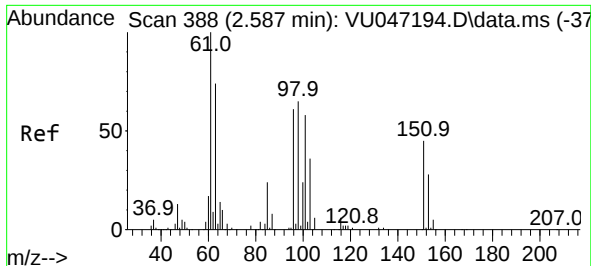
Tgt Ion: 64 Resp: 84364
Ion Ratio Lower Upper
64 100
66 32.4 24.4 45.2



#9
Trichlorofluoromethane
Concen: 45.823 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.003 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

Tgt Ion: 101 Resp: 145448
Ion Ratio Lower Upper
101 100
103 64.4 52.0 78.0

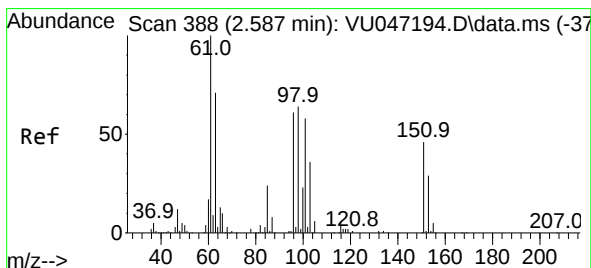
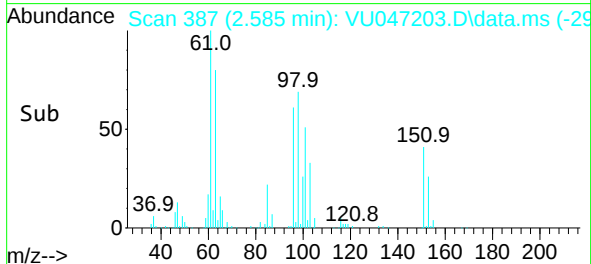
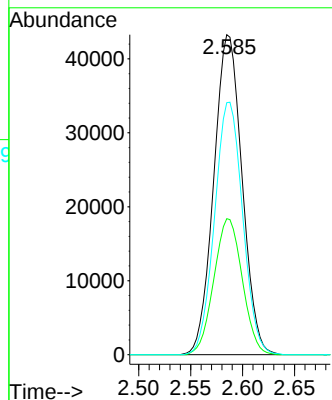
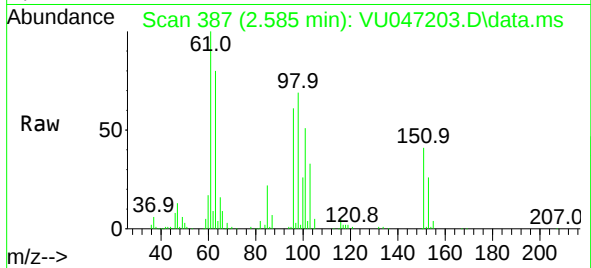




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 41.921 ug/L
 RT: 2.585 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU047203.D
 Acq: 17 Feb 2022 14:01

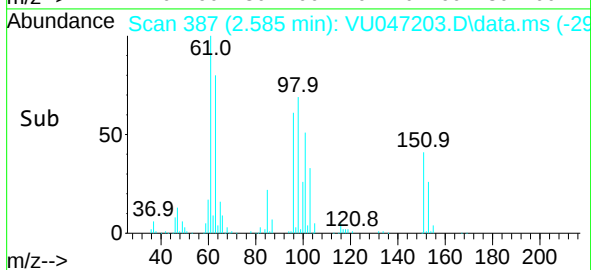
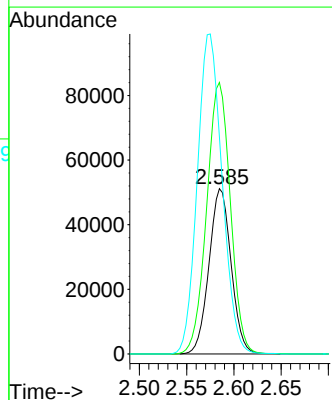
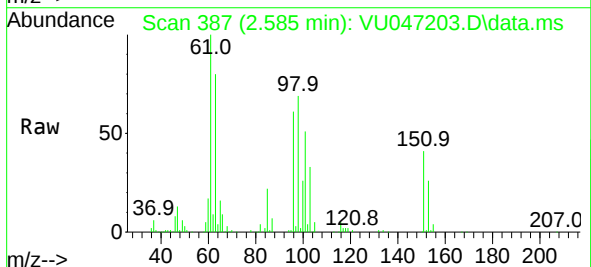
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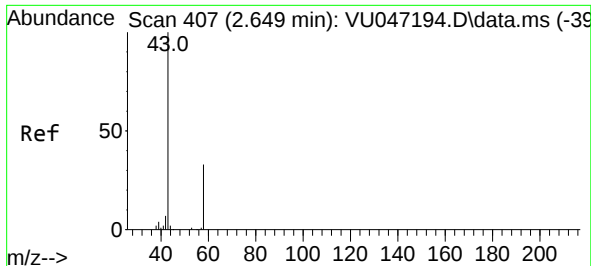
Tgt Ion:101 Resp: 81962
 Ion Ratio Lower Upper
 101 100
 85 42.6 34.9 52.3
 151 78.4 58.3 87.5



#12
 1,1-Dichloroethene
 Concen: 43.400 ug/L
 RT: 2.585 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU047203.D
 Acq: 17 Feb 2022 14:01

Tgt Ion: 96 Resp: 83255
 Ion Ratio Lower Upper
 96 100
 61 164.3 114.9 213.3
 63 131.5 86.0 159.8





#13

Acetone

Concen: 89.883 ug/L

RT: 2.636 min Scan# 407

Delta R.T. -0.013 min

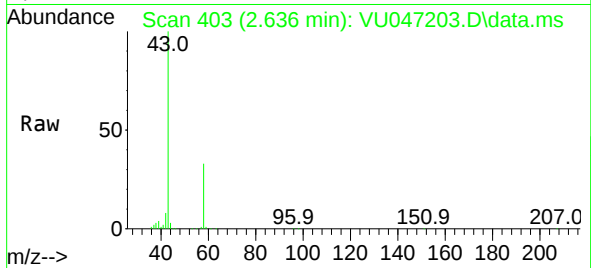
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Instrument :

MSVOA_U

ClientSampleId :

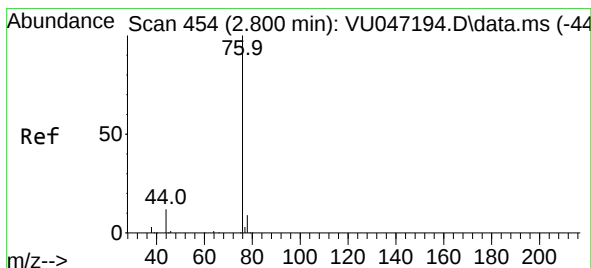
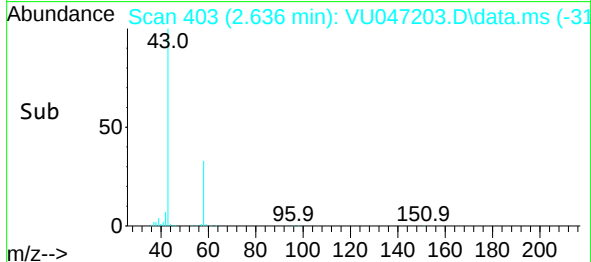
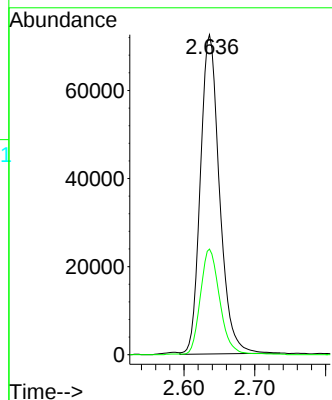


Tgt Ion: 43 Resp: 136051

Ion Ratio Lower Upper

43 100

58 32.9 0.0 71.0



#14

Carbon disulfide

Concen: 42.501 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU047203.D

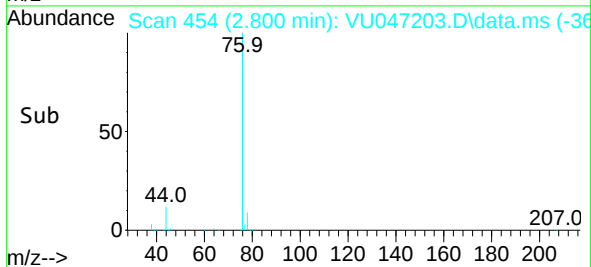
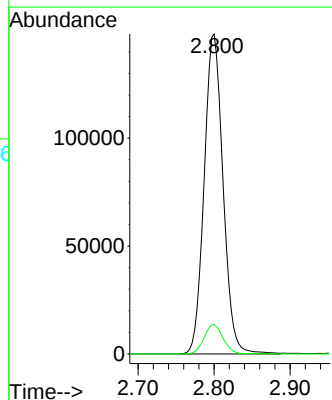
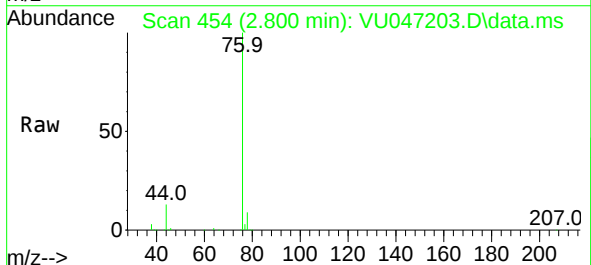
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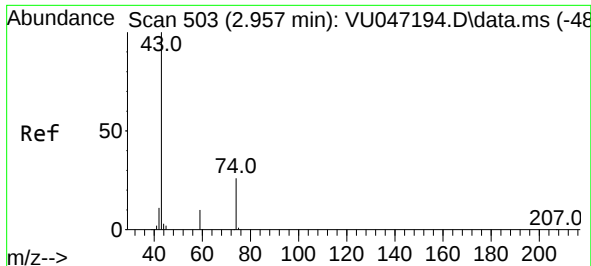
Tgt Ion: 76 Resp: 255883

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

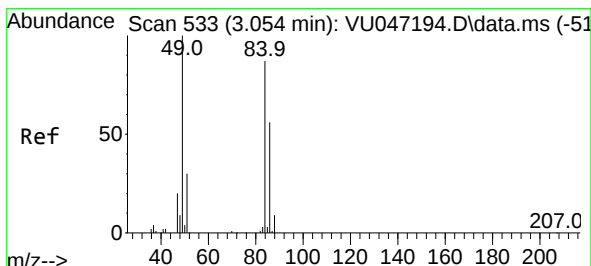
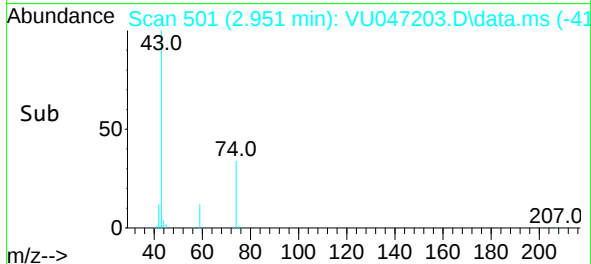
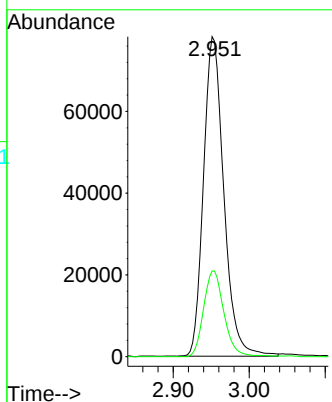
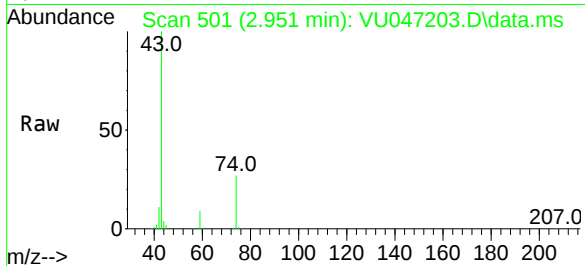




#15
Methyl Acetate
Concen: 57.037 ug/L
RT: 2.951 min Scan# 501
Delta R.T. -0.006 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

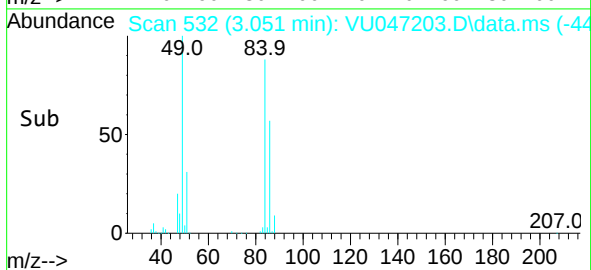
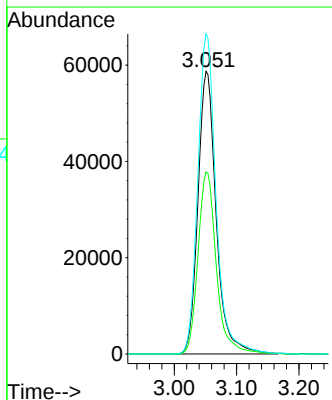
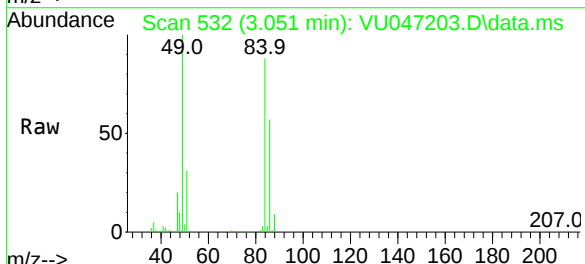
Instrument :
MSVOA_U
ClientSampleId :

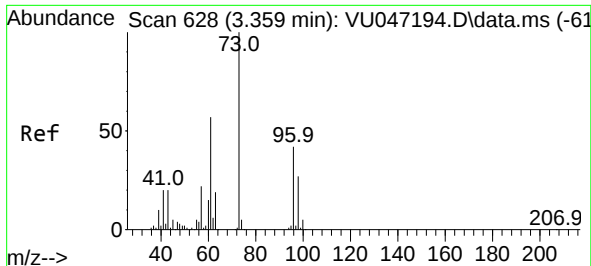
Tgt Ion: 43 Resp: 145284
Ion Ratio Lower Upper
43 100
74 26.9 22.3 33.5



#16
Methylene chloride
Concen: 56.349 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

Tgt Ion: 84 Resp: 119614
Ion Ratio Lower Upper
84 100
86 64.4 44.7 82.9
49 113.3 75.9 141.1

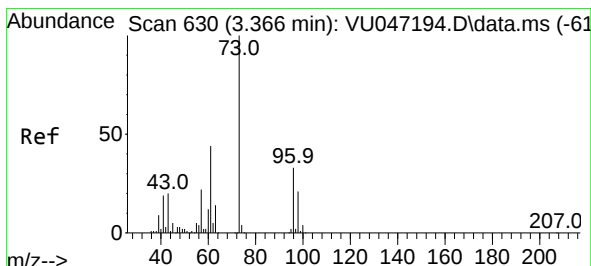
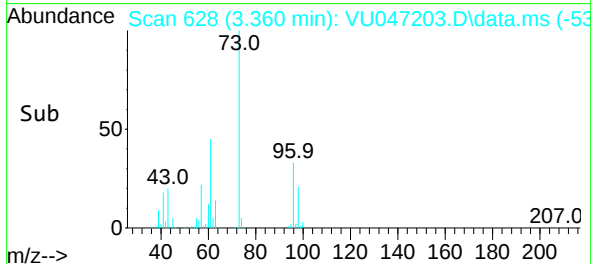
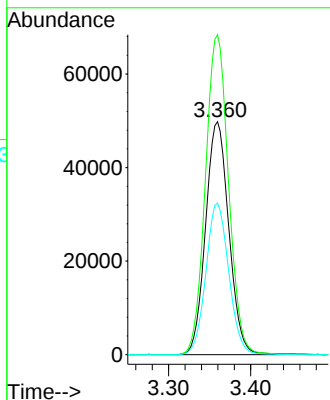
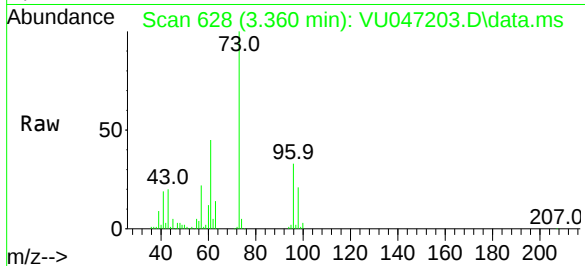




#17
trans-1,2-Dichloroethene
Concen: 48.765 ug/L
RT: 3.360 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

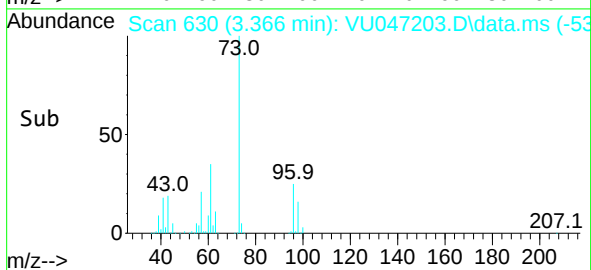
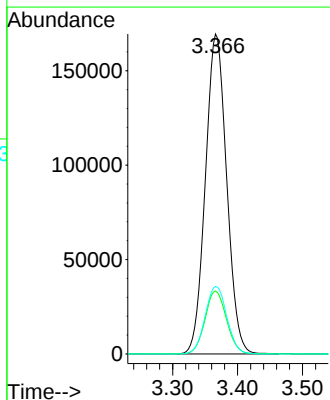
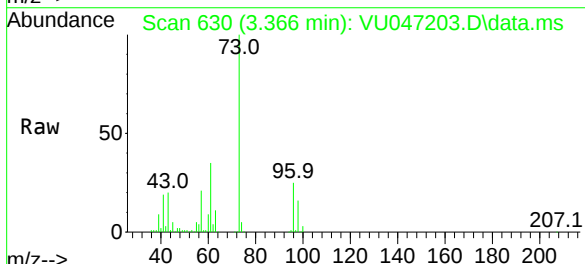
Instrument :
MSVOA_U
ClientSampleId :

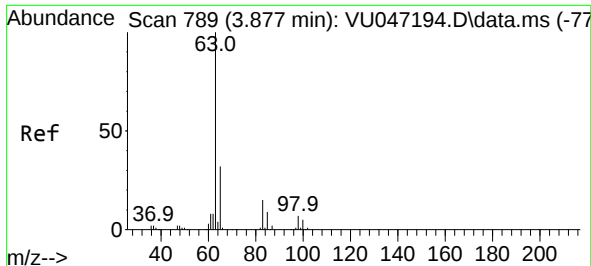
Tgt Ion: 96 Resp: 98282
Ion Ratio Lower Upper
96 100
61 137.3 92.5 171.9
98 65.1 42.4 78.6



#18
Methyl tert-butyl Ether
Concen: 56.589 ug/L
RT: 3.366 min Scan# 630
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

Tgt Ion: 73 Resp: 385688
Ion Ratio Lower Upper
73 100
43 19.7 14.1 21.1
57 21.6 16.4 24.6





#19

1,1-Dichloroethane

Concen: 51.592 ug/L

RT: 3.877 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

Instrument :

MSVOA_U

ClientSampleId :

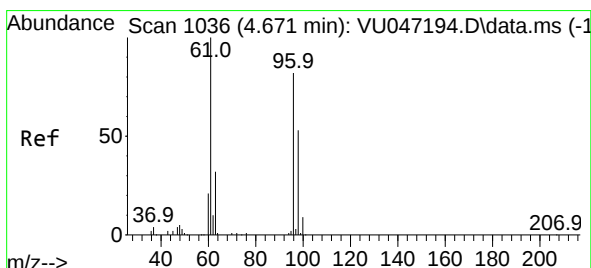
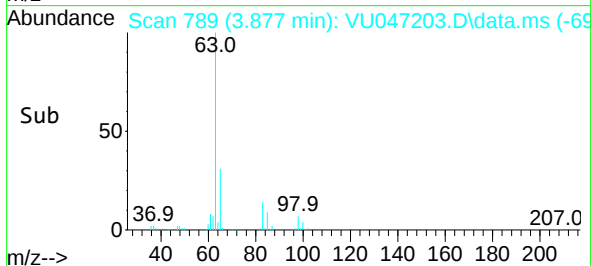
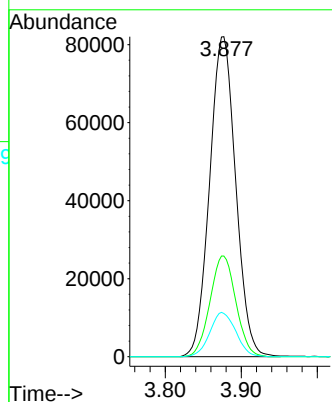
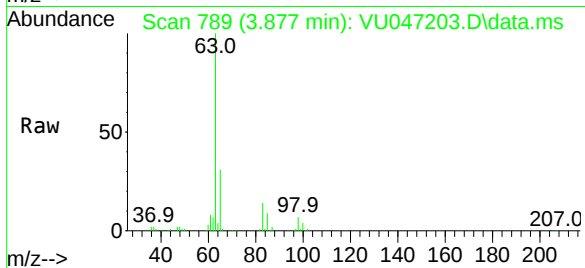
Tgt Ion: 63 Resp: 195280

Ion Ratio Lower Upper

63 100

65 31.4 22.8 42.4

83 13.5 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 54.993 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

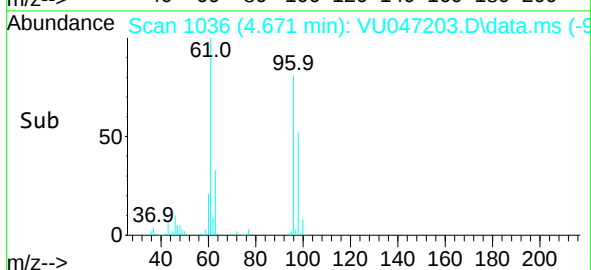
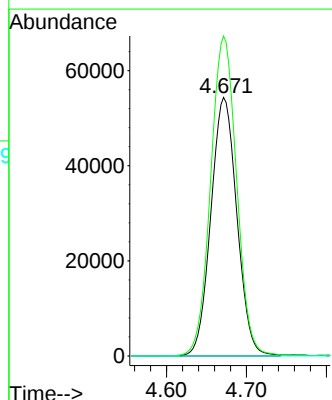
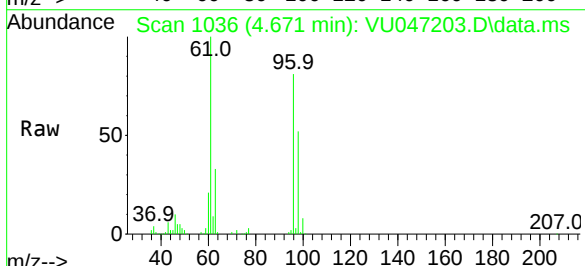
Tgt Ion: 96 Resp: 122595

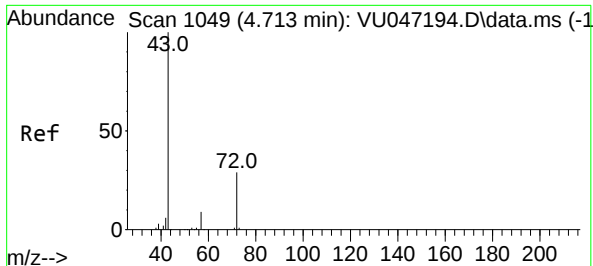
Ion Ratio Lower Upper

96 100

61 123.8 86.0 159.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 110.463 ug/L

RT: 4.707 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

Instrument :

MSVOA_U

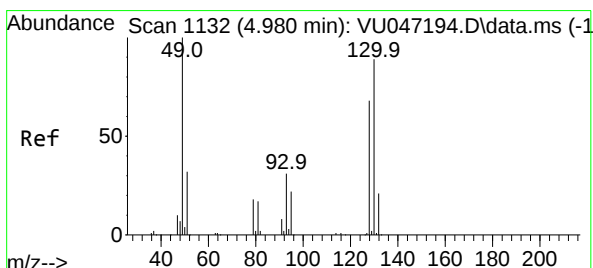
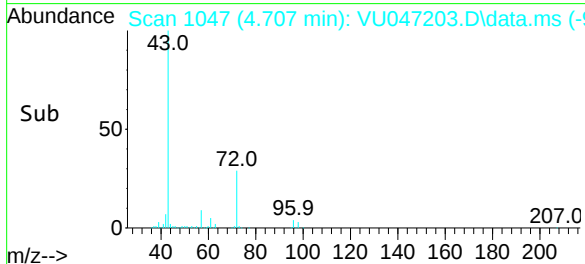
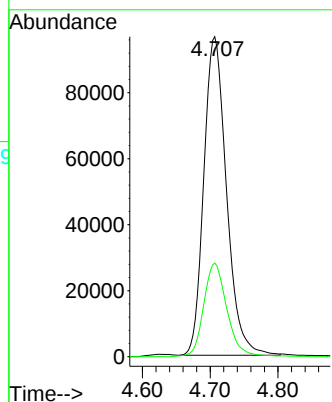
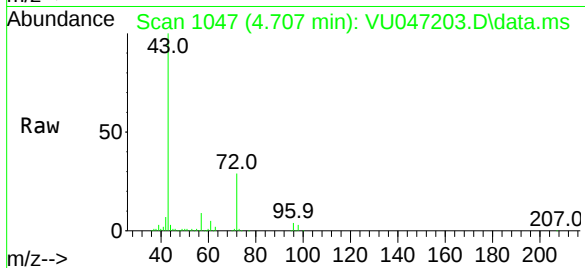
ClientSampleId :

Tgt Ion: 43 Resp: 224342

Ion Ratio Lower Upper

43 100

72 30.0 15.6 46.8



#23

Bromochloromethane

Concen: 58.416 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

Tgt Ion:128 Resp: 69062

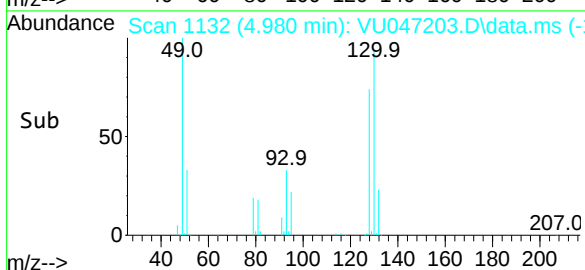
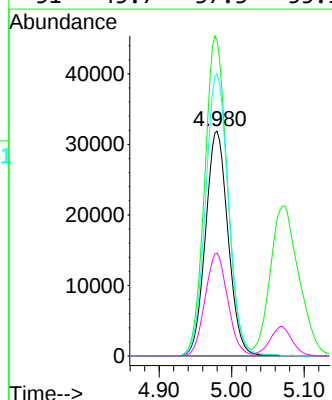
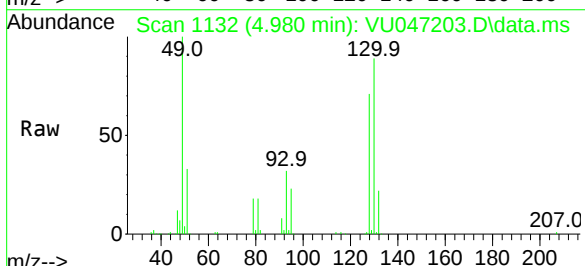
Ion Ratio Lower Upper

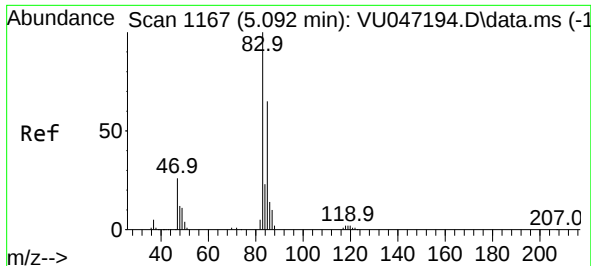
128 100

49 140.3 105.4 195.8

130 125.5 88.7 164.7

51 45.7 37.3 55.9

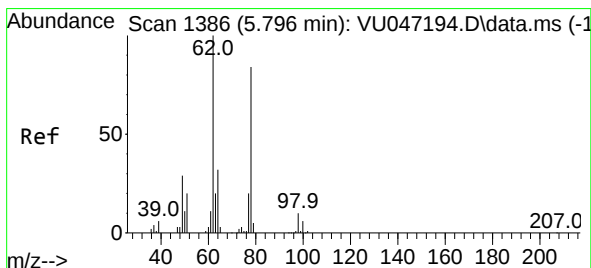
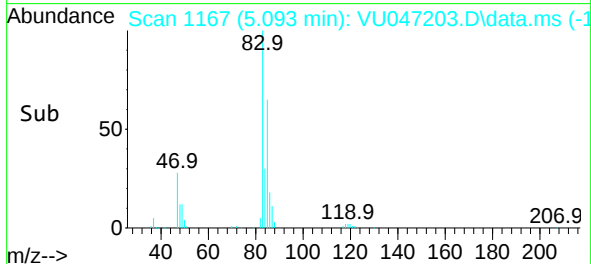
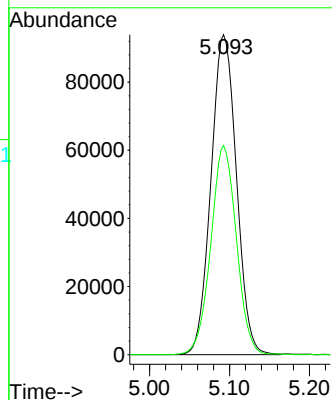
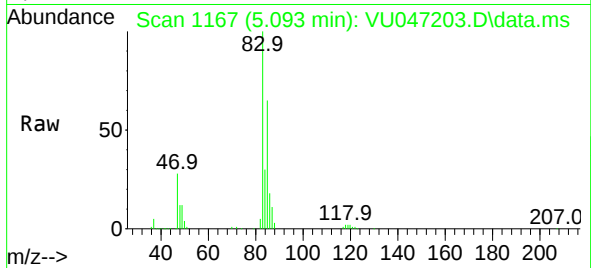




#25
Chloroform
Concen: 56.064 ug/L
RT: 5.093 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

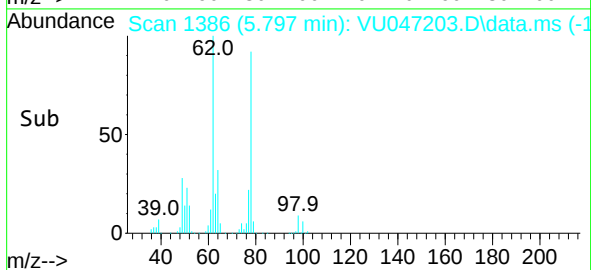
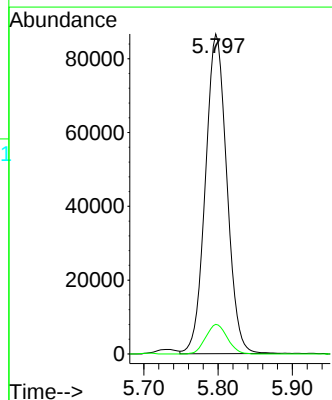
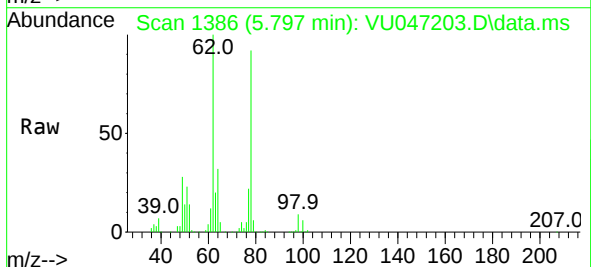
Instrument :
MSVOA_U
ClientSampleId :

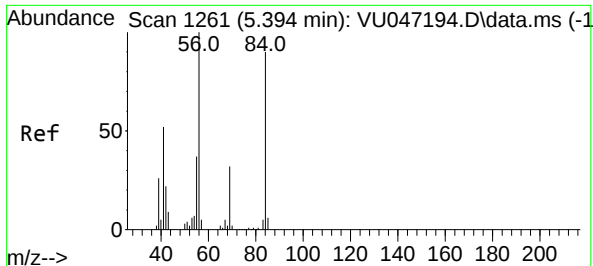
Tgt Ion: 83 Resp: 207869
Ion Ratio Lower Upper
83 100
85 65.4 45.7 84.9



#27
1,2-Dichloroethane
Concen: 58.948 ug/L
RT: 5.797 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

Tgt Ion: 62 Resp: 173666
Ion Ratio Lower Upper
62 100
98 9.2 7.7 11.5





#29

Cyclohexane

Concen: 36.558 ug/L

RT: 5.392 min Scan# 1260

Delta R.T. -0.003 min

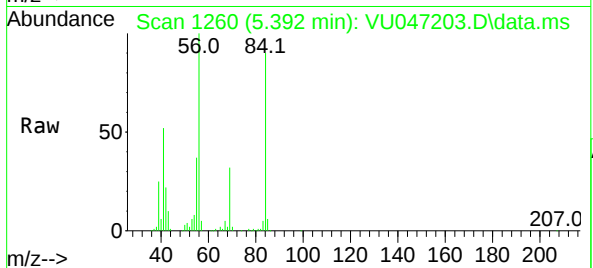
Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

Instrument :

MSVOA_U

ClientSampleId :



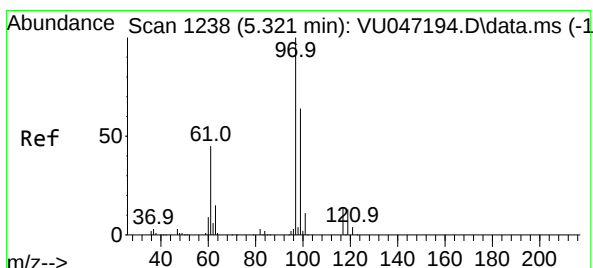
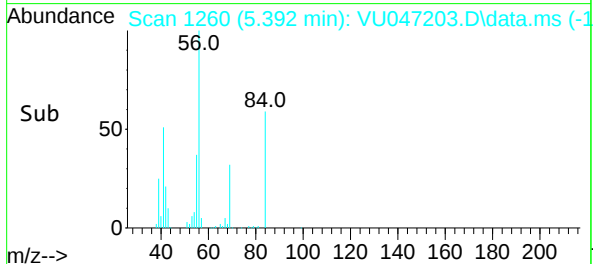
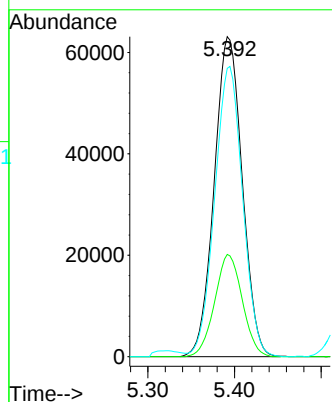
Tgt Ion: 56 Resp: 141996

Ion Ratio Lower Upper

56 100

69 31.4 25.8 38.6

84 90.6 74.2 111.2



#30

1,1,1-Trichloroethane

Concen: 44.615 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

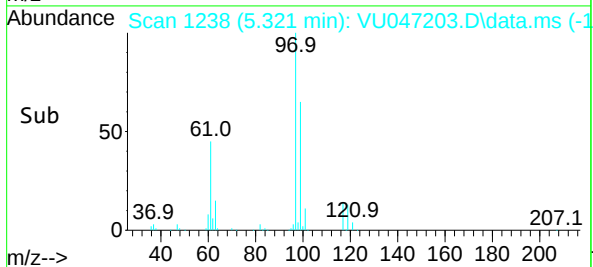
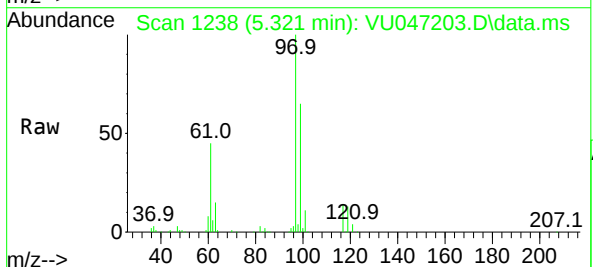
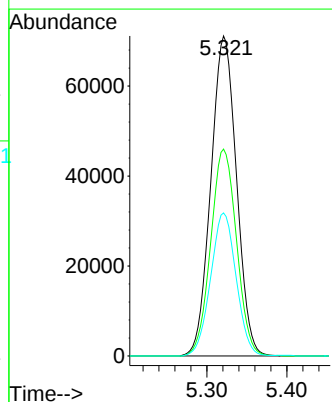
Tgt Ion: 97 Resp: 158374

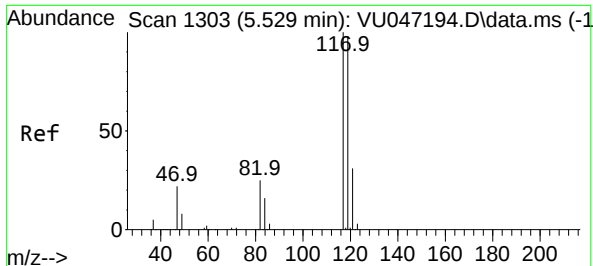
Ion Ratio Lower Upper

97 100

99 65.2 51.1 76.7

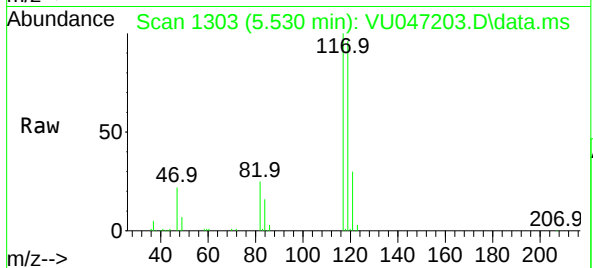
61 44.5 34.1 51.1



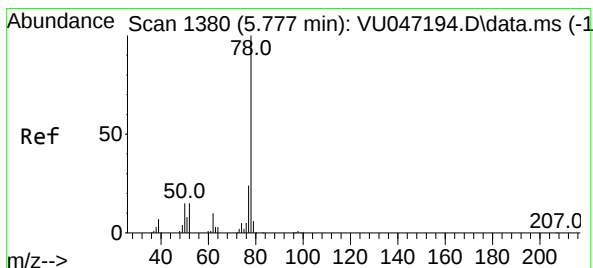
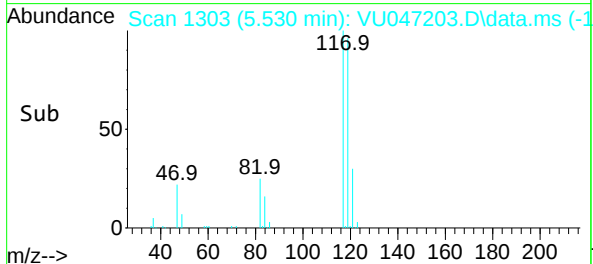
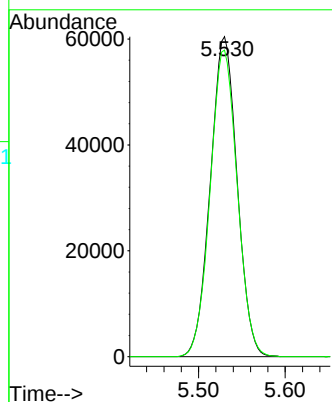


#31
Carbon tetrachloride
Concen: 42.182 ug/L
RT: 5.530 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

Instrument :
MSVOA_U
ClientSampleId :

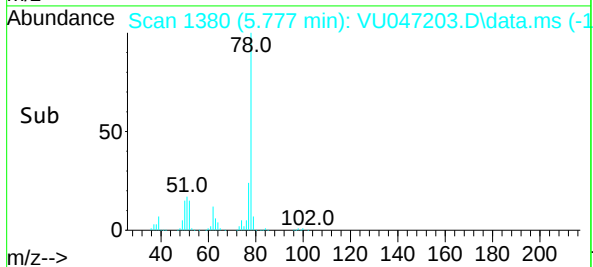
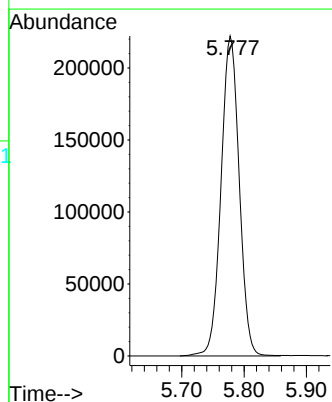
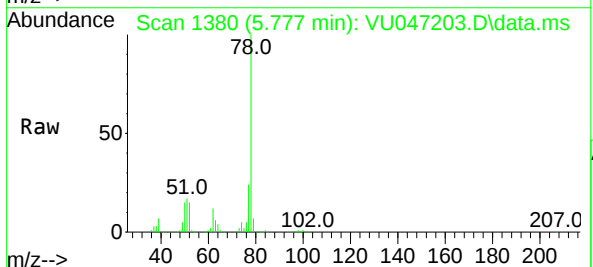


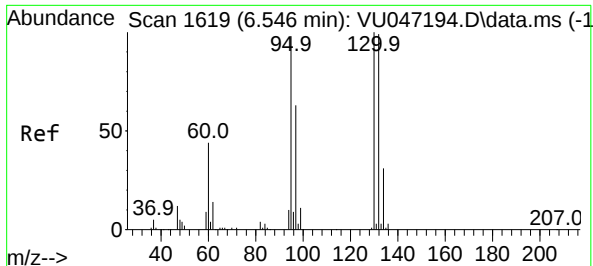
Tgt Ion:117 Resp: 129828
Ion Ratio Lower Upper
117 100
119 97.1 77.5 116.3



#33
Benzene
Concen: 48.654 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

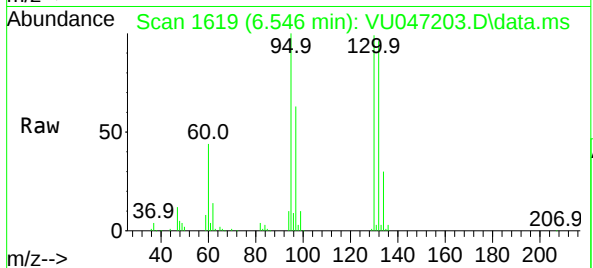
Tgt Ion: 78 Resp: 449739



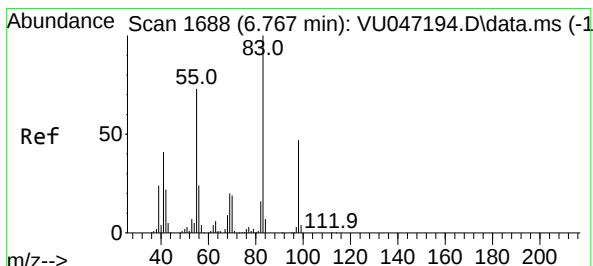
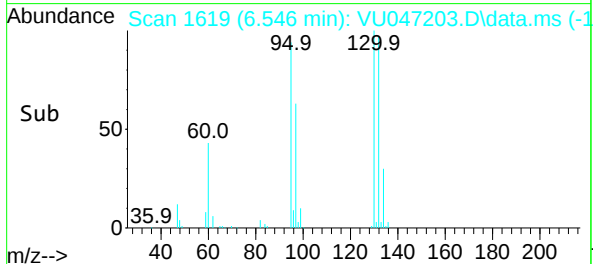
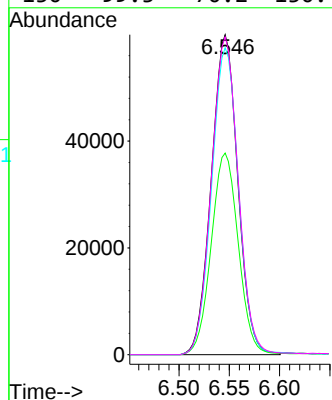


#34
Trichloroethene
Concen: 45.824 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

Instrument :
MSVOA_U
ClientSampleId :

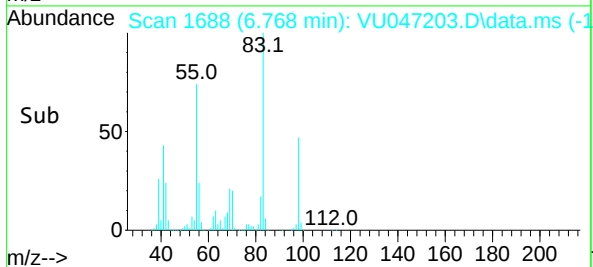
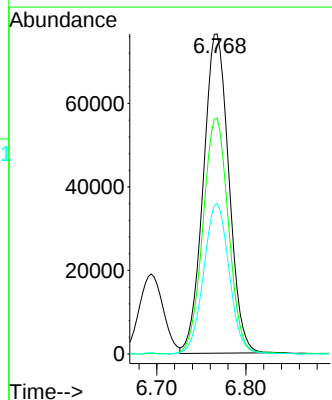
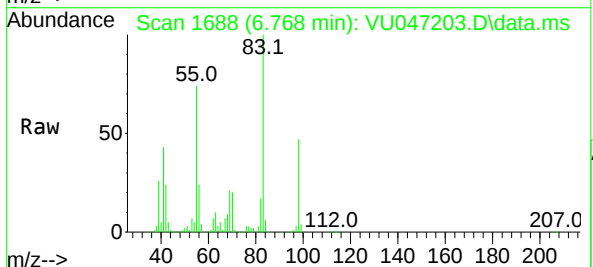


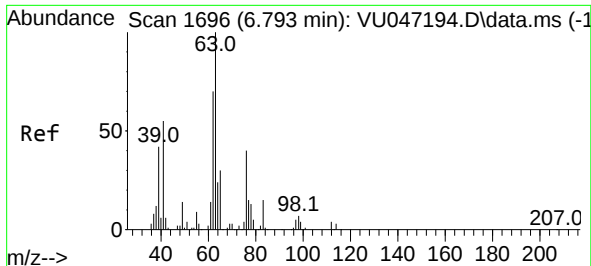
Tgt Ion: 95 Resp: 110030
Ion Ratio Lower Upper
95 100
97 63.0 45.1 83.7
132 95.9 66.7 123.9
130 99.3 70.2 130.4



#35
Methylcyclohexane
Concen: 37.805 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

Tgt Ion: 83 Resp: 152312
Ion Ratio Lower Upper
83 100
55 73.9 56.6 85.0
98 47.2 38.4 57.6





#37

1,2-Dichloropropane

Concen: 50.136 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

Instrument :

MSVOA_U

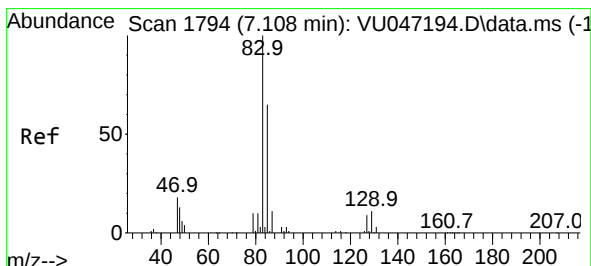
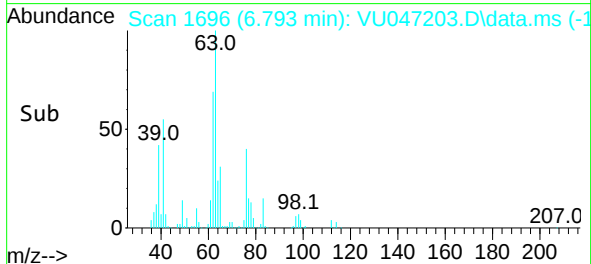
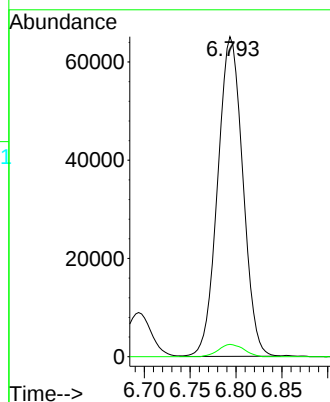
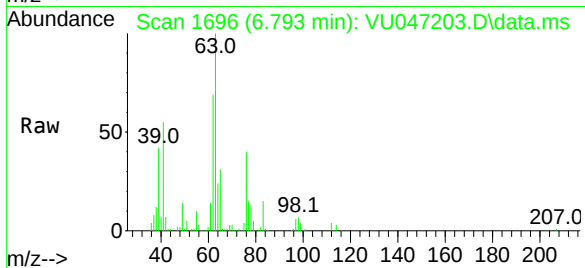
ClientSampleId :

Tgt Ion: 63 Resp: 124139

Ion Ratio Lower Upper

63 100

112 3.9 3.7 5.5



#38

Bromodichloromethane

Concen: 52.659 ug/L

RT: 7.109 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

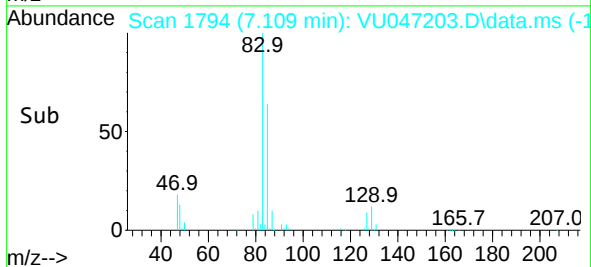
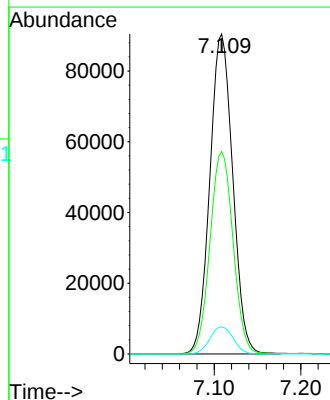
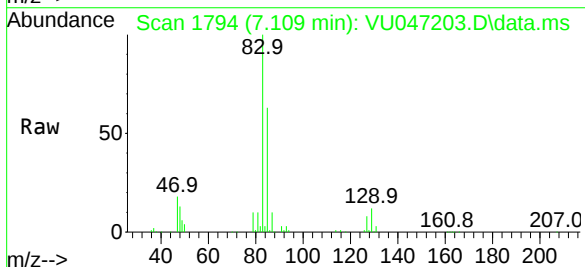
Tgt Ion: 83 Resp: 166185

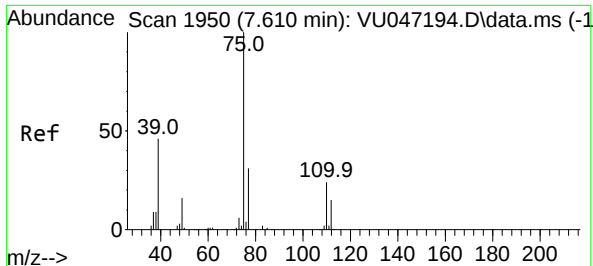
Ion Ratio Lower Upper

83 100

85 63.2 45.0 83.6

127 8.5 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 50.176 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

Instrument :

MSVOA_U

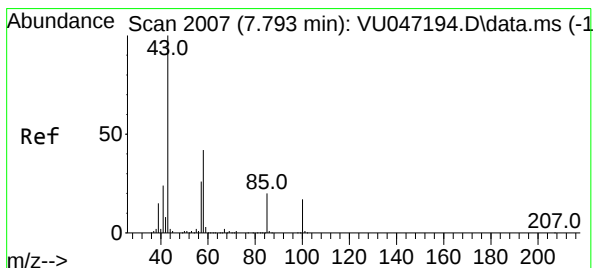
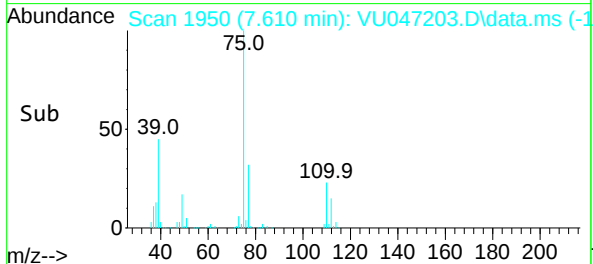
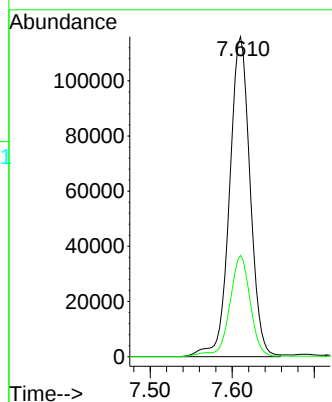
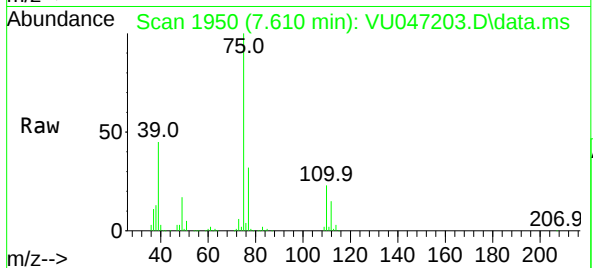
ClientSampleId :

Tgt Ion: 75 Resp: 201917

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 108.523 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

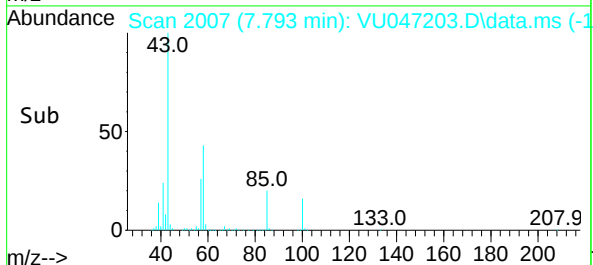
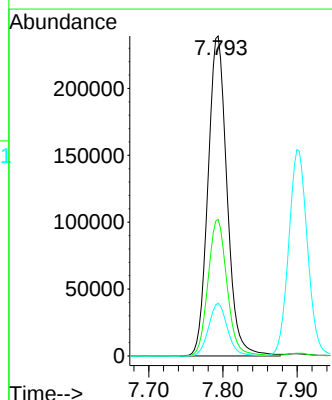
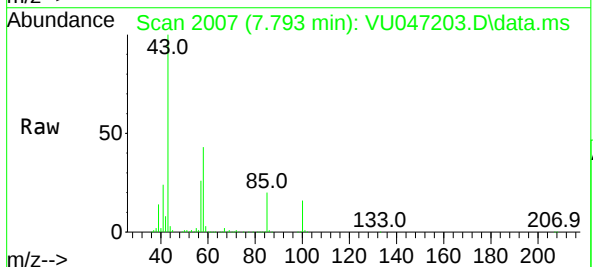
Tgt Ion: 43 Resp: 425515

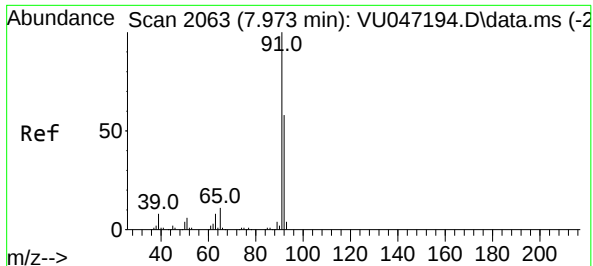
Ion Ratio Lower Upper

43 100

58 42.7 35.8 53.8

100 16.3 15.7 23.5

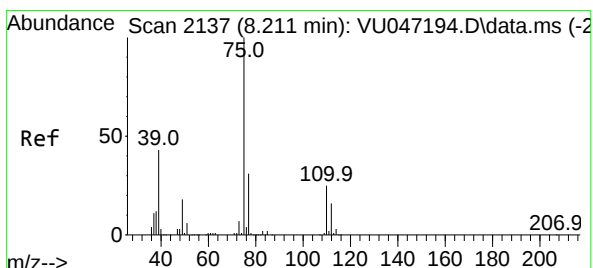
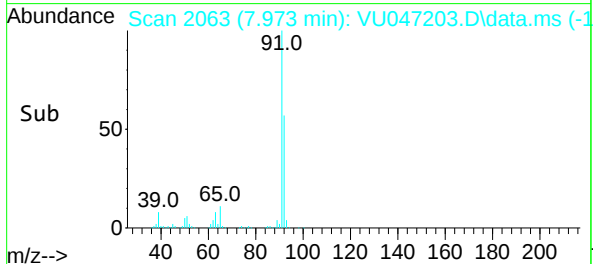
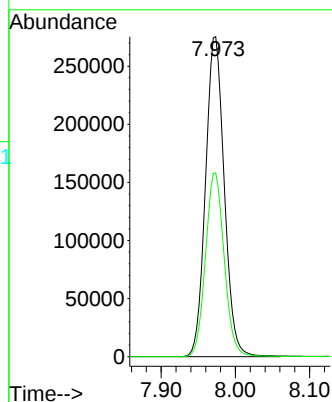
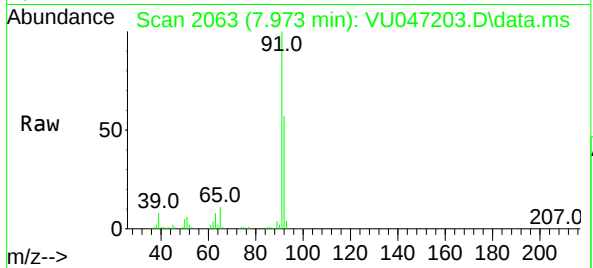




#42
Toluene
Concen: 47.485 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

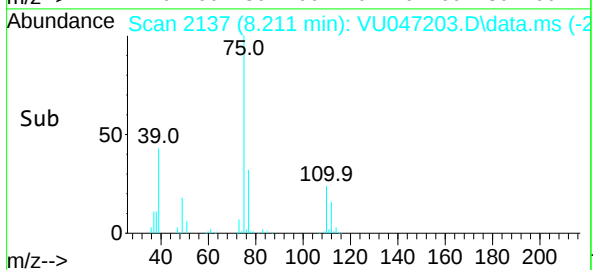
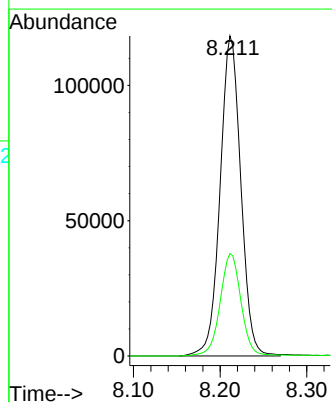
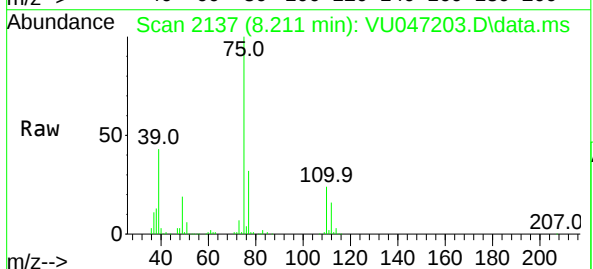
Instrument :
MSVOA_U
ClientSampleId :

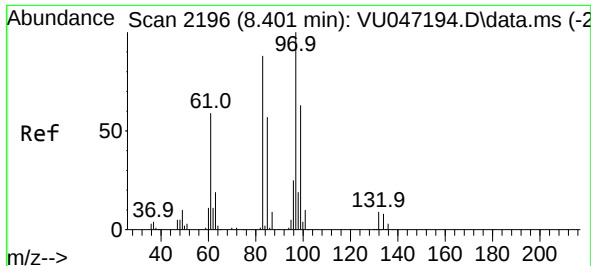
Tgt Ion: 91 Resp: 482116
Ion Ratio Lower Upper
91 100
92 57.4 40.4 75.0



#44
trans-1,3-Dichloropropene
Concen: 50.757 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

Tgt Ion: 75 Resp: 196256
Ion Ratio Lower Upper
75 100
77 32.0 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 54.787 ug/L

RT: 8.401 min Scan# 2196

Delta R.T. 0.000 min

Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 127766

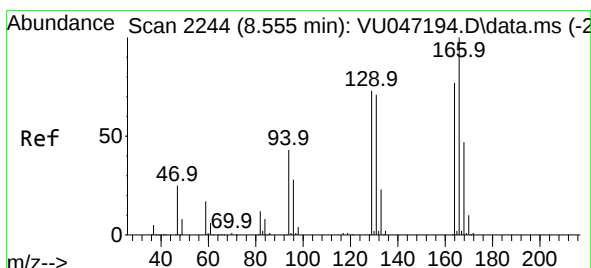
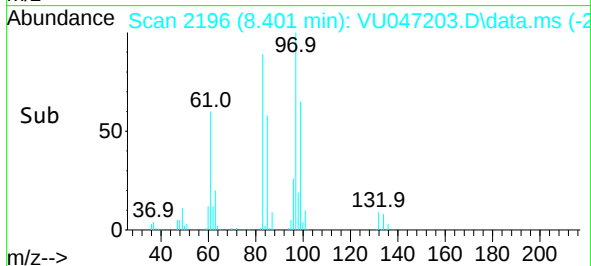
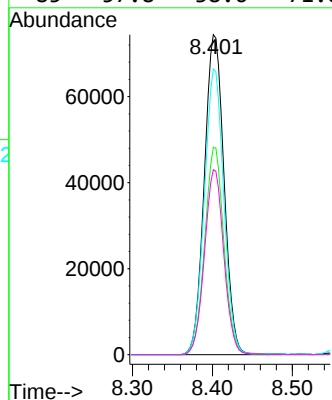
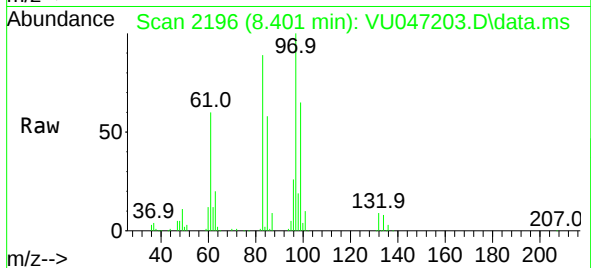
Ion Ratio Lower Upper

97 100

99 64.8 42.4 78.8

83 89.3 59.4 110.4

85 57.8 38.6 71.8



#46

Tetrachloroethene

Concen: 43.156 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

Tgt Ion: 164 Resp: 83358

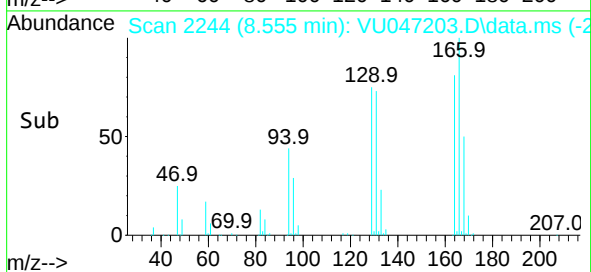
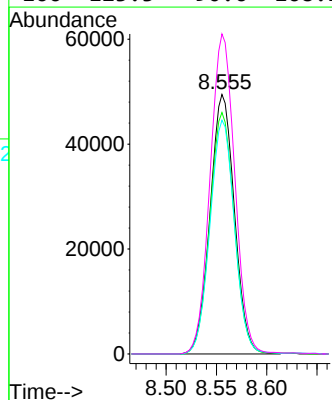
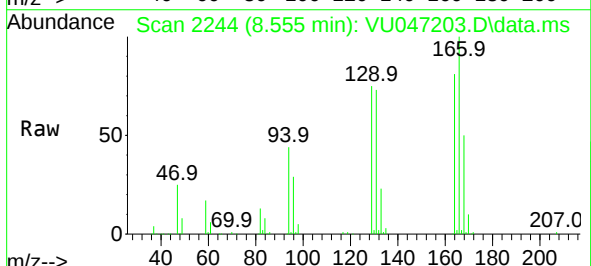
Ion Ratio Lower Upper

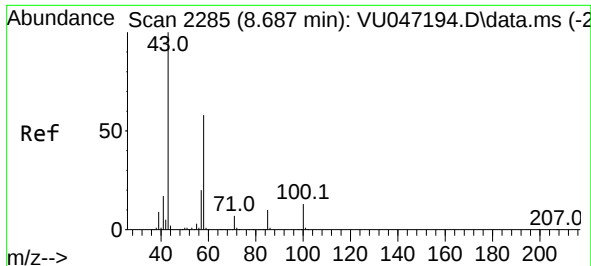
164 100

129 93.0 69.5 129.1

131 90.1 67.0 124.4

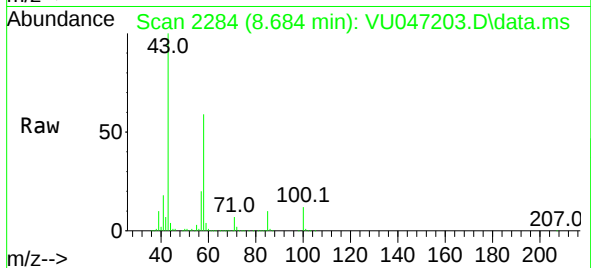
166 123.3 90.6 168.2



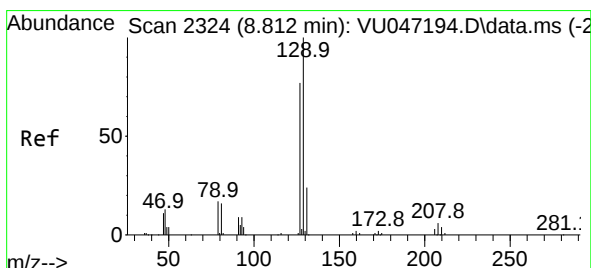
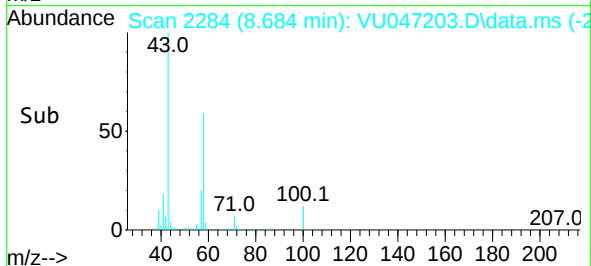
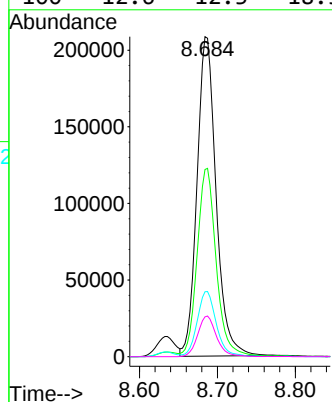


#48
2-Hexanone
Concen: 109.432 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

Instrument :
MSVOA_U
ClientSampleId :

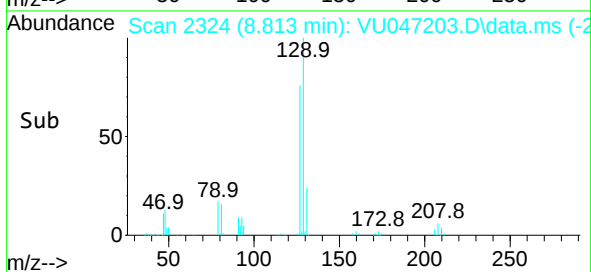
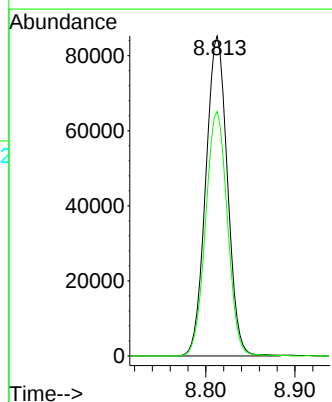
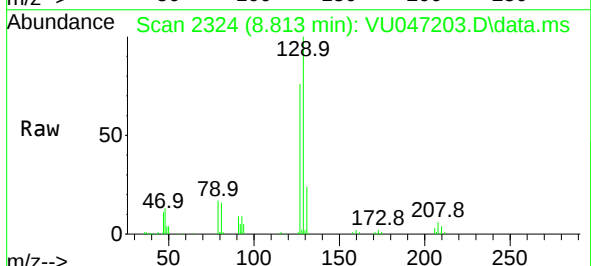


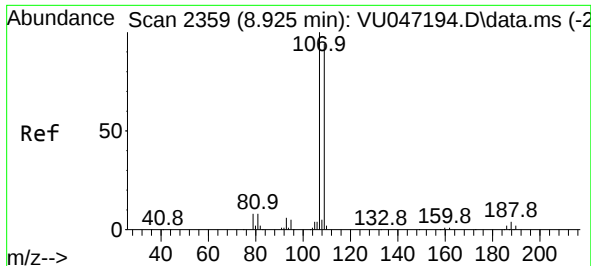
Tgt Ion: 43 Resp: 354843
Ion Ratio Lower Upper
43 100
58 58.4 49.4 74.2
57 20.4 17.5 26.3
100 12.6 12.3 18.5



#49
Dibromochloromethane
Concen: 53.220 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

Tgt Ion: 129 Resp: 143592
Ion Ratio Lower Upper
129 100
127 76.4 54.5 101.3





#50

1,2-Dibromoethane

Concen: 55.499 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

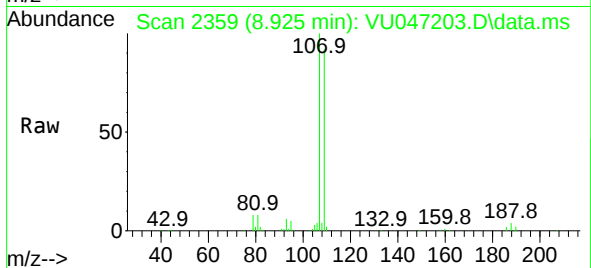
Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

Instrument :

MSVOA_U

ClientSampleId :



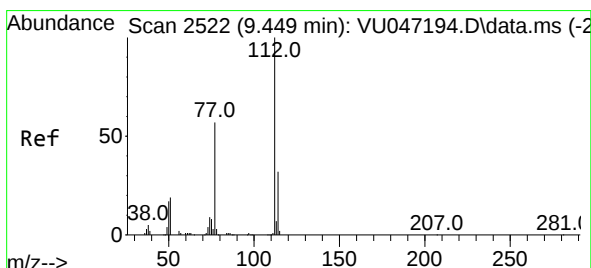
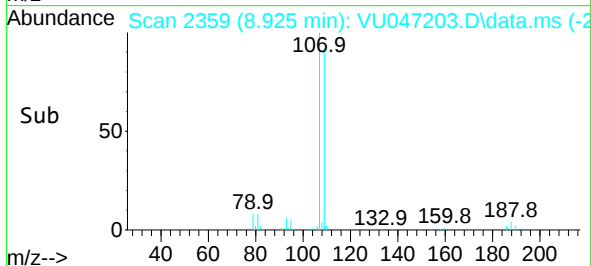
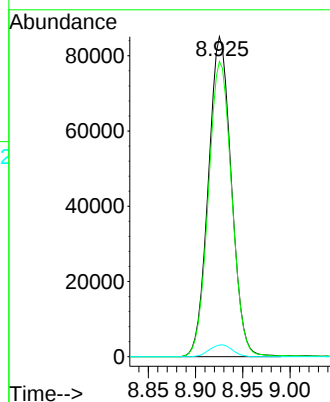
Tgt Ion:107 Resp: 143770

Ion Ratio Lower Upper

107 100

109 92.3 65.6 121.8

188 3.7 3.1 4.7



#51

Chlorobenzene

Concen: 48.332 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

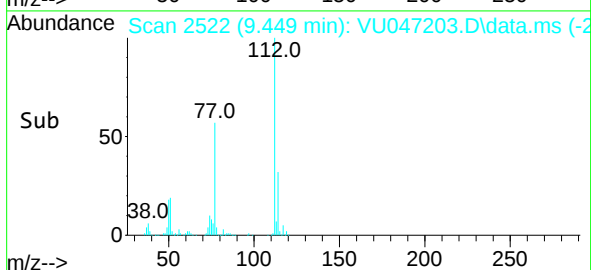
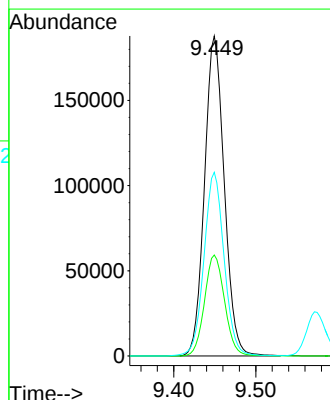
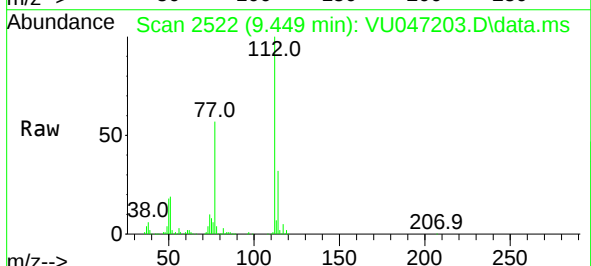
Tgt Ion:112 Resp: 314641

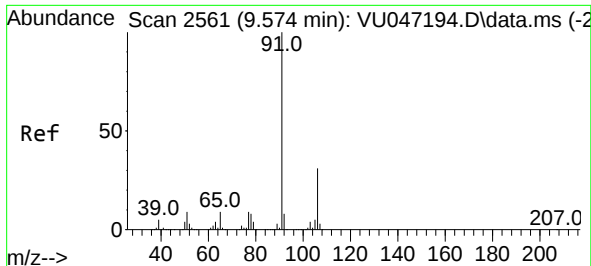
Ion Ratio Lower Upper

112 100

114 31.5 22.1 41.1

77 57.4 46.5 69.7

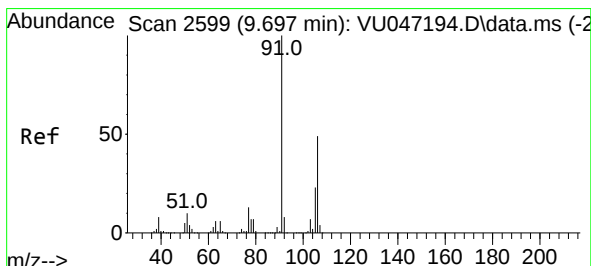
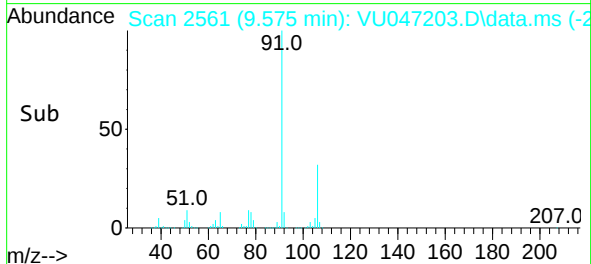
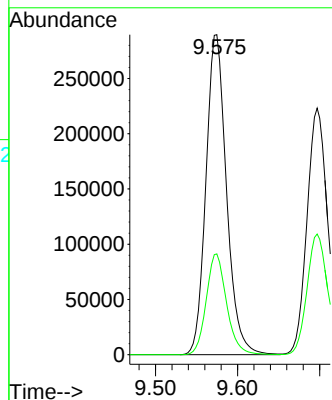
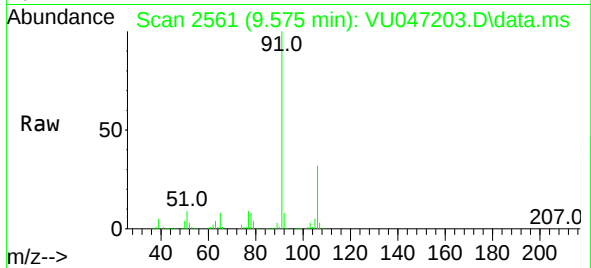




#52
Ethylbenzene
Concen: 45.464 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

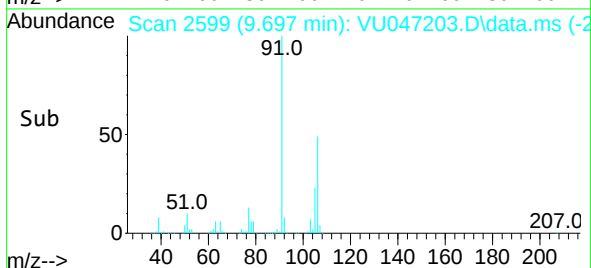
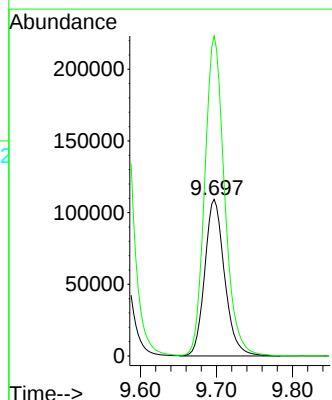
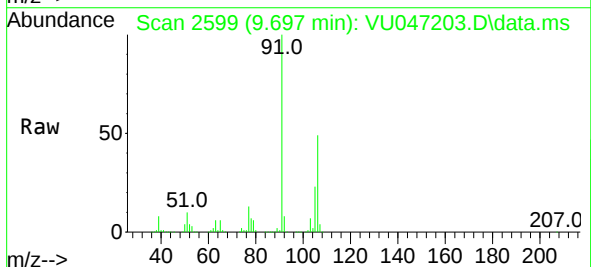
Instrument :
MSVOA_U
ClientSampleId :

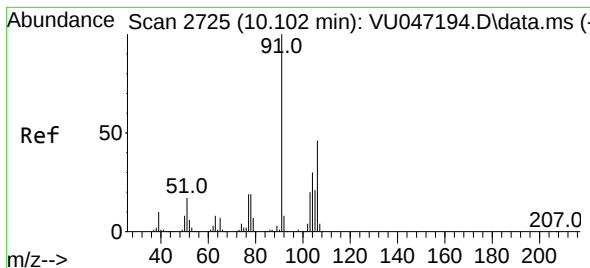
Tgt Ion: 91 Resp: 505184
Ion Ratio Lower Upper
91 100
106 31.5 21.8 40.4



#53
m,p-Xylene
Concen: 44.903 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

Tgt Ion: 106 Resp: 197961
Ion Ratio Lower Upper
106 100
91 204.4 145.5 270.1





#54

o-xylene

Concen: 46.375 ug/L

RT: 10.105 min Scan# 21

Delta R.T. 0.004 min

Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

Instrument :

MSVOA_U

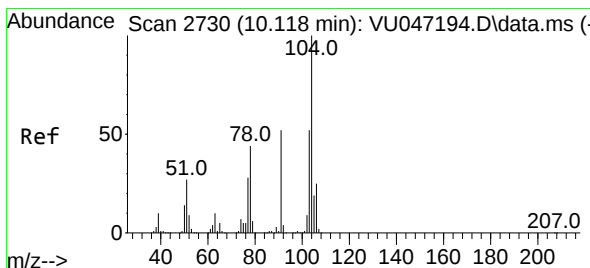
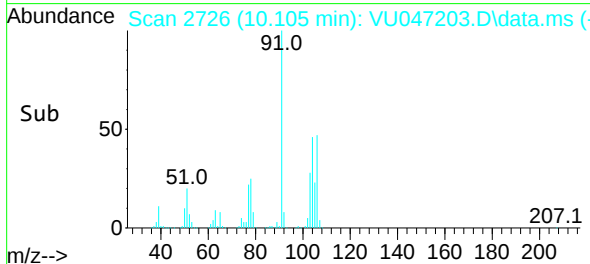
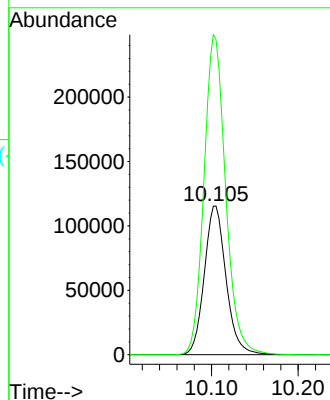
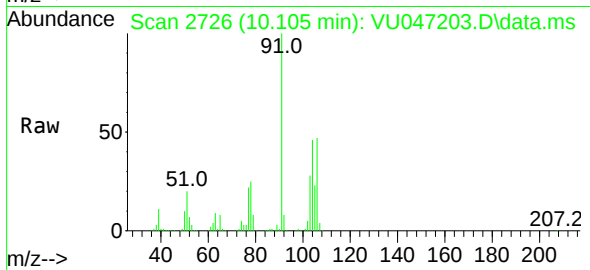
ClientSampleId :

Tgt Ion:106 Resp: 201305

Ion Ratio Lower Upper

106 100

91 212.0 152.0 282.2



#55

Styrene

Concen: 47.703 ug/L

RT: 10.118 min Scan# 2730

Delta R.T. 0.000 min

Lab File: VU047203.D

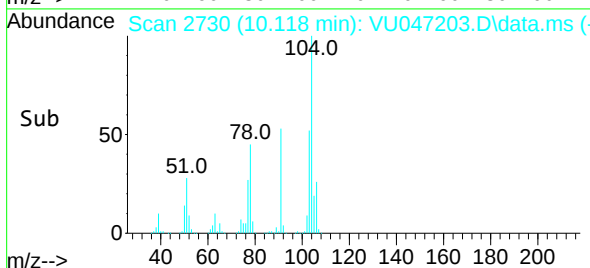
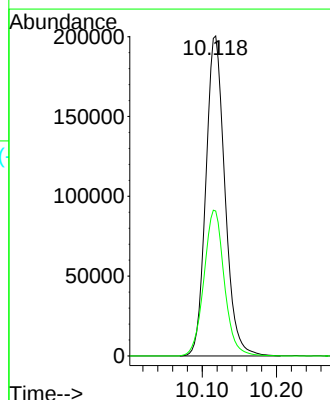
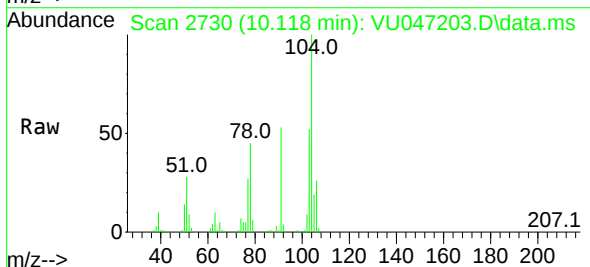
Acq: 17 Feb 2022 14:01

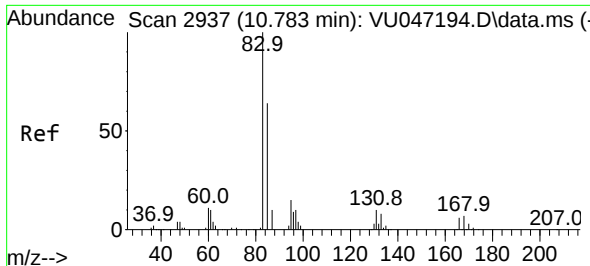
Tgt Ion:104 Resp: 356297

Ion Ratio Lower Upper

104 100

78 45.3 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 56.864 ug/L

RT: 10.784 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

Instrument :

MSVOA_U

ClientSampleId :

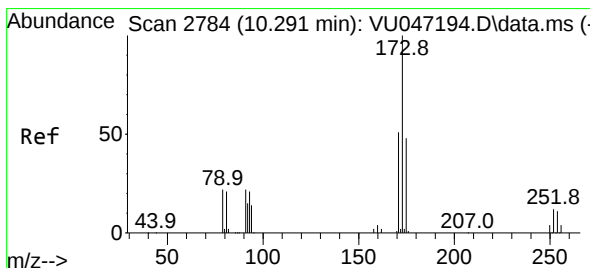
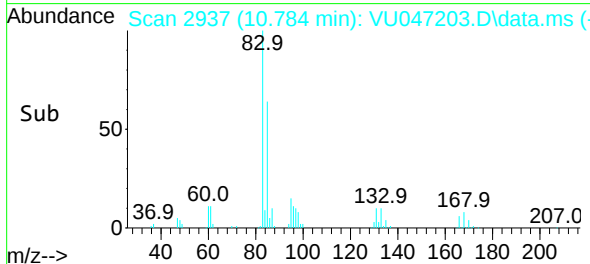
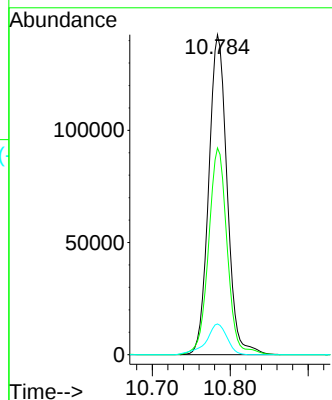
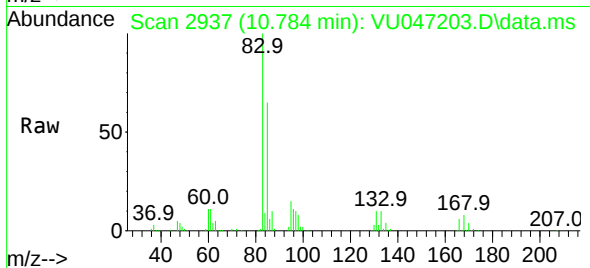
Tgt Ion: 83 Resp: 233780

Ion Ratio Lower Upper

83 100

85 64.6 44.7 83.1

131 9.6 7.8 11.6



#59

Bromoform

Concen: 51.697 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

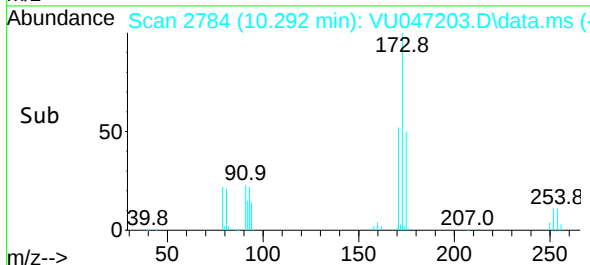
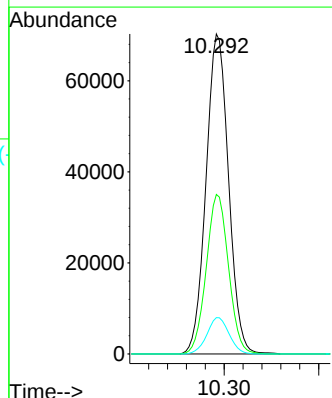
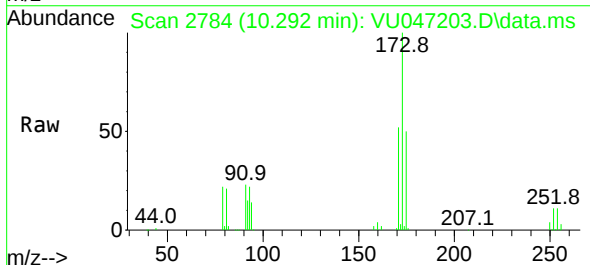
Tgt Ion:173 Resp: 116137

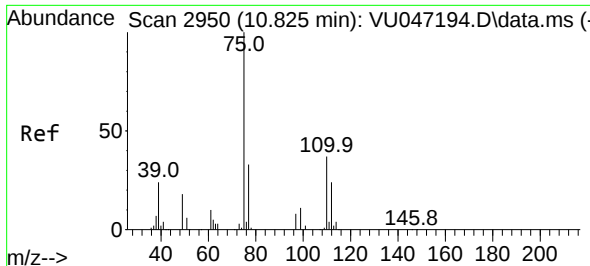
Ion Ratio Lower Upper

173 100

175 49.3 37.6 56.4

254 11.2 8.1 12.1

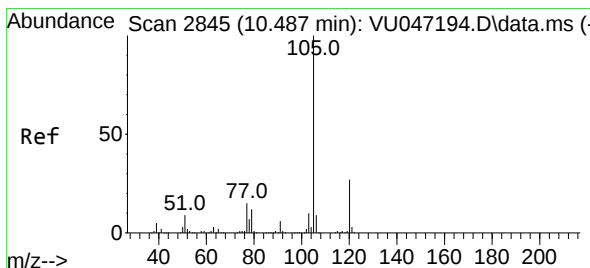
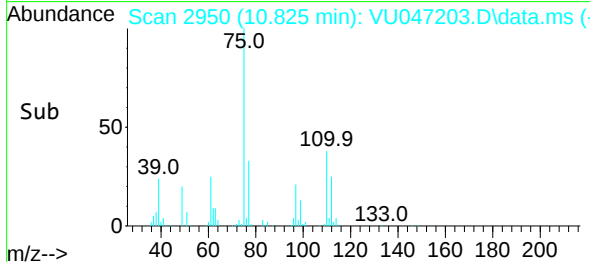
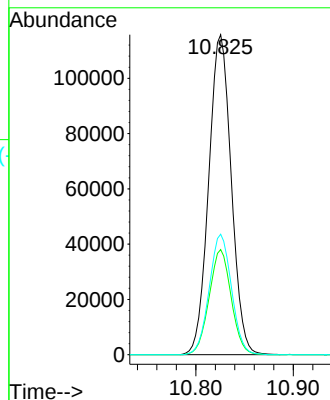
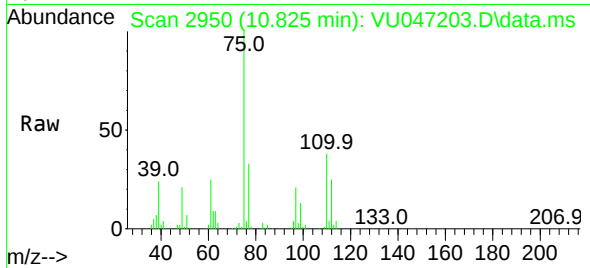




#60
1,2,3-Trichloropropane
Concen: 52.669 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

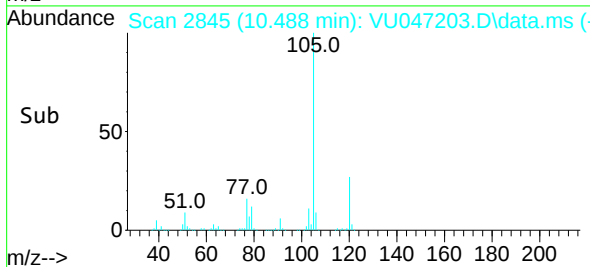
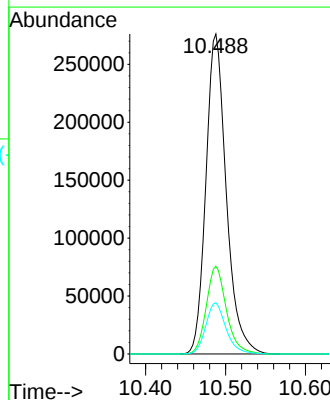
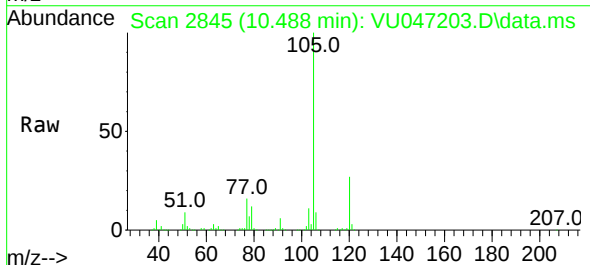
Instrument :
MSVOA_U
ClientSampleId :

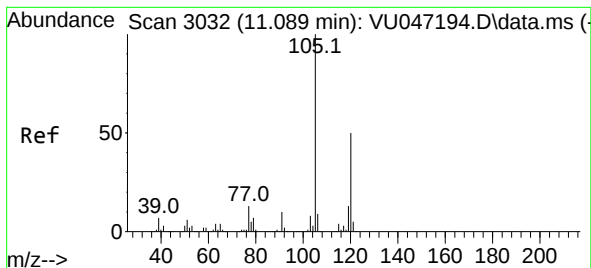
Tgt Ion: 75 Resp: 185788
Ion Ratio Lower Upper
75 100
77 32.2 26.2 39.2
110 37.2 32.5 48.7



#61
Isopropylbenzene
Concen: 42.081 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

Tgt Ion:105 Resp: 489499
Ion Ratio Lower Upper
105 100
120 27.1 20.6 31.0
77 15.9 12.6 18.8





#62

1,3,5-Trimethylbenzene

Concen: 41.547 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

Instrument :

MSVOA_U

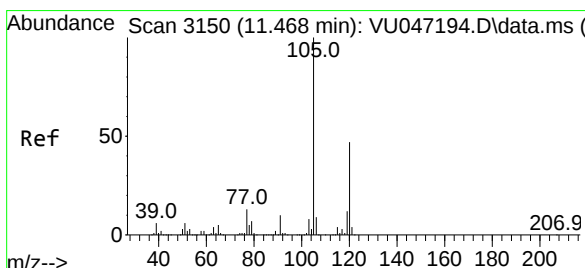
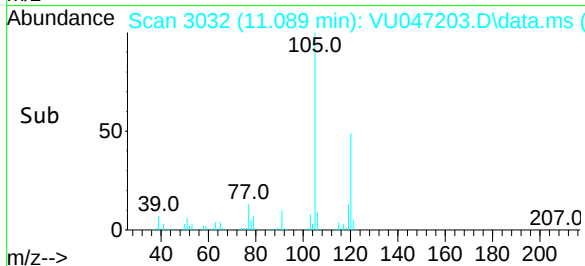
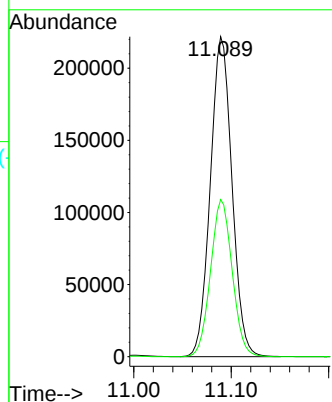
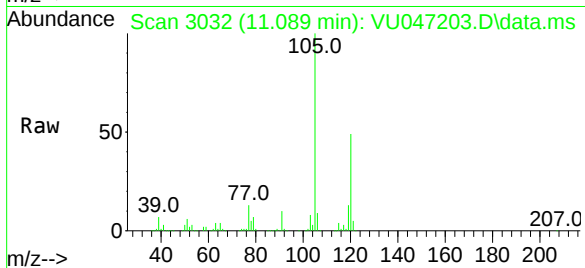
ClientSampleId :

Tgt Ion:105 Resp: 342516

Ion Ratio Lower Upper

105 100

120 49.1 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 42.390 ug/L

RT: 11.469 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU047203.D

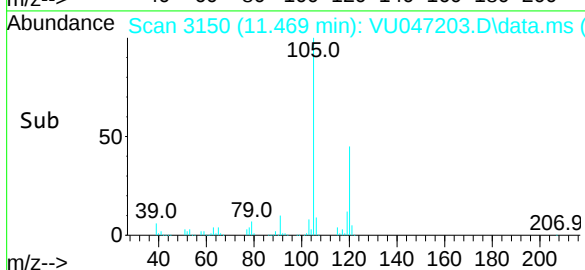
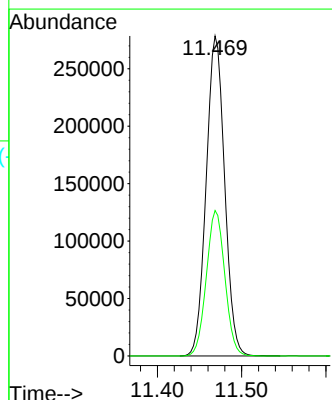
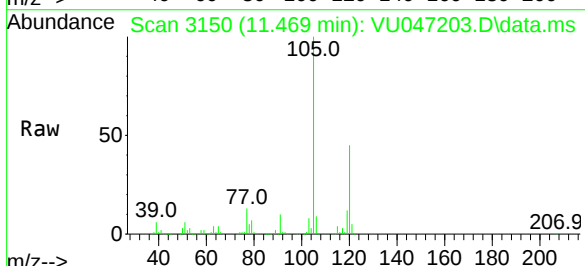
Acq: 17 Feb 2022 14:01

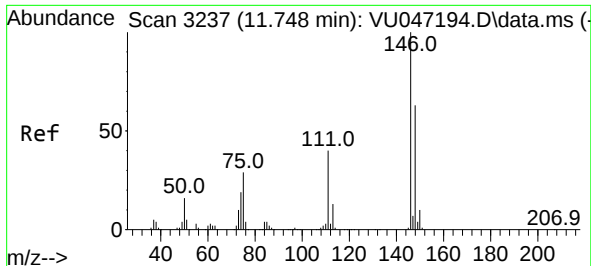
Tgt Ion:105 Resp: 424286

Ion Ratio Lower Upper

105 100

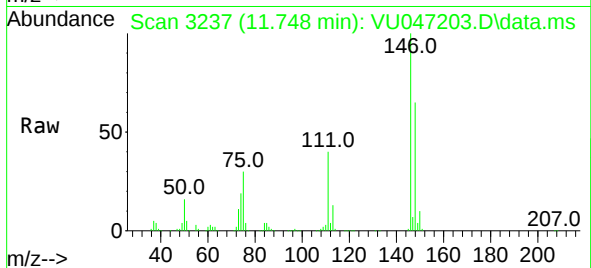
120 45.6 35.4 53.2



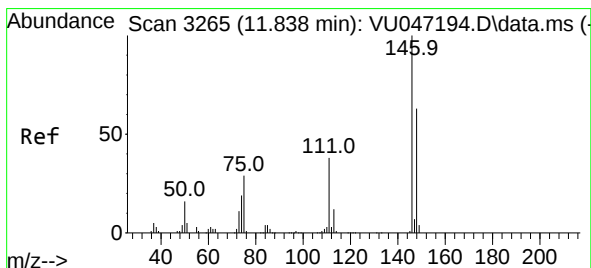
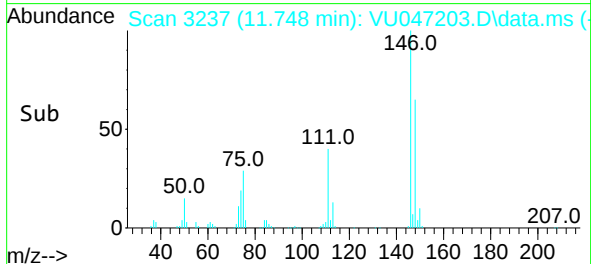
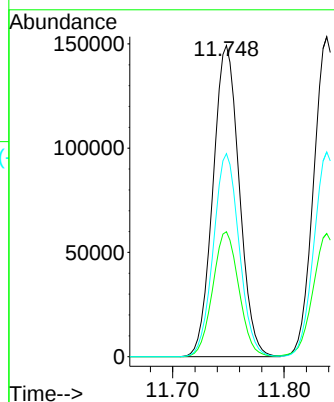


#64
1,3-Dichlorobenzene
Concen: 45.101 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

Instrument :
MSVOA_U
ClientSampleId :

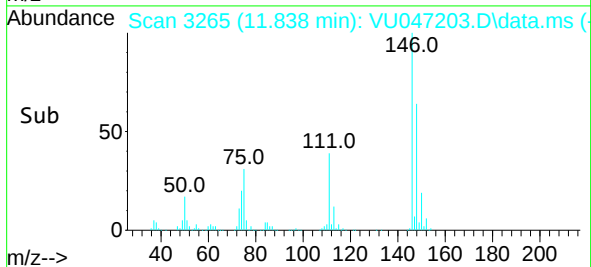
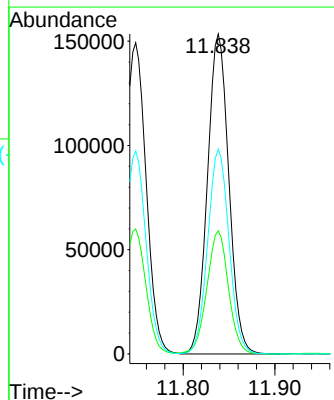
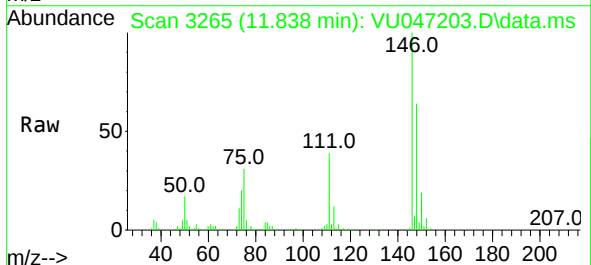


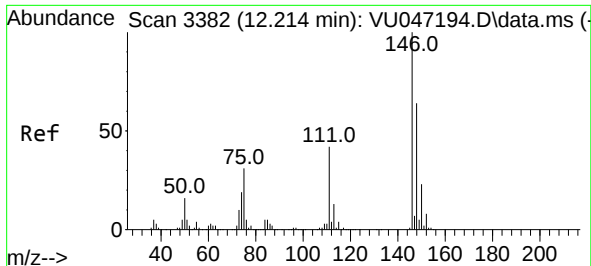
Tgt Ion:146 Resp: 244793
Ion Ratio Lower Upper
146 100
111 40.2 29.4 54.6
148 65.2 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 45.575 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

Tgt Ion:146 Resp: 248661
Ion Ratio Lower Upper
146 100
111 38.5 28.9 53.7
148 64.0 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 47.002 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

Instrument :

MSVOA_U

ClientSampleId :

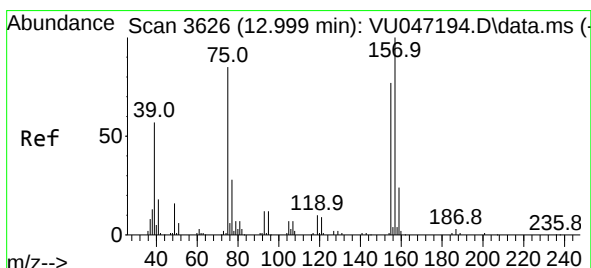
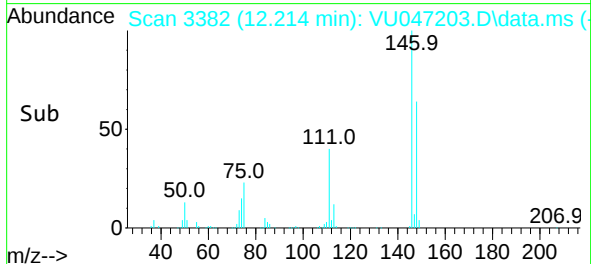
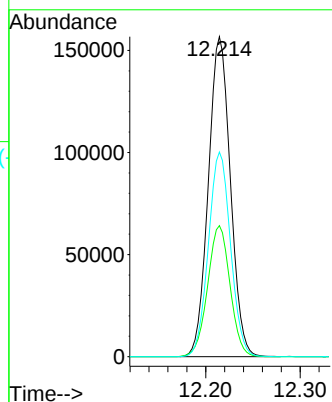
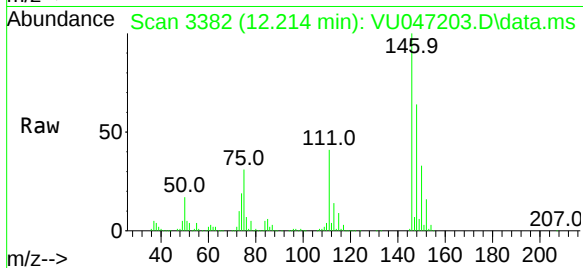
Tgt Ion:146 Resp: 253877

Ion Ratio Lower Upper

146 100

111 41.0 34.2 51.4

148 63.9 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 49.002 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU047203.D

Acq: 17 Feb 2022 14:01

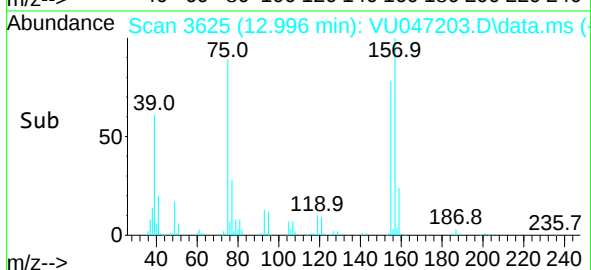
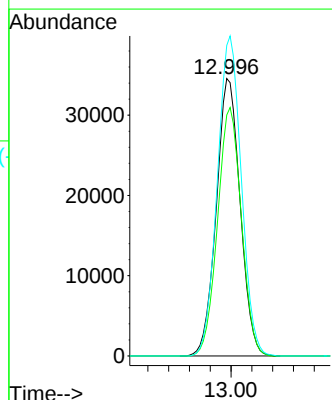
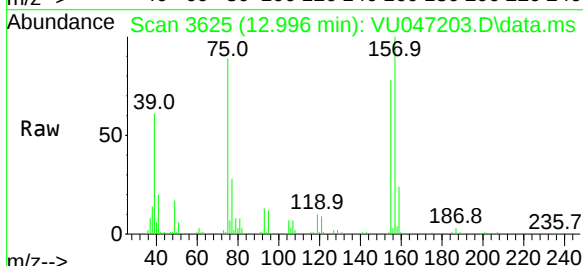
Tgt Ion: 75 Resp: 55070

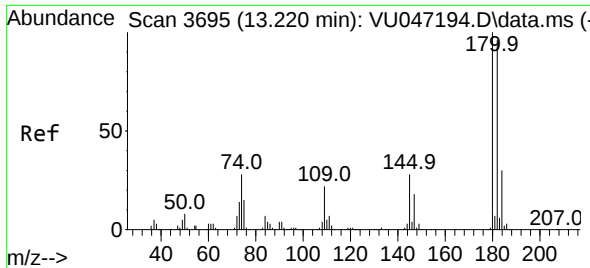
Ion Ratio Lower Upper

75 100

155 86.9 65.0 97.4

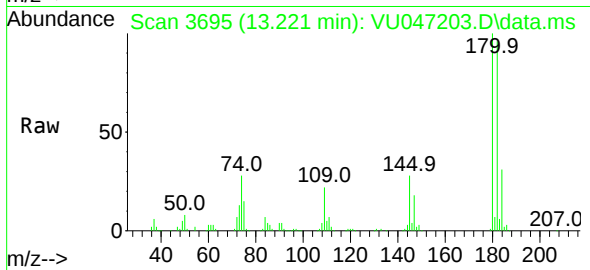
157 112.0 79.7 119.5



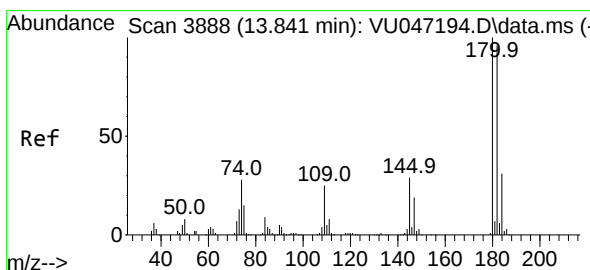
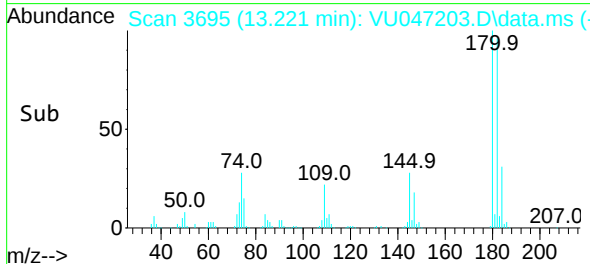
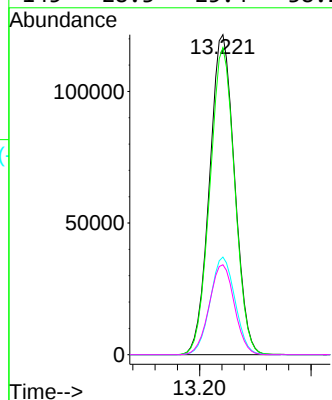


#69
 1,3,5-Trichlorobenzene
 Concen: 45.122 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU047203.D
 Acq: 17 Feb 2022 14:01

Instrument :
 MSVOA_U
 ClientSampleId :

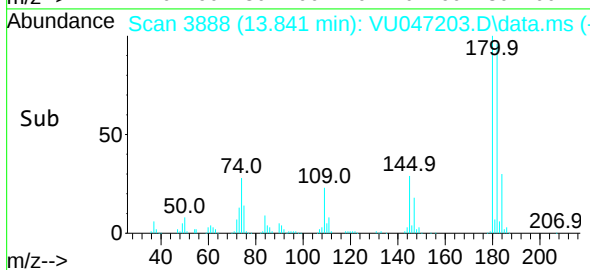
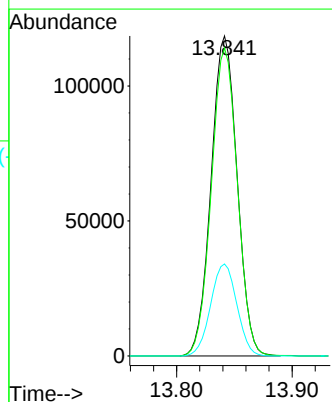
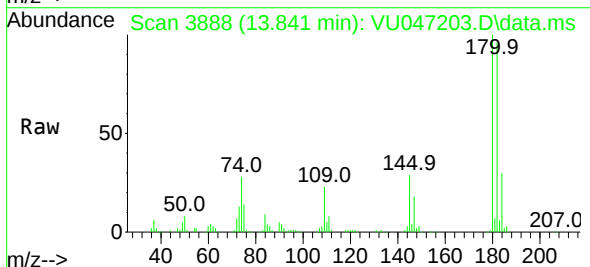


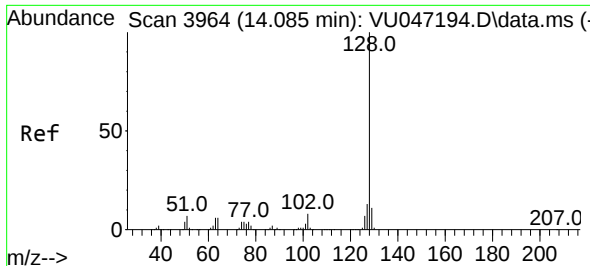
Tgt Ion:180 Resp: 189399
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.0 115.6
 184 30.3 24.7 37.1
 145 28.3 25.4 38.2



#70
 1,2,4-trichlorobenzene
 Concen: 46.653 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU047203.D
 Acq: 17 Feb 2022 14:01

Tgt Ion:180 Resp: 185630
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.6 114.8
 145 28.9 25.2 37.8

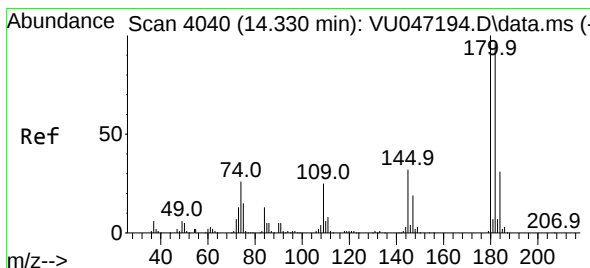
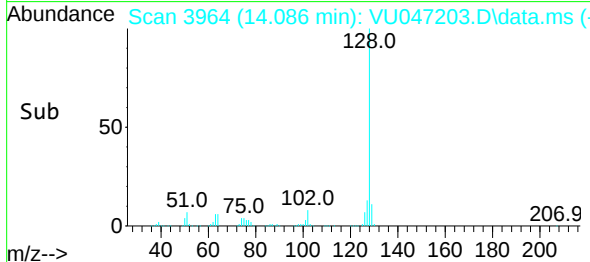
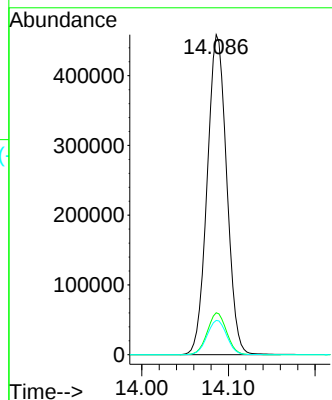
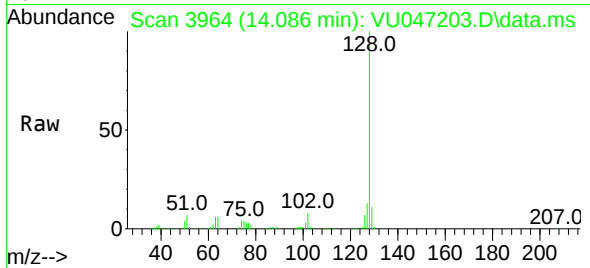




#71
Naphthalene
Concen: 50.972 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 718014
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.8 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 48.511 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU047203.D
Acq: 17 Feb 2022 14:01

Tgt Ion:180 Resp: 192195
Ion Ratio Lower Upper
180 100
182 95.9 76.6 115.0
145 30.8 27.4 41.2

