

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032422\
 Data File : VU047638.D
 Acq On : 24 Mar 2022 16:54
 Operator : SY/MD
 Sample : VSTD00554
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 24 23:09:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 24 23:06:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	371855	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	381081	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	219275	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	11401	3.782	ug/L	0.00
7) Chloroethane-d5	1.919	69	8501	3.647	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.575	63	21924	4.109	ug/L	0.00
21) 2-Butanone-d5	4.652	46	19052	7.825	ug/L	0.00
24) Chloroform-d	5.070	84	21025	4.137	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.706	65	13433	3.988	ug/L	0.00
32) Benzene-d6	5.732	84	40809	3.803	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.694	67	12981	3.918	ug/L	0.00
41) Toluene-d8	7.899	98	38659	3.914	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.182	79	5681	3.529	ug/L	0.00
47) 2-Hexanone-d5	8.642	63	13289	8.153	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	20990	4.085	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.195	152	17709	4.244	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	15986	4.206	ug/L	100
3) Chloromethane	1.523	50	15667	4.528	ug/L	96
5) Vinyl chloride	1.607	62	15839	4.541	ug/L	97
6) Bromomethane	1.864	94	8375	4.297	ug/L	98
8) Chloroethane	1.938	64	9707	4.764	ug/L	99
9) Trichlorofluoromethane	2.144	101	21162	4.593	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	12887	4.930	ug/L	99
12) 1,1-Dichloroethene	2.588	96	11712	4.736	ug/L	87
13) Acetone	2.662	43	23227	8.408	ug/L	40
14) Carbon disulfide	2.800	76	39874	5.197	ug/L	99
15) Methyl Acetate	2.964	43	15662	4.568	ug/L	96
16) Methylene chloride	3.054	84	13970	4.736	ug/L	92
17) trans-1,2-Dichloroethene	3.359	96	13230	5.064	ug/L	97
18) Methyl tert-butyl Ether	3.369	73	35385	4.459	ug/L	98
19) 1,1-Dichloroethane	3.877	63	21960	4.629	ug/L	98
20) cis-1,2-Dichloroethene	4.674	96	14278	5.034	ug/L	94
22) 2-Butanone	4.726	43	11265	3.660	ug/L	81
23) Bromochloromethane	4.983	128	7612	5.181	ug/L	94
25) Chloroform	5.092	83	24393	4.647	ug/L	93
27) 1,2-Dichloroethane	5.800	62	18686	4.794	ug/L	99
29) Cyclohexane	5.391	56	17251	4.162	ug/L	97
30) 1,1,1-Trichloroethane	5.324	97	21003	4.702	ug/L	98
31) Carbon tetrachloride	5.530	117	18158	4.747	ug/L	97
33) Benzene	5.780	78	52857	4.773	ug/L	100
34) Trichloroethene	6.546	95	14399	4.957	ug/L	95
35) Methylcyclohexane	6.764	83	20419	4.613	ug/L	98
37) 1,2-Dichloropropane	6.796	63	13146	4.555	ug/L	# 94
38) Bromodichloromethane	7.108	83	18680	4.837	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	19353	4.426	ug/L	98
40) 4-Methyl-2-pentanone	7.800	43	39174	9.225	ug/L	98
42) Toluene	7.973	91	55430	4.653	ug/L	98
44) trans-1,3-Dichloropropene	8.214	75	19159	4.471	ug/L	89

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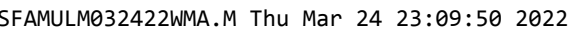
Instrument :
 MSVOA_U
 ClientSampleId :

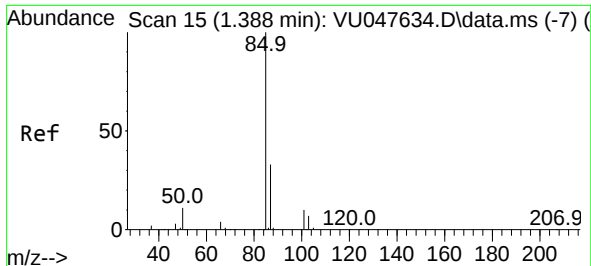
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 QLast Update : Thu Mar 24 23:06:34 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.404	97	14331	4.888	ug/L	96
46) Tetrachloroethene	8.555	164	12322	5.569	ug/L	98
48) 2-Hexanone	8.690	43	34486	9.176	ug/L	98
49) Dibromochloromethane	8.812	129	16182	5.207	ug/L	95
50) 1,2-Dibromoethane	8.928	107	15518	4.889	ug/L	95
51) Chlorobenzene	9.449	112	39122	5.054	ug/L	97
52) Ethylbenzene	9.571	91	56460	4.482	ug/L	97
53) m,p-Xylene	9.697	106	21961	4.449	ug/L	92
54) o-Xylene	10.102	106	21010	4.364	ug/L	96
55) Styrene	10.115	104	33845	4.136	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	25509	4.993	ug/L	96
59) Bromoform	10.295	173	13031	5.154	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	20381	4.469	ug/L	98
61) Isopropylbenzene	10.488	105	53368	4.030	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	27586	2.658	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	39912	3.641	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	31581	4.876	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	34340	5.124	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	32352	4.945	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	6393	5.116	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	26661	5.570	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	22596	5.324	ug/L	99
71) Naphthalene	14.089	128	64362	4.535	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	22601	5.258	ug/L	98

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

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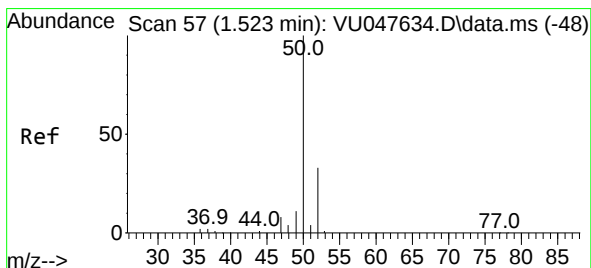
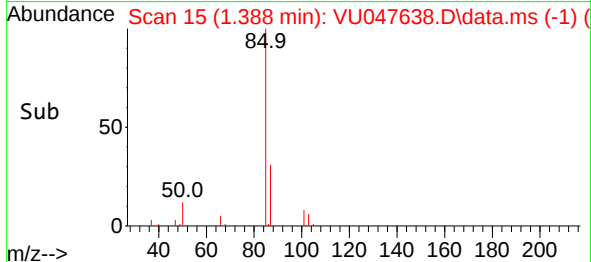
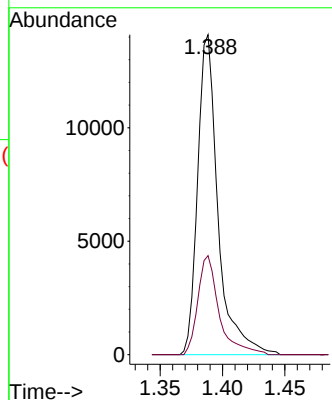
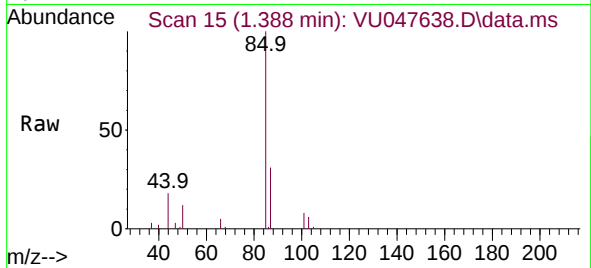




#2
Dichlorodifluoromethane
Concen: 4.206 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

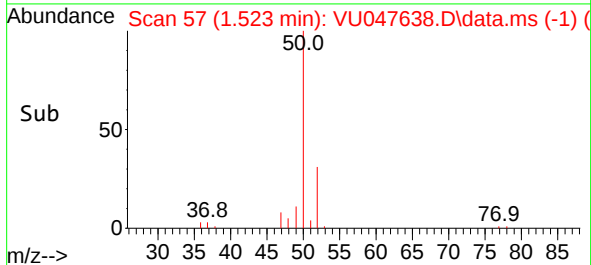
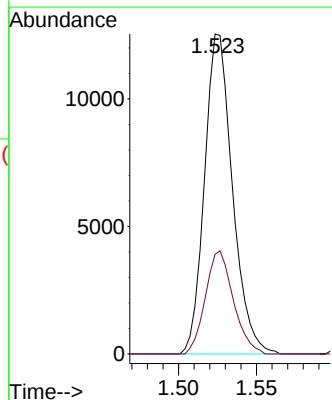
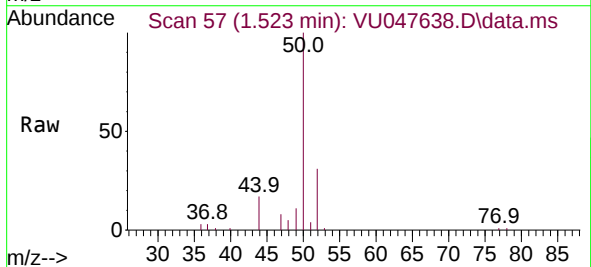
Instrument :
MSVOA_U
ClientSampleId :

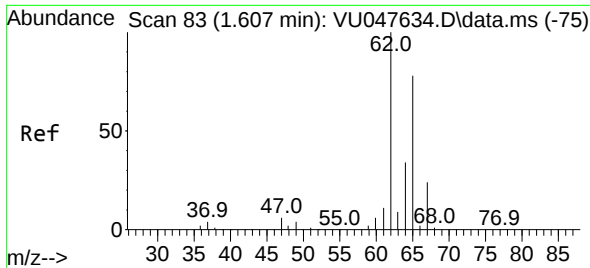
Tgt Ion: 85 Resp: 15986
Ion Ratio Lower Upper
85 100
87 32.4 25.8 38.8



#3
Chloromethane
Concen: 4.528 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

Tgt Ion: 50 Resp: 15667
Ion Ratio Lower Upper
50 100
52 31.1 23.2 43.2

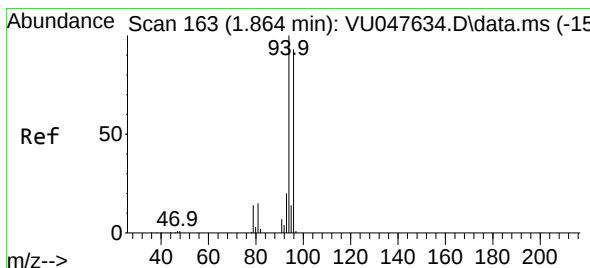
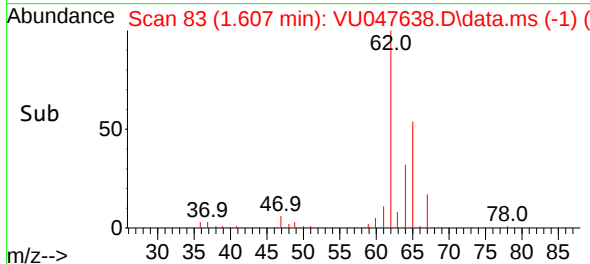
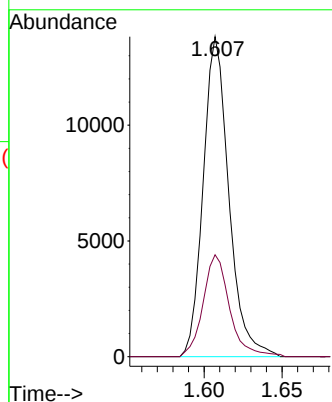
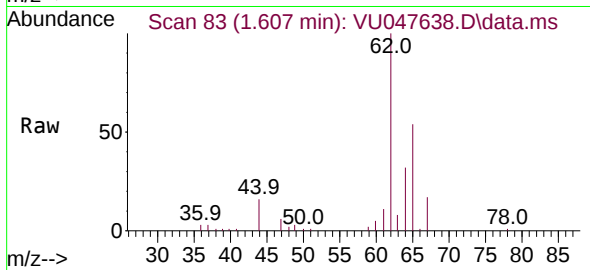




#5
 Vinyl chloride
 Concen: 4.541 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU047638.D
 Acq: 24 Mar 2022 16:54

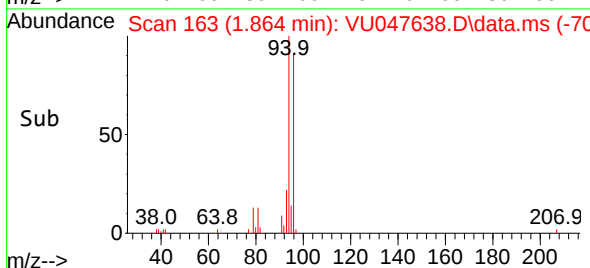
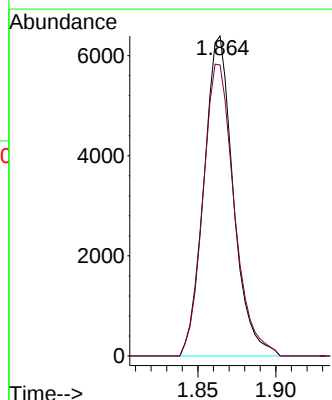
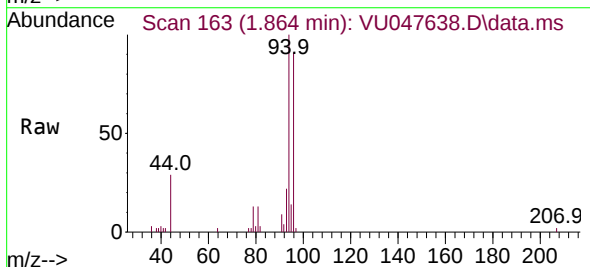
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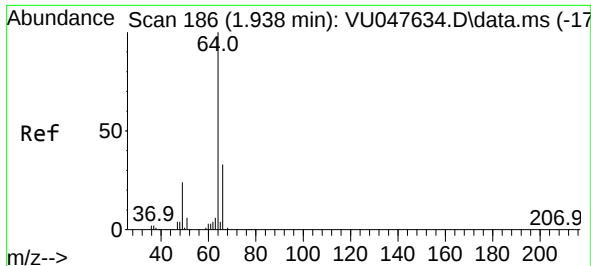
Tgt Ion: 62 Resp: 15839
 Ion Ratio Lower Upper
 62 100
 64 31.9 23.7 43.9



#6
 Bromomethane
 Concen: 4.297 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.000 min
 Lab File: VU047638.D
 Acq: 24 Mar 2022 16:54

Tgt Ion: 94 Resp: 8375
 Ion Ratio Lower Upper
 94 100
 96 91.0 64.8 120.3

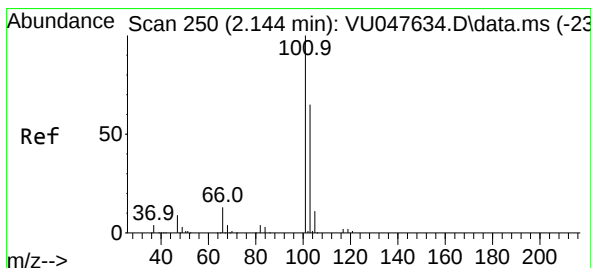
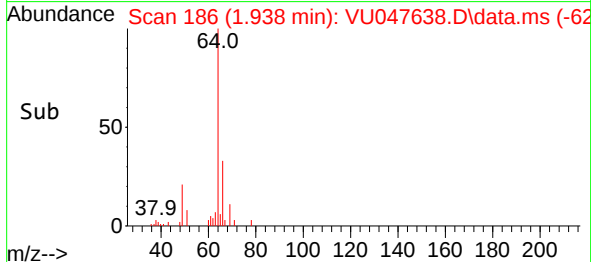
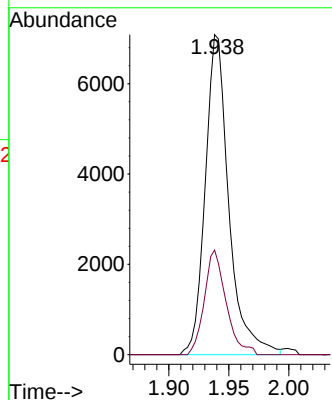
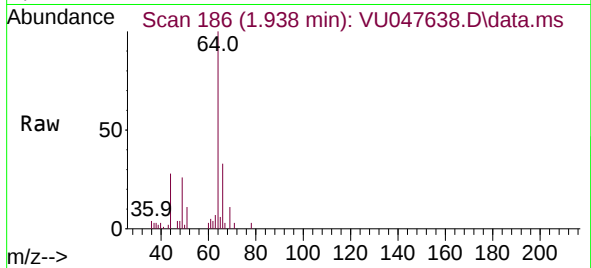




#8
Chloroethane
Concen: 4.764 ug/L
RT: 1.938 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

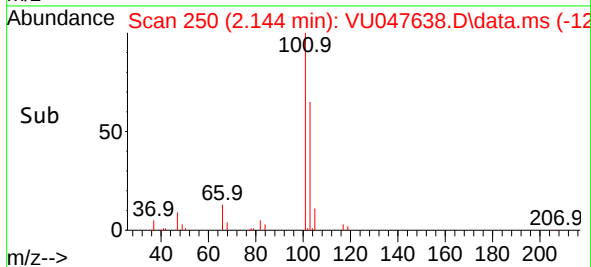
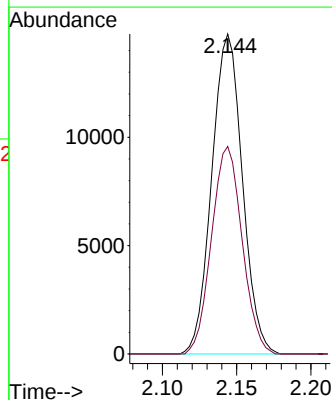
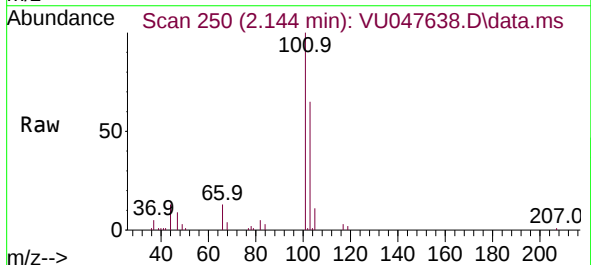
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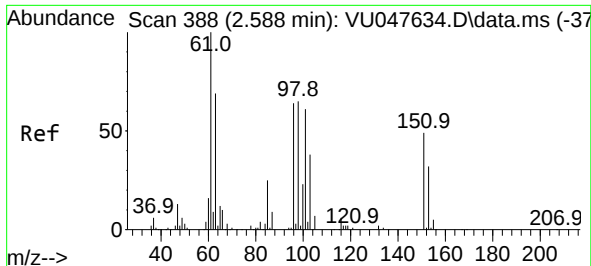
Tgt Ion: 64 Resp: 9707
Ion Ratio Lower Upper
64 100
66 32.7 23.3 43.3



#9
Trichlorofluoromethane
Concen: 4.593 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

Tgt Ion: 101 Resp: 21162
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.2





#10

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

Concen: 4.930 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.000 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

Instrument :

MSVOA_U

ClientSampleId :

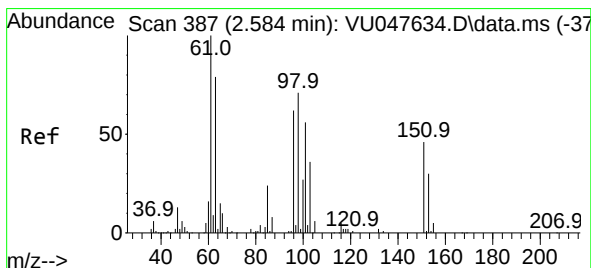
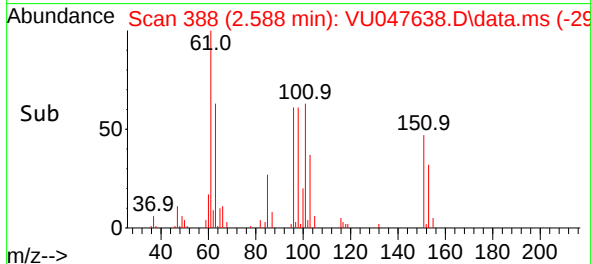
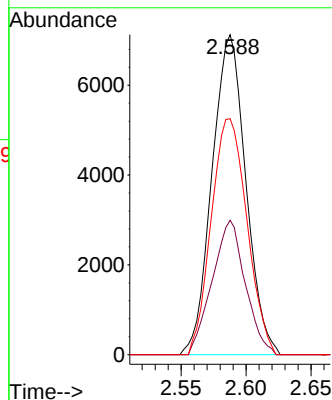
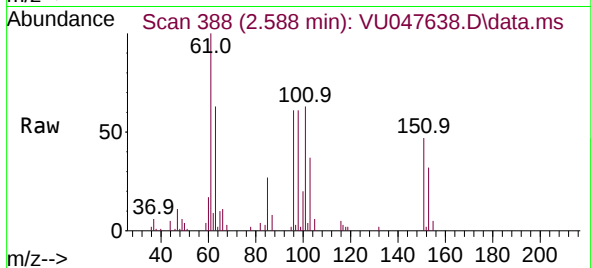
Tgt Ion:101 Resp: 12887

Ion Ratio Lower Upper

101 100

85 41.1 32.8 49.2

151 77.9 63.0 94.6



#12

1,1-Dichloroethene

Concen: 4.736 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.003 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

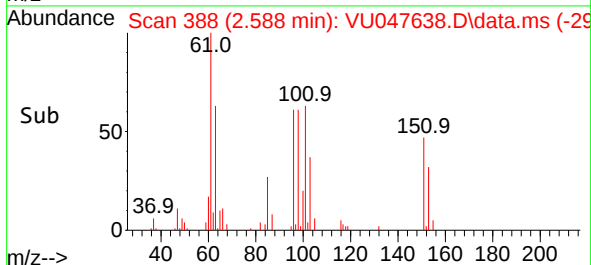
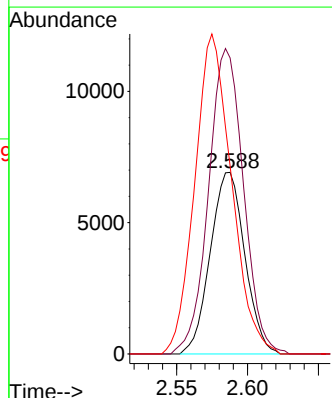
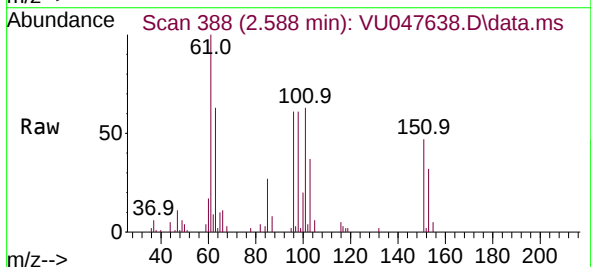
Tgt Ion: 96 Resp: 11712

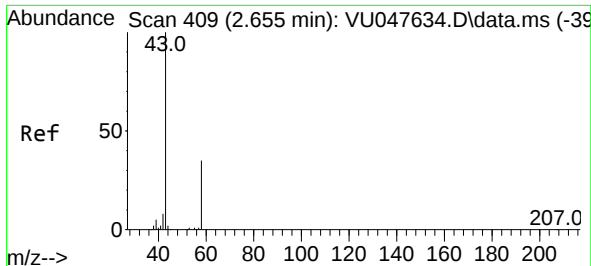
Ion Ratio Lower Upper

96 100

61 163.0 113.1 210.1

63 103.4 94.8 176.0





#13

Acetone

Concen: 8.408 ug/L

RT: 2.662 min Scan# 411

Delta R.T. 0.007 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

Instrument :

MSVOA_U

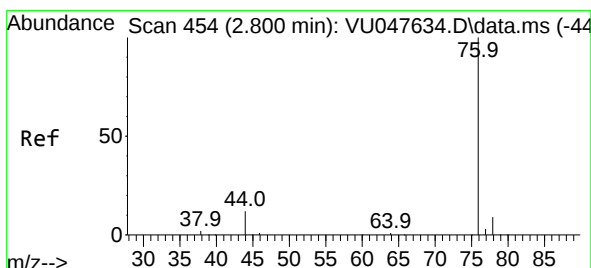
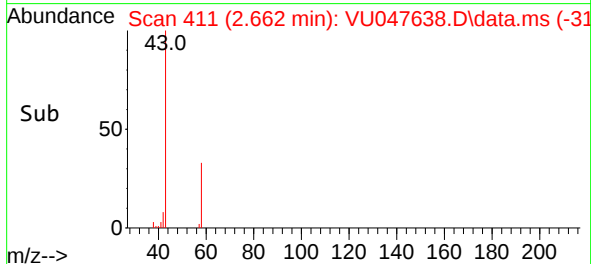
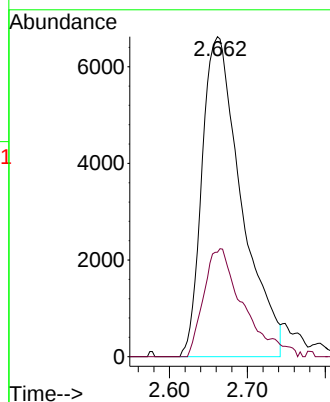
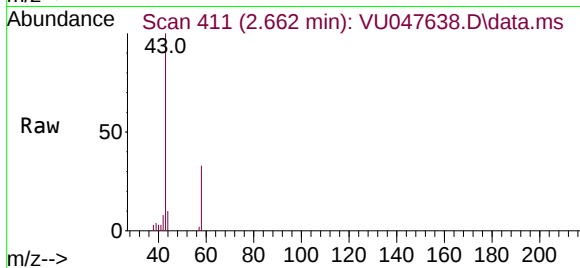
ClientSampleId :

Tgt Ion: 43 Resp: 23227

Ion Ratio Lower Upper

43 100

58 0.1 0.0 70.0



#14

Carbon disulfide

Concen: 5.197 ug/L

RT: 2.800 min Scan# 454

Delta R.T. 0.000 min

Lab File: VU047638.D

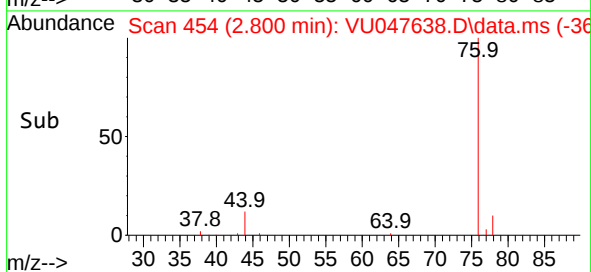
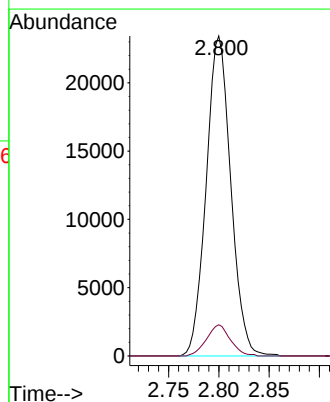
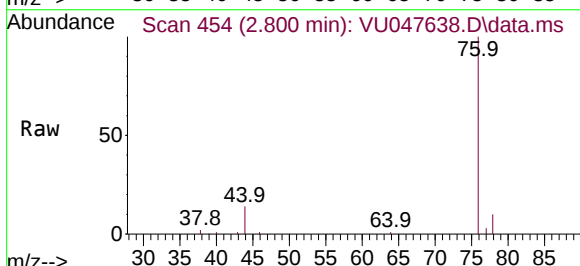
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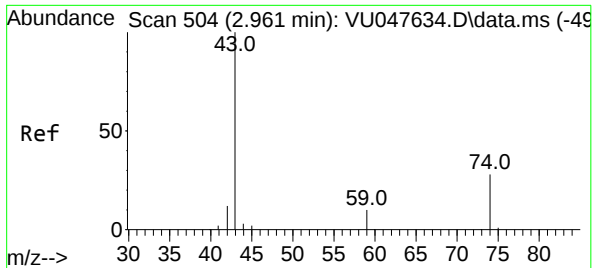
Tgt Ion: 76 Resp: 39874

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0

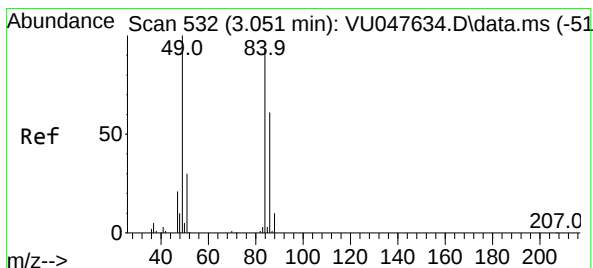
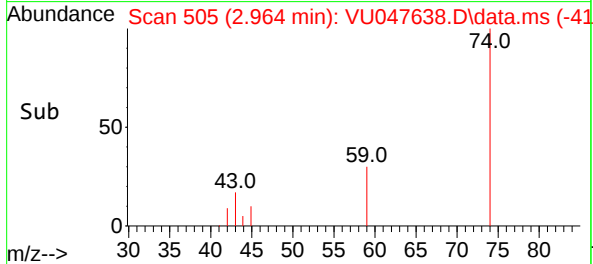
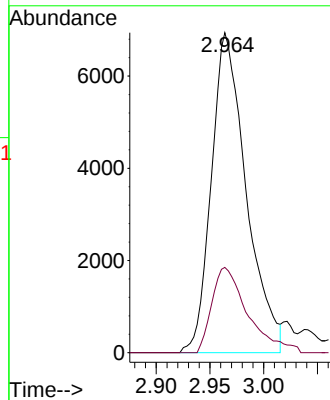
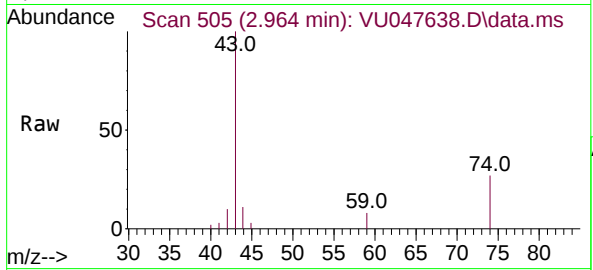




#15
Methyl Acetate
Concen: 4.568 ug/L
RT: 2.964 min Scan# 504
Delta R.T. 0.003 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

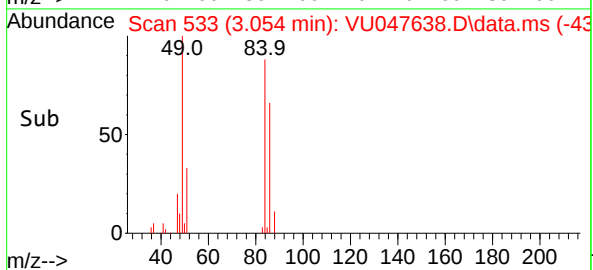
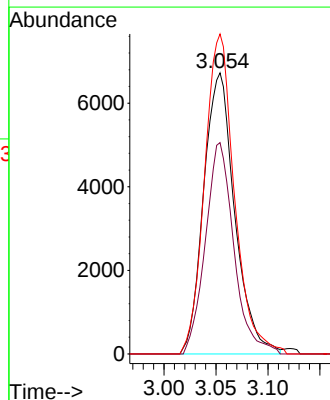
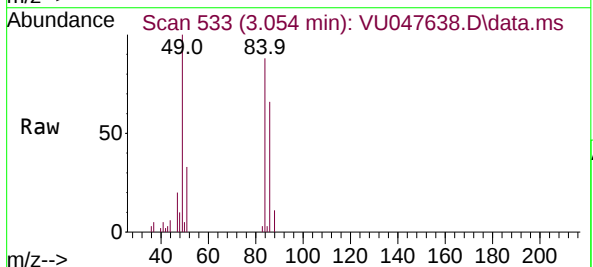
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MSVOA_U
ClientSampleId :

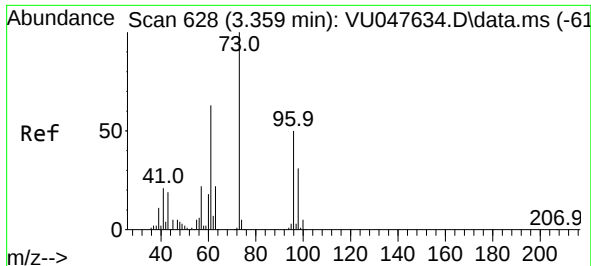
Tgt Ion: 43 Resp: 15662
Ion Ratio Lower Upper
43 100
74 25.8 22.2 33.2



#16
Methylene chloride
Concen: 4.736 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

Tgt Ion: 84 Resp: 13970
Ion Ratio Lower Upper
84 100
86 75.2 46.0 85.4
49 113.8 75.3 139.8





#17

trans-1,2-Dichloroethene

Concen: 5.064 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

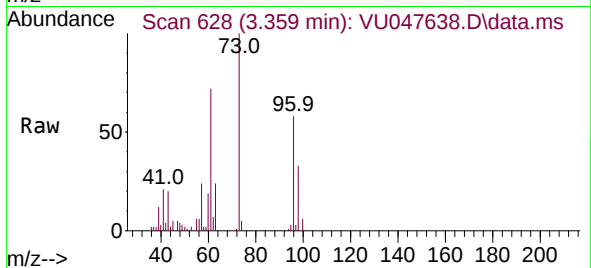
Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

Instrument :

MSVOA_U

ClientSampleId :



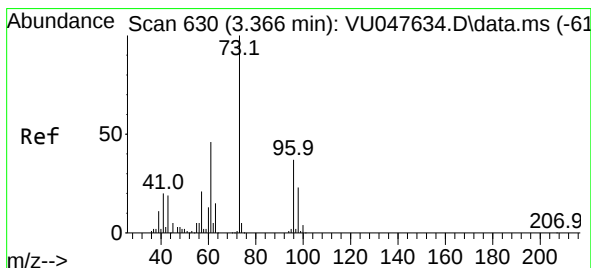
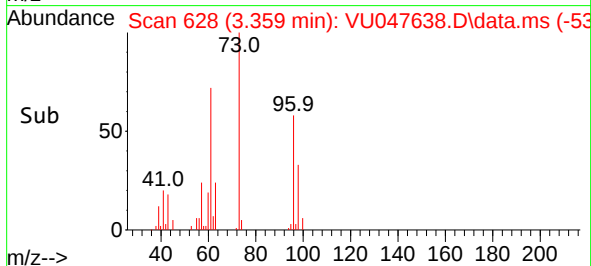
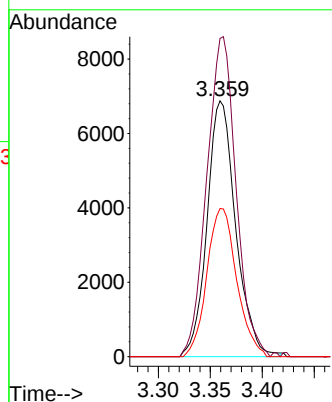
Tgt Ion: 96 Resp: 13230

Ion Ratio Lower Upper

96 100

61 124.4 88.4 164.2

98 57.9 43.3 80.5



#18

Methyl tert-butyl Ether

Concen: 4.459 ug/L

RT: 3.369 min Scan# 631

Delta R.T. 0.003 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

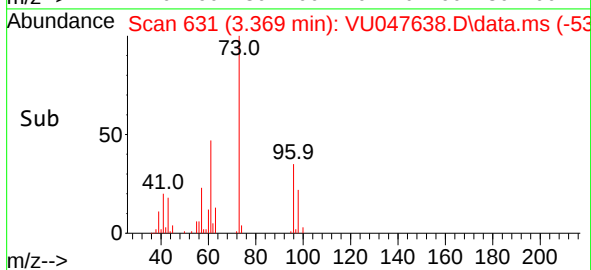
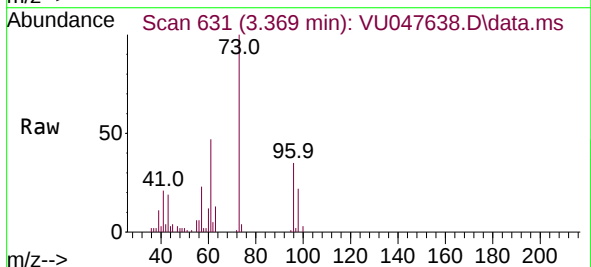
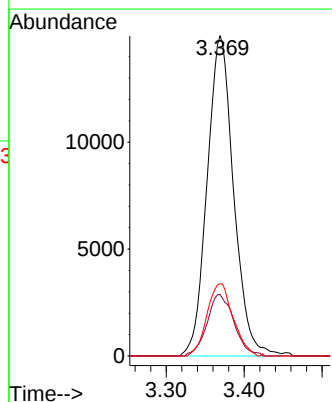
Tgt Ion: 73 Resp: 35385

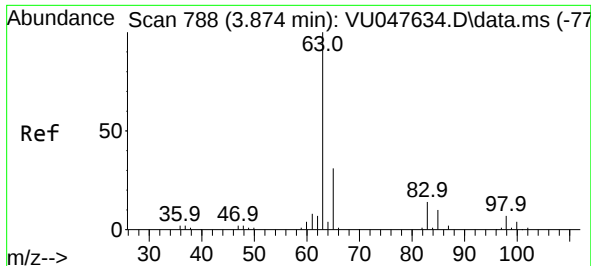
Ion Ratio Lower Upper

73 100

43 19.6 15.3 22.9

57 22.3 17.0 25.6





#19

1,1-Dichloroethane

Concen: 4.629 ug/L

RT: 3.877 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU047638.D

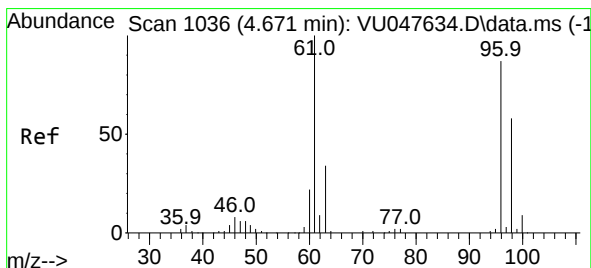
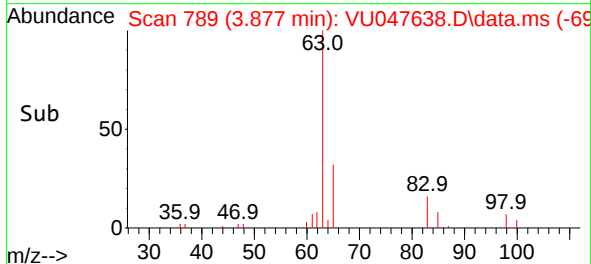
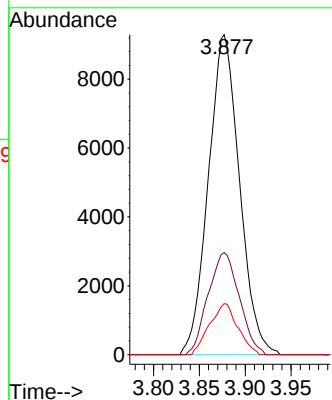
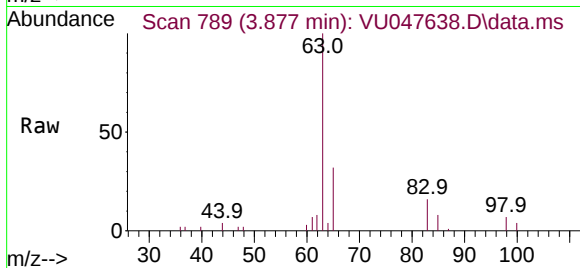
Acq: 24 Mar 2022 16:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 21960
Ion Ratio	Lower Upper
63 100	
65 31.9	22.0 41.0
83 16.0	9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 5.034 ug/L

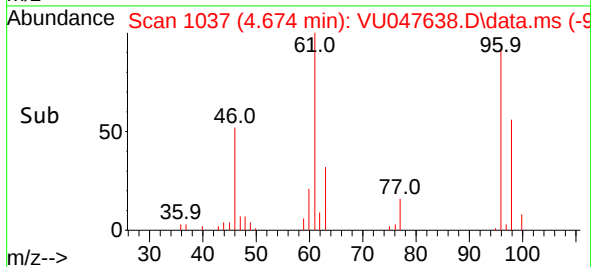
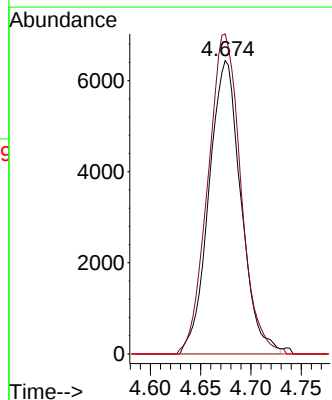
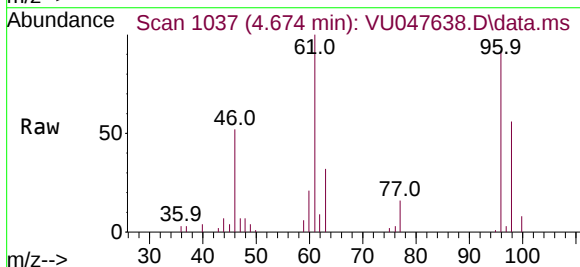
RT: 4.674 min Scan# 1037

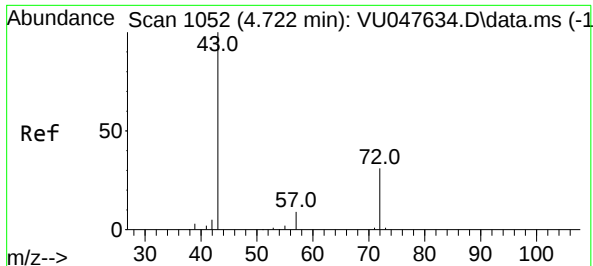
Delta R.T. 0.003 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

Tgt Ion: 96	Resp: 14278
Ion Ratio	Lower Upper
96 100	
61 109.1	80.7 149.9
68 0.0	0.0 0.0





#22

2-Butanone

Concen: 3.660 ug/L

RT: 4.726 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

Instrument :

MSVOA_U

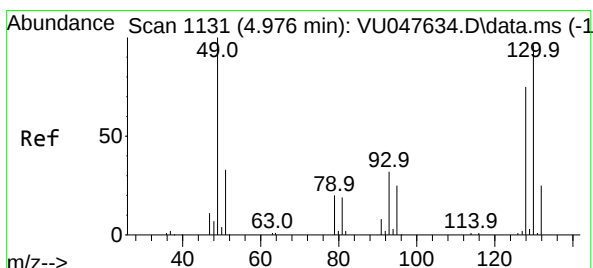
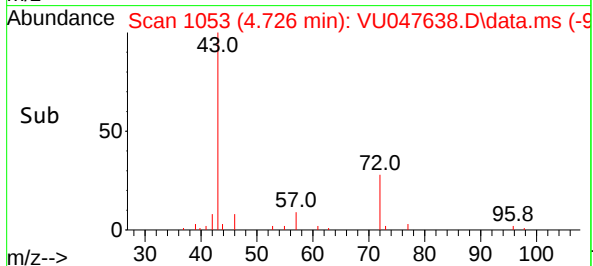
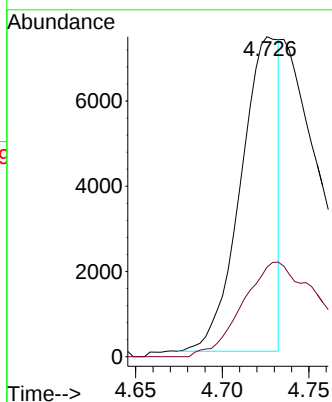
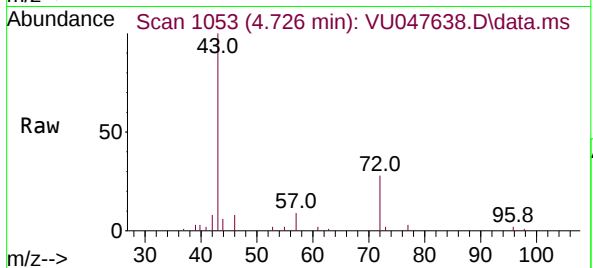
ClientSampleId :

Tgt Ion: 43 Resp: 11265

Ion Ratio Lower Upper

43 100

72 42.2 16.0 47.9



#23

Bromochloromethane

Concen: 5.181 ug/L

RT: 4.983 min Scan# 1133

Delta R.T. 0.007 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

Tgt Ion: 128 Resp: 7612

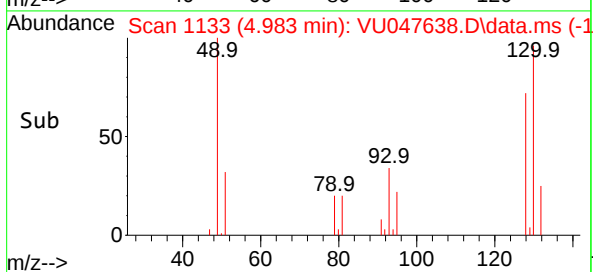
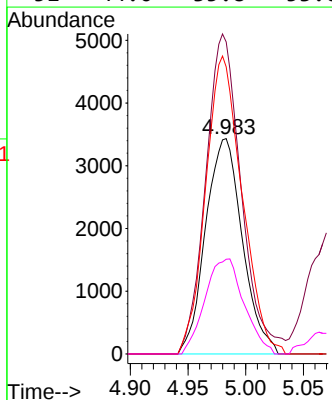
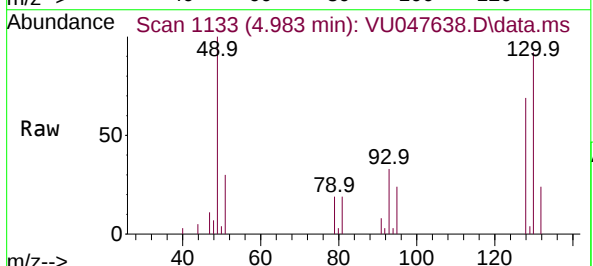
Ion Ratio Lower Upper

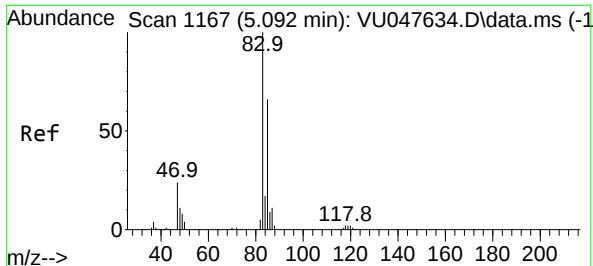
128 100

49 144.9 94.1 174.8

130 133.3 90.2 167.4

51 44.0 35.8 53.6





#25

Chloroform

Concen: 4.647 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

Instrument :

MSVOA_U

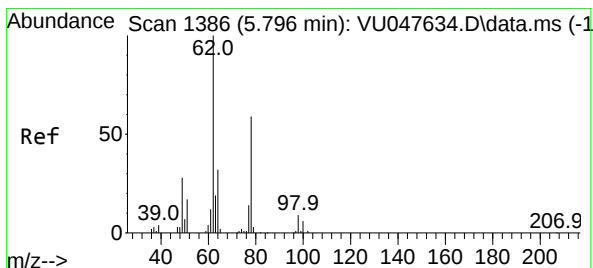
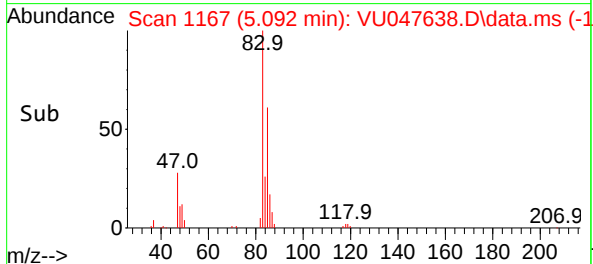
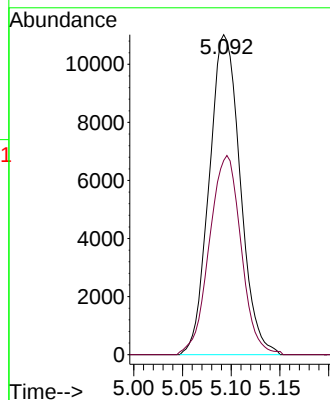
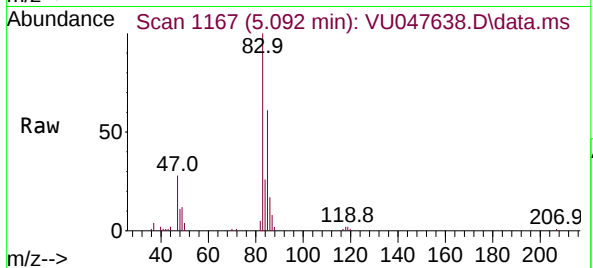
ClientSampleId :

Tgt Ion: 83 Resp: 24393

Ion Ratio Lower Upper

83 100

85 60.7 46.2 85.8



#27

1,2-Dichloroethane

Concen: 4.794 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.003 min

Lab File: VU047638.D

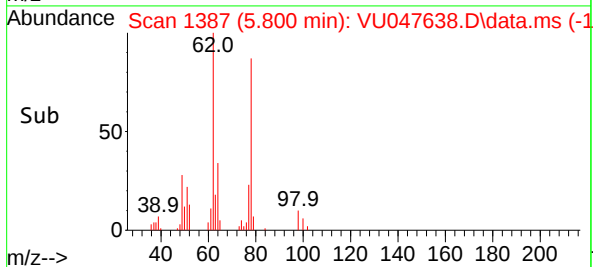
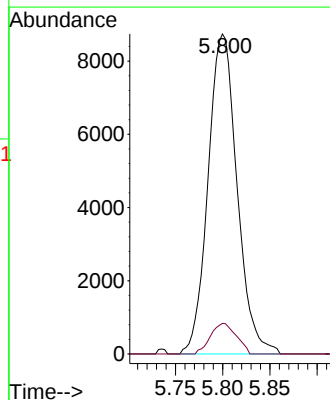
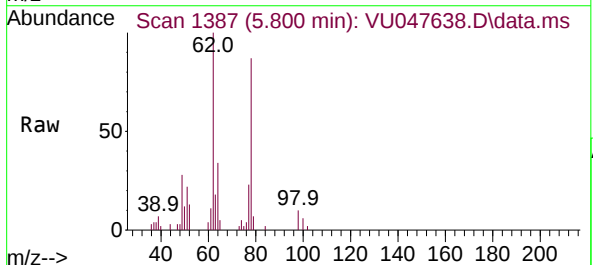
Acq: 24 Mar 2022 16:54

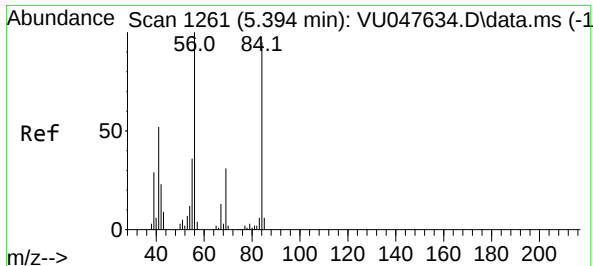
Tgt Ion: 62 Resp: 18686

Ion Ratio Lower Upper

62 100

98 9.6 7.4 11.0





#29

Cyclohexane

Concen: 4.162 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.003 min

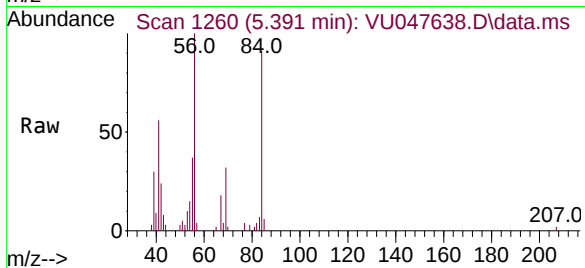
Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

Instrument :

MSVOA_U

ClientSampleId :



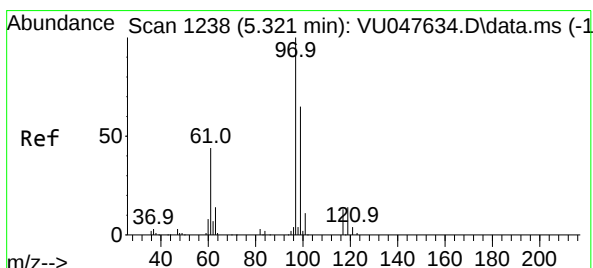
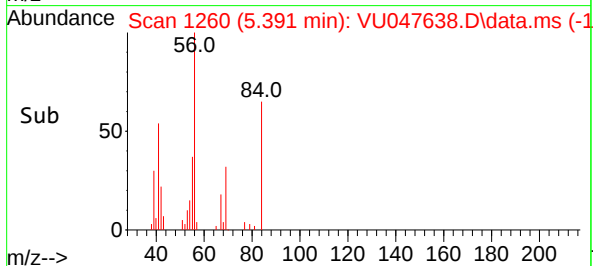
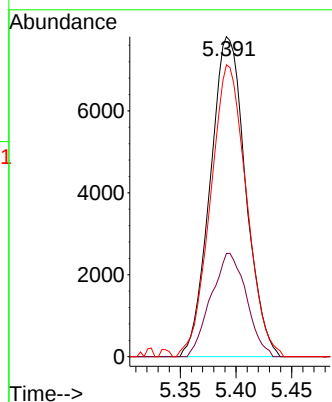
Tgt Ion: 56 Resp: 17251

Ion Ratio Lower Upper

56 100

69 32.2 25.4 38.2

84 92.5 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 4.702 ug/L

RT: 5.324 min Scan# 1239

Delta R.T. 0.003 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

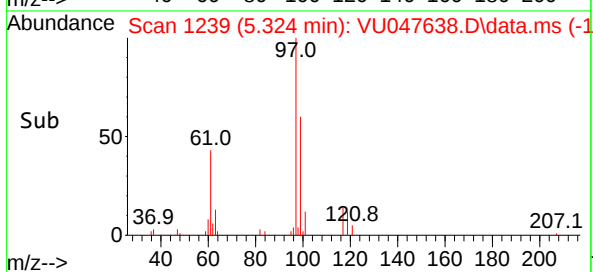
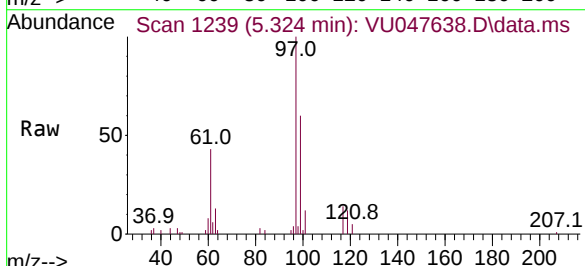
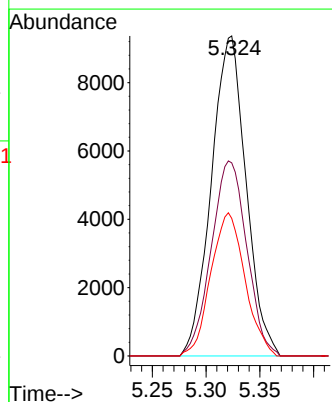
Tgt Ion: 97 Resp: 21003

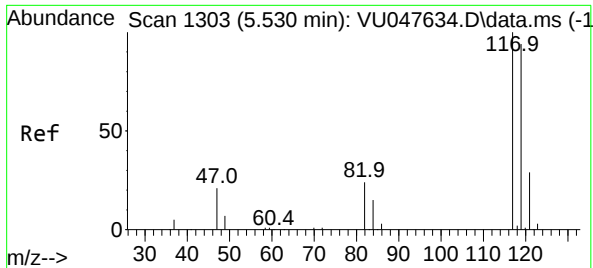
Ion Ratio Lower Upper

97 100

99 62.5 51.6 77.4

61 44.1 34.2 51.4

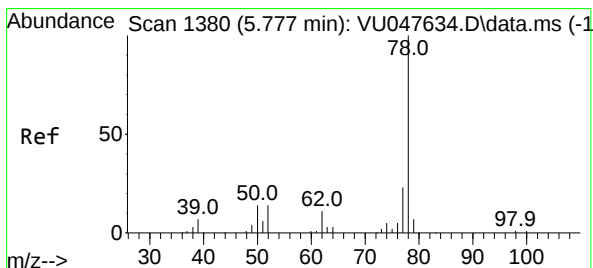
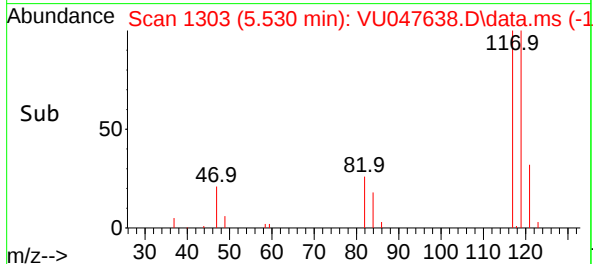
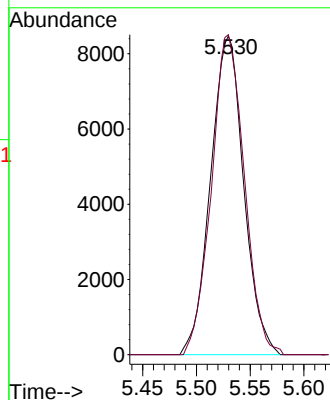
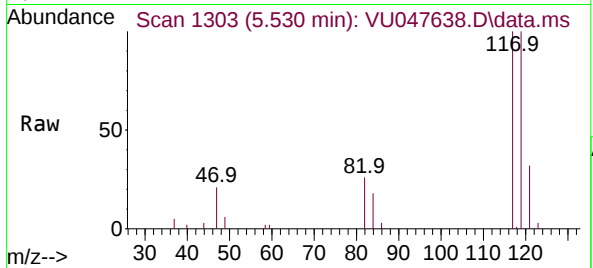




#31
Carbon tetrachloride
Concen: 4.747 ug/L
RT: 5.530 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

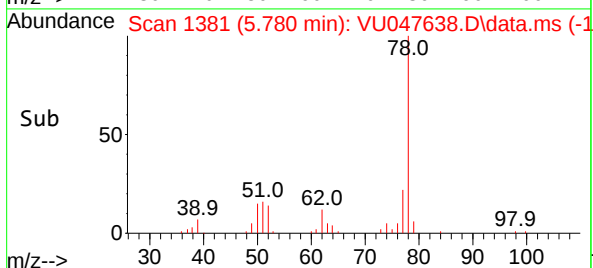
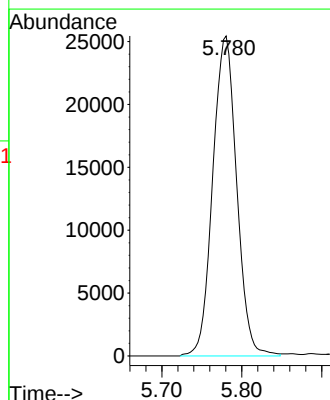
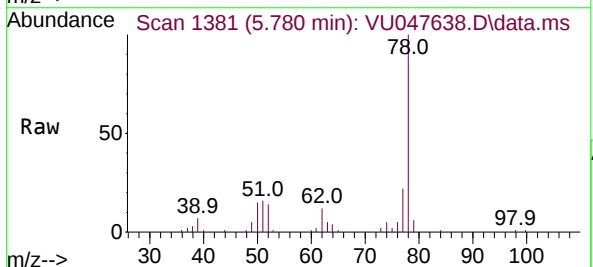
Instrument :
MSVOA_U
ClientSampleId :

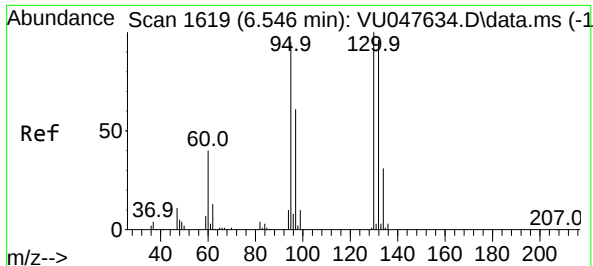
Tgt Ion:117 Resp: 18158
Ion Ratio Lower Upper
117 100
119 99.6 77.2 115.8



#33
Benzene
Concen: 4.773 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. 0.003 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

Tgt Ion: 78 Resp: 52857





#34

Trichloroethene

Concen: 4.957 ug/L

RT: 6.546 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 14399

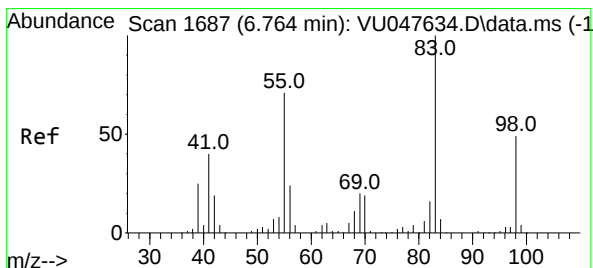
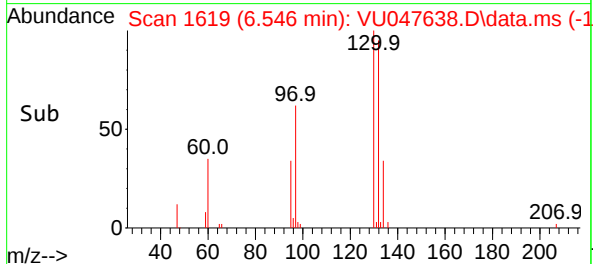
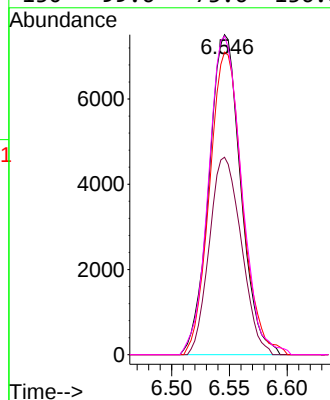
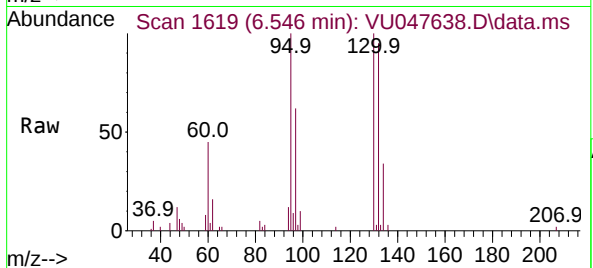
Ion Ratio Lower Upper

95 100

97 61.7 44.7 82.9

132 94.5 70.4 130.8

130 99.6 73.6 136.8



#35

Methylcyclohexane

Concen: 4.613 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. 0.000 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

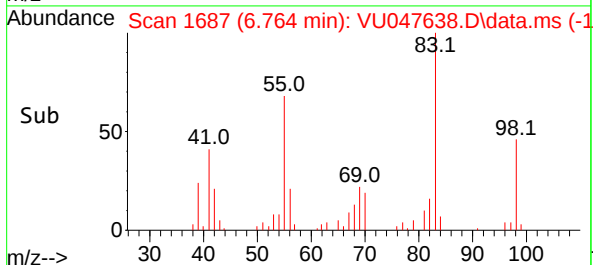
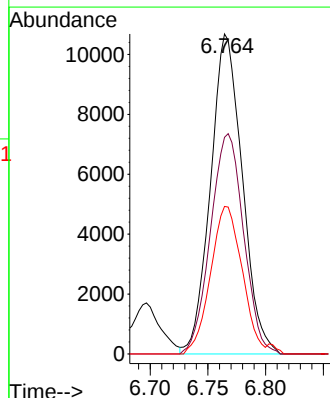
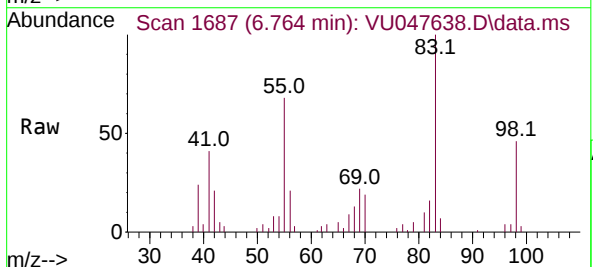
Tgt Ion: 83 Resp: 20419

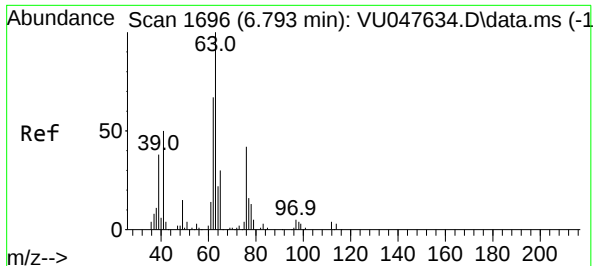
Ion Ratio Lower Upper

83 100

55 71.8 56.8 85.2

98 45.9 38.1 57.1

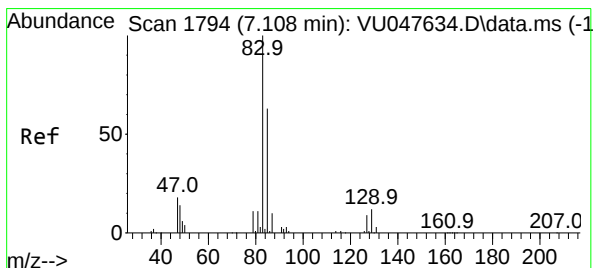
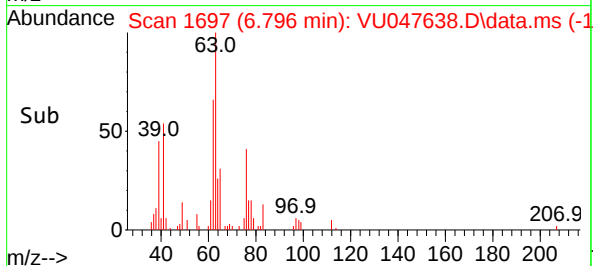
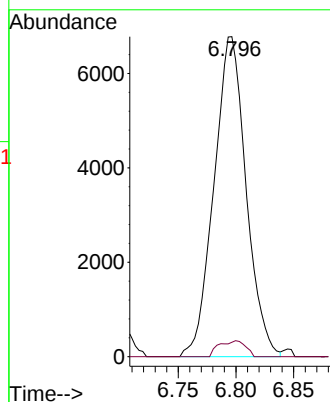
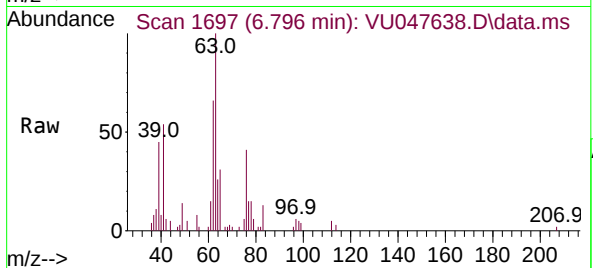




#37
1,2-Dichloropropane
Concen: 4.555 ug/L
RT: 6.796 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

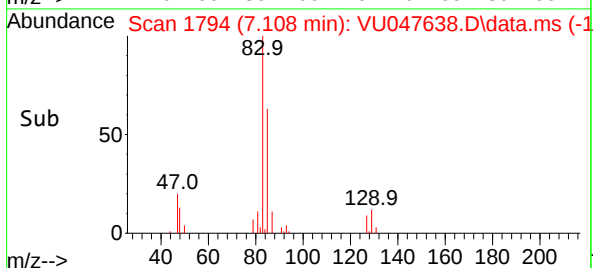
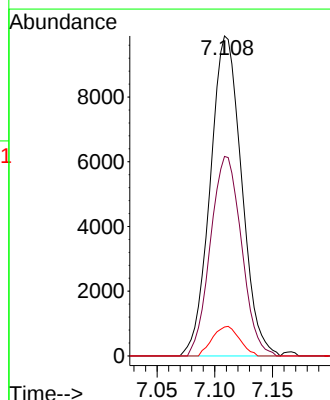
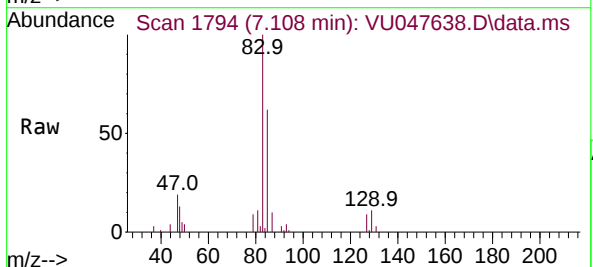
Instrument :
MSVOA_U
ClientSampleId :

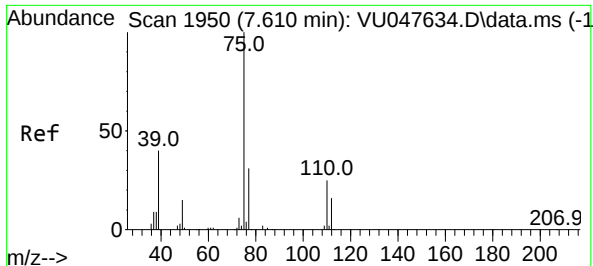
Tgt Ion: 63 Resp: 13146
Ion Ratio Lower Upper
63 100
112 2.3 3.4 5.2#



#38
Bromodichloromethane
Concen: 4.837 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

Tgt Ion: 83 Resp: 18680
Ion Ratio Lower Upper
83 100
85 62.4 44.4 82.4
127 9.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.426 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

Instrument :

MSVOA_U

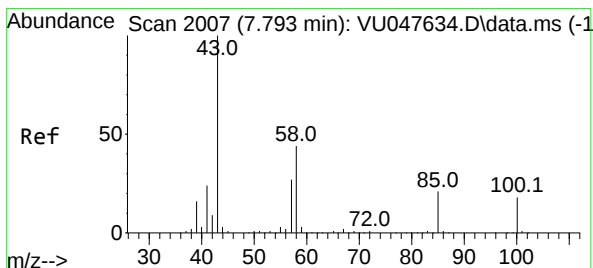
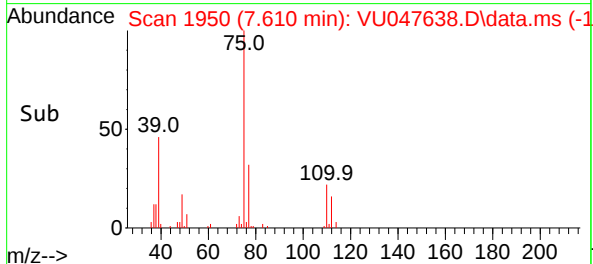
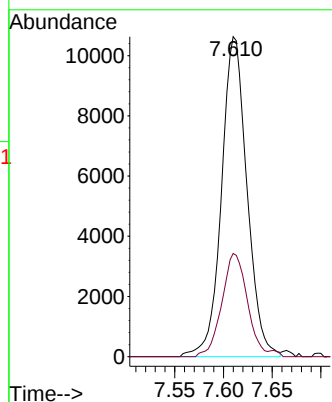
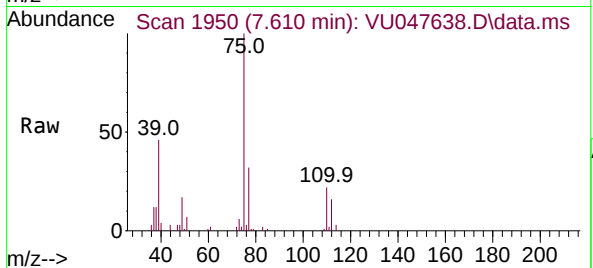
ClientSampleId :

Tgt Ion: 75 Resp: 19353

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 9.225 ug/L

RT: 7.800 min Scan# 2009

Delta R.T. 0.007 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

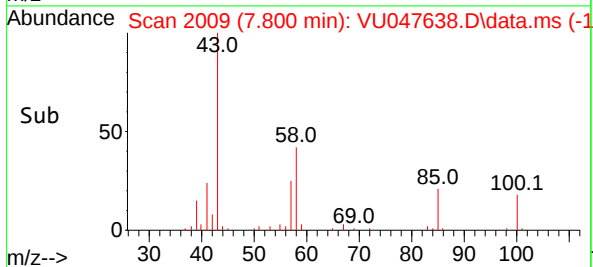
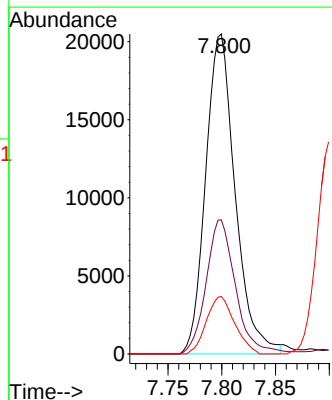
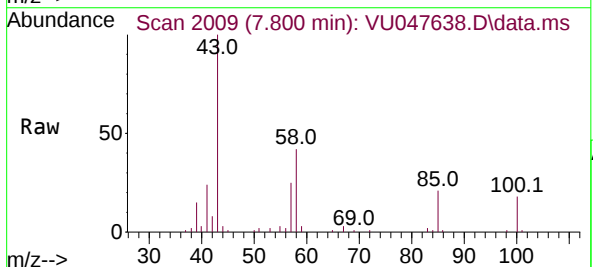
Tgt Ion: 43 Resp: 39174

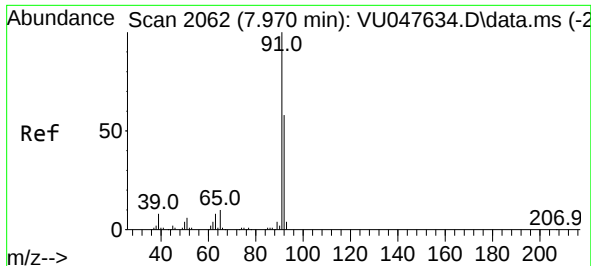
Ion Ratio Lower Upper

43 100

58 41.7 34.7 52.1

100 17.1 14.2 21.2





#42

Toluene

Concen: 4.653 ug/L

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

Instrument :

MSVOA_U

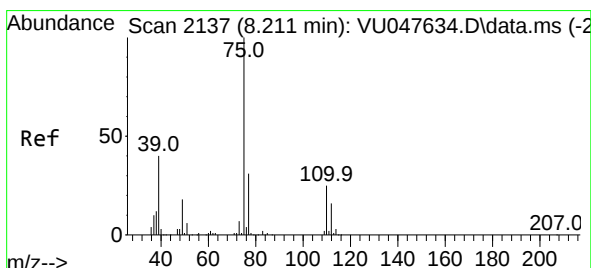
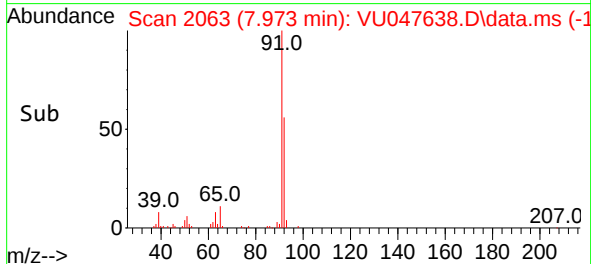
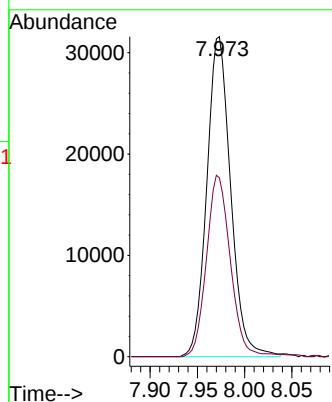
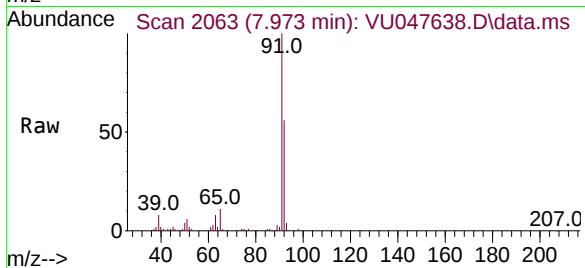
ClientSampleId :

Tgt Ion: 91 Resp: 55430

Ion Ratio Lower Upper

91 100

92 55.9 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.471 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VU047638.D

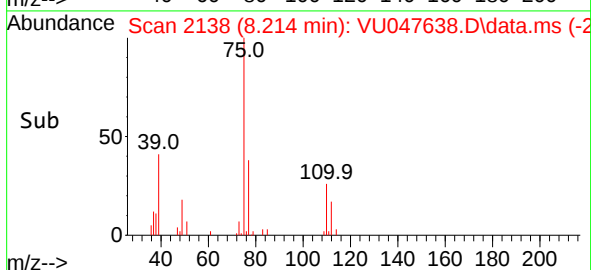
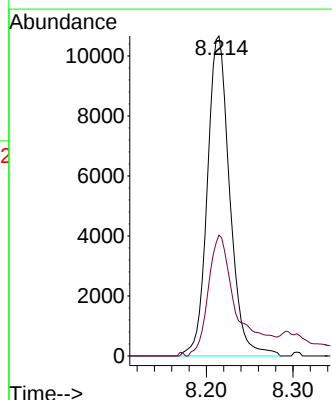
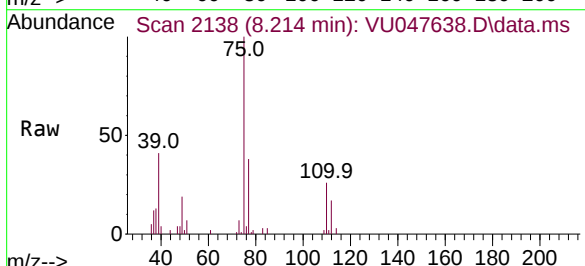
Acq: 24 Mar 2022 16:54

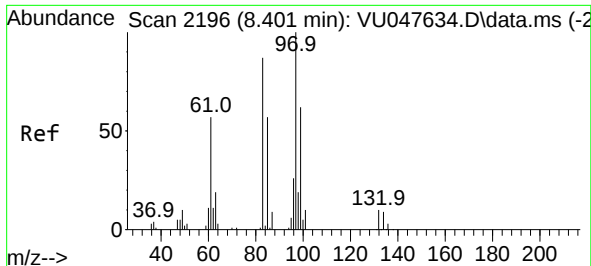
Tgt Ion: 75 Resp: 19159

Ion Ratio Lower Upper

75 100

77 37.7 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 4.888 ug/L

RT: 8.404 min Scan# 2196

Delta R.T. 0.003 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 14331

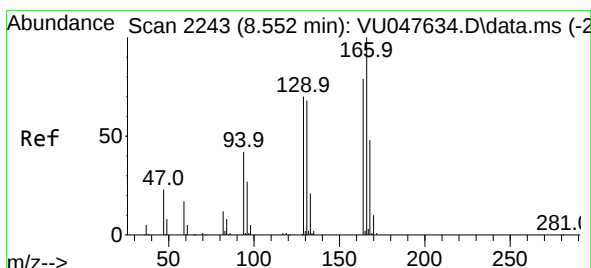
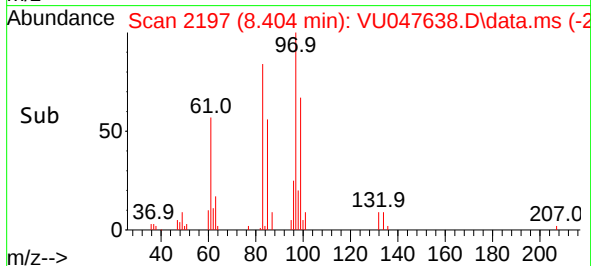
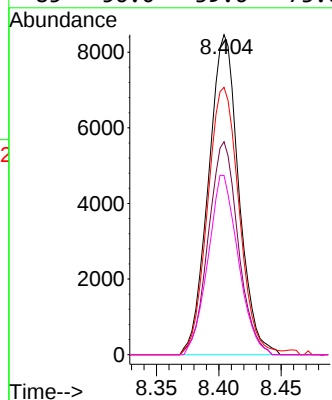
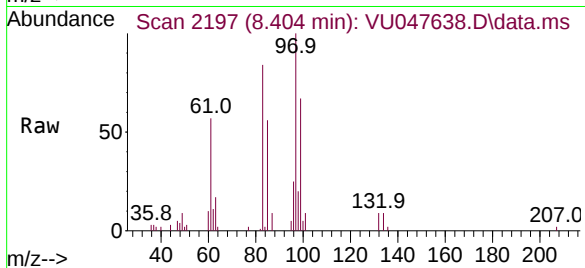
Ion Ratio Lower Upper

97 100

99 66.5 43.3 80.3

83 83.6 61.0 113.4

85 56.0 39.6 73.6



#46

Tetrachloroethene

Concen: 5.569 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.003 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

Tgt Ion: 164 Resp: 12322

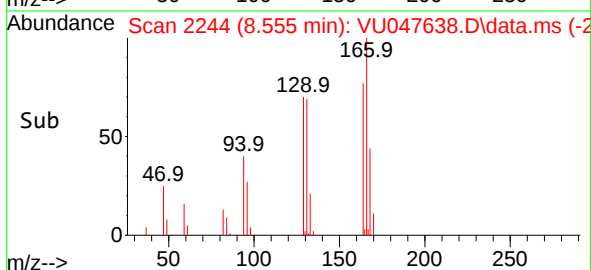
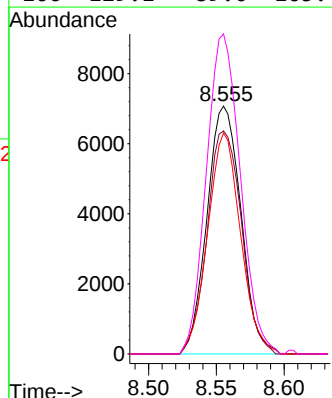
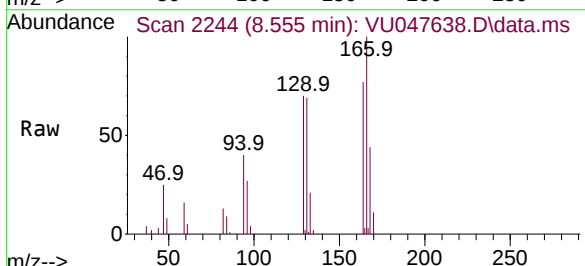
Ion Ratio Lower Upper

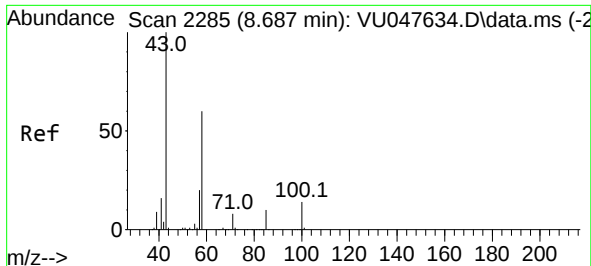
164 100

129 90.0 62.4 116.0

131 89.2 60.7 112.7

166 129.1 89.0 165.4

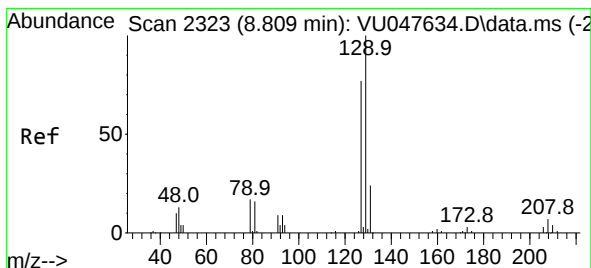
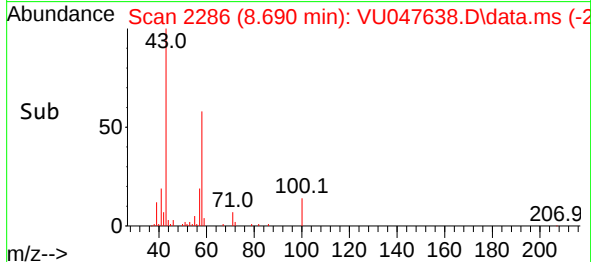
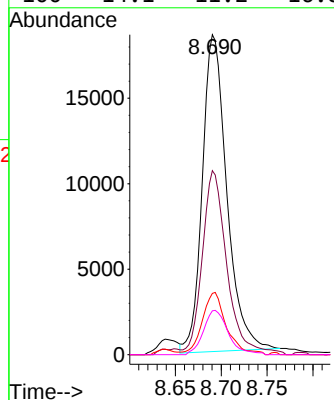
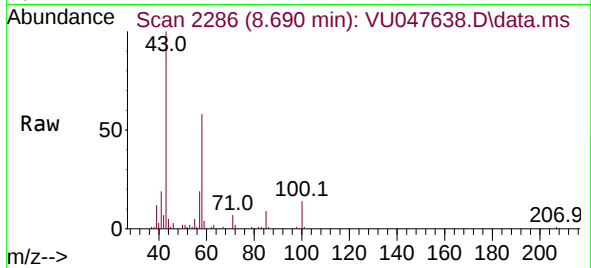




#48
2-Hexanone
Concen: 9.176 ug/L
RT: 8.690 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

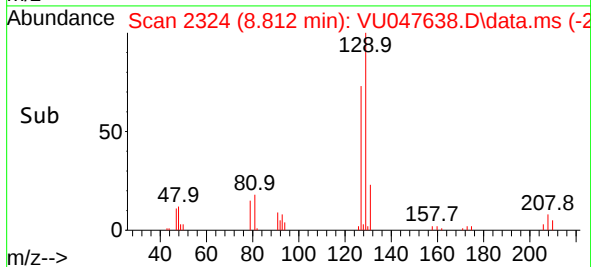
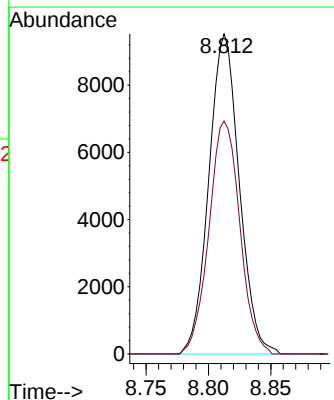
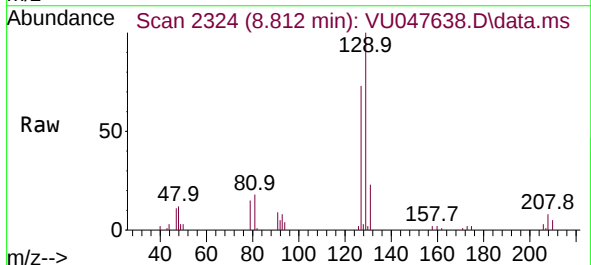
Instrument :
MSVOA_U
ClientSampleId :

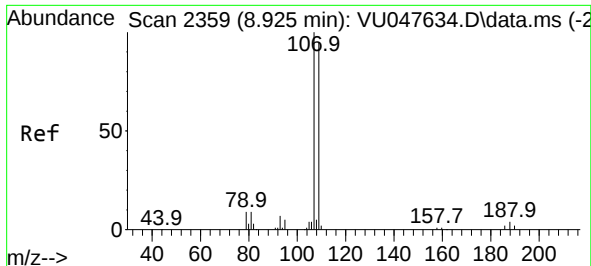
Tgt Ion: 43	Resp: 34486
Ion Ratio	Lower Upper
43 100	
58 58.4	48.1 72.1
57 19.4	16.2 24.4
100 14.1	11.2 16.8



#49
Dibromochloromethane
Concen: 5.207 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

Tgt Ion:129	Resp:	16182	
Ion	Ratio	Lower	Upper
129	100		
127	72.8	54.2	100.6





#50

1,2-Dibromoethane

Concen: 4.889 ug/L

RT: 8.928 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

Instrument :

MSVOA_U

ClientSampleId :

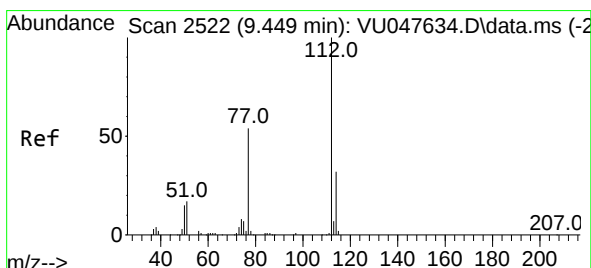
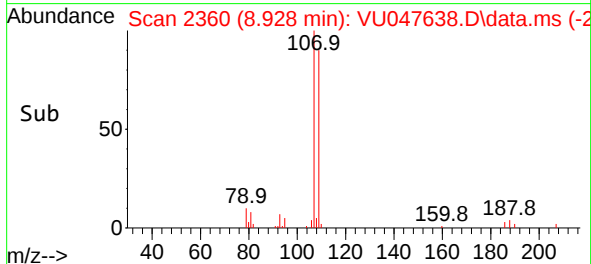
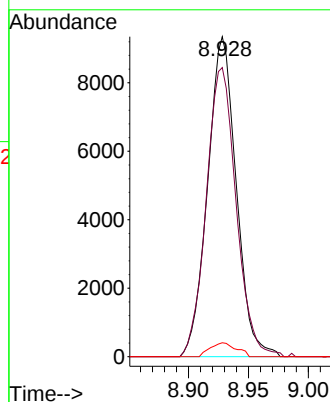
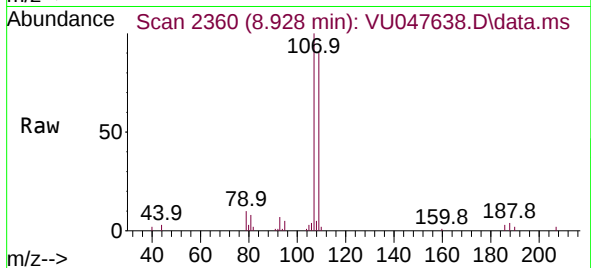
Tgt Ion:107 Resp: 15518

Ion Ratio Lower Upper

107 100

109 90.3 66.6 123.6

188 4.4 3.4 5.2



#51

Chlorobenzene

Concen: 5.054 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

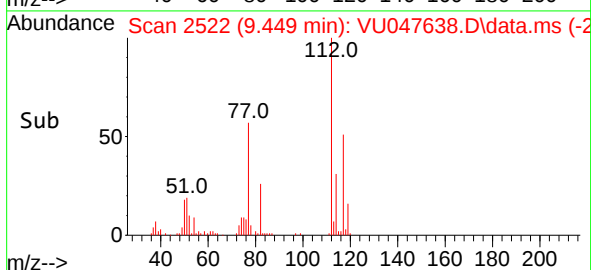
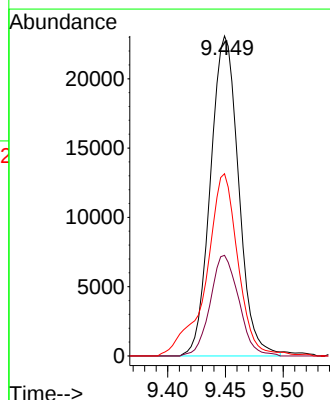
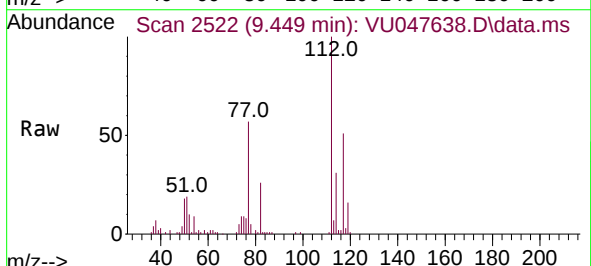
Tgt Ion:112 Resp: 39122

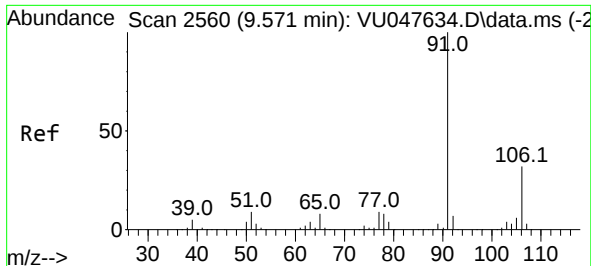
Ion Ratio Lower Upper

112 100

114 31.4 22.1 41.1

77 56.9 43.4 65.0

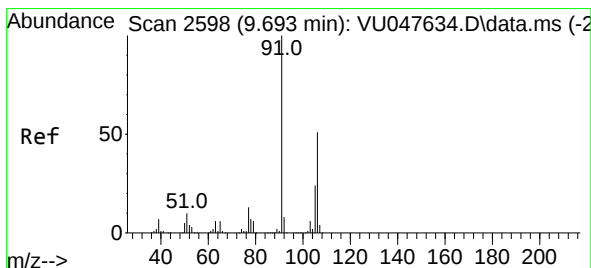
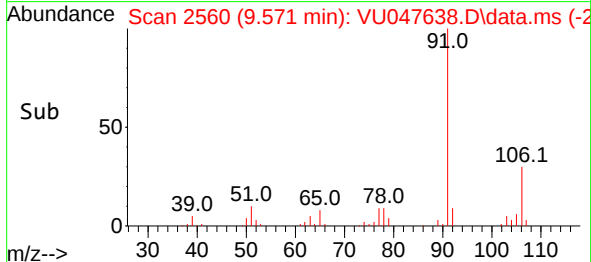
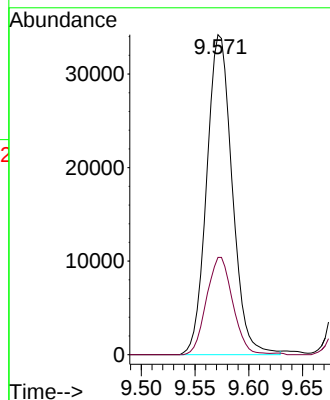
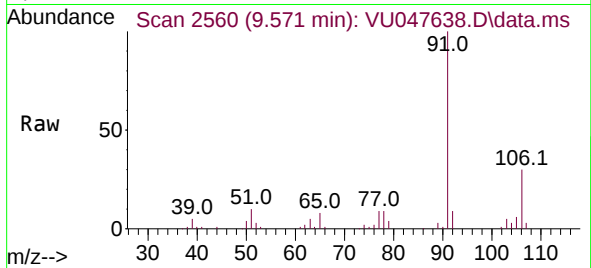




#52
Ethylbenzene
Concen: 4.482 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

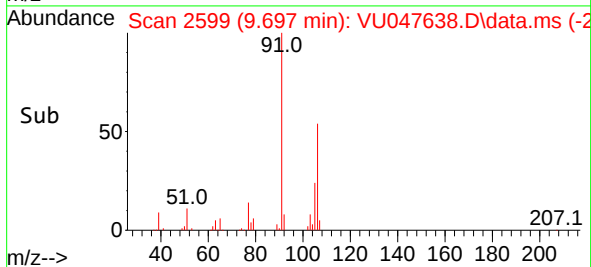
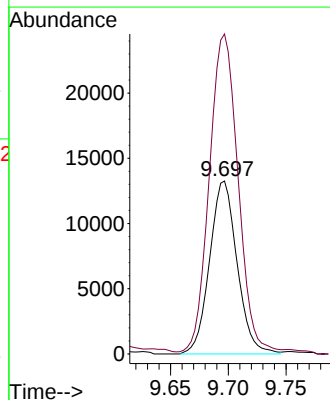
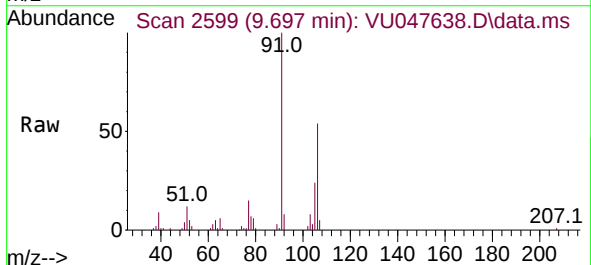
Instrument :
MSVOA_U
ClientSampleId :

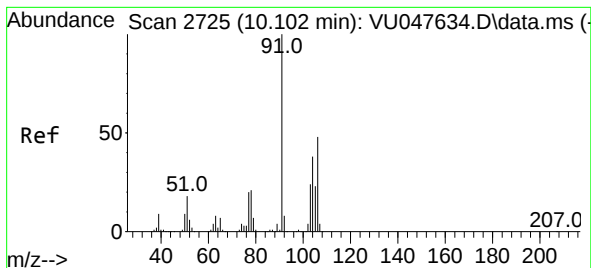
Tgt Ion: 91 Resp: 56460
Ion Ratio Lower Upper
91 100
106 30.4 22.4 41.6



#53
m,p-Xylene
Concen: 4.449 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

Tgt Ion: 106 Resp: 21961
Ion Ratio Lower Upper
106 100
91 184.9 137.7 255.7





#54

o-Xylene

Concen: 4.364 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. 0.000 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

Instrument :

MSVOA_U

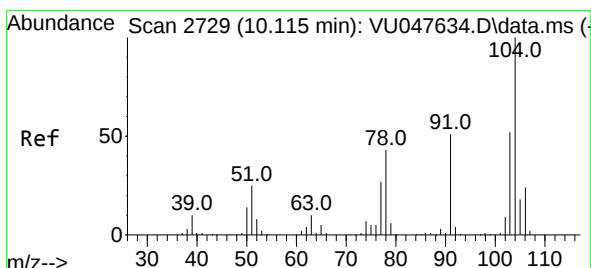
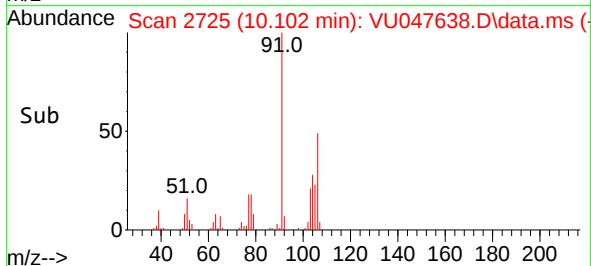
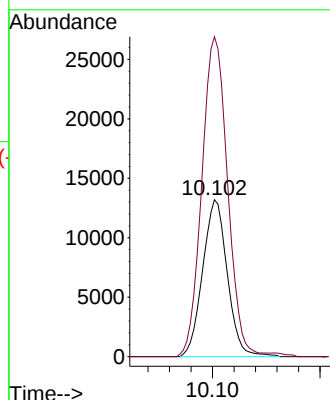
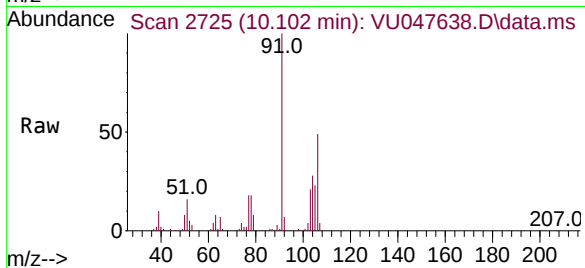
ClientSampleId :

Tgt Ion:106 Resp: 21010

Ion Ratio Lower Upper

106 100

91 203.9 146.7 272.5



#55

Styrene

Concen: 4.136 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU047638.D

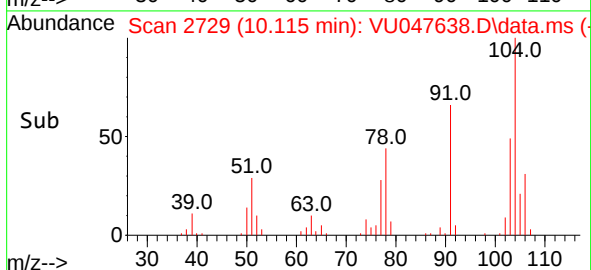
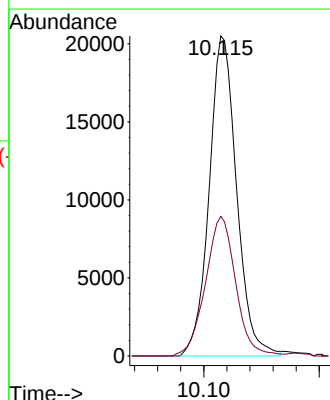
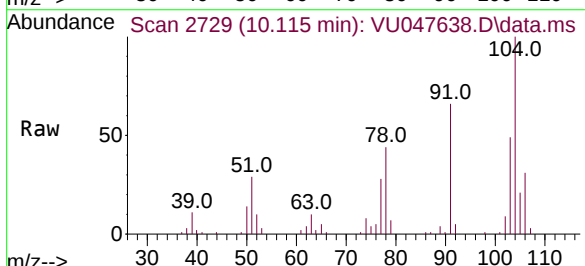
Acq: 24 Mar 2022 16:54

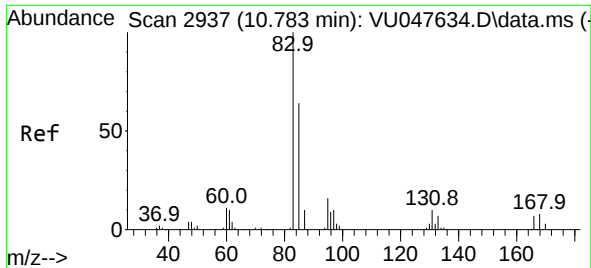
Tgt Ion:104 Resp: 33845

Ion Ratio Lower Upper

104 100

78 43.6 30.4 56.4

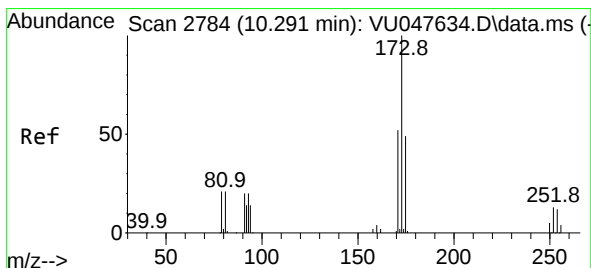
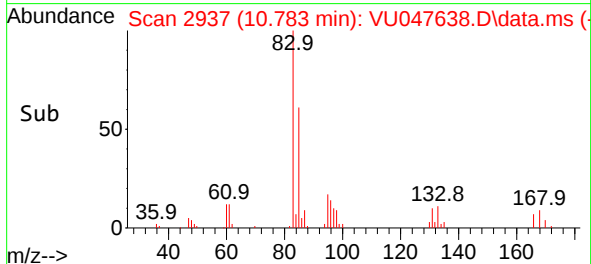
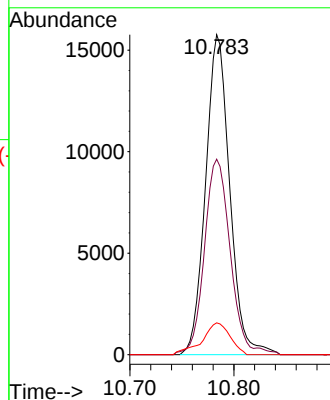
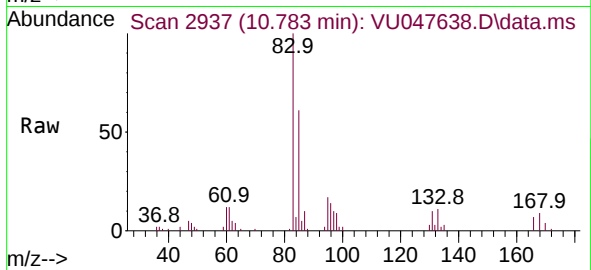




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.993 ug/L
 RT: 10.783 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VU047638.D
 Acq: 24 Mar 2022 16:54

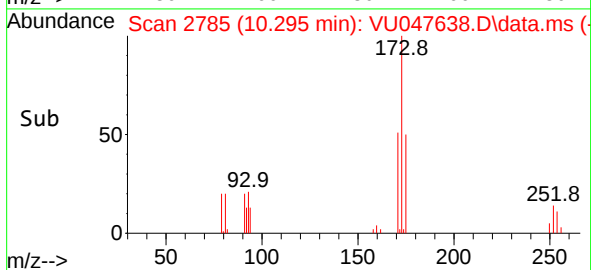
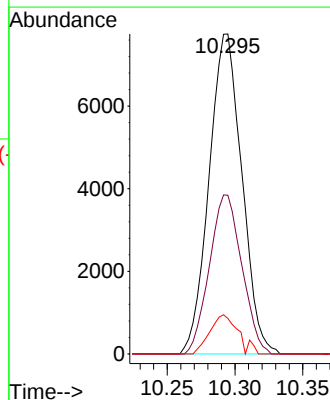
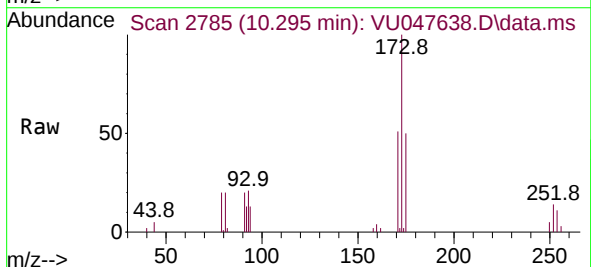
Instrument :
 MSVOA_U
 ClientSampleId :

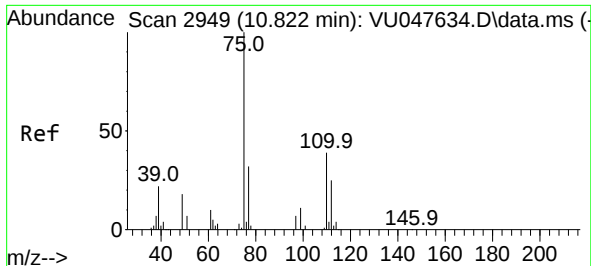
Tgt Ion: 83	Resp:	25509
Ion Ratio	Lower	Upper
83	100	
85	61.1	44.9 83.3
131	9.9	8.6 13.0



#59
 Bromoform
 Concen: 5.154 ug/L
 RT: 10.295 min Scan# 2785
 Delta R.T. 0.003 min
 Lab File: VU047638.D
 Acq: 24 Mar 2022 16:54

Tgt Ion: 173	Resp:	13031
Ion Ratio	Lower	Upper
173	100	
175	49.1	38.7 58.1
254	9.8	9.6 14.4

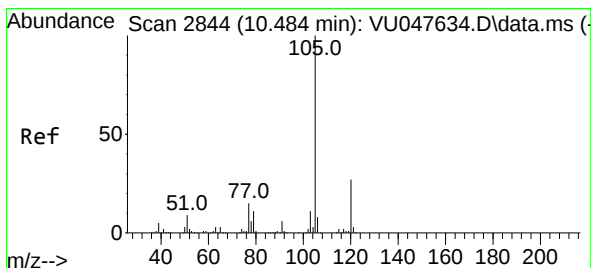
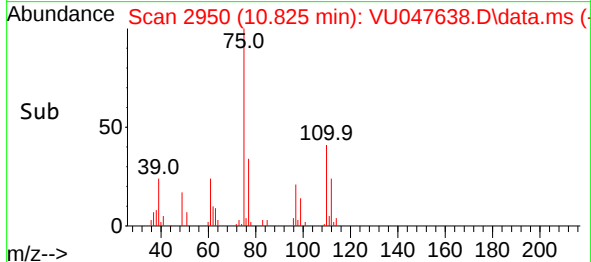
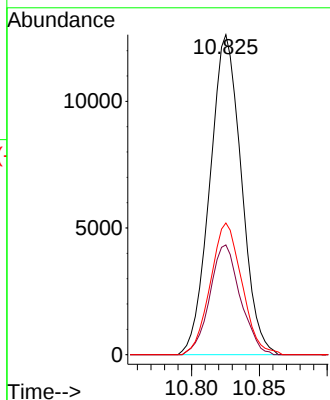
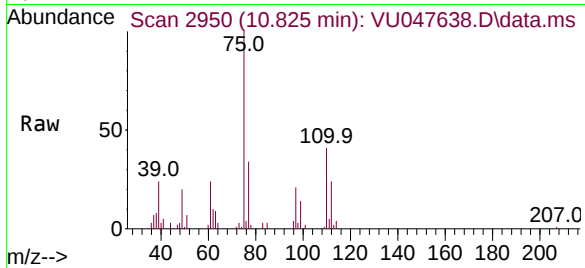




#60
1,2,3-Trichloropropane
Concen: 4.469 ug/L
RT: 10.825 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

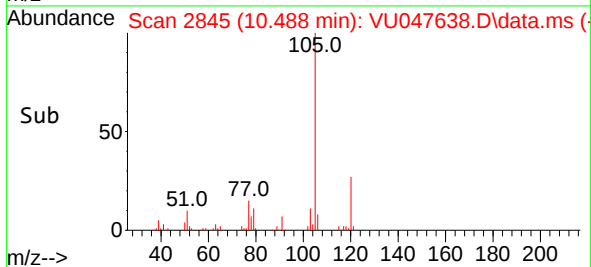
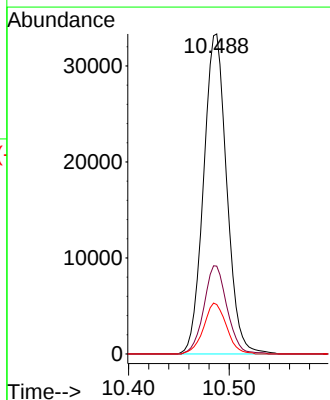
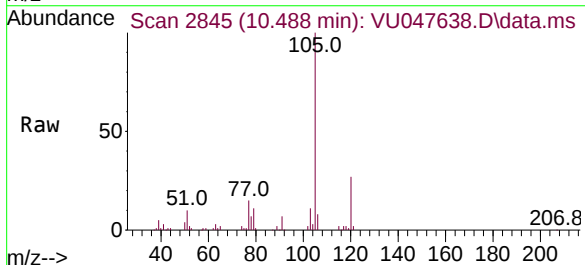
Instrument :
MSVOA_U
ClientSampleId :

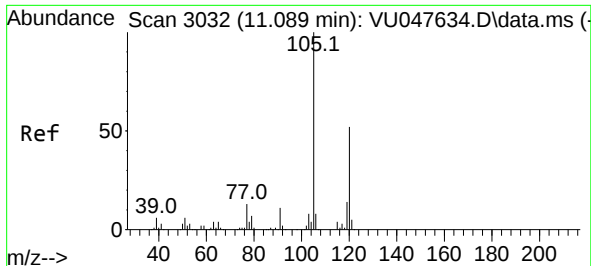
Tgt Ion: 75	Resp: 20381
Ion Ratio	Lower Upper
75	100
77	33.3 26.0 39.0
110	41.2 31.4 47.2



#61
Isopropylbenzene
Concen: 4.030 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

Tgt Ion: 105	Resp: 53368
Ion Ratio	Lower Upper
105	100
120	27.6 21.9 32.9
77	15.6 12.1 18.1

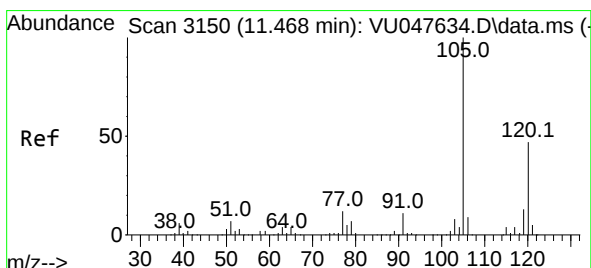
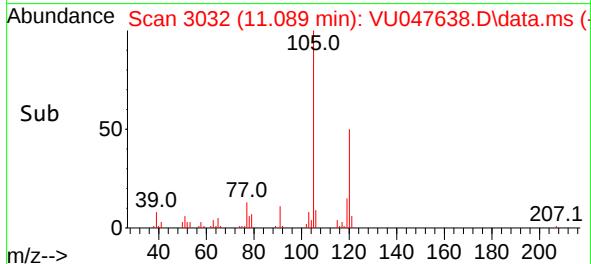
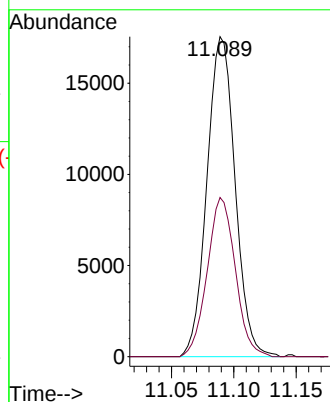
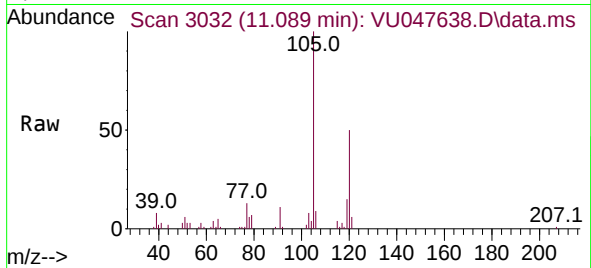




#62
1,3,5-Trimethylbenzene
Concen: 2.658 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

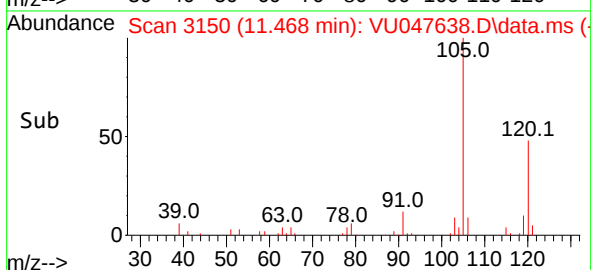
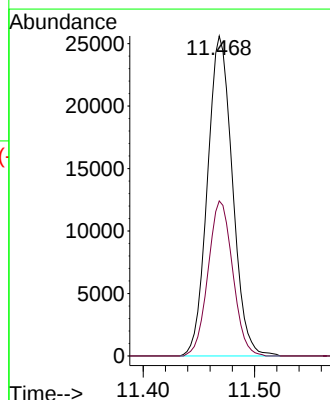
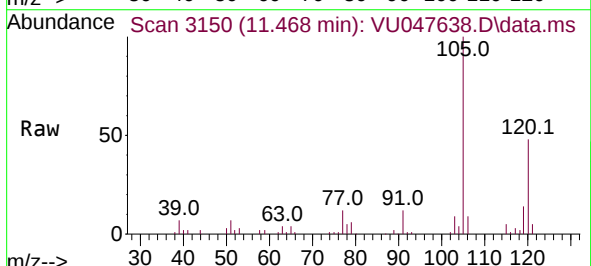
Instrument :
MSVOA_U
ClientSampleId :

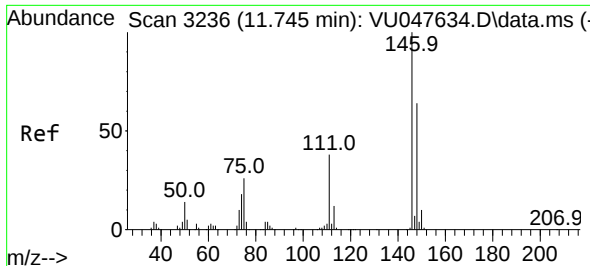
Tgt Ion:105 Resp: 27586
Ion Ratio Lower Upper
105 100
120 49.6 40.8 61.2



#63
1,2,4-Trimethylbenzene
Concen: 3.641 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

Tgt Ion:105 Resp: 39912
Ion Ratio Lower Upper
105 100
120 47.6 37.6 56.4

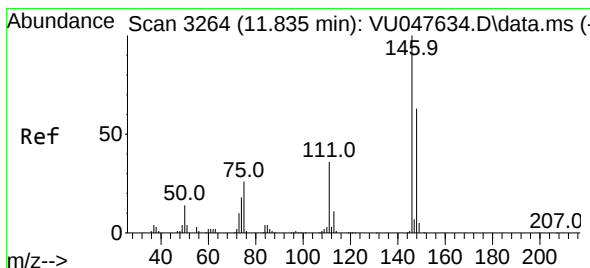
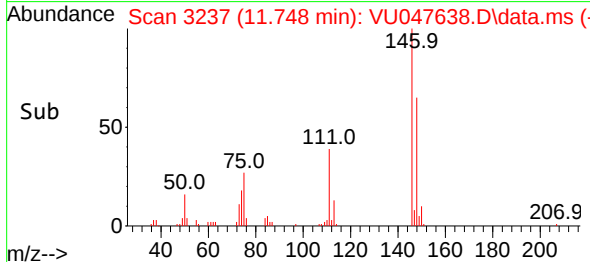
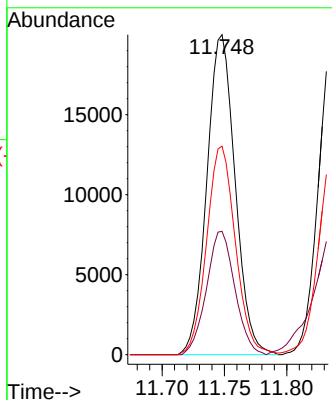
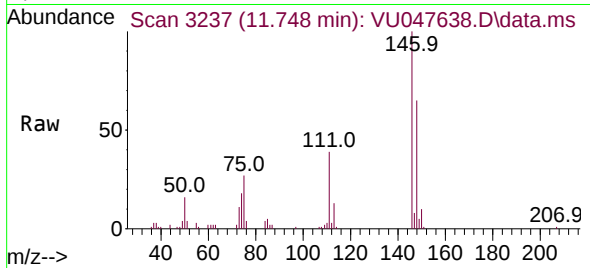




#64
1,3-Dichlorobenzene
Concen: 4.876 ug/L
RT: 11.748 min Scan# 31581
Delta R.T. 0.003 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

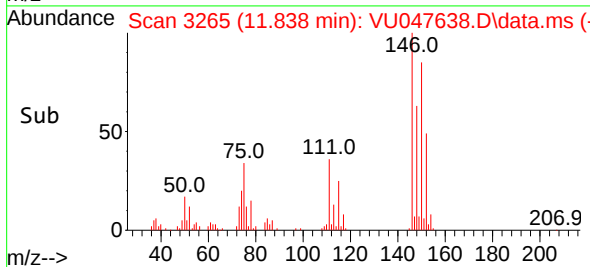
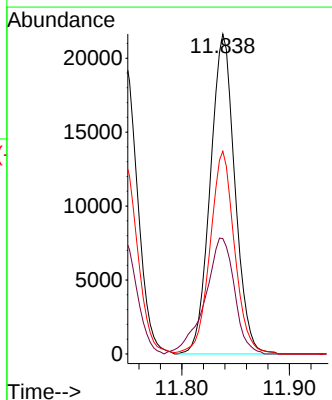
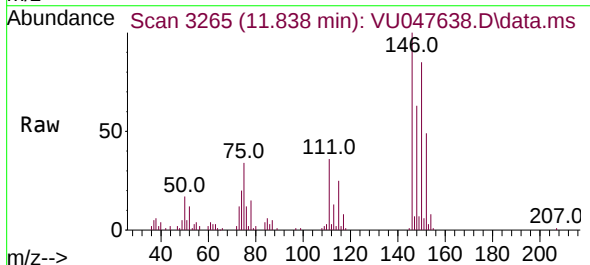
Instrument :
MSVOA_U
ClientSampleId :

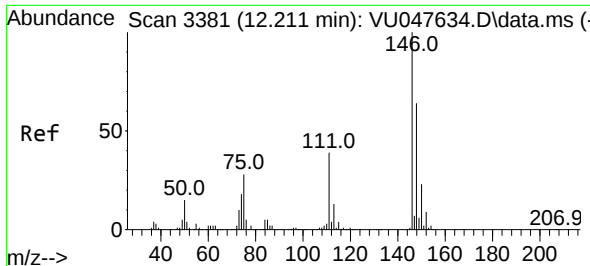
Tgt Ion:146 Resp: 31581
Ion Ratio Lower Upper
146 100
111 38.6 26.7 49.7
148 65.1 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 5.124 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU047638.D
Acq: 24 Mar 2022 16:54

Tgt Ion:146 Resp: 34340
Ion Ratio Lower Upper
146 100
111 36.1 25.3 47.1
148 63.3 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 4.945 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

Instrument :

MSVOA_U

ClientSampleId :

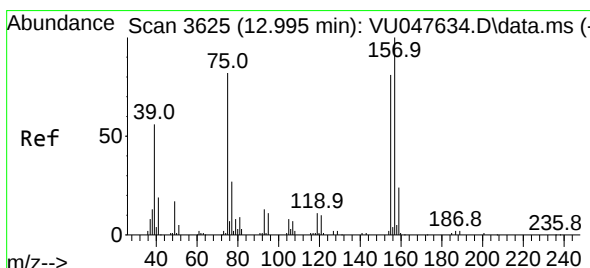
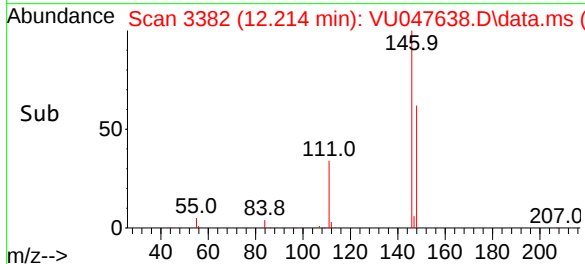
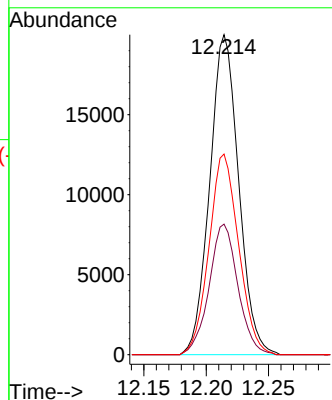
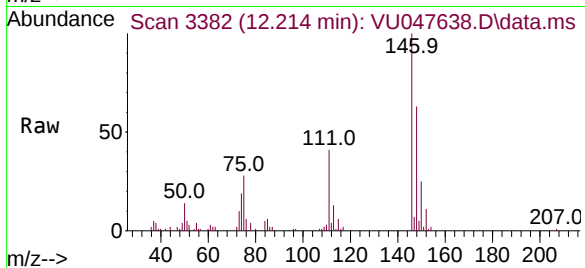
Tgt Ion:146 Resp: 32352

Ion Ratio Lower Upper

146 100

111 40.8 31.7 47.5

148 62.7 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.116 ug/L

RT: 12.999 min Scan# 3626

Delta R.T. 0.003 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

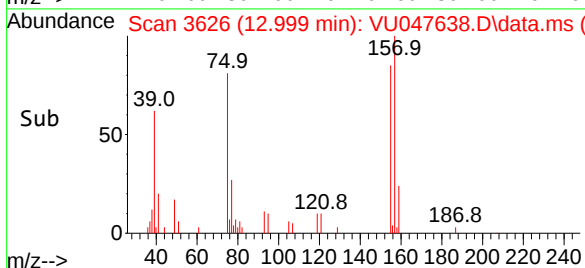
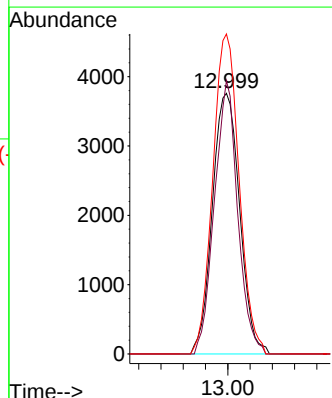
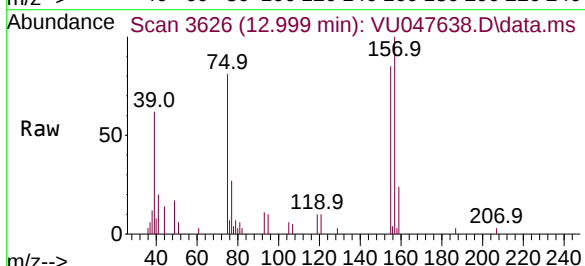
Tgt Ion: 75 Resp: 6393

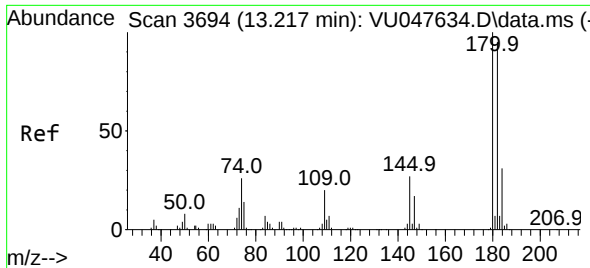
Ion Ratio Lower Upper

75 100

155 109.3 78.9 118.3

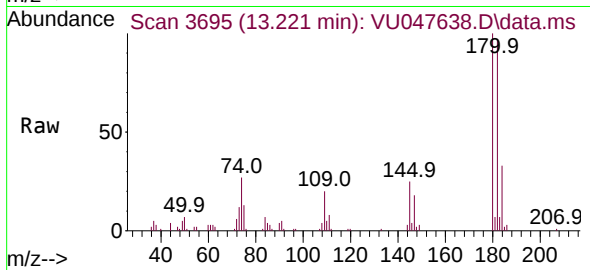
157 122.7 97.5 146.3



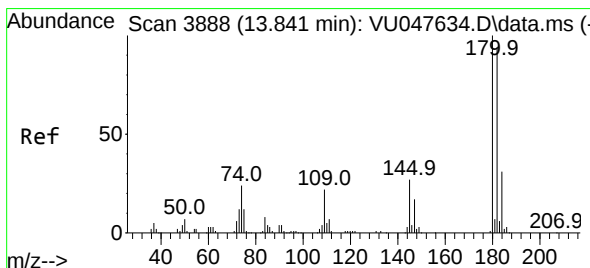
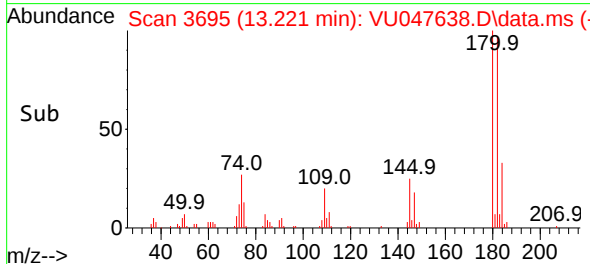
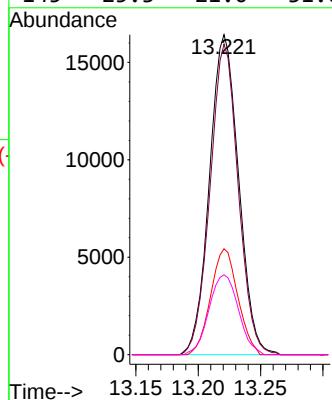


#69
 1,3,5-Trichlorobenzene
 Concen: 5.570 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.003 min
 Lab File: VU047638.D
 Acq: 24 Mar 2022 16:54

Instrument :
 MSVOA_U
 ClientSampleId :

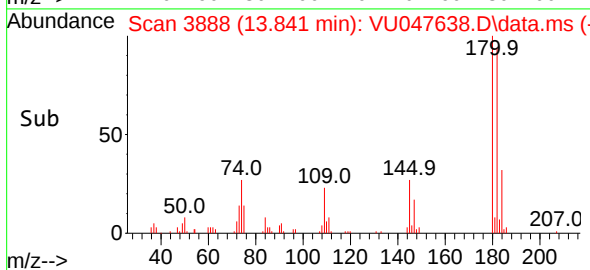
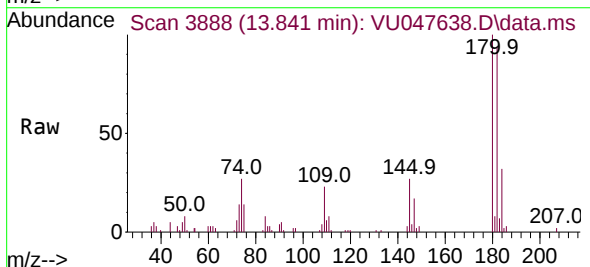
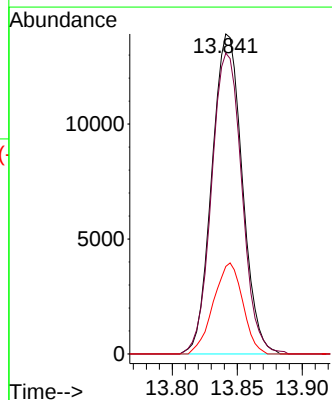


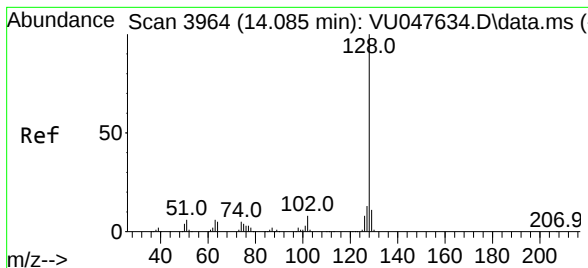
Tgt Ion:180 Resp: 26661
 Ion Ratio Lower Upper
 180 100
 182 93.8 77.0 115.6
 184 30.9 24.5 36.7
 145 25.3 21.0 31.6



#70
 1,2,4-trichlorobenzene
 Concen: 5.324 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU047638.D
 Acq: 24 Mar 2022 16:54

Tgt Ion:180 Resp: 22596
 Ion Ratio Lower Upper
 180 100
 182 94.1 76.2 114.2
 145 27.4 21.8 32.8





#71

Naphthalene

Concen: 4.535 ug/L

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

Instrument :

MSVOA_U

ClientSampleId :

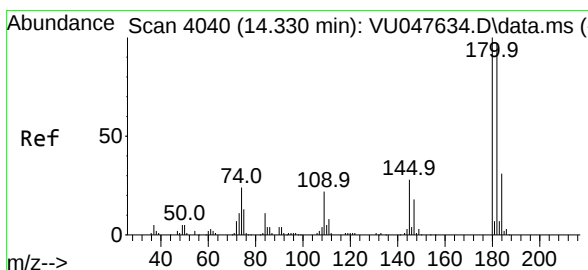
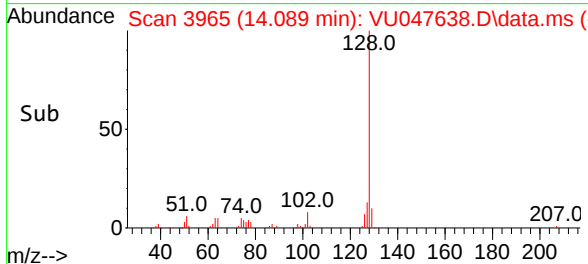
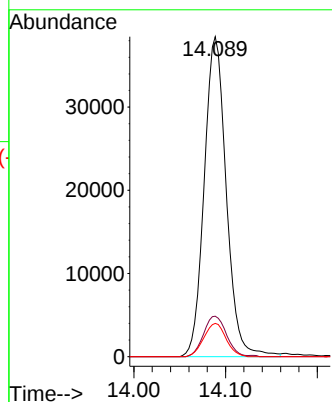
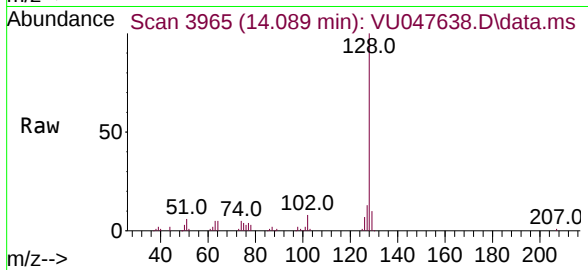
Tgt Ion:128 Resp: 64362

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

129 10.5 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 5.258 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU047638.D

Acq: 24 Mar 2022 16:54

Tgt Ion:180 Resp: 22601

Ion Ratio Lower Upper

180 100

182 95.0 77.4 116.0

145 28.0 22.8 34.2

