

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112122\
 Data File : VU051999.D
 Acq On : 21 Nov 2022 15:58
 Operator : JC/MD
 Sample : VSTD20059
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 22 00:40:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 22 00:38:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	499761	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	504805	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	279480	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	826158	201.547	ug/L	0.00
7) Chloroethane-d5	1.893	69	645916	192.251	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.562	63	1241111	183.163	ug/L	0.00
21) 2-Butanone-d5	4.616	46	1158636	417.285	ug/L	0.00
24) Chloroform-d	5.060	84	1396296	190.558	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	829062	183.790	ug/L	0.00
32) Benzene-d6	5.726	84	3006514	213.976	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	972125	211.824	ug/L	0.00
41) Toluene-d8	7.896	98	2777760	218.863	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	451646	233.288	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	947370	481.917	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	1593214	204.148	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	1123714	210.440	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	511344	124.791	ug/L	100
3) Chloromethane	1.523	50	699079	130.205	ug/L	99
5) Vinyl chloride	1.604	62	756956	142.234	ug/L	99
6) Bromomethane	1.832	94	328507	118.971	ug/L	98
8) Chloroethane	1.916	64	478904	148.925	ug/L	100
9) Trichlorofluoromethane	2.128	101	889165	144.345	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	568501	149.260	ug/L	99
12) 1,1-Dichloroethene	2.575	96	565406	156.708	ug/L	99
13) Acetone	2.623	43	916776	300.568	ug/L	99
14) Carbon disulfide	2.790	76	1453438	128.377	ug/L	99
15) Methyl Acetate	2.944	43	753918	161.152	ug/L	99
16) Methylene chloride	3.041	84	778312	161.819	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	611728	164.140	ug/L	99
18) Methyl tert-butyl Ether	3.362	73	2171873	199.492	ug/L	100
19) 1,1-Dichloroethane	3.864	63	1254126	169.147	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	775730	187.332	ug/L	96
22) 2-Butanone	4.697	43	1282311	356.871	ug/L	99
23) Bromochloromethane	4.970	128	407808	176.477	ug/L	98
25) Chloroform	5.083	83	1298216	169.651	ug/L	98
27) 1,2-Dichloroethane	5.790	62	972373	165.368	ug/L	99
29) Cyclohexane	5.385	56	960647	186.027	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	996027	168.364	ug/L	99
31) Carbon tetrachloride	5.520	117	811729	163.465	ug/L	99
33) Benzene	5.771	78	2971901	181.364	ug/L	100
34) Trichloroethene	6.539	95	695631	176.508	ug/L	99
35) Methylcyclohexane	6.761	83	1040404	187.090	ug/L	98
37) 1,2-Dichloropropane	6.787	63	834300	185.057	ug/L	100
38) Bromodichloromethane	7.102	83	1047362	182.524	ug/L	97
39) cis-1,3-Dichloropropene	7.603	75	1283244	214.811	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	2452638	411.788	ug/L	99
42) Toluene	7.967	91	3215617	191.290	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	1204140	209.187	ug/L	99

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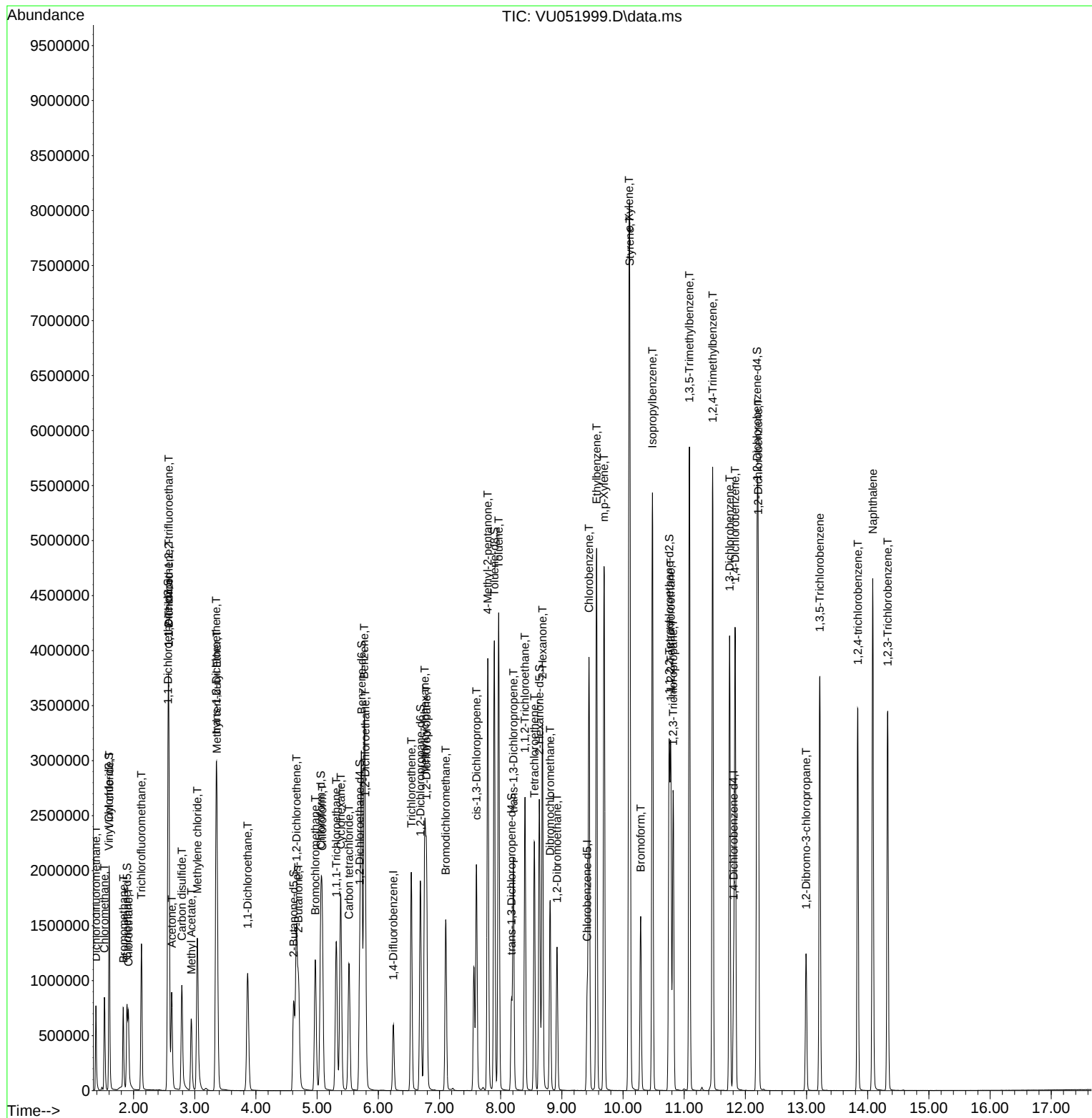
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	838926	186.366	ug/L	99
46) Tetrachloroethene	8.552	164	517823	177.056	ug/L	99
48) 2-Hexanone	8.684	43	1993671	397.044	ug/L	98
49) Dibromochloromethane	8.809	129	900485	195.142	ug/L	99
50) 1,2-Dibromoethane	8.922	107	873321	189.345	ug/L	98
51) Chlorobenzene	9.443	112	2129580	192.414	ug/L	99
52) Ethylbenzene	9.568	91	3545685	208.768	ug/L	98
53) m,p-Xylene	9.690	106	1381818	211.749	ug/L	99
54) o-Xylene	10.098	106	1431811	219.030	ug/L	99
55) Styrene	10.111	104	2525727	224.792	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	1594229	186.658	ug/L	100
59) Bromoform	10.288	173	716692	183.144	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	1190372	165.104	ug/L	100
61) Isopropylbenzene	10.481	105	3586014	202.116	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	3152643	211.970	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	3131333	214.958	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	1717962	191.754	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	1724635	187.886	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	1775598	189.621	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	324484	168.219	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	1213898	202.942	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	1065061	228.890	ug/L	99
71) Naphthalene	14.082	128	3711061	247.087	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	1112159	223.775	ug/L	100

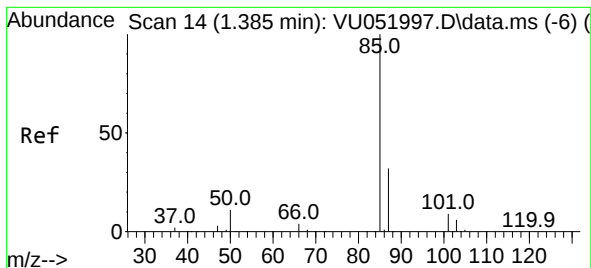
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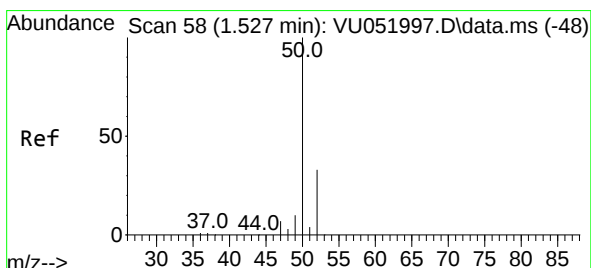
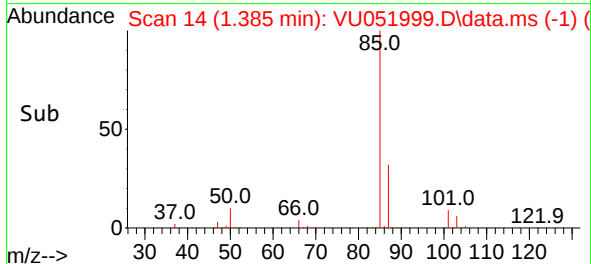
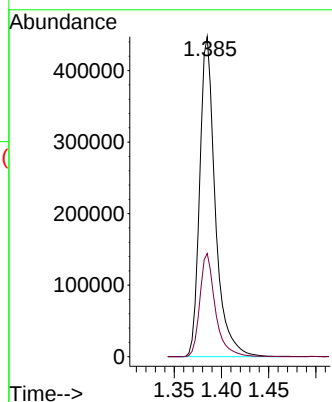
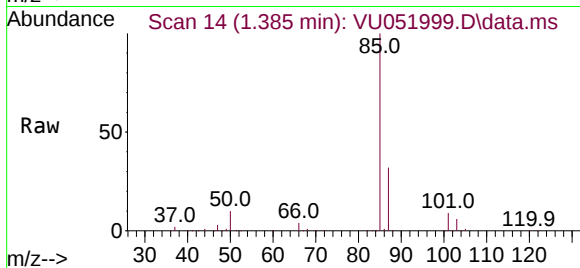




#2
Dichlorodifluoromethane
Concen: 124.791 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051999.D
Acq: 21 Nov 2022 15:58

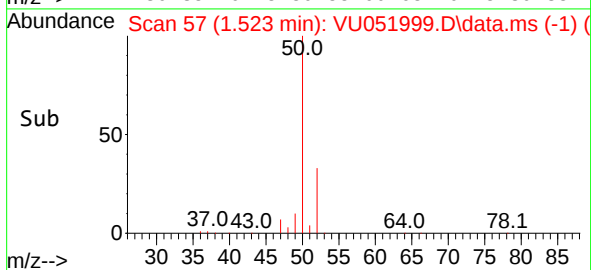
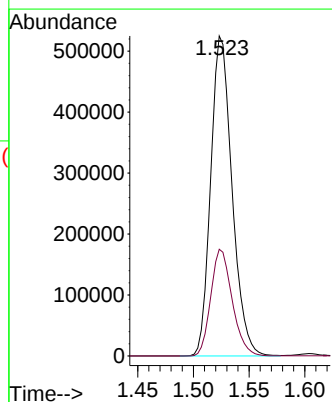
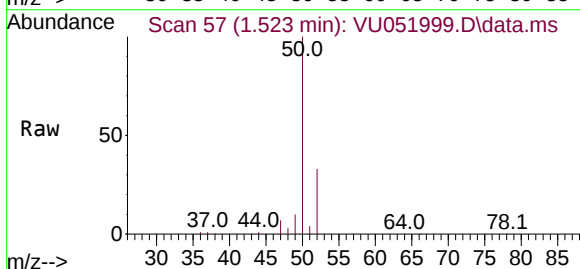
Instrument :
MSVOA_U
ClientSampleId :

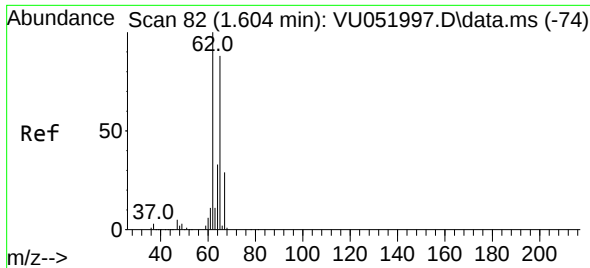
Tgt Ion: 85 Resp: 511344
Ion Ratio Lower Upper
85 100
87 32.2 25.9 38.9



#3
Chloromethane
Concen: 130.205 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.004 min
Lab File: VU051999.D
Acq: 21 Nov 2022 15:58

Tgt Ion: 50 Resp: 699079
Ion Ratio Lower Upper
50 100
52 33.3 23.1 42.9

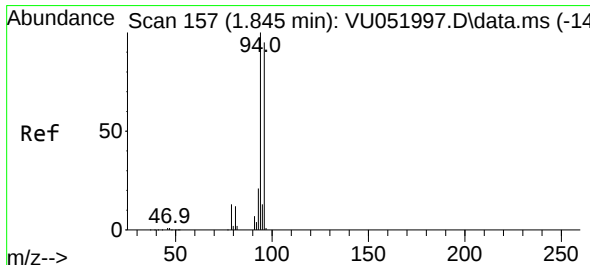
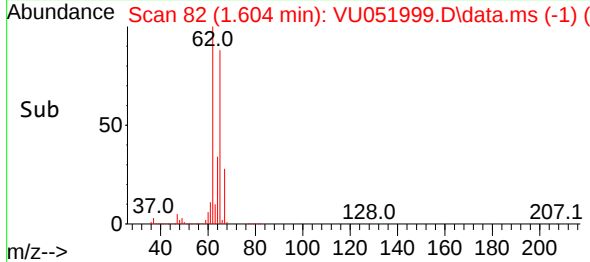
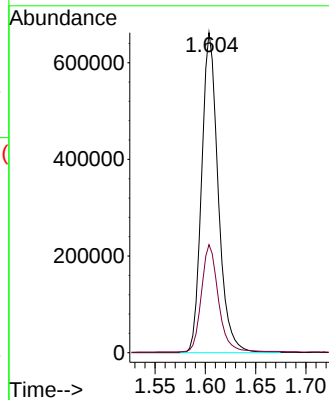
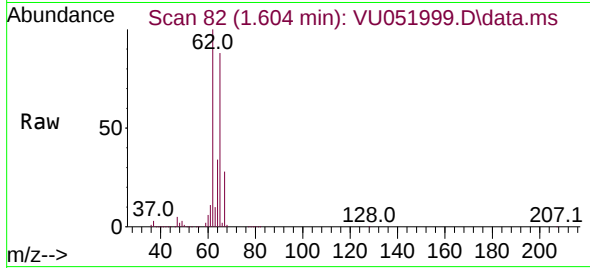




#5
 Vinyl chloride
 Concen: 142.234 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051999.D
 Acq: 21 Nov 2022 15:58

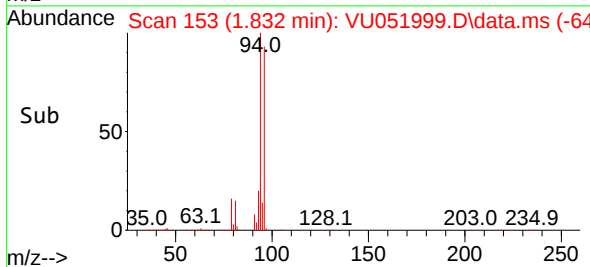
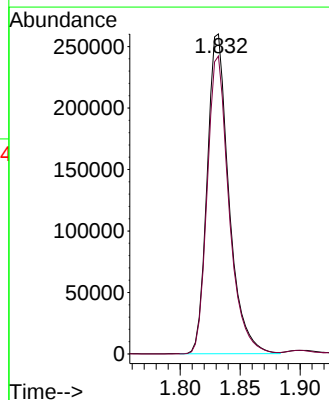
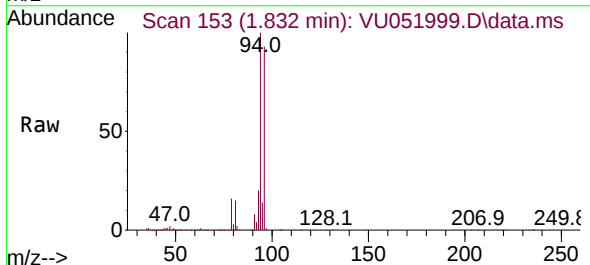
Instrument :
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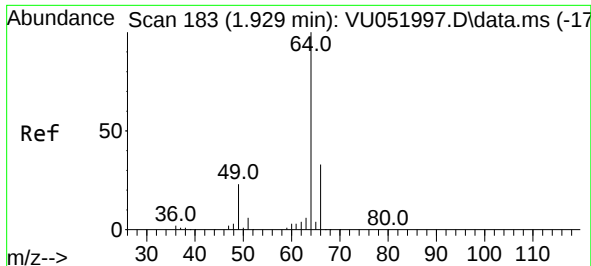
Tgt Ion: 62 Resp: 756956
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.9 44.3



#6
 Bromomethane
 Concen: 118.971 ug/L
 RT: 1.832 min Scan# 153
 Delta R.T. -0.013 min
 Lab File: VU051999.D
 Acq: 21 Nov 2022 15:58

Tgt Ion: 94 Resp: 328507
 Ion Ratio Lower Upper
 94 100
 96 93.1 66.8 124.0





#8

Chloroethane

Concen: 148.925 ug/L

RT: 1.916 min Scan# 1

Delta R.T. -0.013 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

Instrument :

MSVOA_U

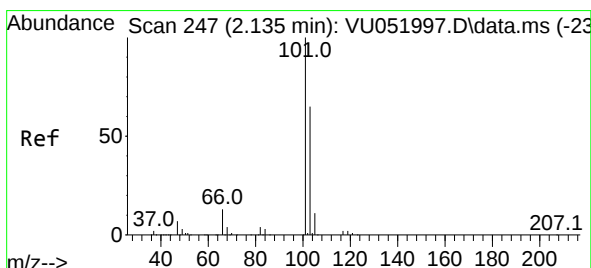
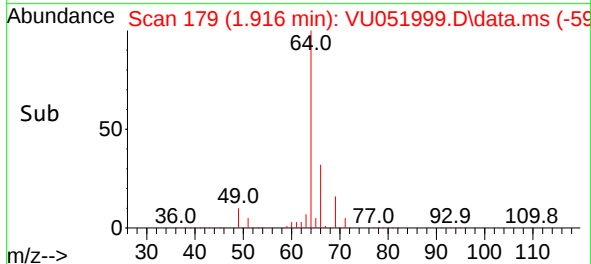
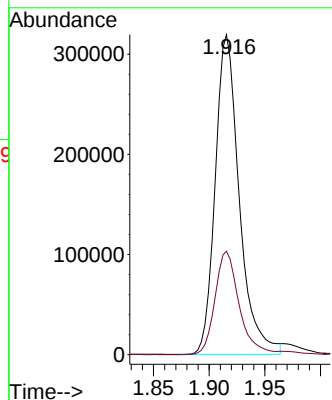
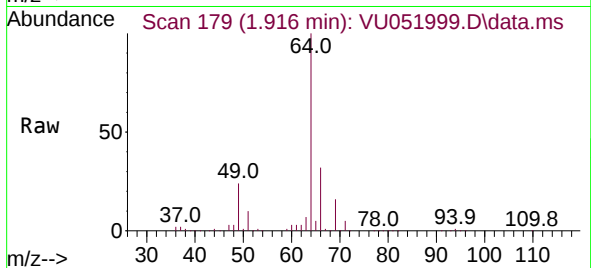
ClientSampleId :

Tgt Ion: 64 Resp: 478904

Ion Ratio Lower Upper

64 100

66 32.4 22.8 42.4



#9

Trichlorofluoromethane

Concen: 144.345 ug/L

RT: 2.128 min Scan# 245

Delta R.T. -0.007 min

Lab File: VU051999.D

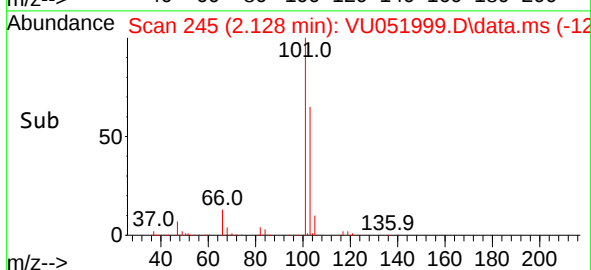
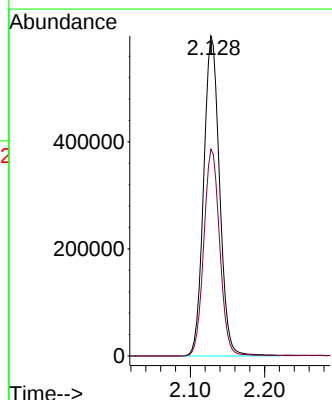
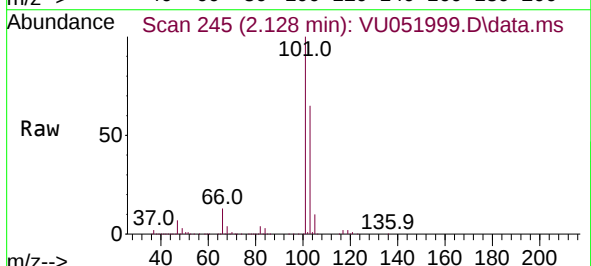
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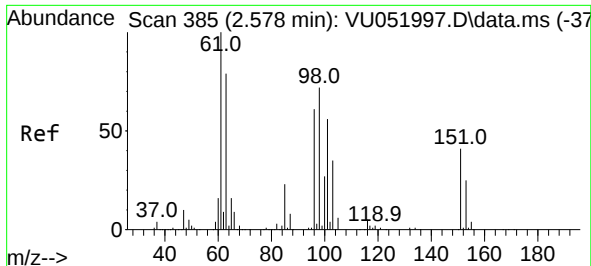
Tgt Ion:101 Resp: 889165

Ion Ratio Lower Upper

101 100

103 64.6 51.5 77.3

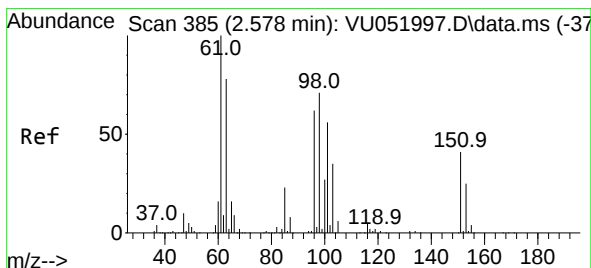
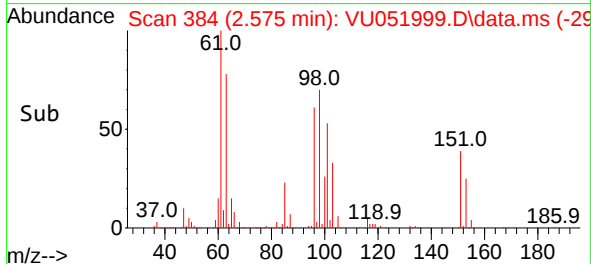
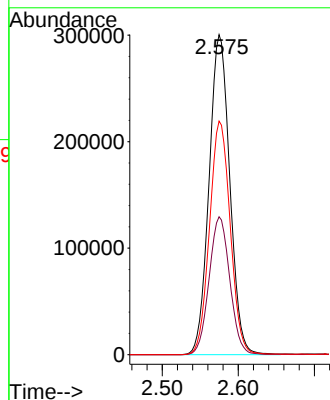
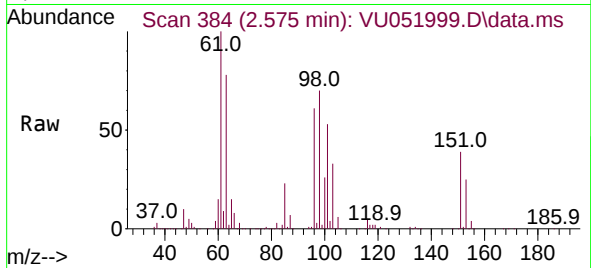




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 149.260 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.004 min
 Lab File: VU051999.D
 Acq: 21 Nov 2022 15:58

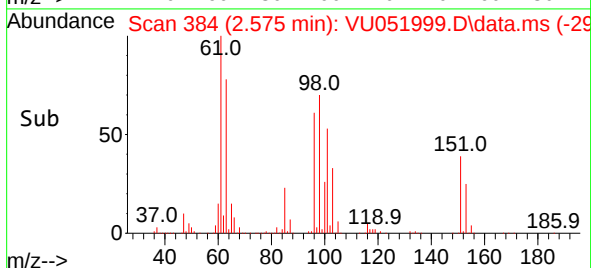
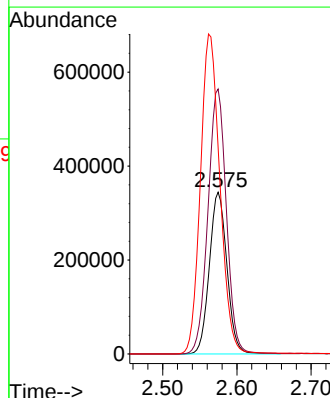
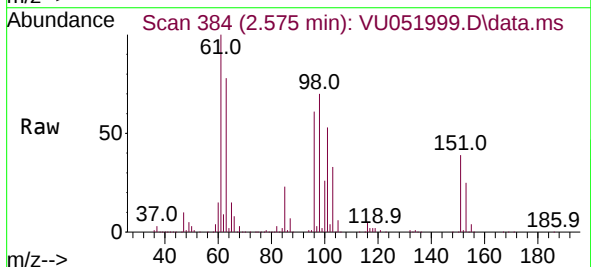
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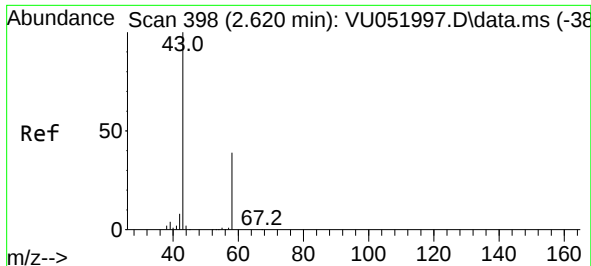
Tgt Ion:101 Resp: 568501
 Ion Ratio Lower Upper
 101 100
 85 43.0 33.6 50.4
 151 73.1 58.9 88.3



#12
 1,1-Dichloroethene
 Concen: 156.708 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.004 min
 Lab File: VU051999.D
 Acq: 21 Nov 2022 15:58

Tgt Ion: 96 Resp: 565406
 Ion Ratio Lower Upper
 96 100
 61 163.7 114.2 212.0
 63 127.7 90.9 168.7





#13

Acetone

Concen: 300.568 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

Instrument :

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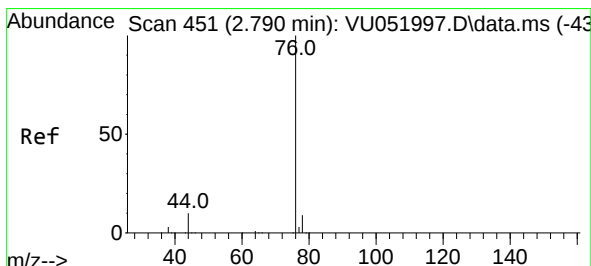
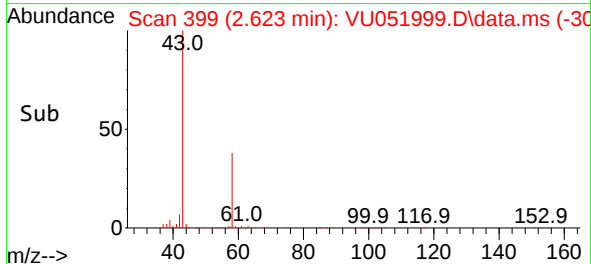
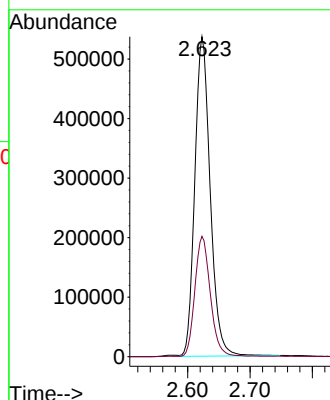
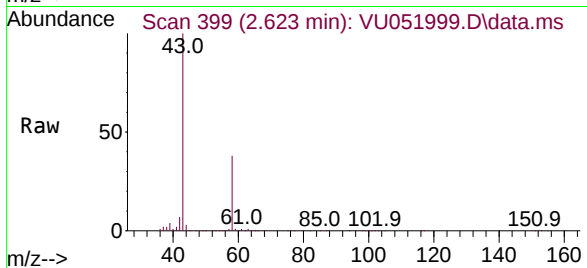
ClientSampleId :

Tgt Ion: 43 Resp: 916776

Ion Ratio Lower Upper

43 100

58 37.7 0.0 76.6



#14

Carbon disulfide

Concen: 128.377 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU051999.D

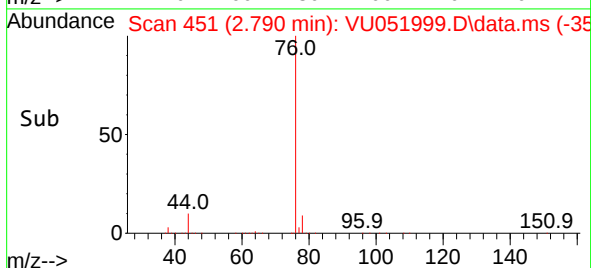
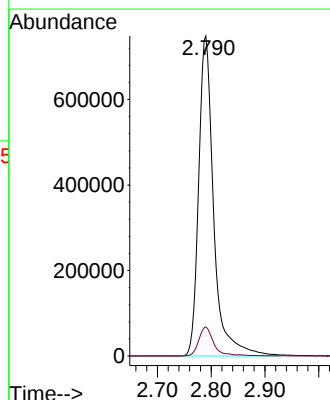
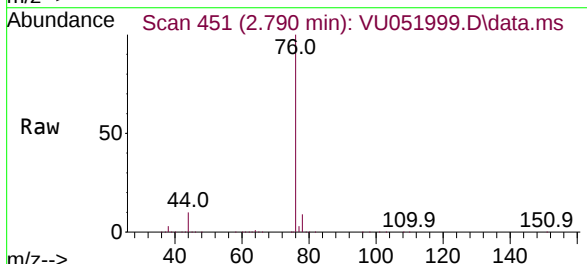
Acq: 21 Nov 2022 15:58

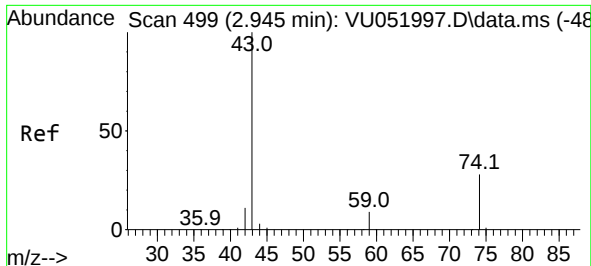
Tgt Ion: 76 Resp: 1453438

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

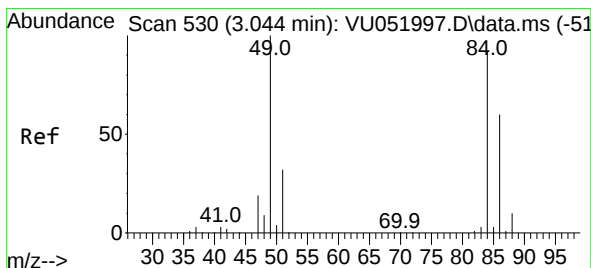
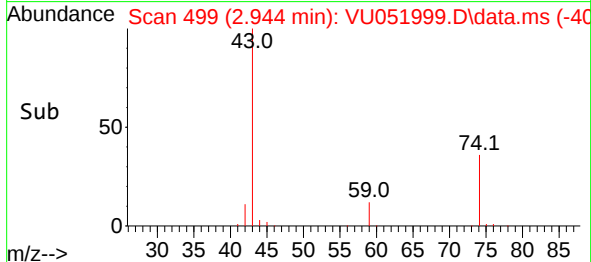
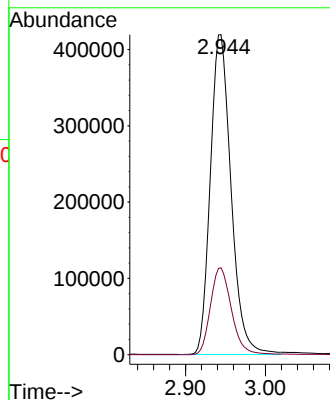
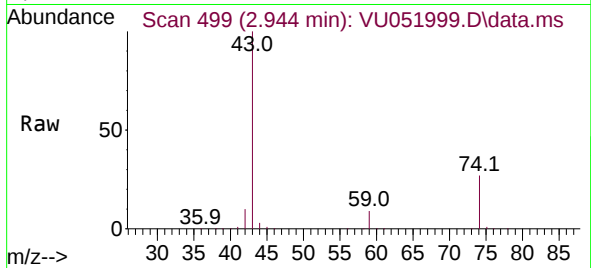




#15
Methyl Acetate
Concen: 161.152 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.000 min
Lab File: VU051999.D
Acq: 21 Nov 2022 15:58

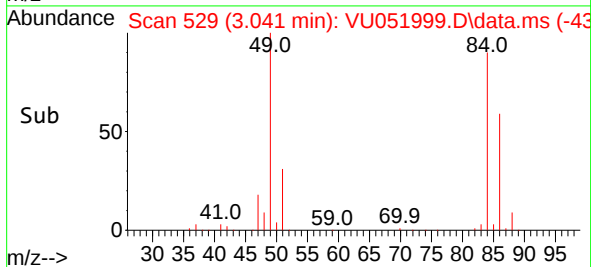
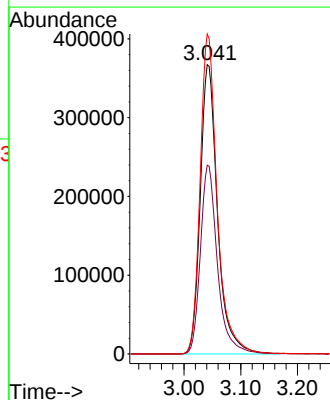
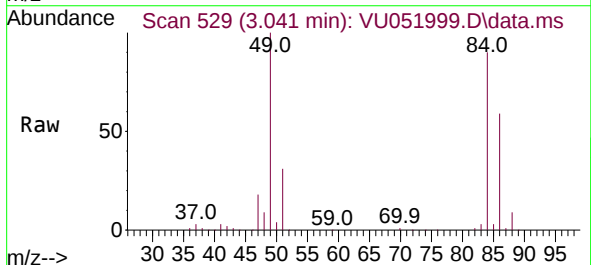
Instrument :
MSVOA_U
ClientSampleId :

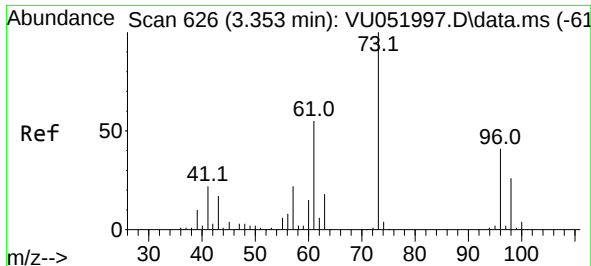
Tgt Ion: 43 Resp: 753918
Ion Ratio Lower Upper
43 100
74 27.5 22.2 33.4



#16
Methylene chloride
Concen: 161.819 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.004 min
Lab File: VU051999.D
Acq: 21 Nov 2022 15:58

Tgt Ion: 84 Resp: 778312
Ion Ratio Lower Upper
84 100
86 65.3 45.2 84.0
49 110.6 75.9 141.1





#17

trans-1,2-Dichloroethene

Concen: 164.140 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.004 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

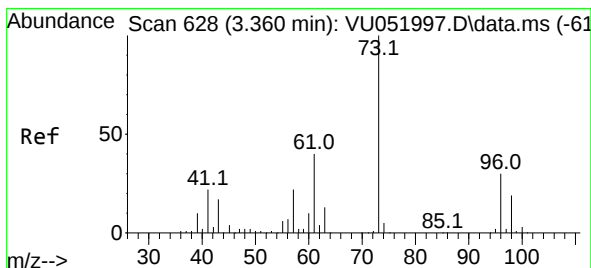
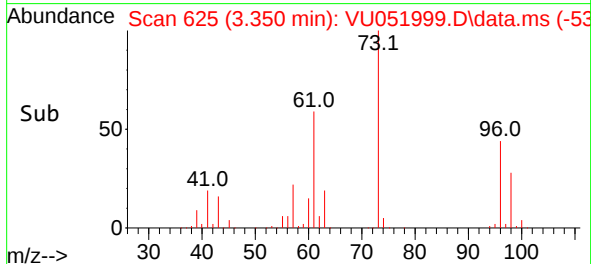
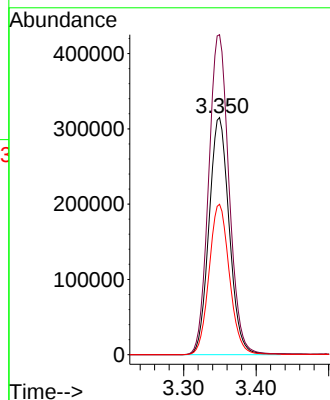
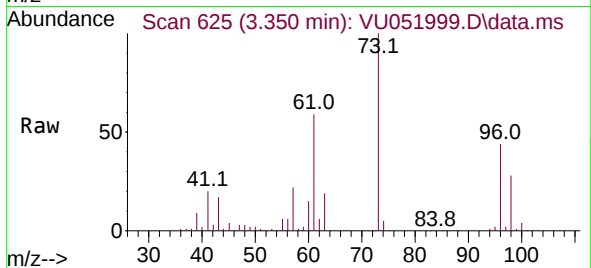
Tgt Ion: 96 Resp: 611728

Ion Ratio Lower Upper

96 100

61 134.9 93.9 174.3

98 63.4 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 199.492 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.003 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

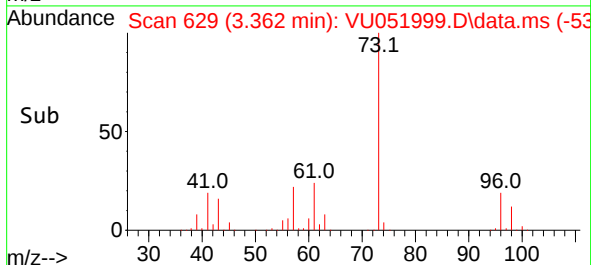
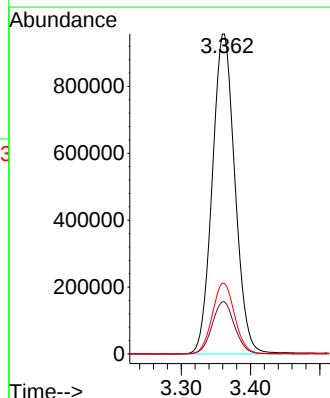
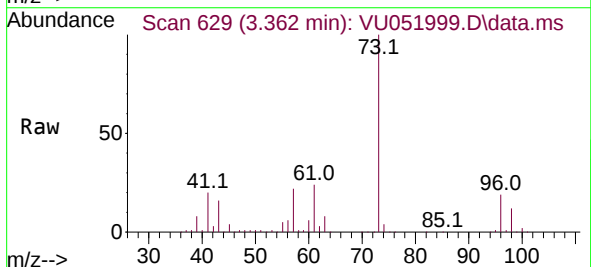
Tgt Ion: 73 Resp: 2171873

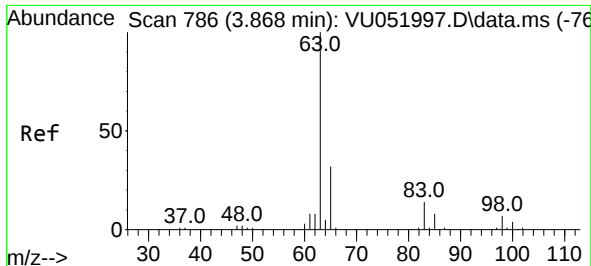
Ion Ratio Lower Upper

73 100

43 16.2 13.1 19.7

57 22.0 17.8 26.6





#19

1,1-Dichloroethane

Concen: 169.147 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.004 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

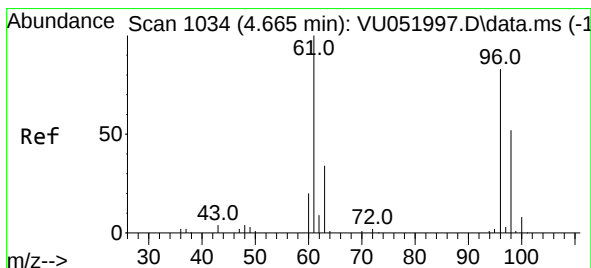
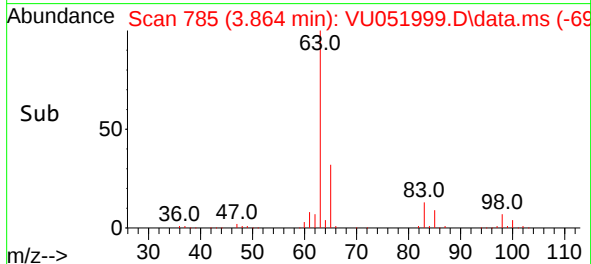
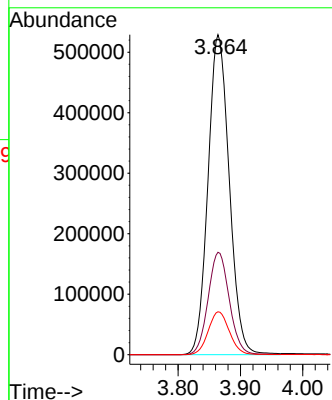
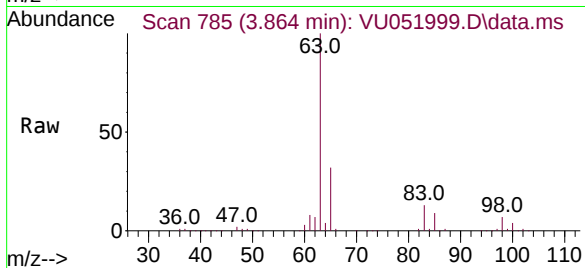
Tgt Ion: 63 Resp: 1254126

Ion Ratio Lower Upper

63 100

65 32.0 22.3 41.3

83 13.4 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 187.332 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.004 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

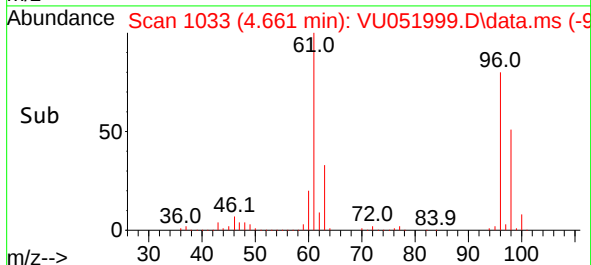
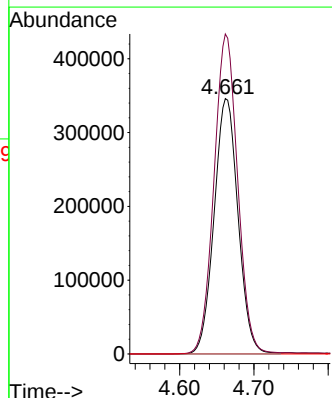
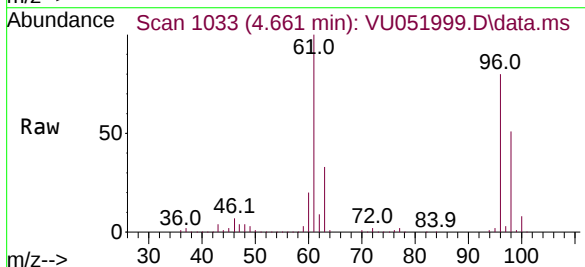
Tgt Ion: 96 Resp: 775730

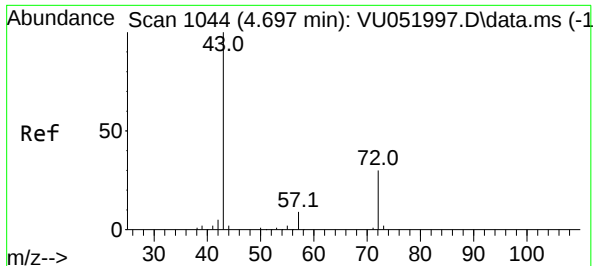
Ion Ratio Lower Upper

96 100

61 125.3 84.5 156.9

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 356.871 ug/L

RT: 4.697 min Scan# 1044

Delta R.T. -0.000 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

Instrument :

MSVOA_U

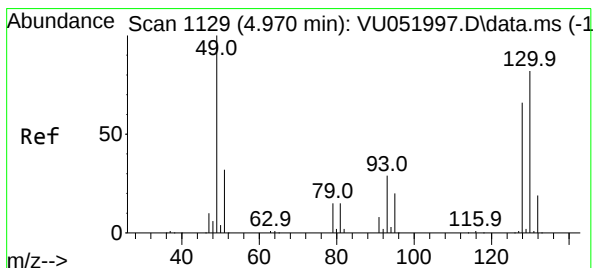
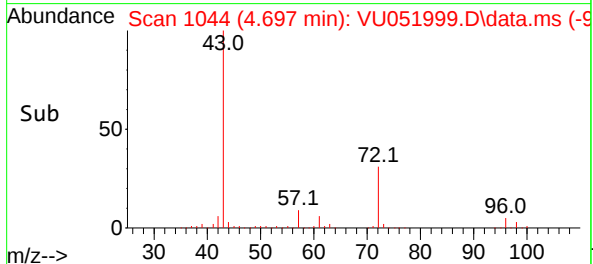
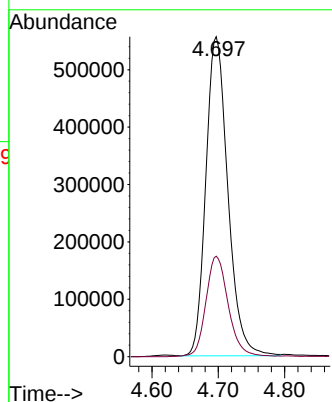
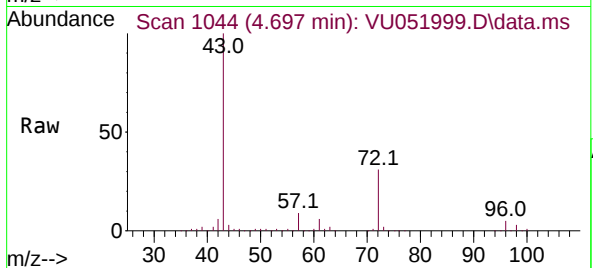
ClientSampleId :

Tgt Ion: 43 Resp: 1282311

Ion Ratio Lower Upper

43 100

72 32.1 15.9 47.7



#23

Bromochloromethane

Concen: 176.477 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

Tgt Ion:128 Resp: 407808

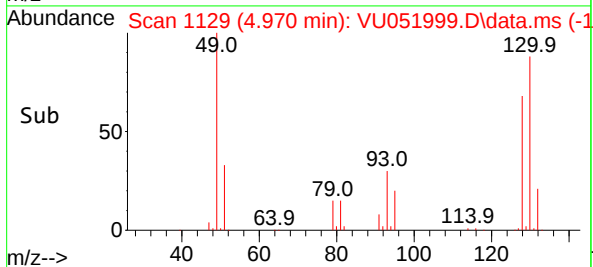
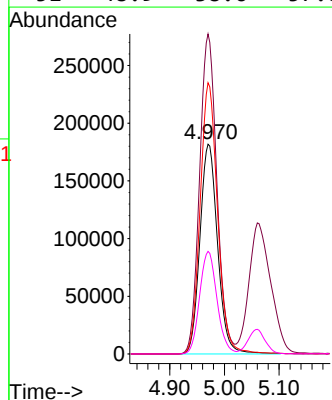
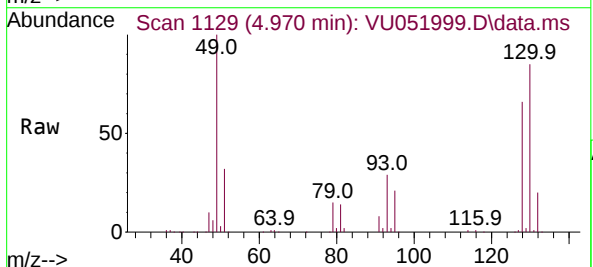
Ion Ratio Lower Upper

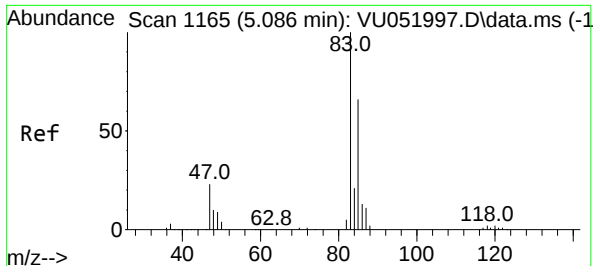
128 100

49 152.5 106.3 197.3

130 129.2 87.4 162.2

51 48.9 38.6 57.8





#25

Chloroform

Concen: 169.651 ug/L

RT: 5.083 min Scan# 1165

Delta R.T. -0.004 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

Instrument :

MSVOA_U

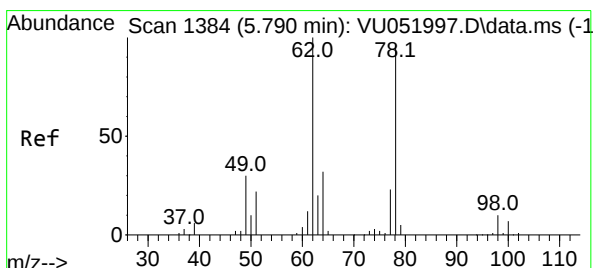
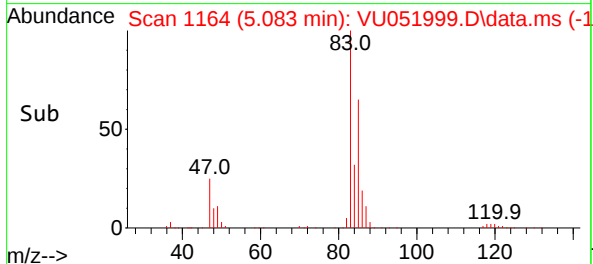
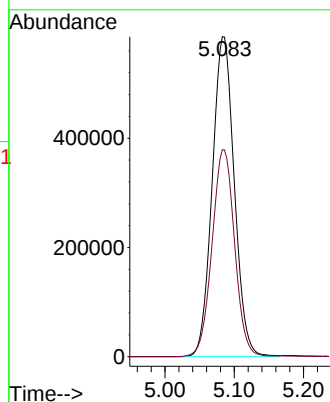
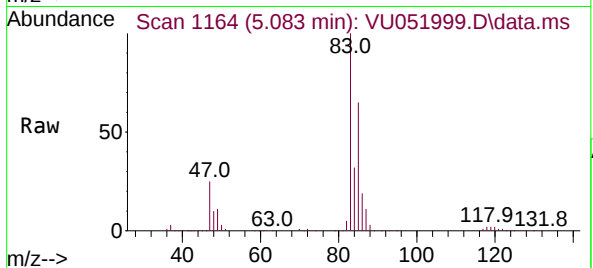
ClientSampleId :

Tgt Ion: 83 Resp: 1298216

Ion Ratio Lower Upper

83 100

85 64.6 46.3 85.9



#27

1,2-Dichloroethane

Concen: 165.368 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU051999.D

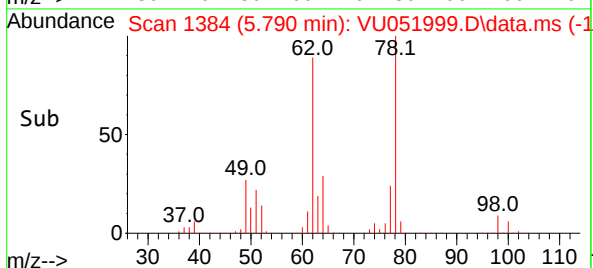
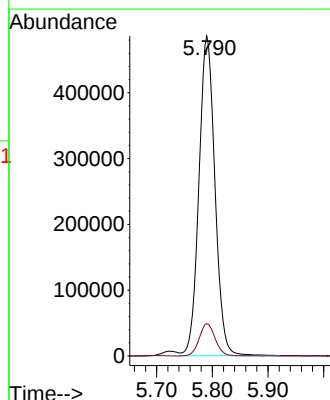
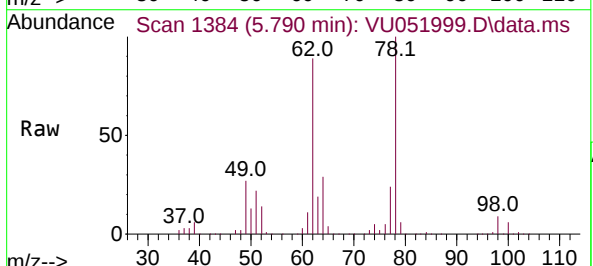
Acq: 21 Nov 2022 15:58

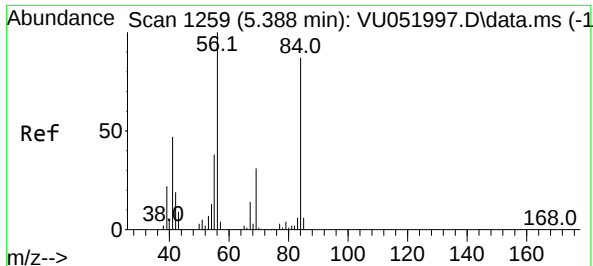
Tgt Ion: 62 Resp: 972373

Ion Ratio Lower Upper

62 100

98 10.1 7.9 11.9





#29

Cyclohexane

Concen: 186.027 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.004 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

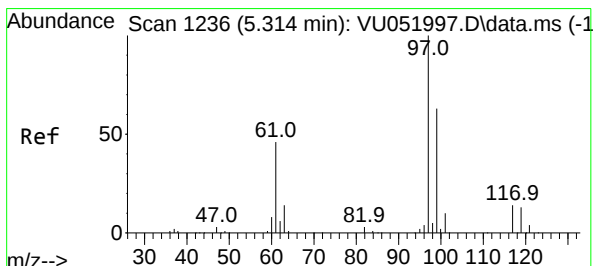
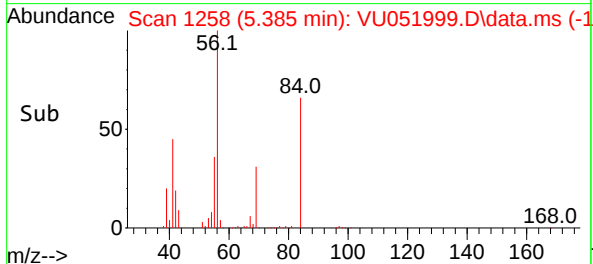
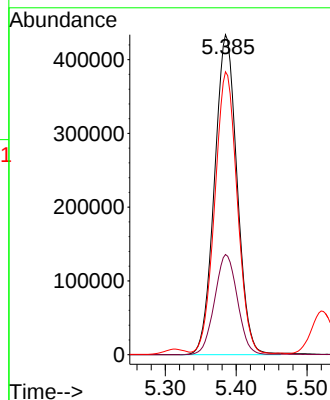
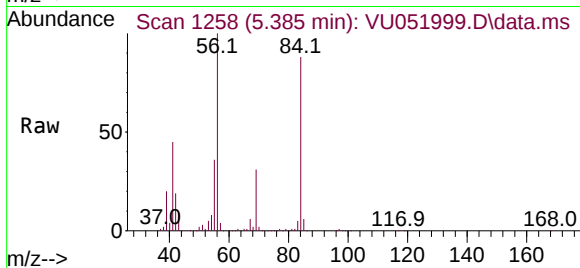
Tgt Ion: 56 Resp: 960647

Ion Ratio Lower Upper

56 100

69 31.6 25.7 38.5

84 88.1 70.2 105.2



#30

1,1,1-Trichloroethane

Concen: 168.364 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.000 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

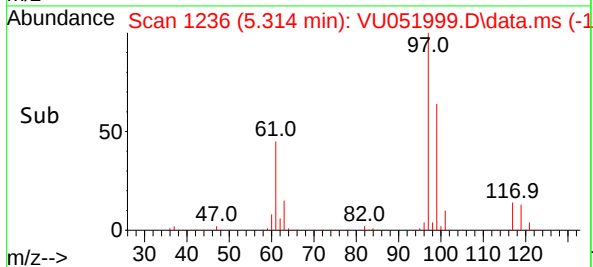
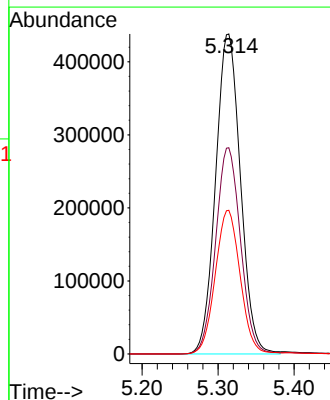
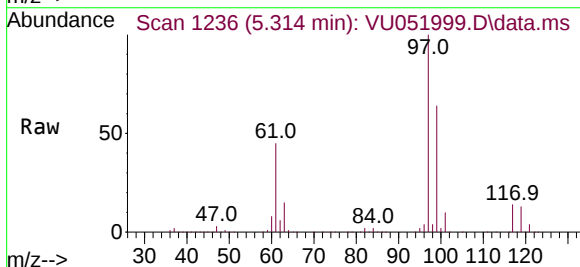
Tgt Ion: 97 Resp: 996027

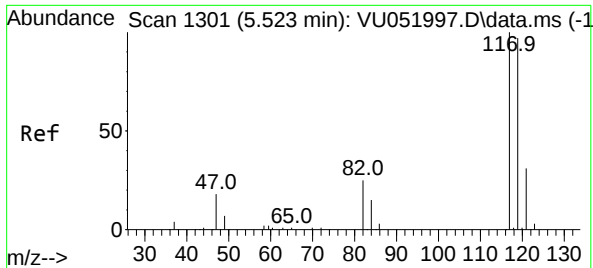
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

61 44.9 37.2 55.8

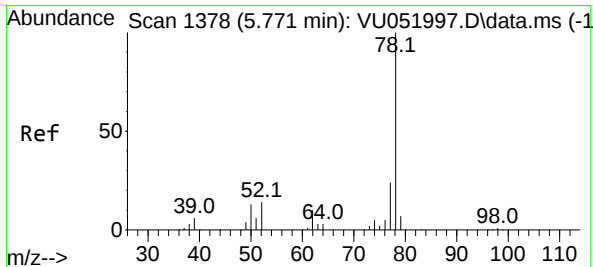
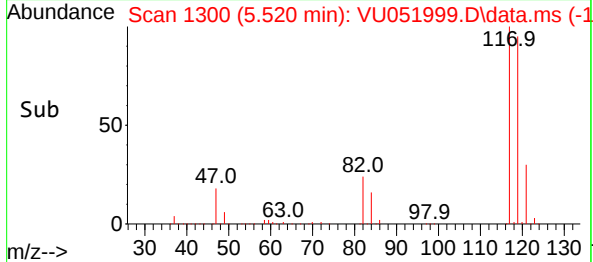
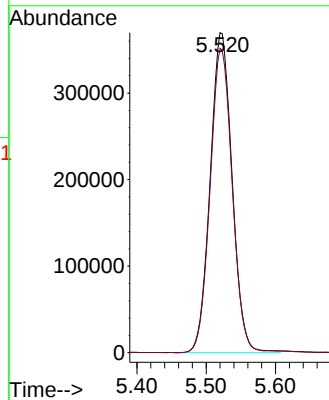
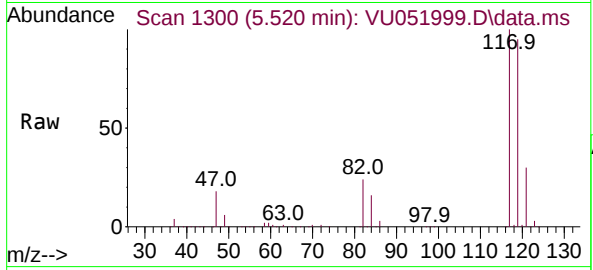




#31
Carbon tetrachloride
Concen: 163.465 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.004 min
Lab File: VU051999.D
Acq: 21 Nov 2022 15:58

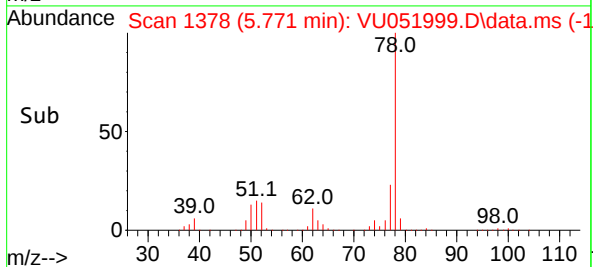
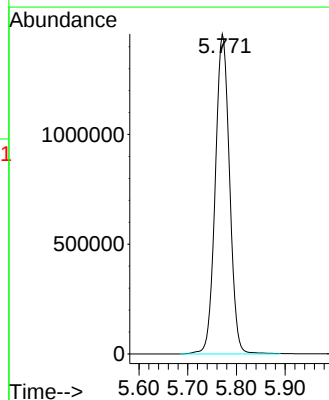
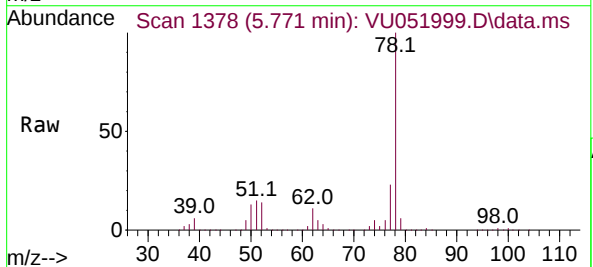
Instrument :
MSVOA_U
ClientSampleId :

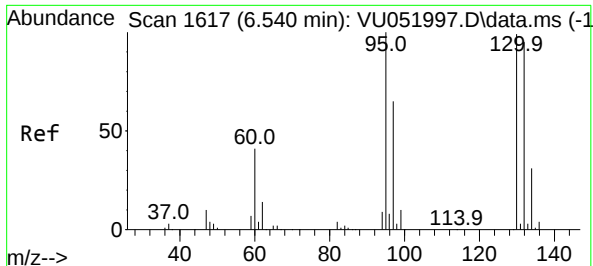
Tgt Ion:117 Resp: 811729
Ion Ratio Lower Upper
117 100
119 95.7 77.4 116.2



#33
Benzene
Concen: 181.364 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU051999.D
Acq: 21 Nov 2022 15:58

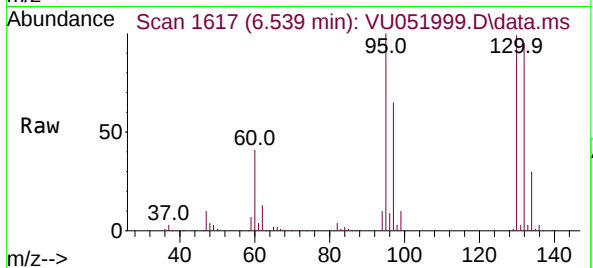
Tgt Ion: 78 Resp: 2971901





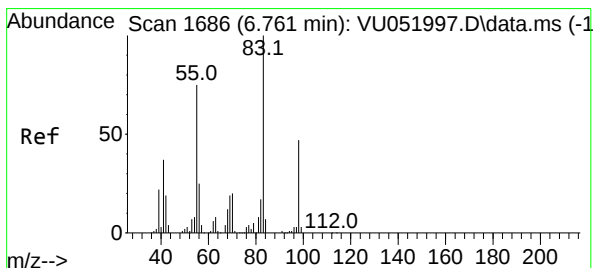
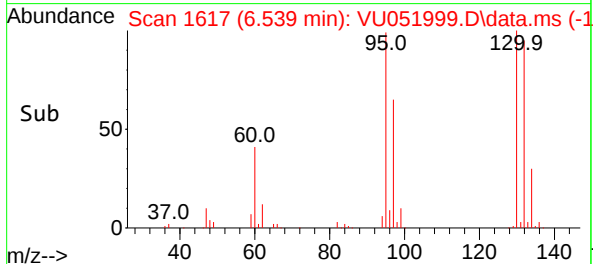
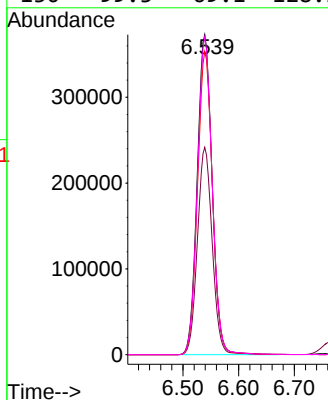
#34
Trichloroethene
Concen: 176.508 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU051999.D
Acq: 21 Nov 2022 15:58

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 695631

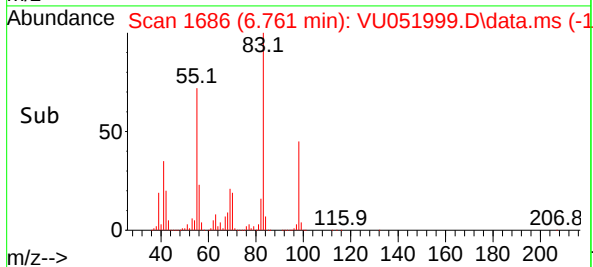
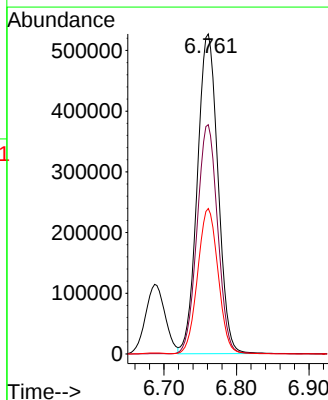
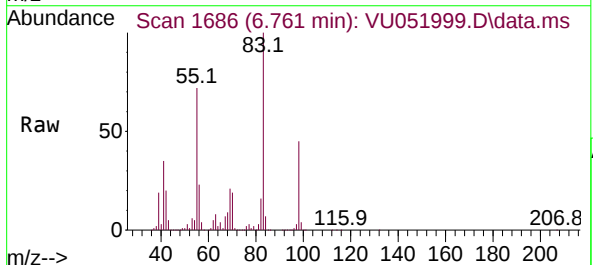
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.3	84.1
132	94.8	66.8	124.2
130	99.3	69.1	128.3

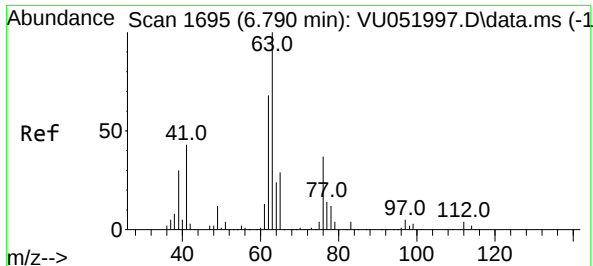


#35
Methylcyclohexane
Concen: 187.090 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU051999.D
Acq: 21 Nov 2022 15:58

Tgt Ion: 83 Resp: 1040404

Ion	Ratio	Lower	Upper
83	100		
55	71.5	59.0	88.6
98	45.1	36.0	54.0





#37

1,2-Dichloropropane

Concen: 185.057 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.004 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

Instrument :

MSVOA_U

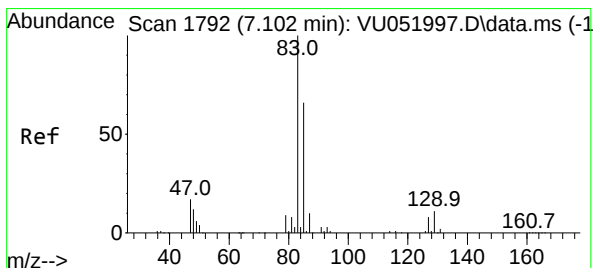
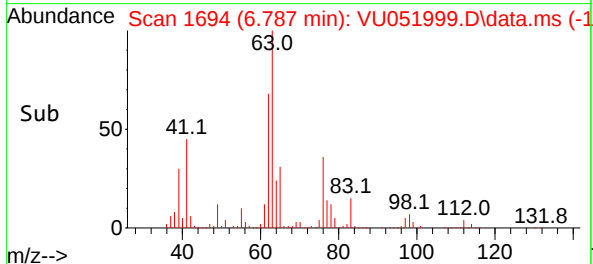
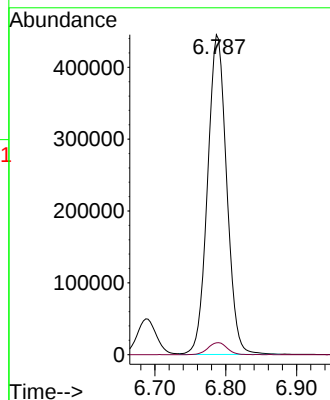
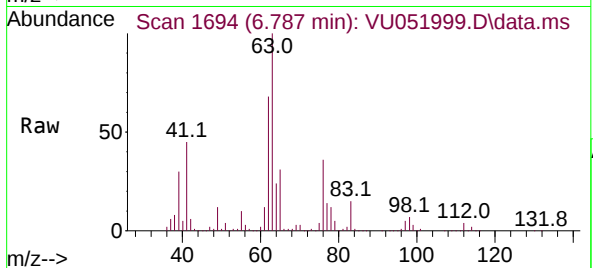
ClientSampleId :

Tgt Ion: 63 Resp: 834300

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 182.524 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

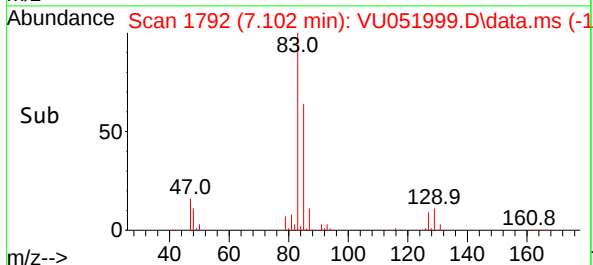
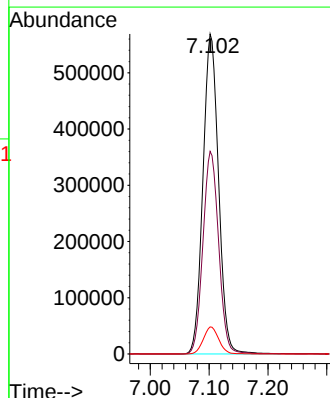
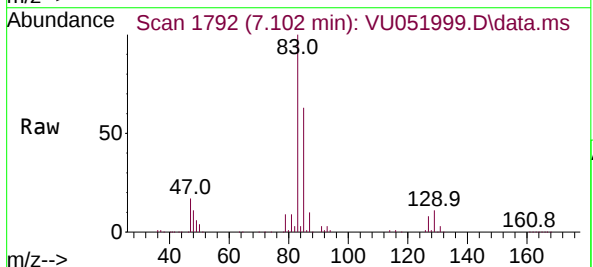
Tgt Ion: 83 Resp: 1047362

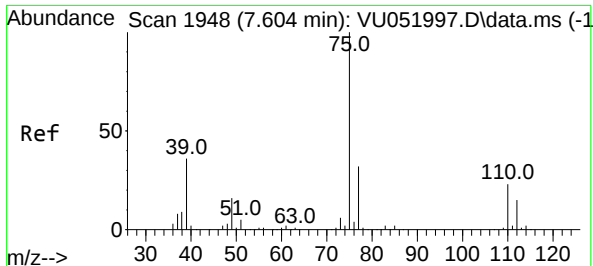
Ion Ratio Lower Upper

83 100

85 63.3 45.9 85.3

127 8.4 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 214.811 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

Instrument :

MSVOA_U

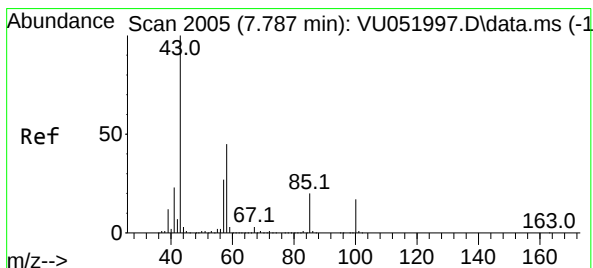
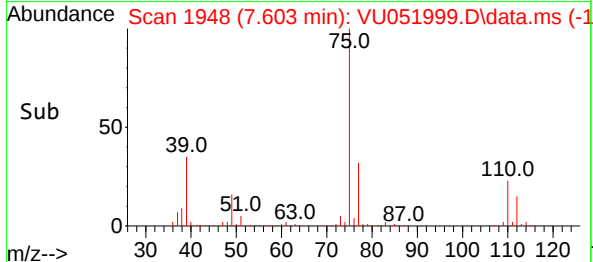
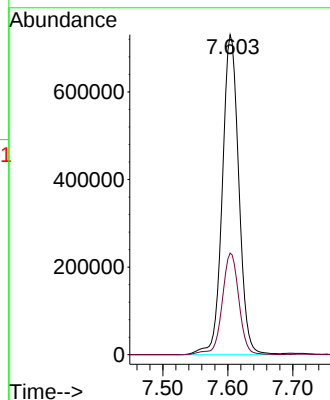
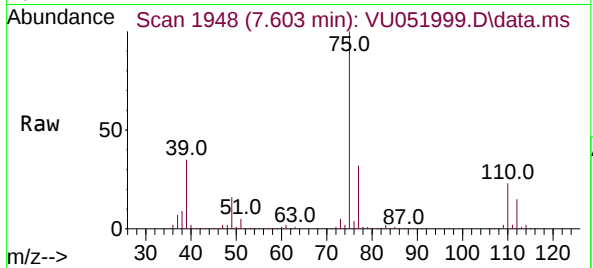
ClientSampleId :

Tgt Ion: 75 Resp: 1283244

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 411.788 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

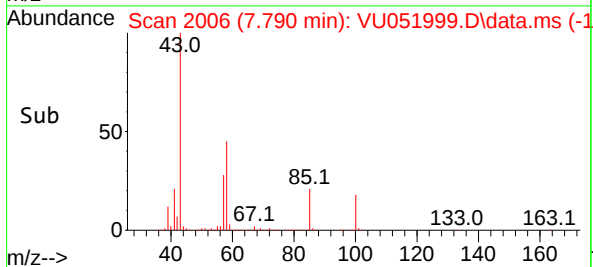
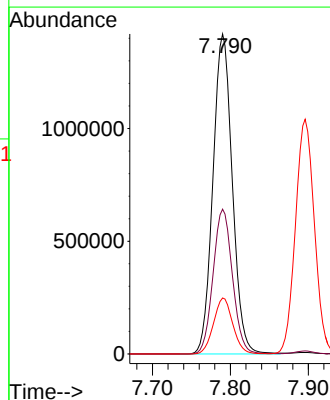
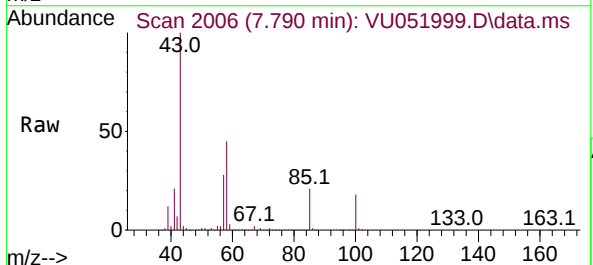
Tgt Ion: 43 Resp: 2452638

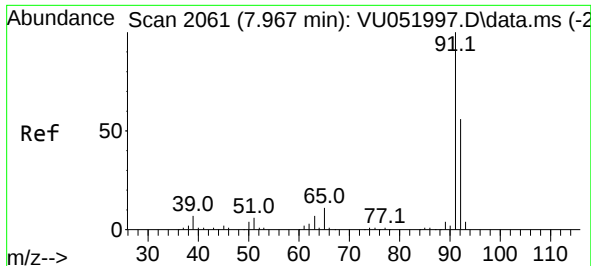
Ion Ratio Lower Upper

43 100

58 45.3 35.8 53.6

100 17.4 13.5 20.3





#42

Toluene

Concen: 191.290 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

Instrument :

MSVOA_U

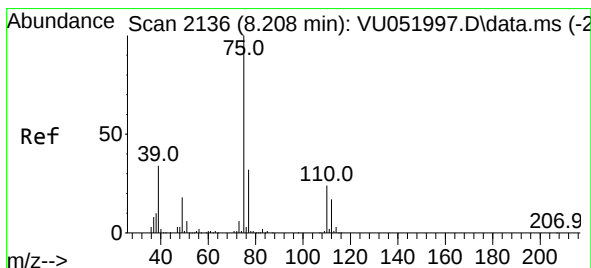
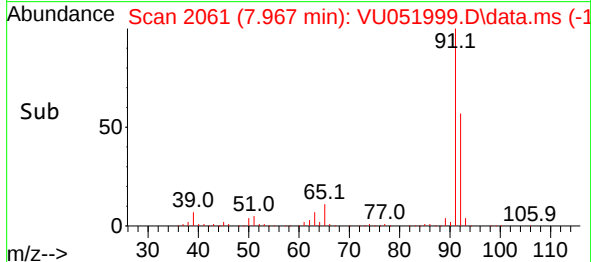
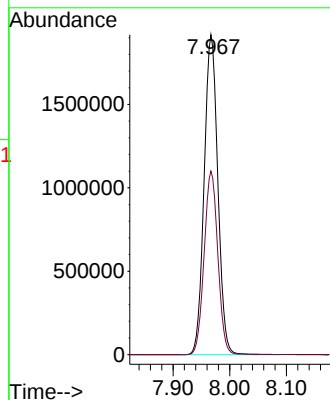
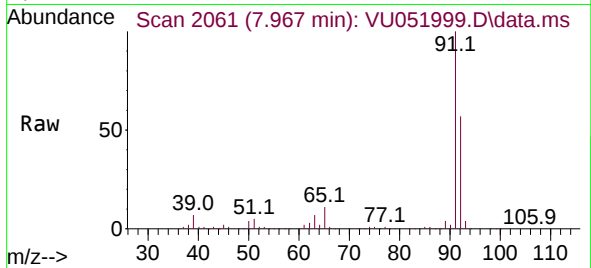
ClientSampleId :

Tgt Ion: 91 Resp: 3215617

Ion Ratio Lower Upper

91 100

92 57.4 39.2 72.8



#44

trans-1,3-Dichloropropene

Concen: 209.187 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051999.D

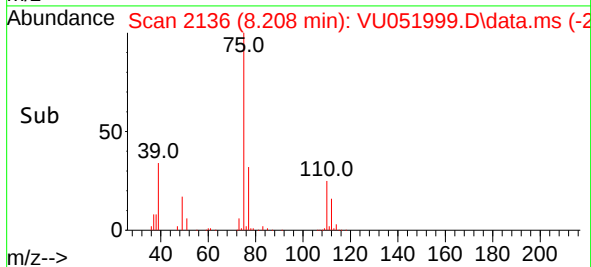
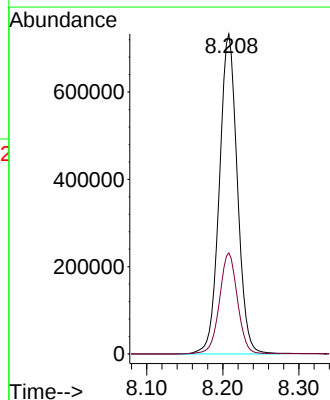
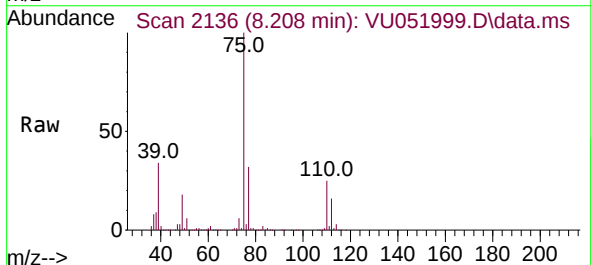
Acq: 21 Nov 2022 15:58

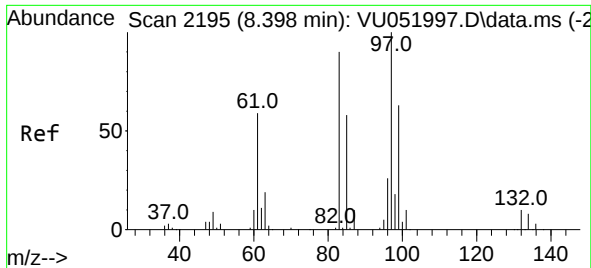
Tgt Ion: 75 Resp: 1204140

Ion Ratio Lower Upper

75 100

77 31.6 22.7 42.1

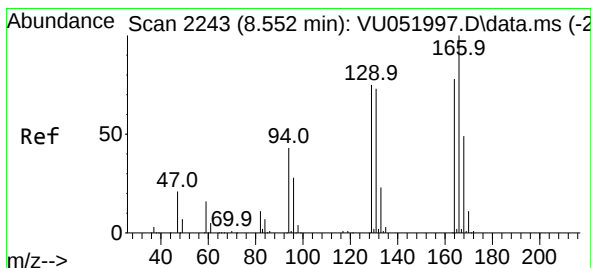
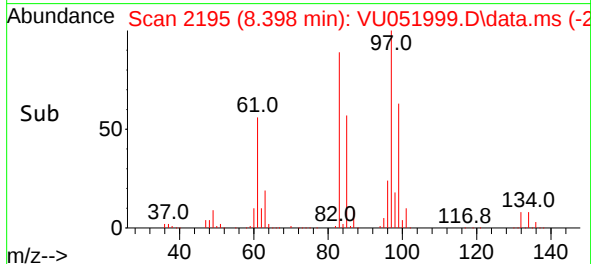
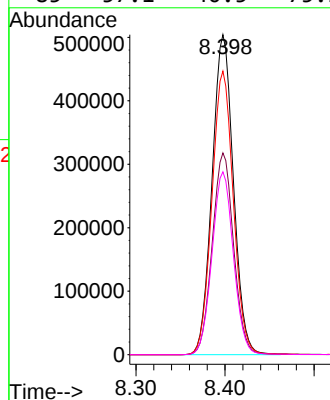
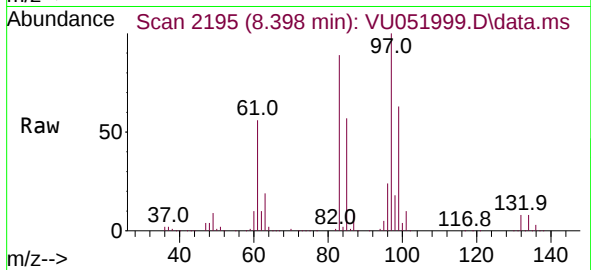




#45
1,1,2-Trichloroethane
Concen: 186.366 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051999.D
Acq: 21 Nov 2022 15:58

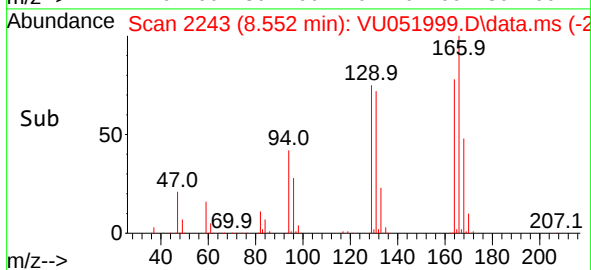
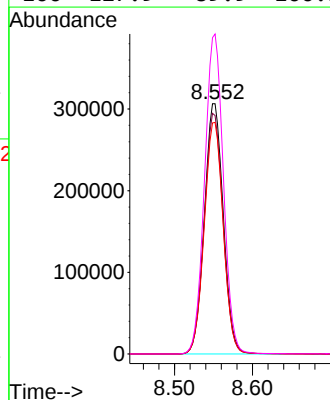
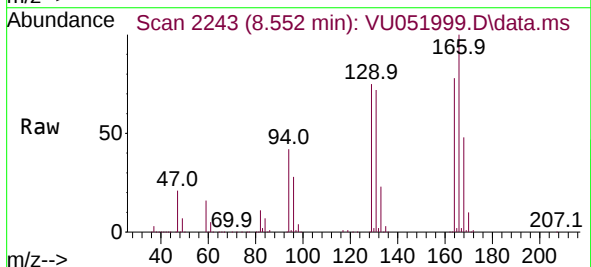
Instrument :
MSVOA_U
ClientSampleId :

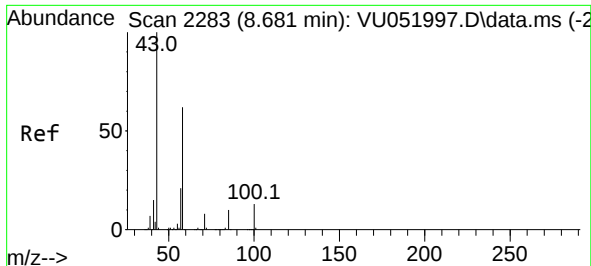
Tgt Ion:	97	Resp:	838926
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.4	82.4
83	88.6	63.2	117.4
85	57.1	40.5	75.3



#46
Tetrachloroethene
Concen: 177.056 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU051999.D
Acq: 21 Nov 2022 15:58

Tgt Ion:	164	Resp:	517823
Ion	Ratio	Lower	Upper
164	100		
129	95.3	67.3	124.9
131	92.5	65.2	121.2
166	127.9	89.9	166.9



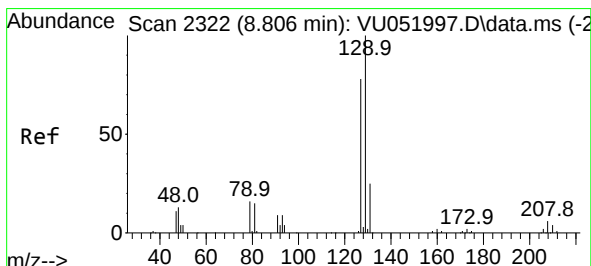
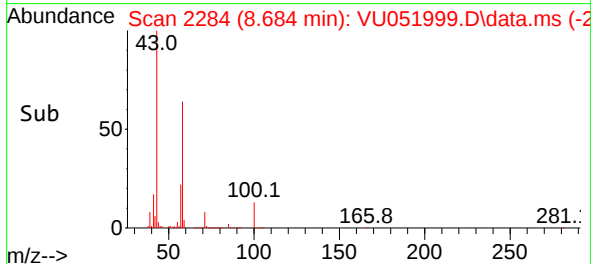
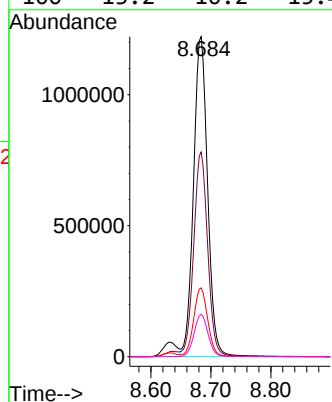
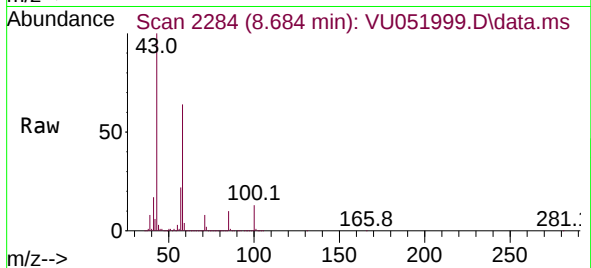


#48
2-Hexanone
Concen: 397.044 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051999.D
Acq: 21 Nov 2022 15:58

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 1993671

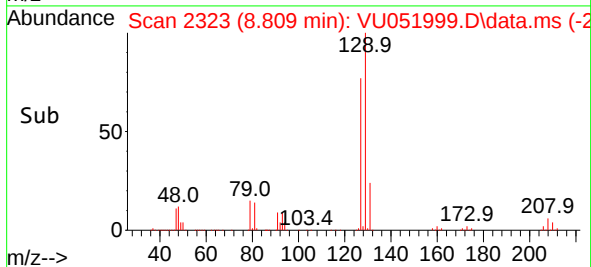
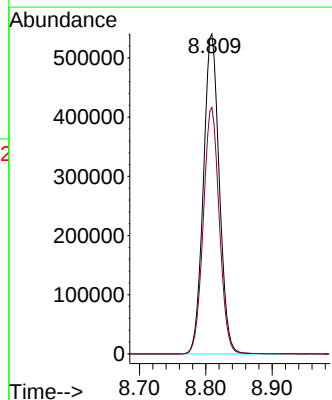
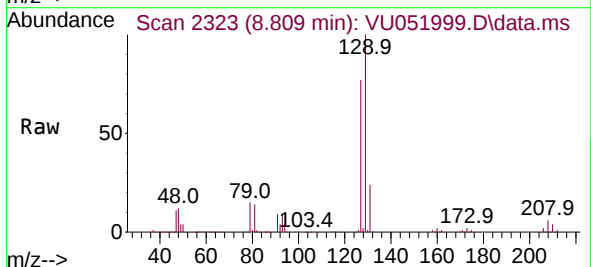
Ion	Ratio	Lower	Upper
43	100		
58	63.9	49.6	74.4
57	21.5	16.8	25.2
100	13.2	10.2	15.4

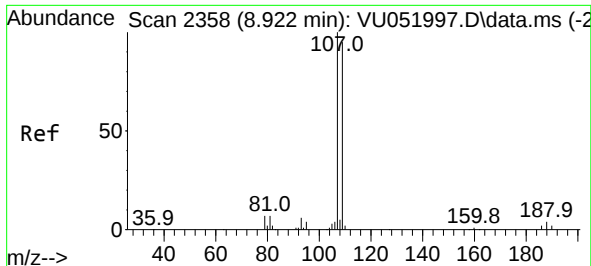


#49
Dibromochloromethane
Concen: 195.142 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU051999.D
Acq: 21 Nov 2022 15:58

Tgt Ion: 129 Resp: 900485

Ion	Ratio	Lower	Upper
129	100		
127	77.0	54.5	101.1





#50

1,2-Dibromoethane

Concen: 189.345 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

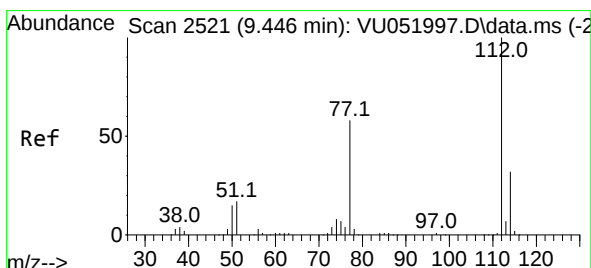
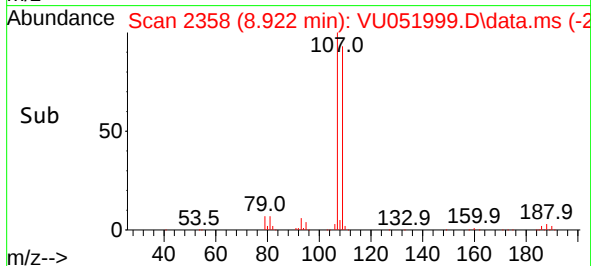
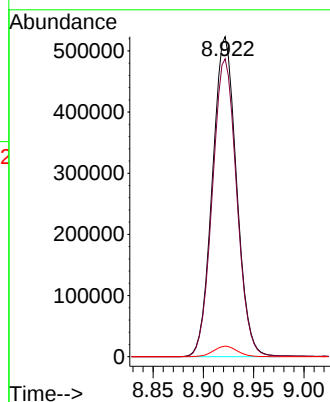
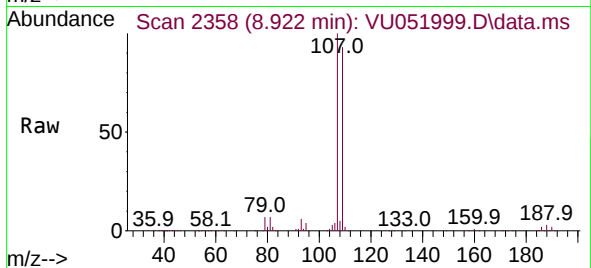
Tgt Ion:107 Resp: 873321

Ion Ratio Lower Upper

107 100

109 93.1 66.6 123.8

188 3.3 2.9 4.3



#51

Chlorobenzene

Concen: 192.414 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.004 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

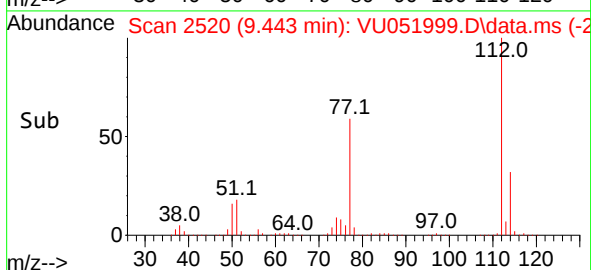
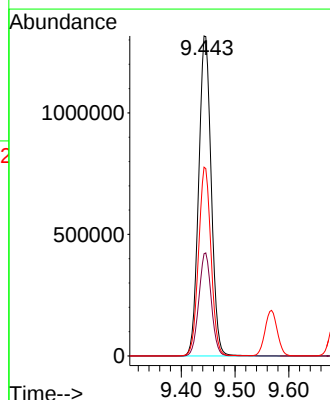
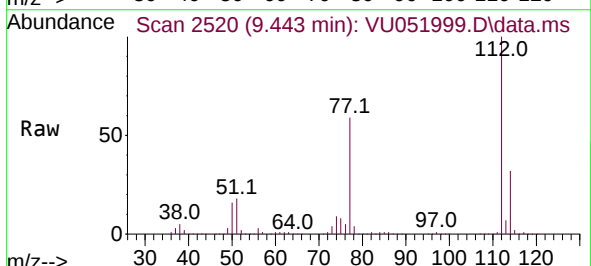
Tgt Ion:112 Resp: 2129580

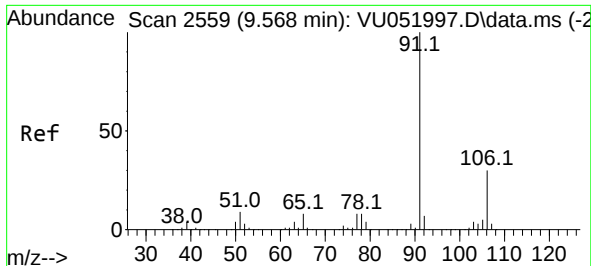
Ion Ratio Lower Upper

112 100

114 31.9 22.2 41.2

77 59.0 46.5 69.7

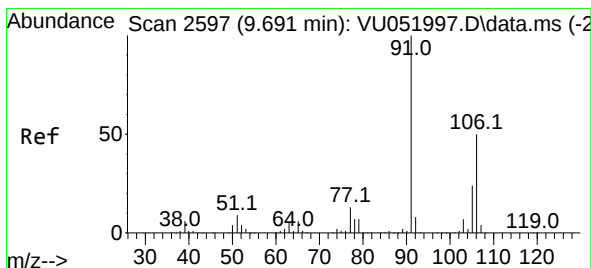
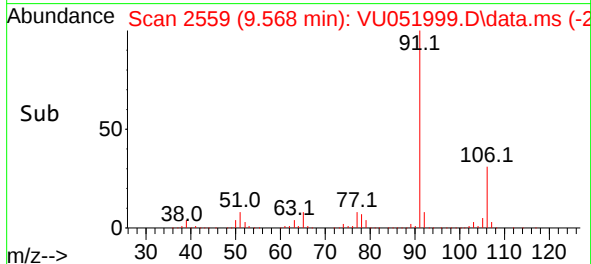
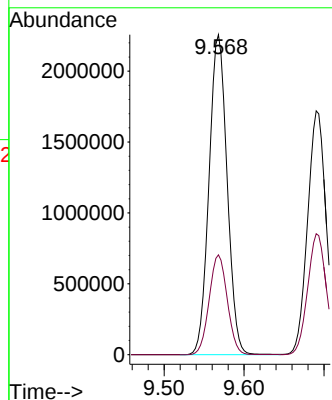
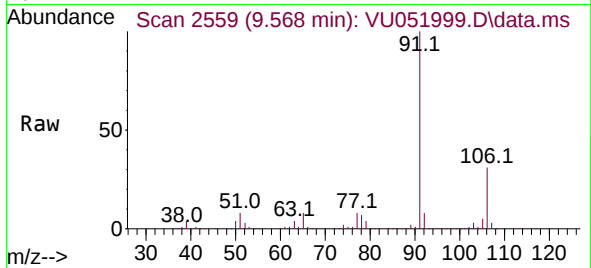




#52
Ethylbenzene
Concen: 208.768 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051999.D
Acq: 21 Nov 2022 15:58

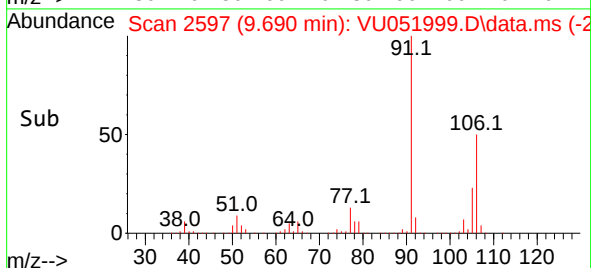
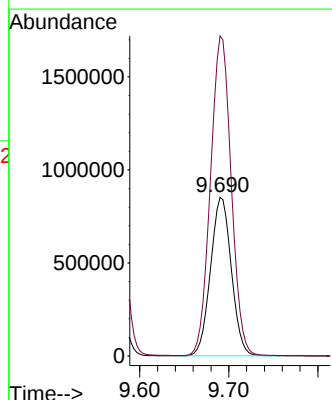
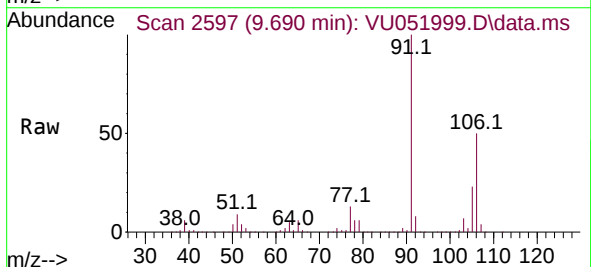
Instrument :
MSVOA_U
ClientSampleId :

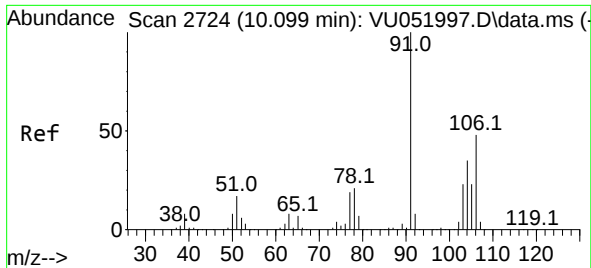
Tgt Ion: 91 Resp: 3545685
Ion Ratio Lower Upper
91 100
106 31.2 21.2 39.4



#53
m,p-Xylene
Concen: 211.749 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU051999.D
Acq: 21 Nov 2022 15:58

Tgt Ion: 106 Resp: 1381818
Ion Ratio Lower Upper
106 100
91 201.7 140.3 260.6

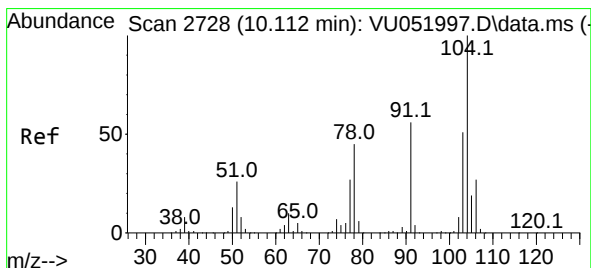
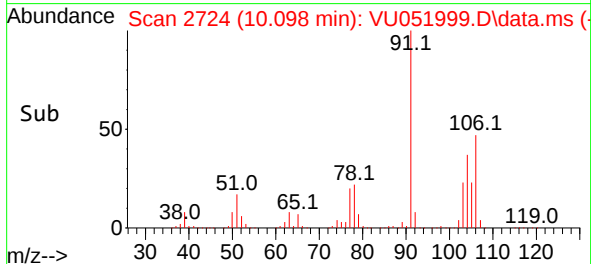
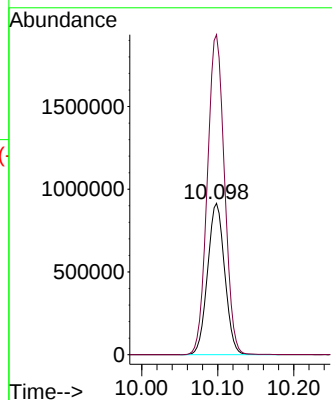
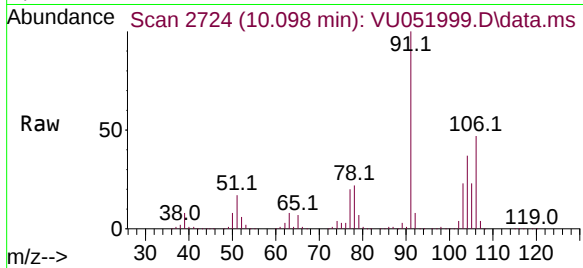




#54
o-Xylene
Concen: 219.030 ug/L
RT: 10.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU051999.D
Acq: 21 Nov 2022 15:58

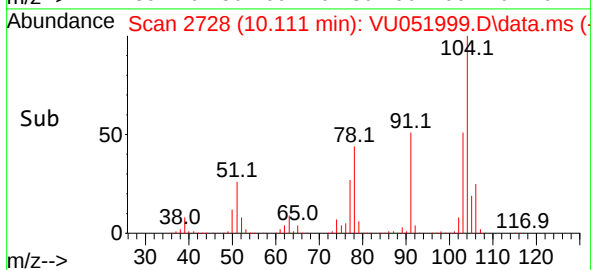
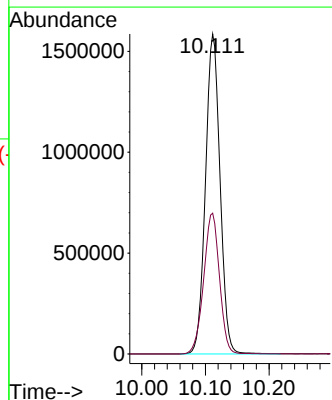
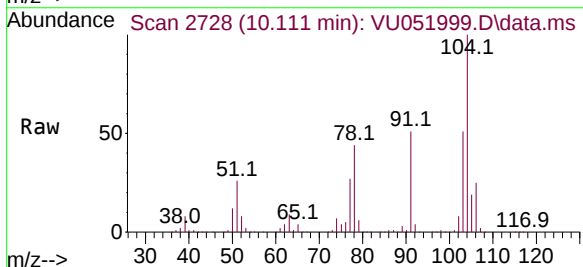
Instrument :
MSVOA_U
ClientSampleId :

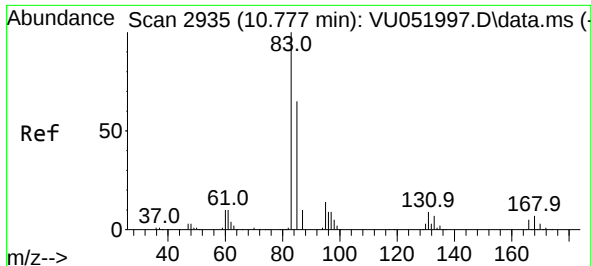
Tgt Ion:106 Resp: 1431811
Ion Ratio Lower Upper
106 100
91 211.4 146.7 272.4



#55
Styrene
Concen: 224.792 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU051999.D
Acq: 21 Nov 2022 15:58

Tgt Ion:104 Resp: 2525727
Ion Ratio Lower Upper
104 100
78 44.0 31.2 58.0

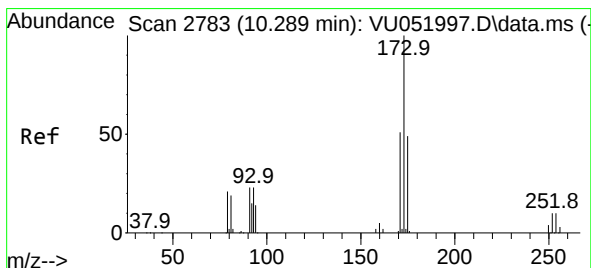
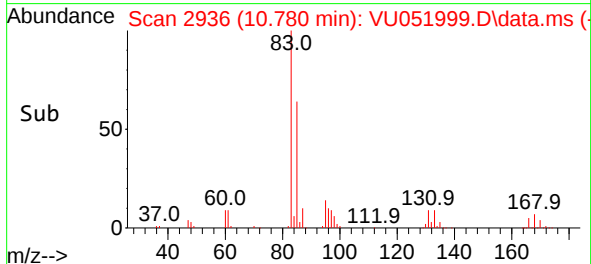
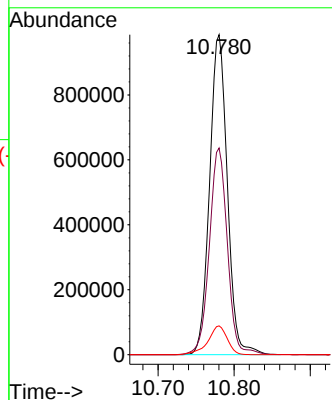
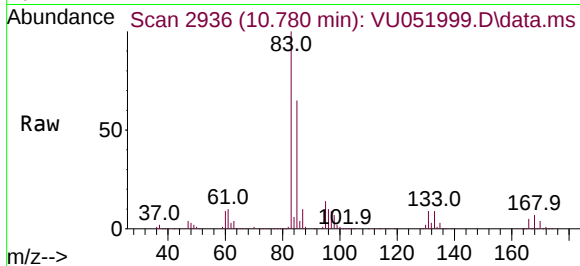




#57
 1,1,2,2-Tetrachloroethane
 Concen: 186.658 ug/L
 RT: 10.780 min Scan# 2936
 Delta R.T. 0.003 min
 Lab File: VU051999.D
 Acq: 21 Nov 2022 15:58

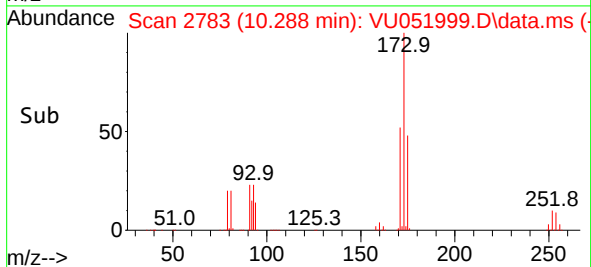
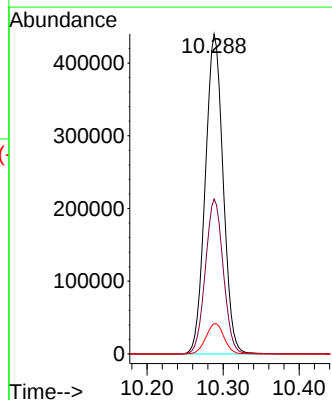
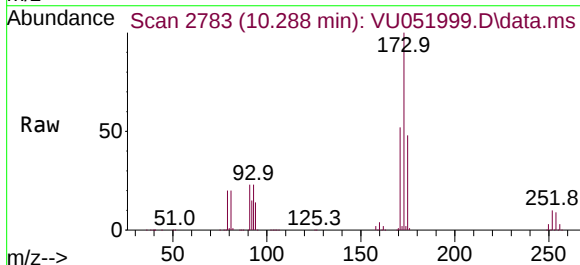
Instrument :
 MSVOA_U
 ClientSampleId :

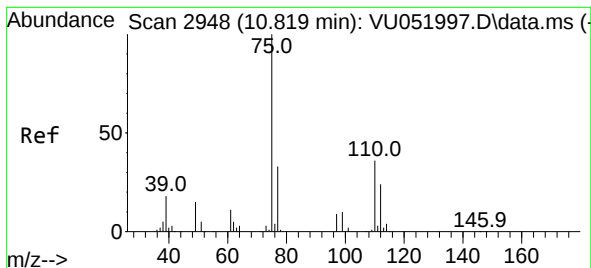
Tgt Ion: 83 Resp: 1594229
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.4 84.2
 131 9.0 7.3 10.9



#59
 Bromoform
 Concen: 183.144 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. -0.000 min
 Lab File: VU051999.D
 Acq: 21 Nov 2022 15:58

Tgt Ion:173 Resp: 716692
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.8 59.6
 254 9.7 7.5 11.3





#60

1,2,3-Trichloropropane

Concen: 165.104 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. -0.000 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

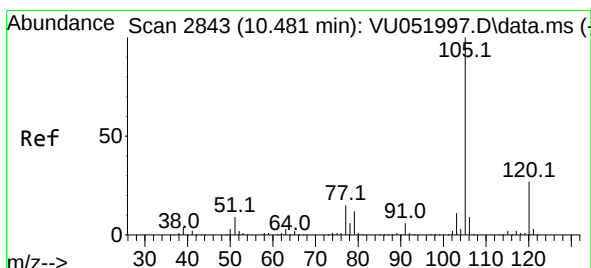
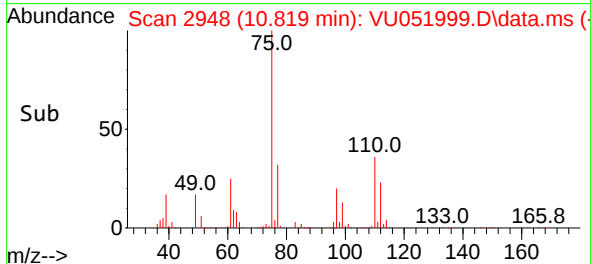
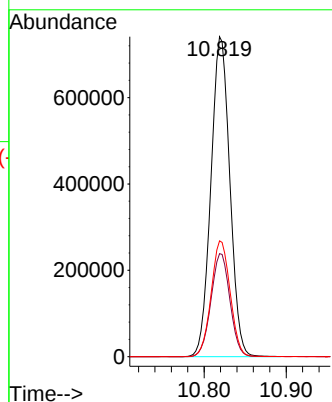
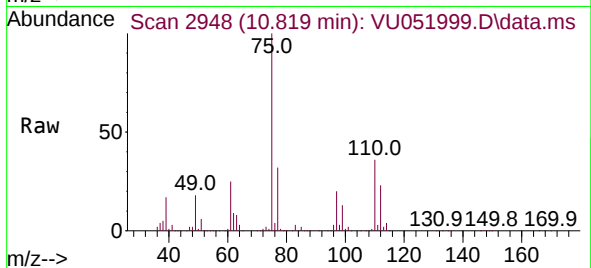
Tgt Ion: 75 Resp: 1190372

Ion Ratio Lower Upper

75 100

77 32.2 26.0 39.0

110 36.3 29.0 43.4



#61

Isopropylbenzene

Concen: 202.116 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. -0.000 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

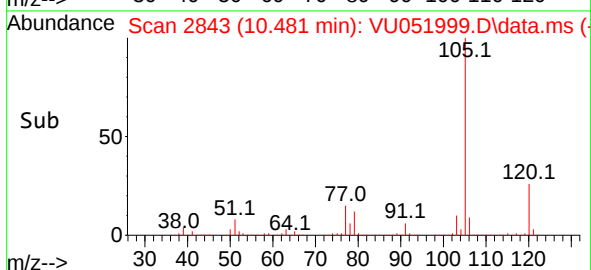
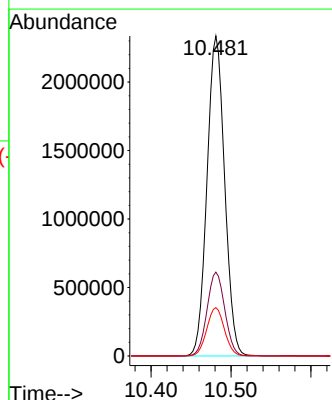
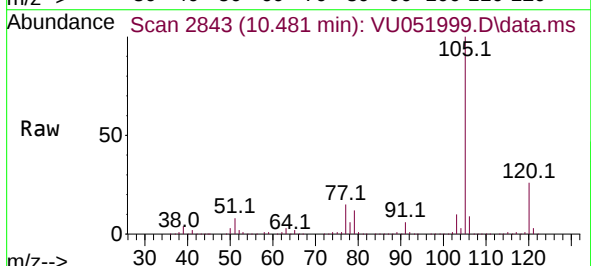
Tgt Ion: 105 Resp: 3586014

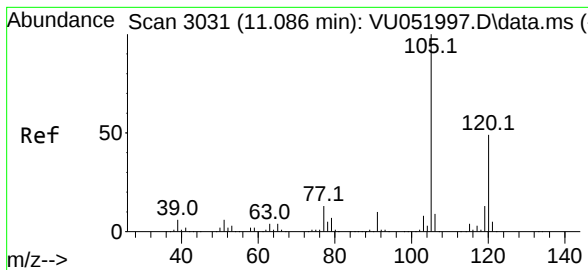
Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

77 15.1 12.4 18.6

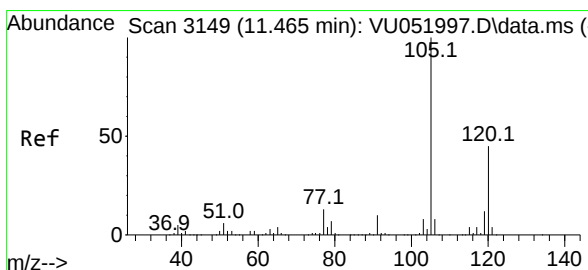
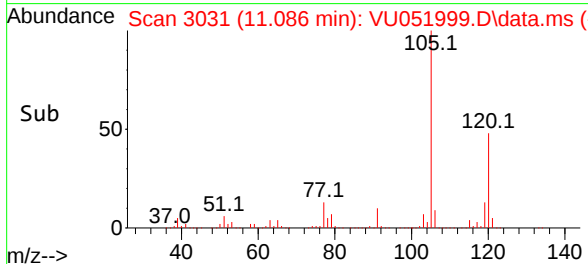
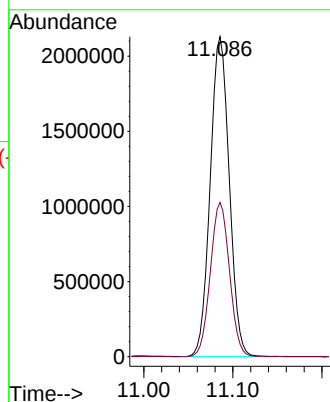
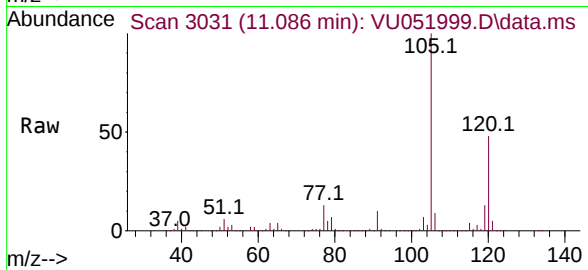




#62
 1,3,5-Trimethylbenzene
 Concen: 211.970 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU051999.D
 Acq: 21 Nov 2022 15:58

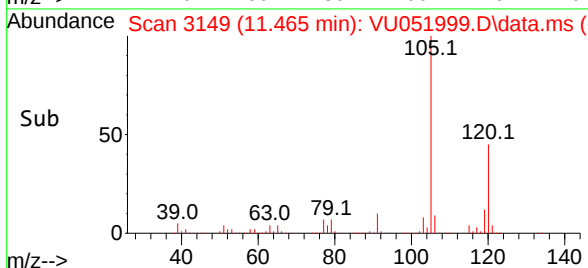
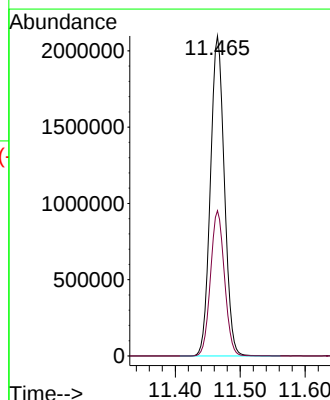
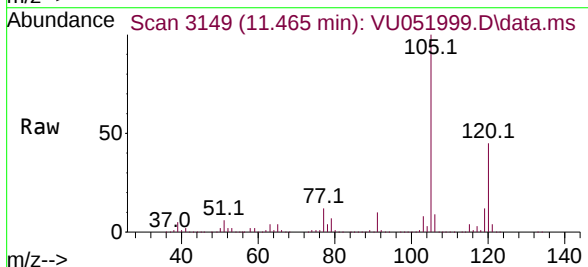
Instrument :
 MSVOA_U
 ClientSampleId :

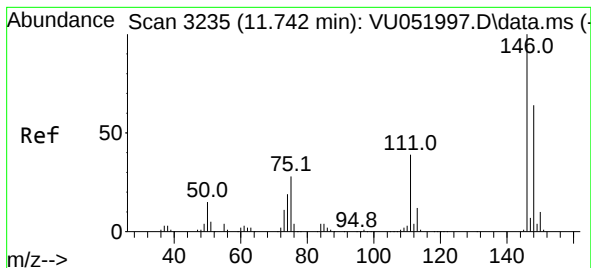
Tgt Ion:105 Resp: 3152643
 Ion Ratio Lower Upper
 105 100
 120 48.5 39.3 58.9



#63
 1,2,4-Trimethylbenzene
 Concen: 214.958 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.000 min
 Lab File: VU051999.D
 Acq: 21 Nov 2022 15:58

Tgt Ion:105 Resp: 3131333
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.1 54.1





#64

1,3-Dichlorobenzene

Concen: 191.754 ug/L

RT: 11.741 min Scan# 3235

Delta R.T. -0.000 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

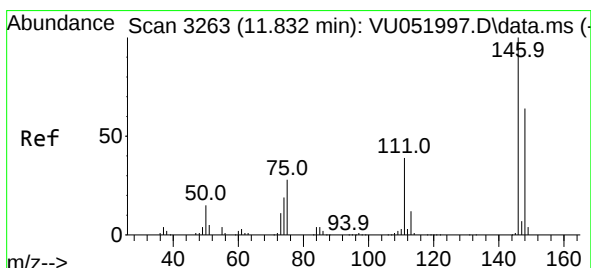
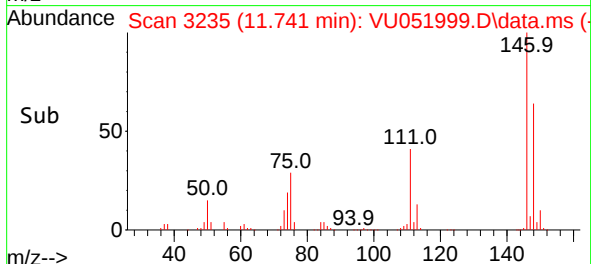
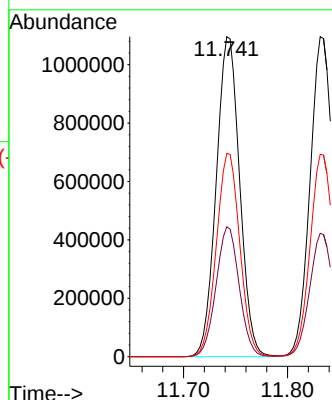
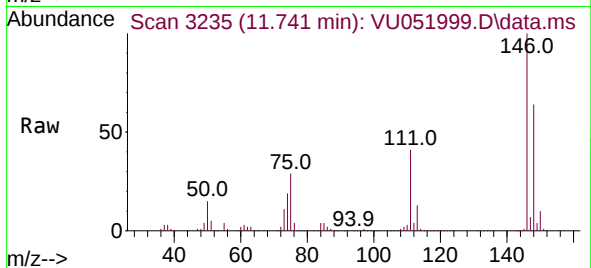
Tgt Ion:146 Resp: 1717962

Ion Ratio Lower Upper

146 100

111 40.6 27.5 51.1

148 63.5 44.9 83.3



#65

1,4-Dichlorobenzene

Concen: 187.886 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. -0.000 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

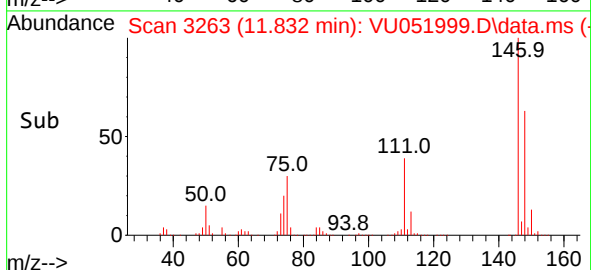
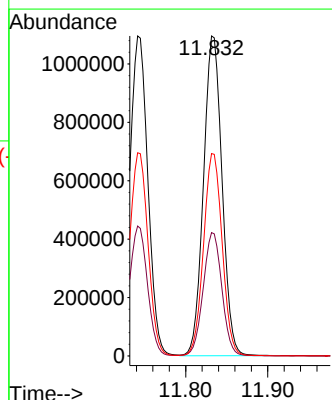
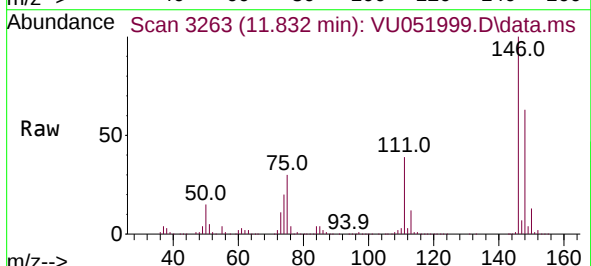
Tgt Ion:146 Resp: 1724635

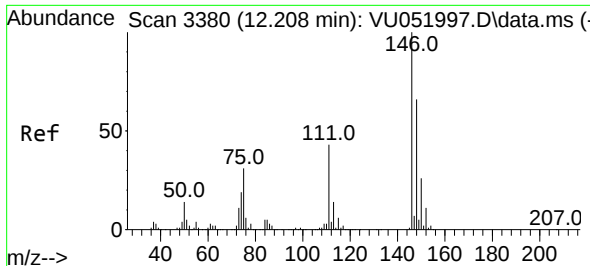
Ion Ratio Lower Upper

146 100

111 38.6 27.6 51.2

148 63.3 44.8 83.2

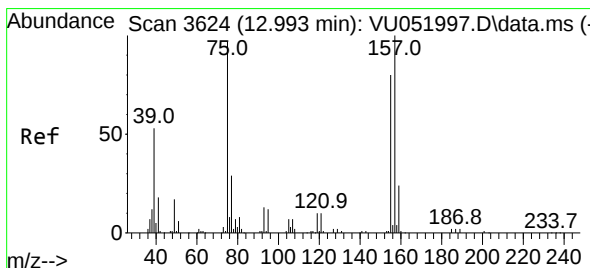
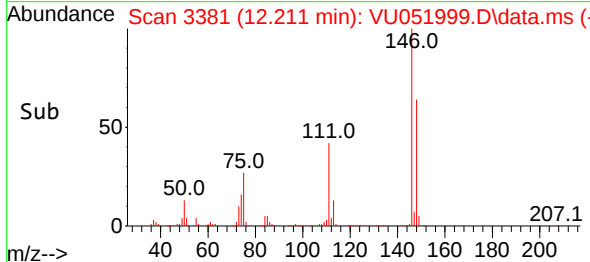
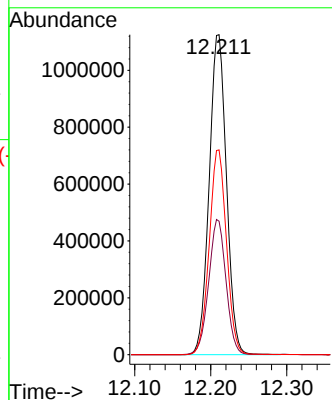
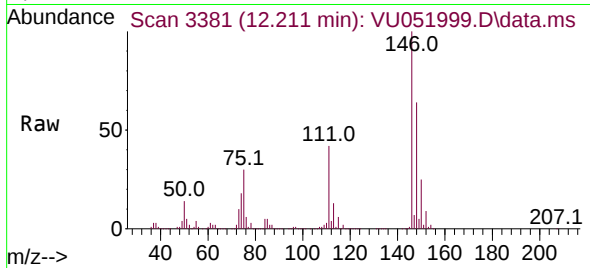




#67
1,2-Dichlorobenzene
Concen: 189.621 ug/L
RT: 12.211 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU051999.D
Acq: 21 Nov 2022 15:58

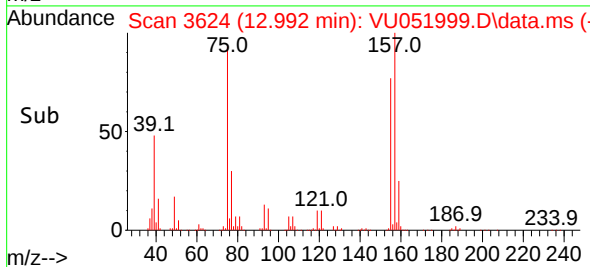
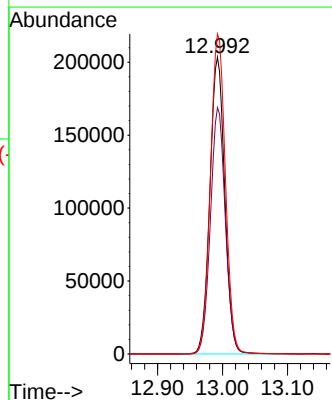
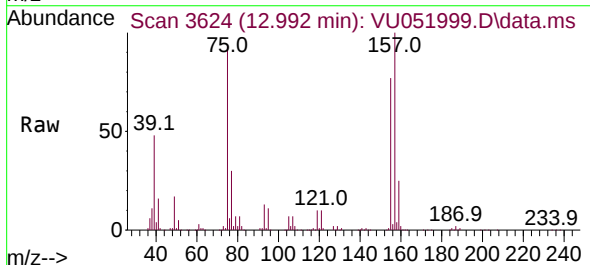
Instrument :
MSVOA_U
ClientSampleId :

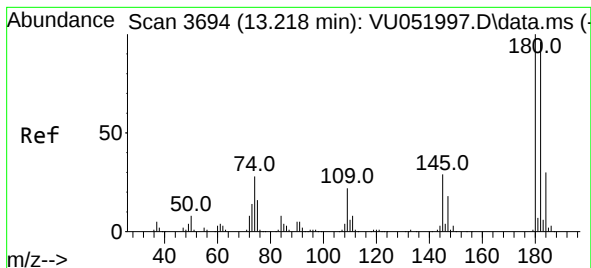
Tgt Ion:146 Resp: 1775598
Ion Ratio Lower Upper
146 100
111 41.7 34.2 51.4
148 64.0 52.6 79.0



#68
1,2-Dibromo-3-chloropropane
Concen: 168.219 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU051999.D
Acq: 21 Nov 2022 15:58

Tgt Ion: 75 Resp: 324484
Ion Ratio Lower Upper
75 100
155 83.0 66.3 99.5
157 107.8 82.8 124.2





#69

1,3,5-Trichlorobenzene

Concen: 202.942 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. -0.000 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 1213898

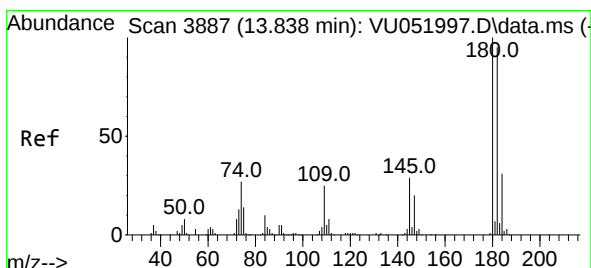
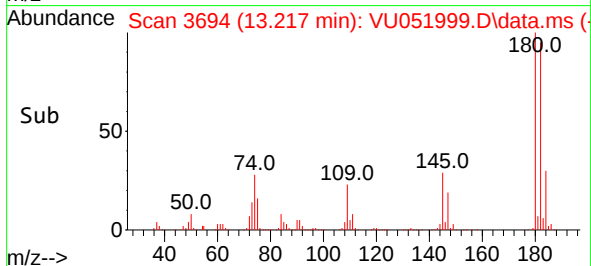
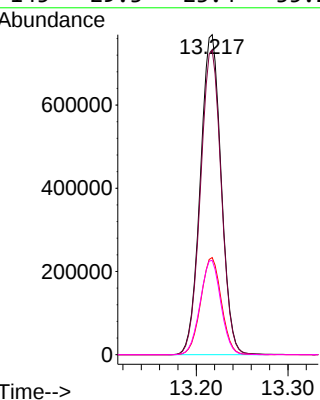
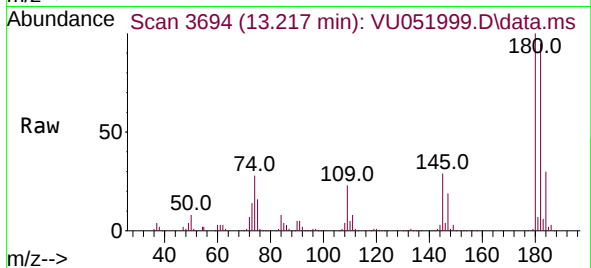
Ion Ratio Lower Upper

180 100

182 95.2 77.2 115.8

184 30.0 24.6 36.8

145 29.3 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 228.890 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.000 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

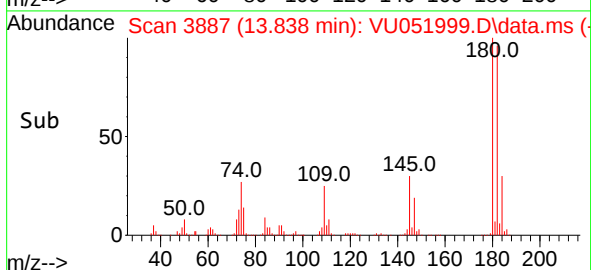
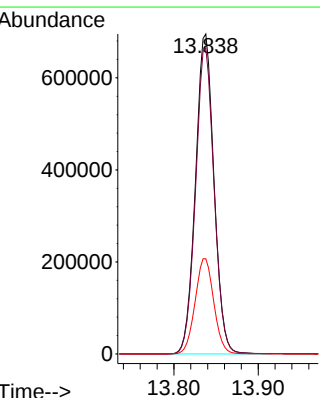
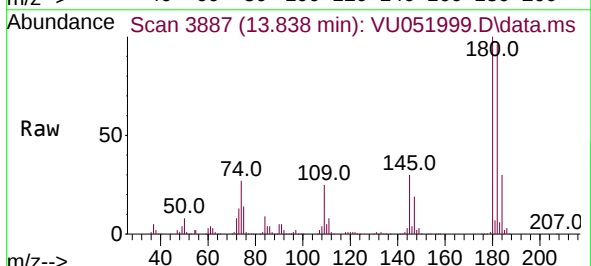
Tgt Ion:180 Resp: 1065061

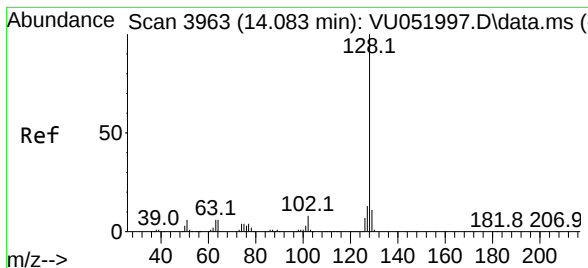
Ion Ratio Lower Upper

180 100

182 95.7 75.4 113.2

145 30.1 23.4 35.0





#71

Naphthalene

Concen: 247.087 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

Instrument :

MSVOA_U

ClientSampleId :

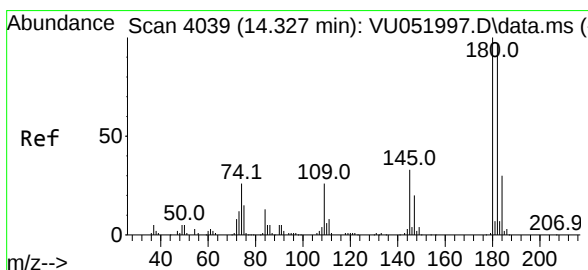
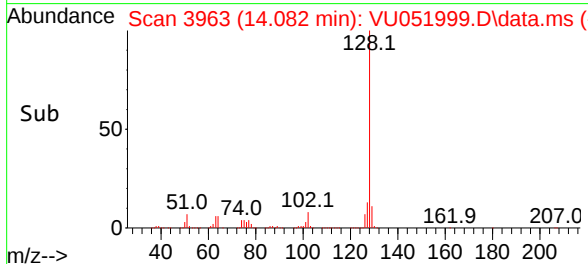
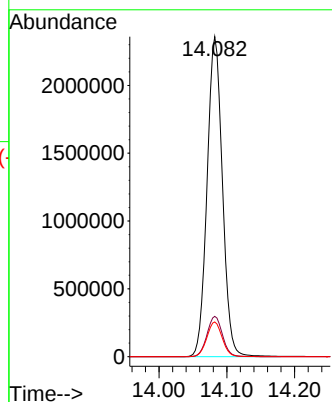
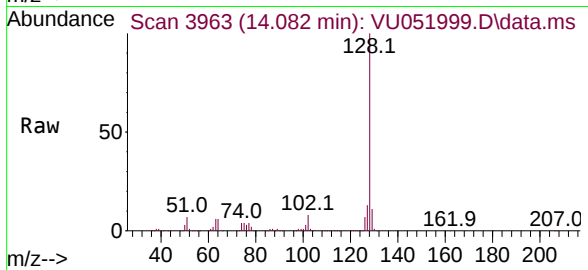
Tgt Ion:128 Resp: 3711061

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 223.775 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. -0.000 min

Lab File: VU051999.D

Acq: 21 Nov 2022 15:58

Tgt Ion:180 Resp: 1112159

Ion Ratio Lower Upper

180 100

182 94.9 76.1 114.1

145 31.9 25.8 38.6

