

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102022\
 Data File : VU051465.D
 Acq On : 20 Oct 2022 11:09
 Operator : JC/MD
 Sample : VSTD10046
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 20 21:39:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 20 21:37:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	517365	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	532002	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	291898	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	393445	77.967	ug/L	0.00
7) Chloroethane-d5	1.890	69	322391	68.724	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	63	673273	88.093	ug/L	0.00
21) 2-Butanone-d5	4.616	46	611259	183.353	ug/L	0.00
24) Chloroform-d	5.060	84	726391	87.264	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	441356	85.816	ug/L	0.00
32) Benzene-d6	5.723	84	1483959	95.979	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	478981	95.416	ug/L	0.00
41) Toluene-d8	7.896	98	1410645	98.459	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	218529	92.548	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	499771	242.237	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	845134	96.666	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	549894	90.584	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	420265	95.980	ug/L	99
3) Chloromethane	1.523	50	538265	103.263	ug/L	97
5) Vinyl chloride	1.604	62	537583	97.536	ug/L	100
6) Bromomethane	1.829	94	231419	54.676	ug/L	100
8) Chloroethane	1.912	64	315479	79.258	ug/L	99
9) Trichlorofluoromethane	2.128	101	607589	83.974	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	368533	92.798	ug/L	99
12) 1,1-Dichloroethene	2.575	96	363039	97.292	ug/L	93
13) Acetone	2.623	43	499068	175.303	ug/L	98
14) Carbon disulfide	2.787	76	1182612	105.351	ug/L	100
15) Methyl Acetate	2.941	43	467280	93.866	ug/L	99
16) Methylene chloride	3.041	84	459778	86.426	ug/L	99
17) trans-1,2-Dichloroethene	3.346	96	380859	96.299	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	1154939	97.743	ug/L	100
19) 1,1-Dichloroethane	3.864	63	727622	96.970	ug/L	100
20) cis-1,2-Dichloroethene	4.661	96	435726	99.629	ug/L	98
22) 2-Butanone	4.697	43	739469	195.760	ug/L	99
23) Bromochloromethane	4.970	128	229276	95.696	ug/L	98
25) Chloroform	5.083	83	749804	92.693	ug/L	99
27) 1,2-Dichloroethane	5.790	62	578859	93.064	ug/L	98
29) Cyclohexane	5.385	56	633216	118.720	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	603014	96.000	ug/L	99
31) Carbon tetrachloride	5.520	117	505930	98.248	ug/L	100
33) Benzene	5.771	78	1738348	105.391	ug/L	100
34) Trichloroethene	6.539	95	410336	97.535	ug/L	98
35) Methylcyclohexane	6.761	83	671147	114.928	ug/L	97
37) 1,2-Dichloropropane	6.787	63	454797	102.285	ug/L	100
38) Bromodichloromethane	7.102	83	580642	98.719	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	679789	109.037	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	1437265	225.416	ug/L	98
42) Toluene	7.967	91	1898791	108.197	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	664844	106.172	ug/L	98

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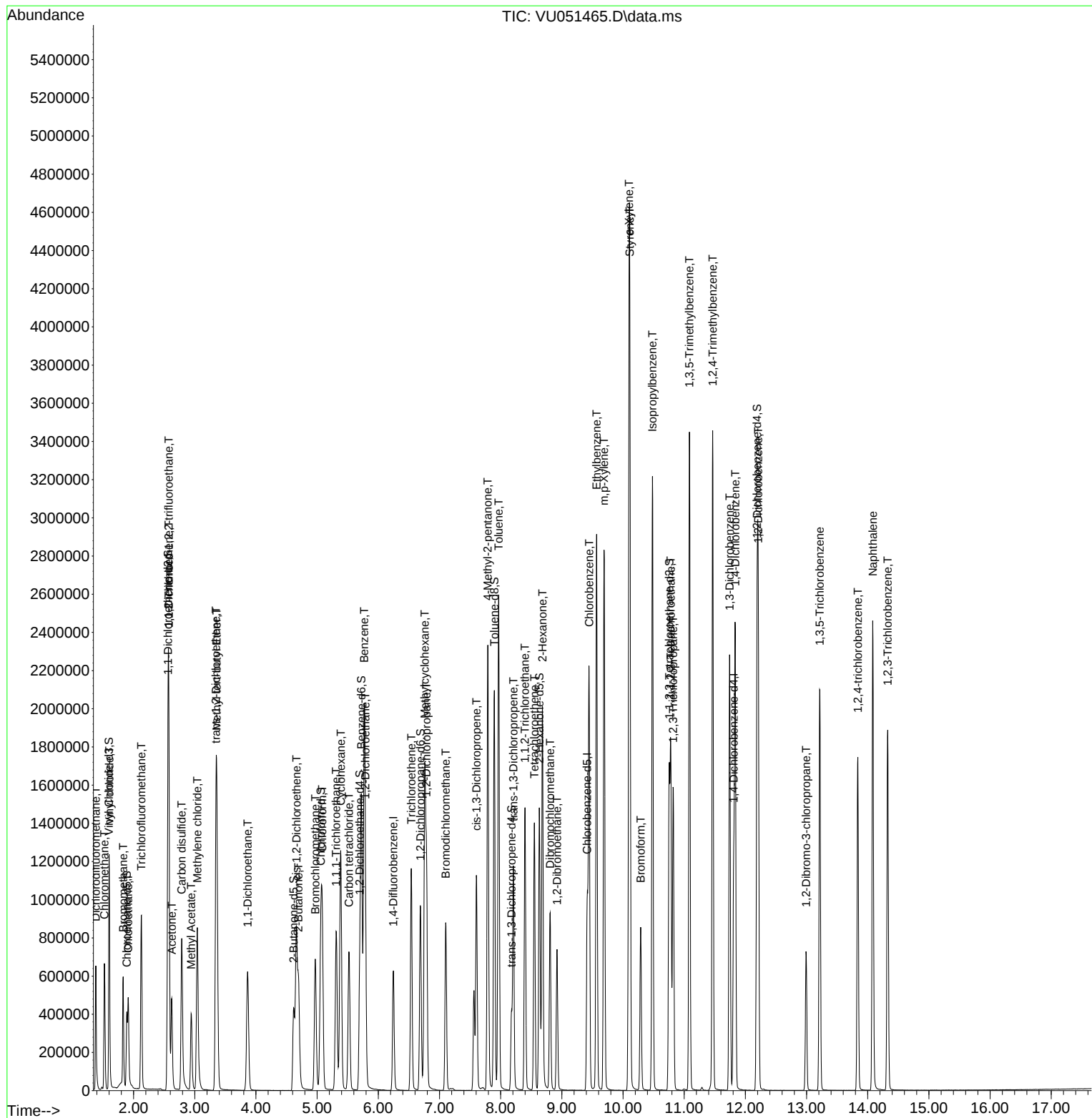
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	462872	97.465	ug/L	99
46) Tetrachloroethene	8.552	164	311773	97.113	ug/L	98
48) 2-Hexanone	8.684	43	1188880	207.221	ug/L	98
49) Dibromochloromethane	8.809	129	482884	97.213	ug/L	98
50) 1,2-Dibromoethane	8.922	107	485210	95.048	ug/L	99
51) Chlorobenzene	9.446	112	1183478	100.305	ug/L	99
52) Ethylbenzene	9.568	91	2024852	110.263	ug/L	100
53) m,p-Xylene	9.690	106	800241	114.372	ug/L	99
54) o-Xylene	10.099	106	795223	114.000	ug/L	99
55) Styrene	10.111	104	1422222	117.830	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	900235	106.215	ug/L	99
59) Bromoform	10.288	173	384894	90.071	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	695494	90.461	ug/L	99
61) Isopropylbenzene	10.481	105	2023165	106.624	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	1812122	117.369	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	1812340	115.541	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	942431	95.686	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	951166	97.043	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	962510	97.268	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	192121	87.957	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	647051	98.310	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	536281	100.533	ug/L	99
71) Naphthalene	14.082	128	1930272	102.579	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	578086	96.931	ug/L	98

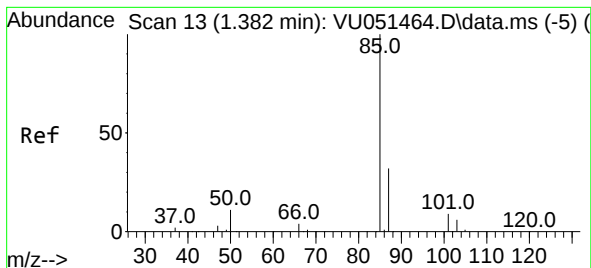
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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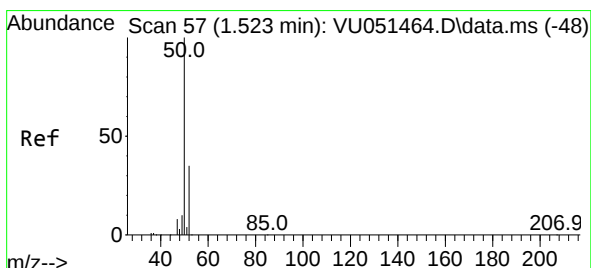
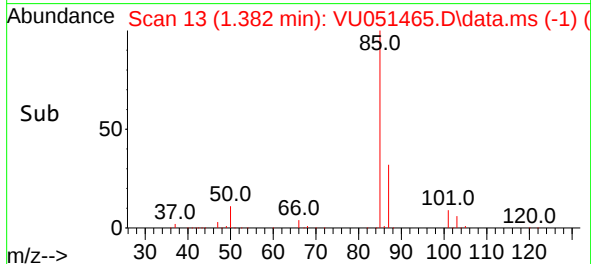
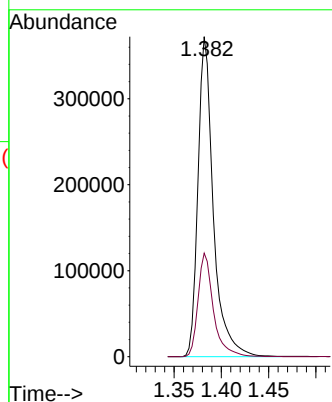
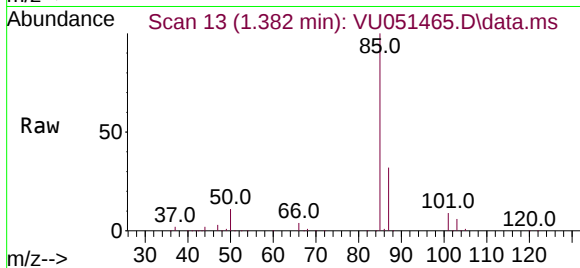




#2
Dichlorodifluoromethane
Concen: 95.980 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

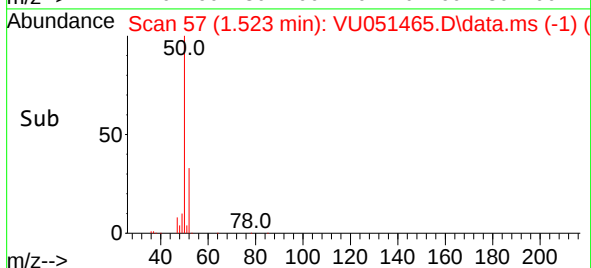
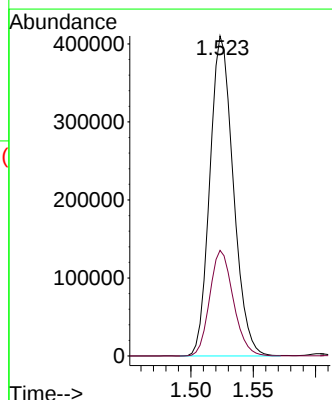
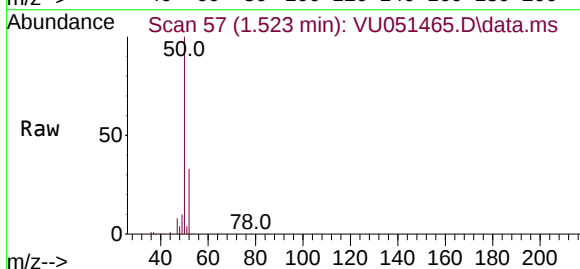
Instrument :
MSVOA_U
ClientSampleId :

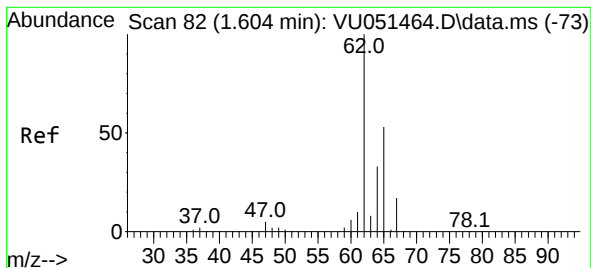
Tgt Ion: 85 Resp: 420265
Ion Ratio Lower Upper
85 100
87 32.4 25.7 38.5



#3
Chloromethane
Concen: 103.263 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

Tgt Ion: 50 Resp: 538265
Ion Ratio Lower Upper
50 100
52 33.0 24.1 44.8





#5

Vinyl chloride

Concen: 97.536 ug/L

RT: 1.604 min Scan# 82

Delta R.T. 0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

Instrument :

MSVOA_U

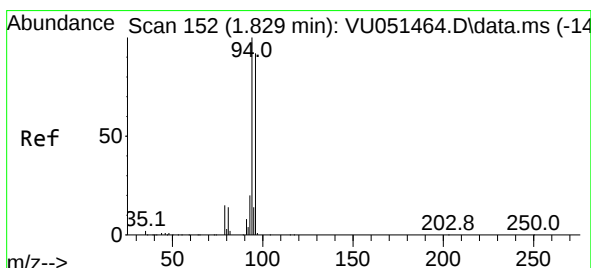
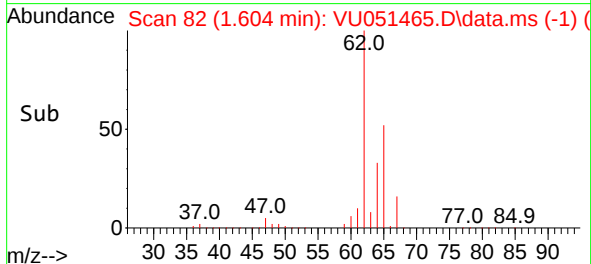
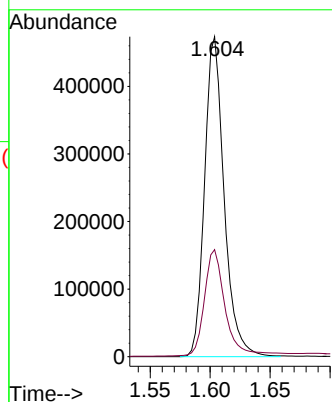
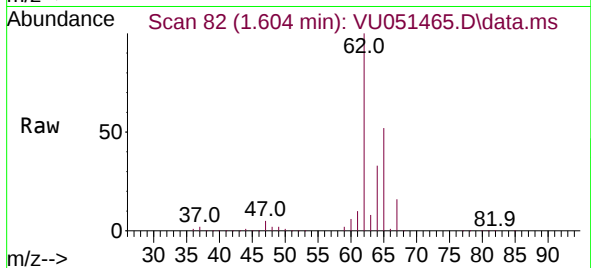
ClientSampleId :

Tgt Ion: 62 Resp: 537583

Ion Ratio Lower Upper

62 100

64 33.4 23.2 43.2



#6

Bromomethane

Concen: 54.676 ug/L

RT: 1.829 min Scan# 152

Delta R.T. 0.000 min

Lab File: VU051465.D

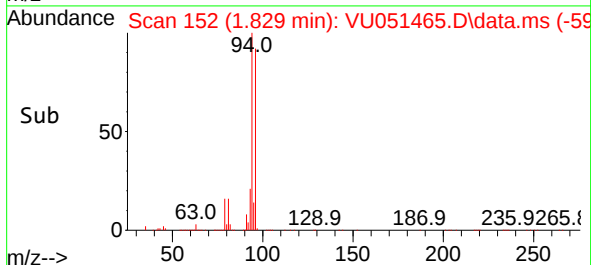
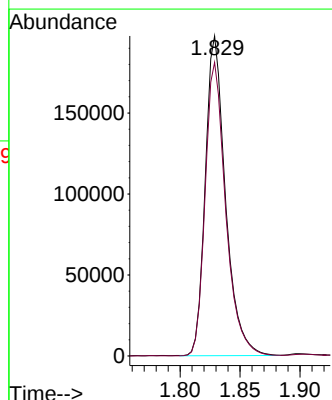
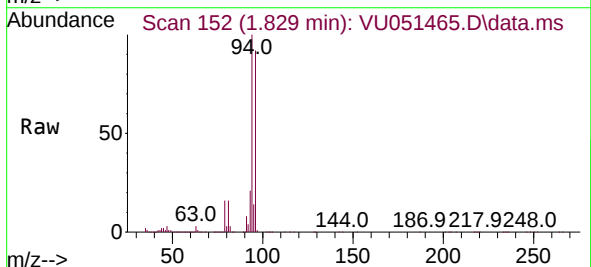
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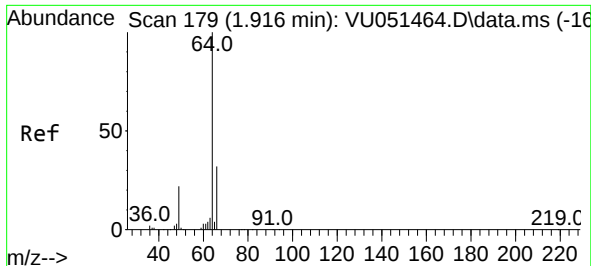
Tgt Ion: 94 Resp: 231419

Ion Ratio Lower Upper

94 100

96 91.8 64.5 119.9

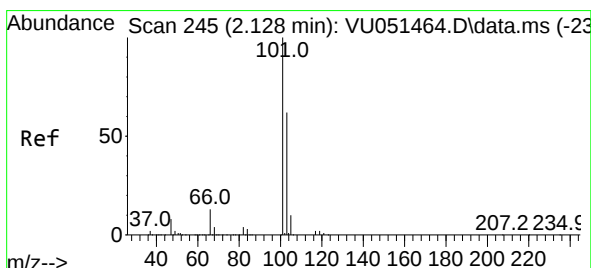
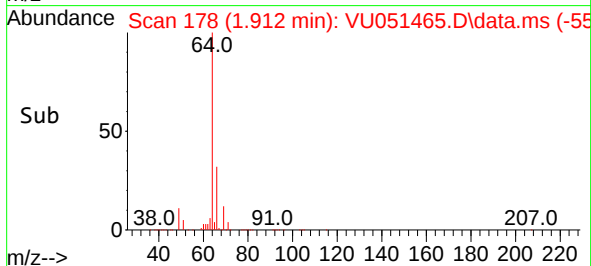
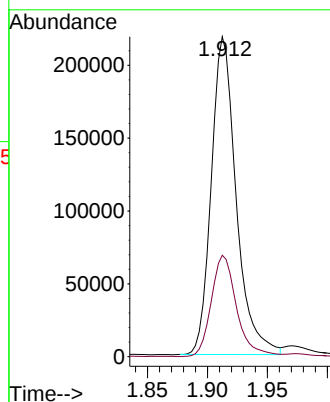
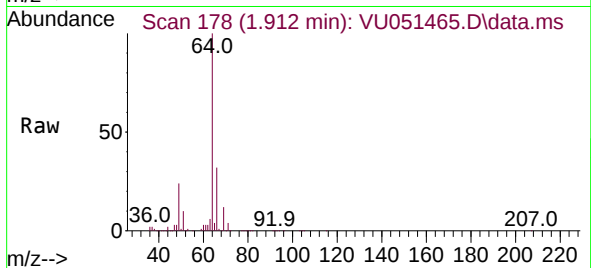




#8
Chloroethane
Concen: 79.258 ug/L
RT: 1.912 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

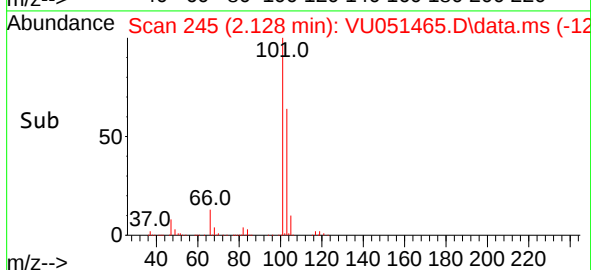
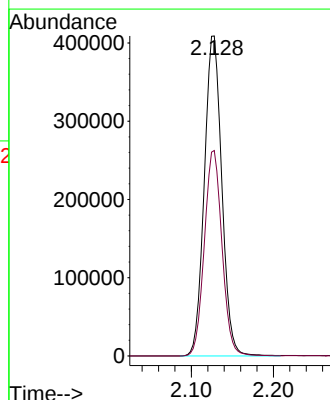
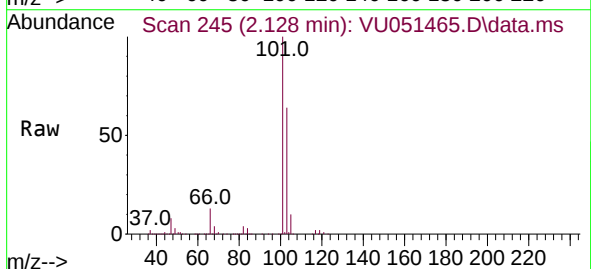
Instrument :
MSVOA_U
ClientSampleId :

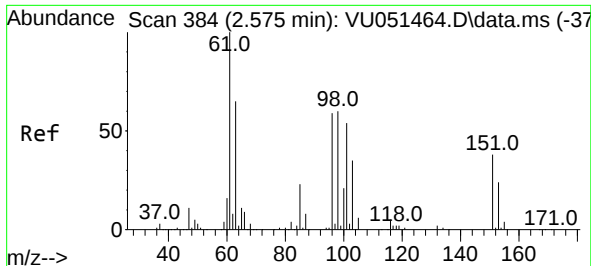
Tgt Ion: 64 Resp: 315479
Ion Ratio Lower Upper
64 100
66 31.7 21.9 40.7



#9
Trichlorofluoromethane
Concen: 83.974 ug/L
RT: 2.128 min Scan# 245
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

Tgt Ion:101 Resp: 607589
Ion Ratio Lower Upper
101 100
103 64.6 51.0 76.4





#10

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

Concen: 92.798 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

Instrument :

MSVOA_U

ClientSampleId :

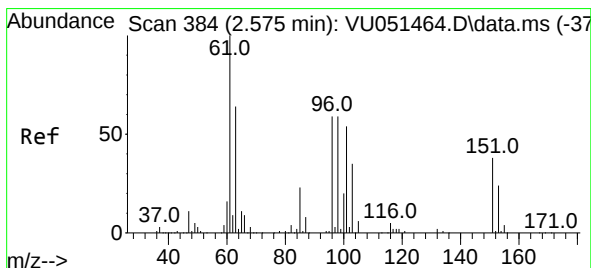
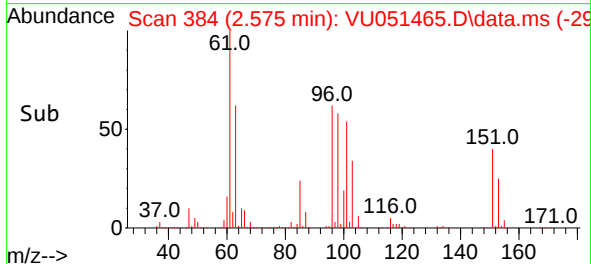
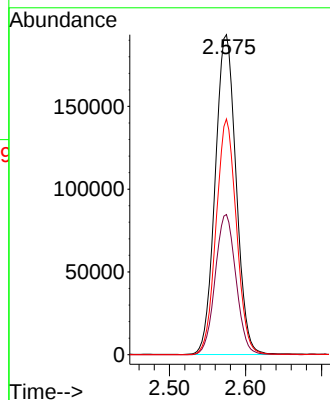
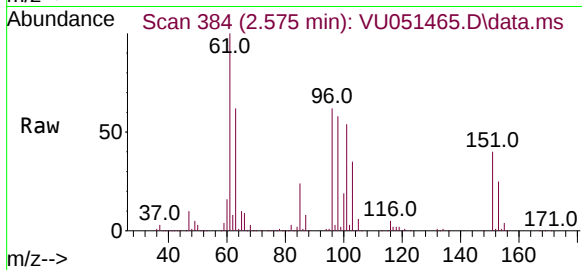
Tgt Ion:101 Resp: 368533

Ion Ratio Lower Upper

101 100

85 43.7 35.2 52.8

151 71.8 57.8 86.8



#12

1,1-Dichloroethene

Concen: 97.292 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

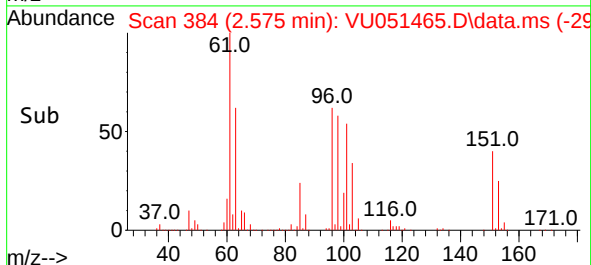
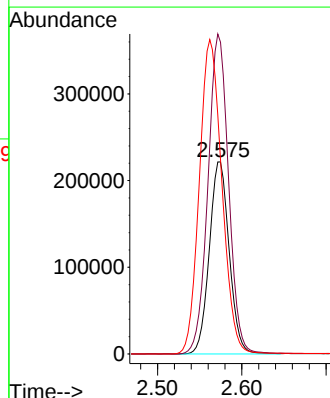
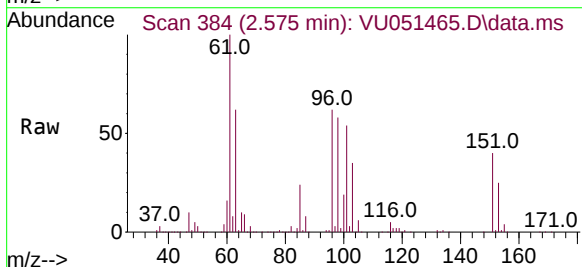
Tgt Ion: 96 Resp: 363039

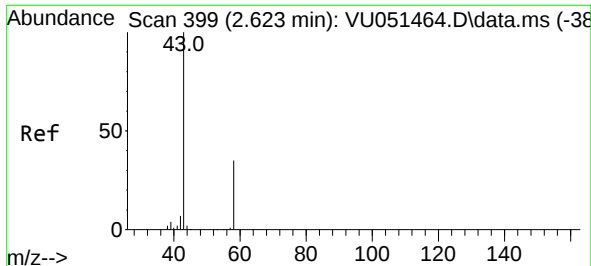
Ion Ratio Lower Upper

96 100

61 162.4 119.0 221.0

63 101.2 78.5 145.7





#13

Acetone

Concen: 175.303 ug/L

RT: 2.623 min Scan# 399

Delta R.T. 0.000 min

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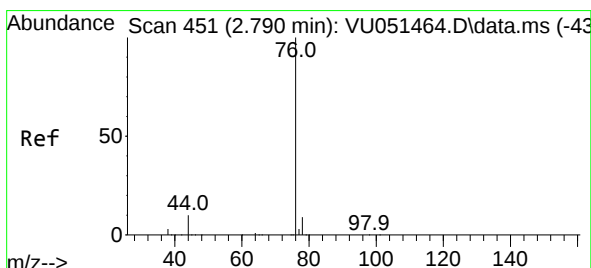
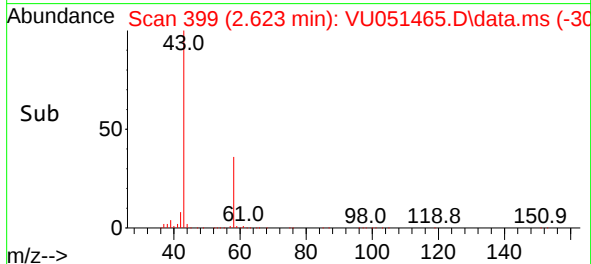
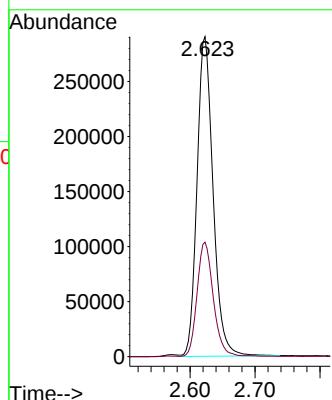
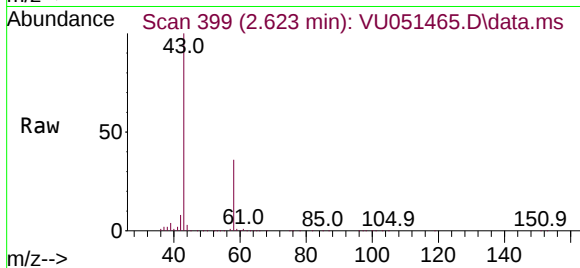
ClientSampleId :

Tgt Ion: 43 Resp: 499068

Ion Ratio Lower Upper

43 100

58 36.2 0.0 70.2



#14

Carbon disulfide

Concen: 105.351 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU051465.D

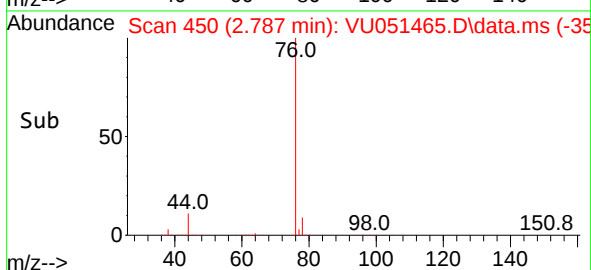
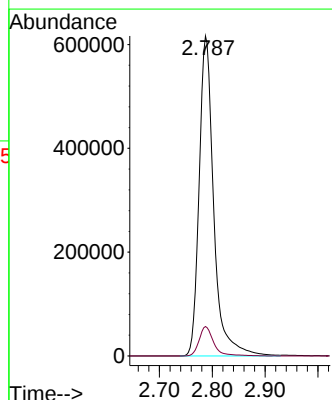
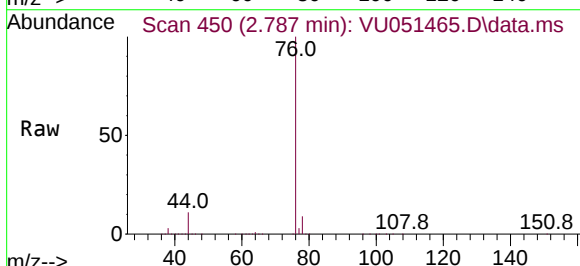
Acq: 20 Oct 2022 11:09

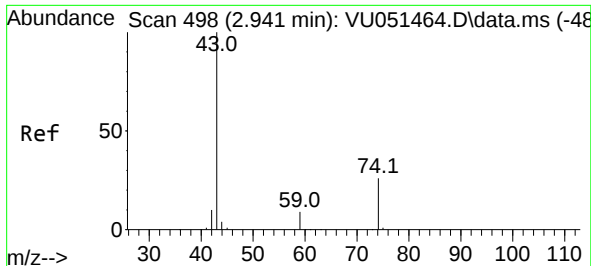
Tgt Ion: 76 Resp: 1182612

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

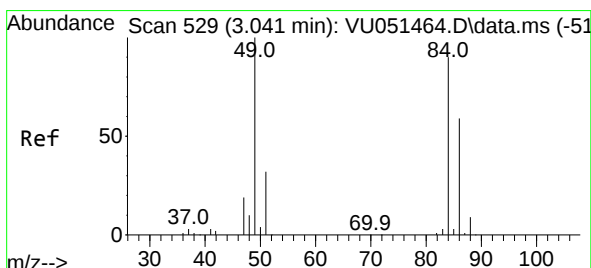
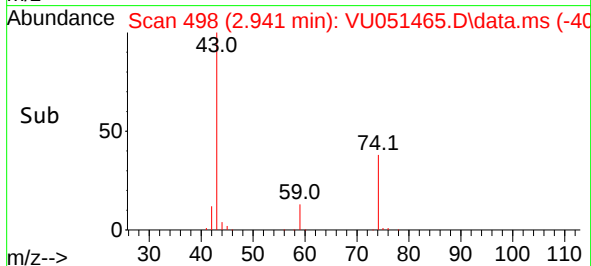
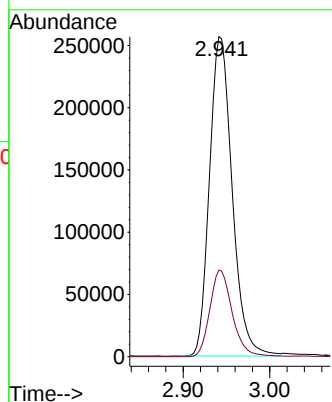
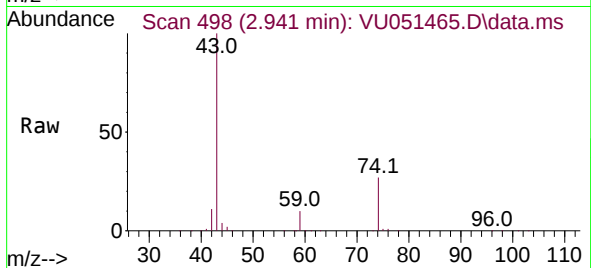




#15
Methyl Acetate
Concen: 93.866 ug/L
RT: 2.941 min Scan# 498
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

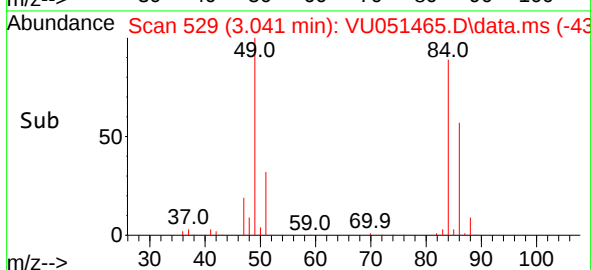
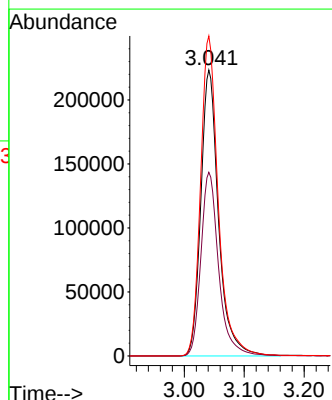
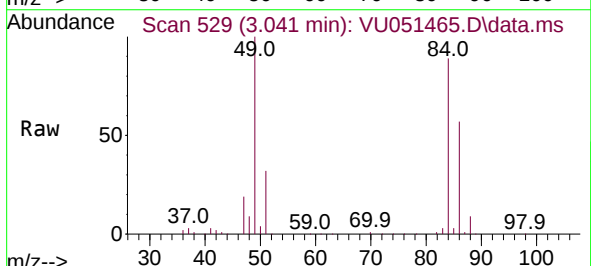
Instrument :
MSVOA_U
ClientSampleId :

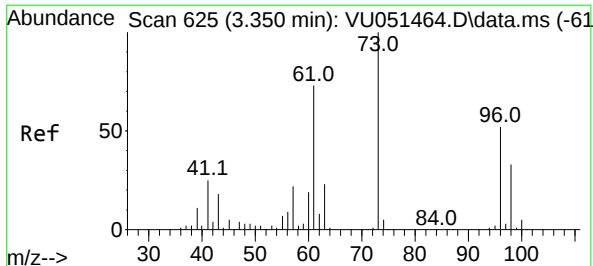
Tgt Ion: 43 Resp: 467280
Ion Ratio Lower Upper
43 100
74 26.7 21.1 31.7



#16
Methylene chloride
Concen: 86.426 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

Tgt Ion: 84 Resp: 459778
Ion Ratio Lower Upper
84 100
86 64.2 45.8 85.2
49 111.9 78.1 145.1





#17

trans-1,2-Dichloroethene

Concen: 96.299 ug/L

RT: 3.346 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

Instrument :

MSVOA_U

ClientSampleId :

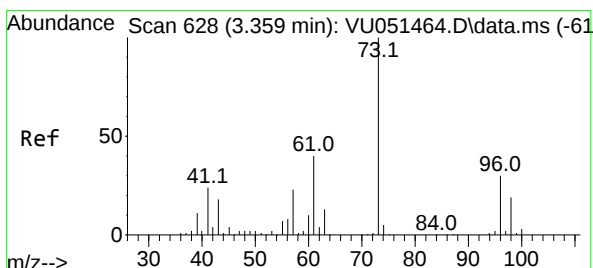
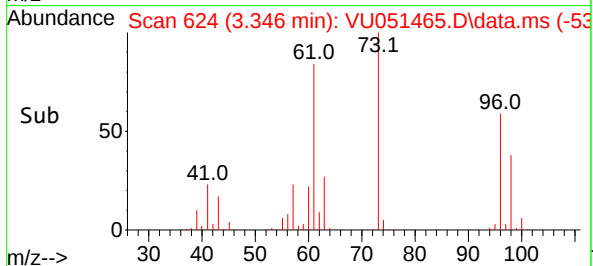
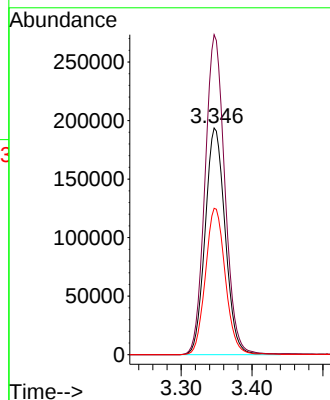
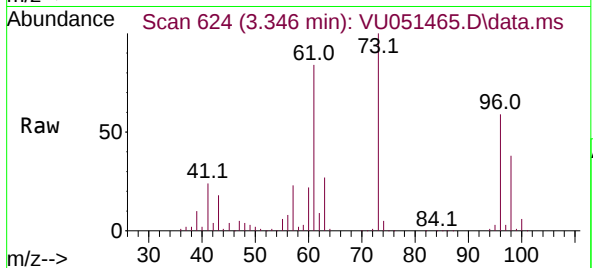
Tgt Ion: 96 Resp: 380859

Ion Ratio Lower Upper

96 100

61 141.1 98.1 182.1

98 64.6 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 97.743 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

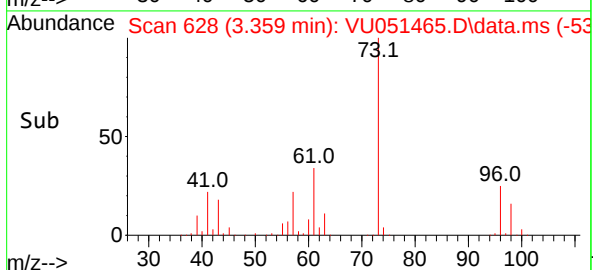
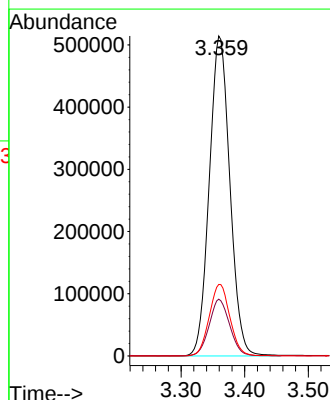
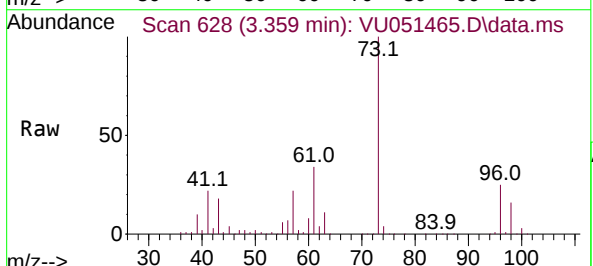
Tgt Ion: 73 Resp: 1154939

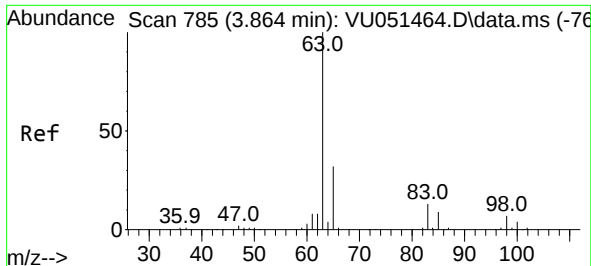
Ion Ratio Lower Upper

73 100

43 17.4 13.9 20.9

57 22.4 17.7 26.5





#19

1,1-Dichloroethane

Concen: 96.970 ug/L

RT: 3.864 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

Instrument :

MSVOA_U

ClientSampleId :

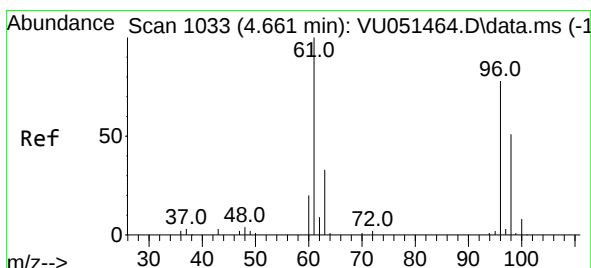
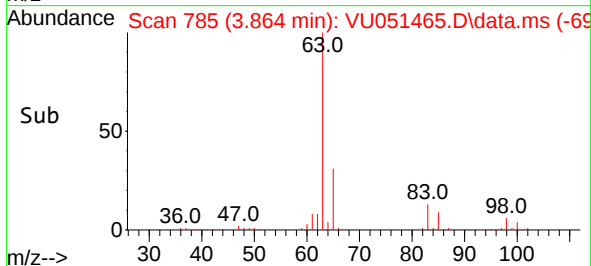
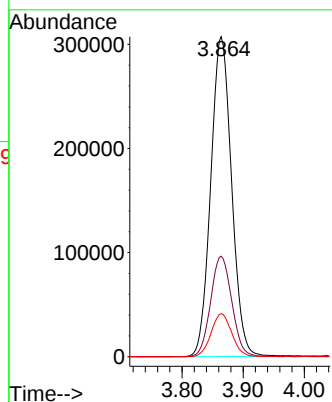
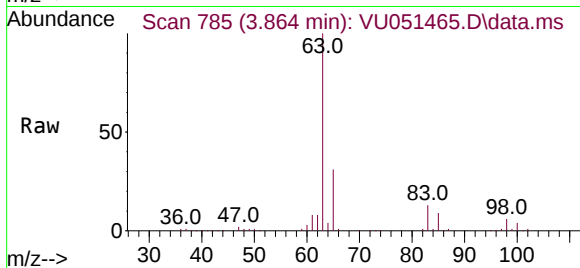
Tgt Ion: 63 Resp: 727622

Ion Ratio Lower Upper

63 100

65 31.4 22.1 41.1

83 13.4 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 99.629 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

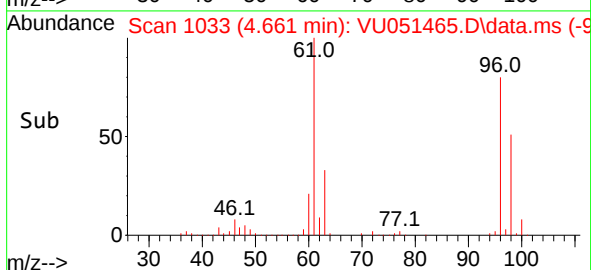
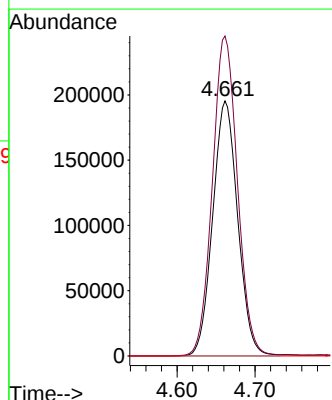
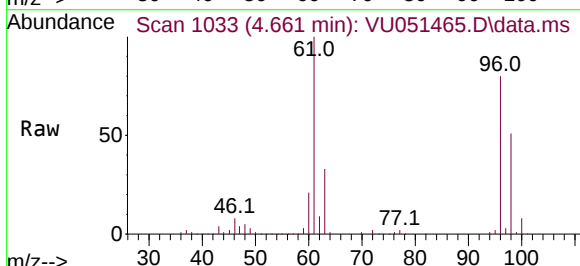
Tgt Ion: 96 Resp: 435726

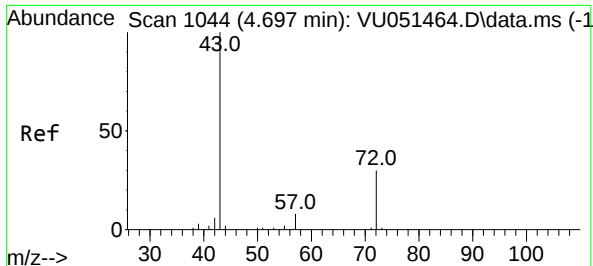
Ion Ratio Lower Upper

96 100

61 125.4 89.7 166.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 195.760 ug/L

RT: 4.697 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

Instrument :

MSVOA_U

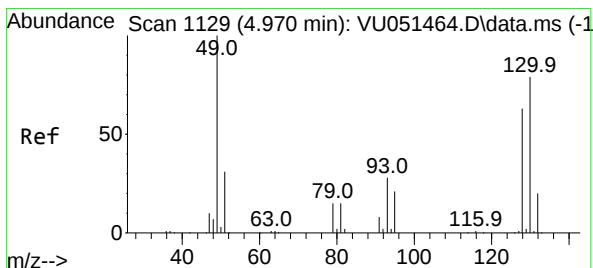
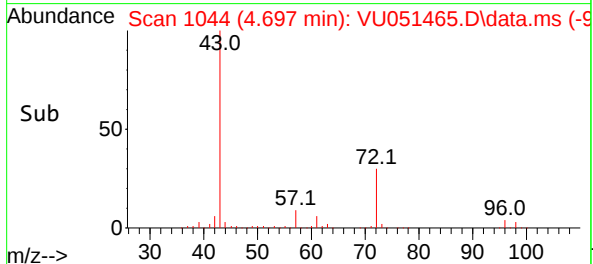
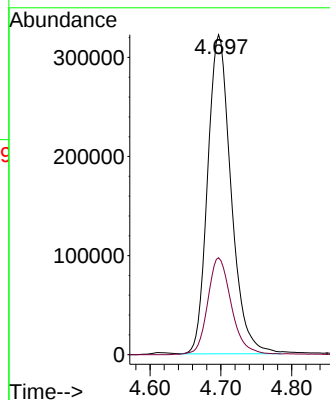
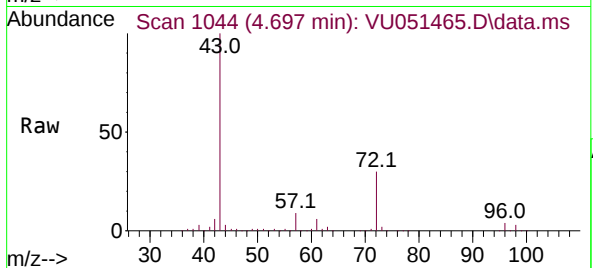
ClientSampleId :

Tgt Ion: 43 Resp: 739469

Ion Ratio Lower Upper

43 100

72 30.8 15.2 45.6



#23

Bromochloromethane

Concen: 95.696 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

Tgt Ion:128 Resp: 229276

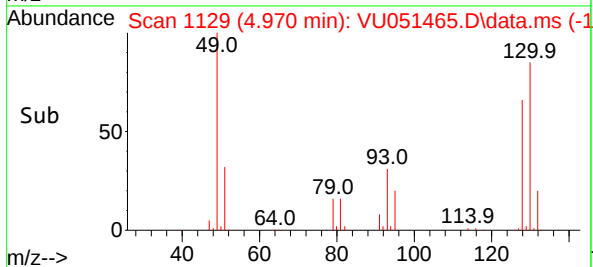
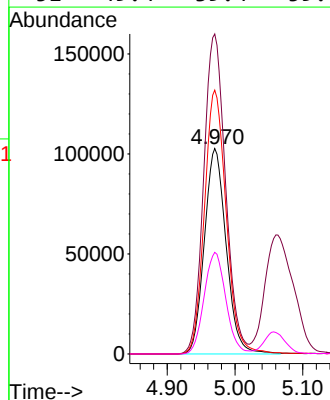
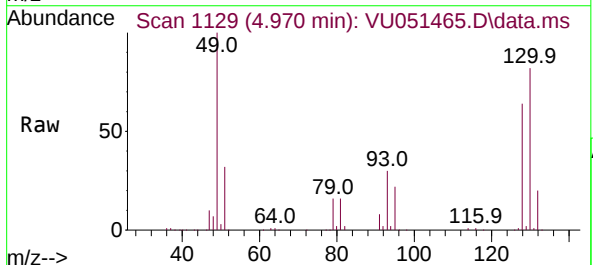
Ion Ratio Lower Upper

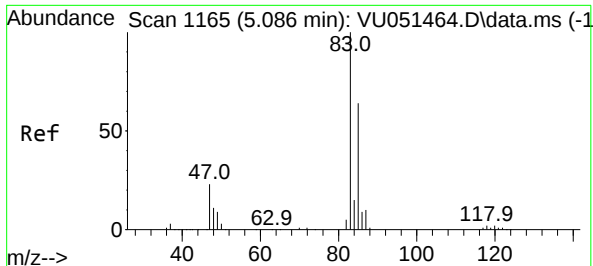
128 100

49 155.8 111.9 207.9

130 128.4 88.2 163.8

51 49.4 39.4 59.0





#25

Chloroform

Concen: 92.693 ug/L

RT: 5.083 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

Instrument :

MSVOA_U

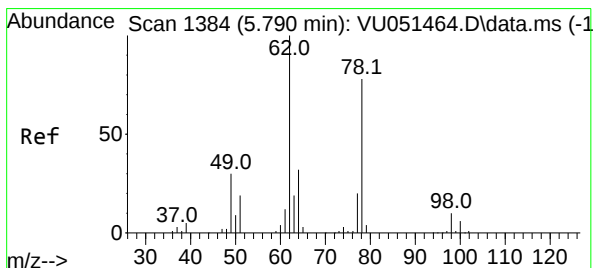
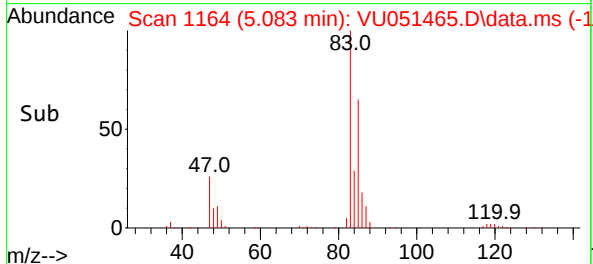
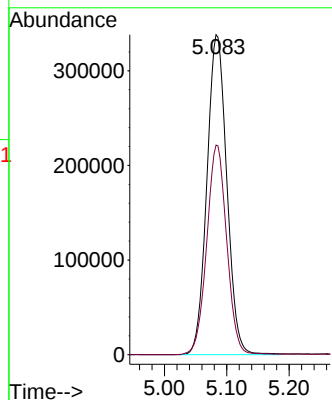
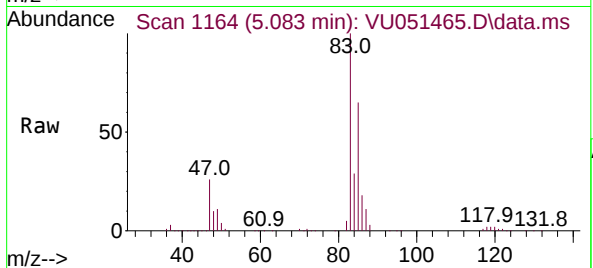
ClientSampleId :

Tgt Ion: 83 Resp: 749804

Ion Ratio Lower Upper

83 100

85 65.5 45.1 83.9



#27

1,2-Dichloroethane

Concen: 93.064 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU051465.D

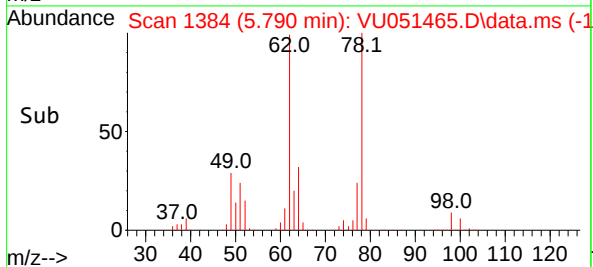
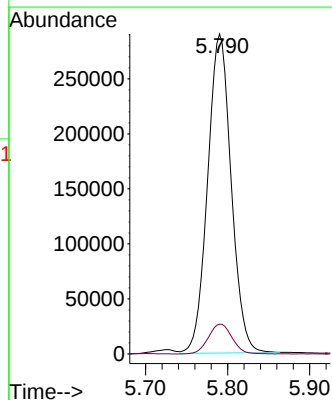
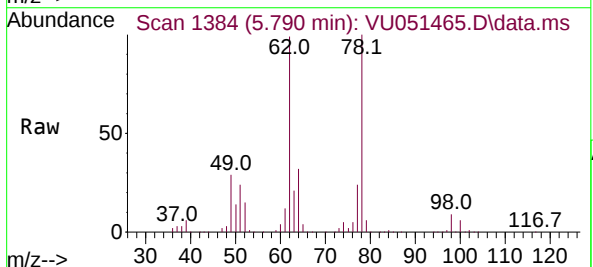
Acq: 20 Oct 2022 11:09

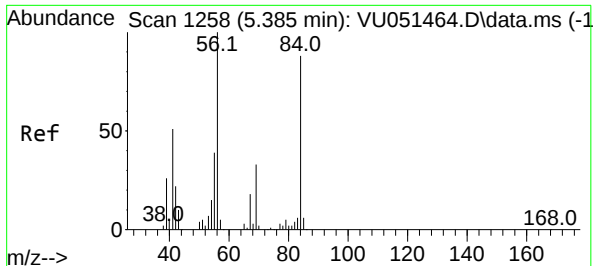
Tgt Ion: 62 Resp: 578859

Ion Ratio Lower Upper

62 100

98 9.3 8.0 12.0





#29

Cyclohexane

Concen: 118.720 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

Instrument :

MSVOA_U

ClientSampleId :

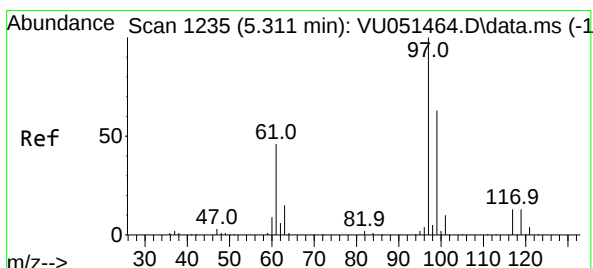
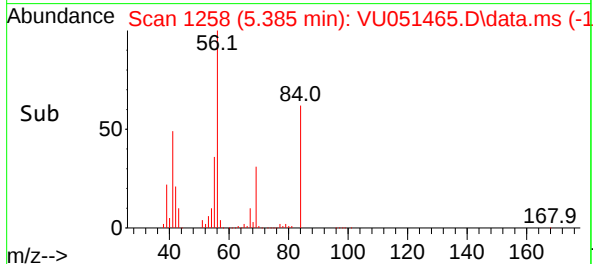
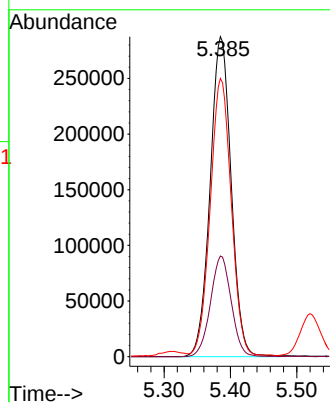
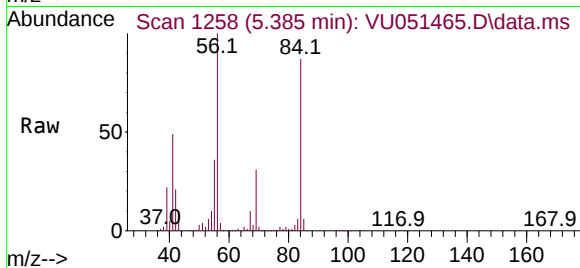
Tgt Ion: 56 Resp: 633216

Ion Ratio Lower Upper

56 100

69 31.0 25.5 38.3

84 86.1 69.8 104.6



#30

1,1,1-Trichloroethane

Concen: 96.000 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

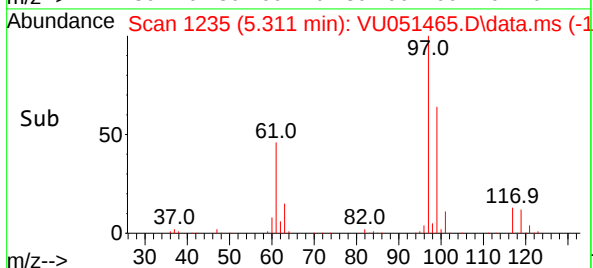
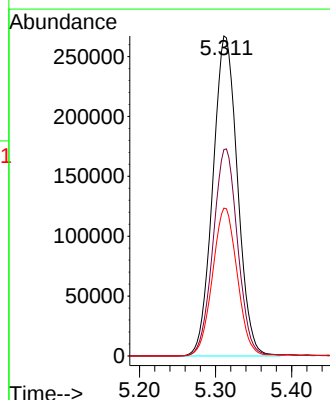
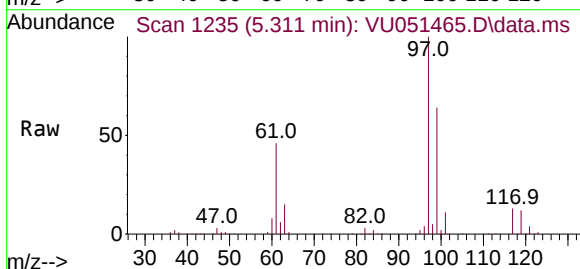
Tgt Ion: 97 Resp: 603014

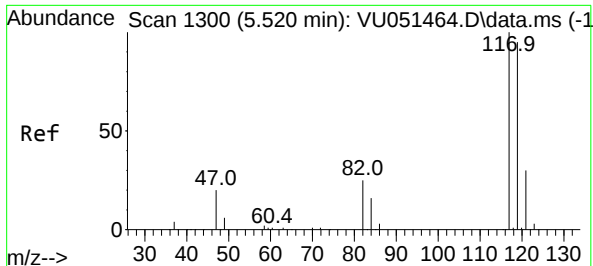
Ion Ratio Lower Upper

97 100

99 64.6 50.7 76.1

61 46.2 36.7 55.1

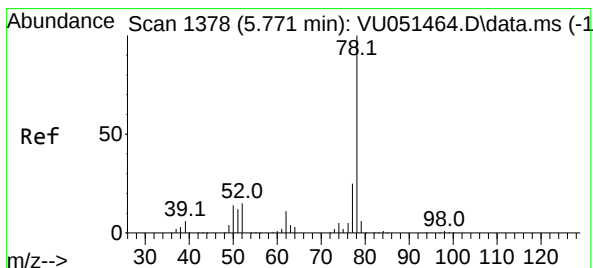
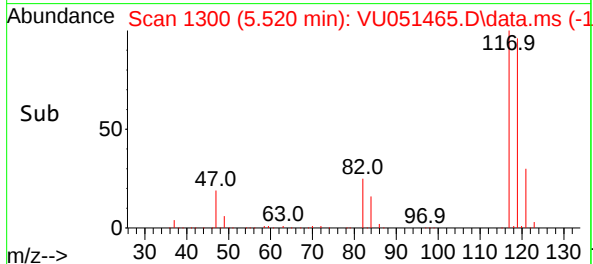
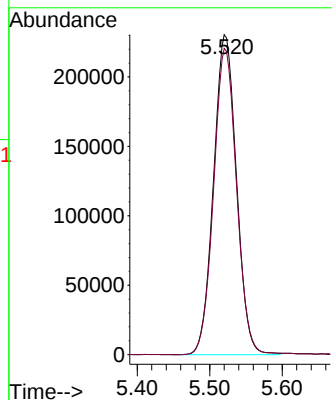
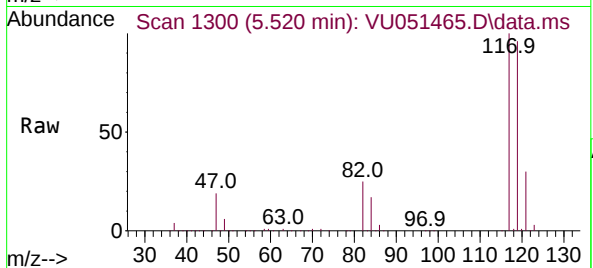




#31
Carbon tetrachloride
Concen: 98.248 ug/L
RT: 5.520 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

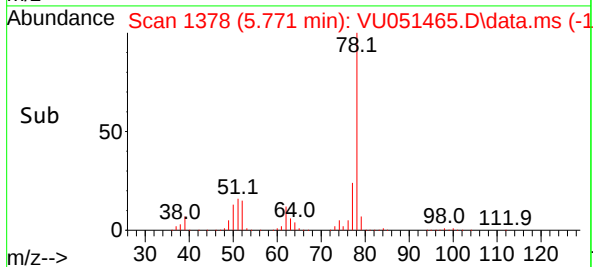
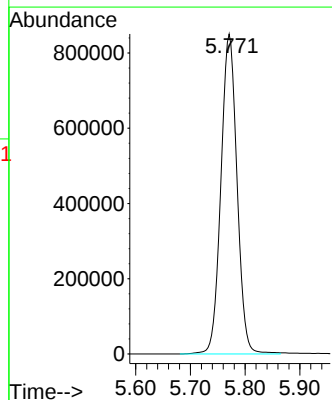
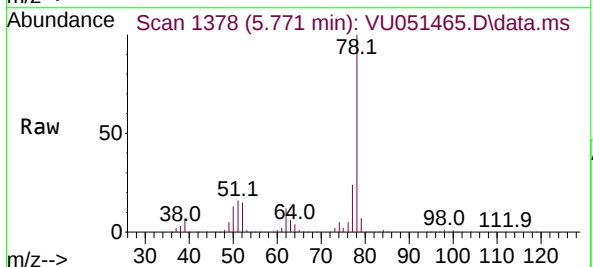
Instrument :
MSVOA_U
ClientSampleId :

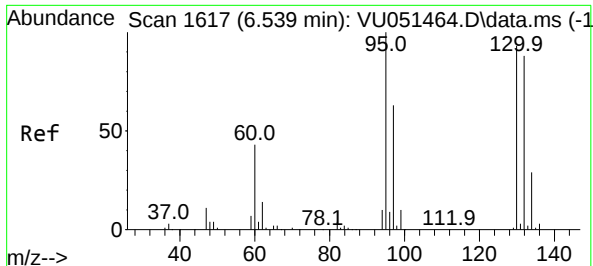
Tgt Ion:117 Resp: 505930
Ion Ratio Lower Upper
117 100
119 95.8 77.0 115.6



#33
Benzene
Concen: 105.391 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

Tgt Ion: 78 Resp: 1738348

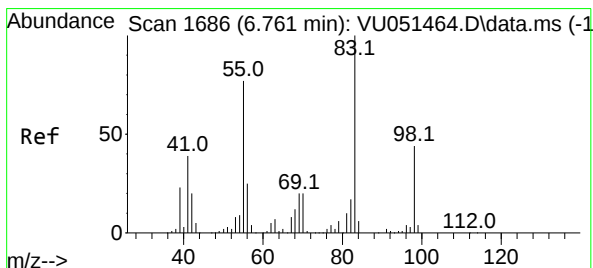
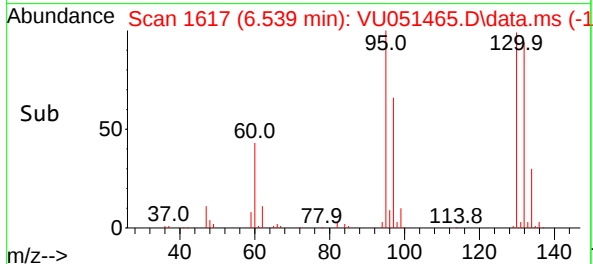
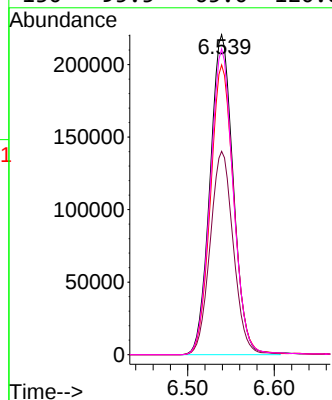
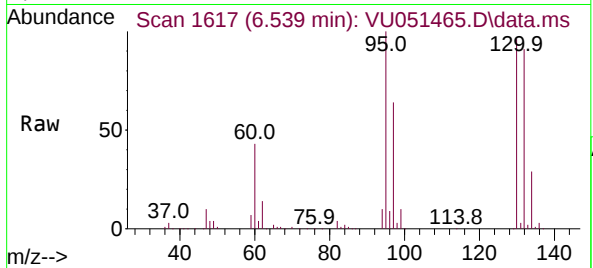




#34
Trichloroethene
Concen: 97.535 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

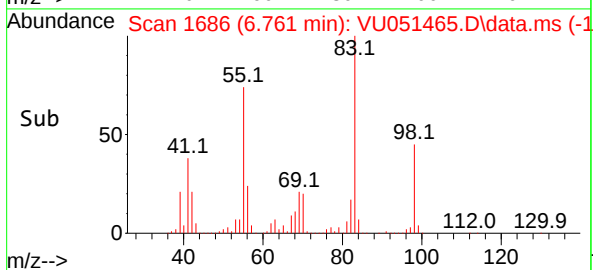
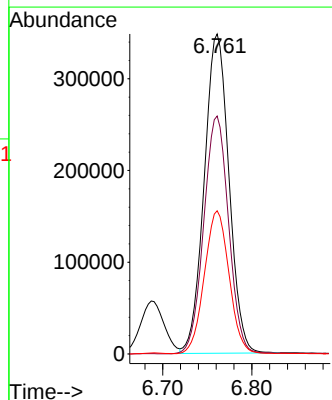
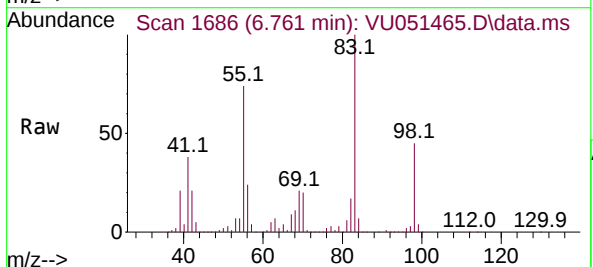
Instrument :
MSVOA_U
ClientSampleId :

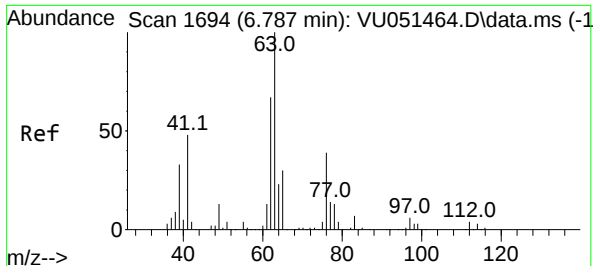
Tgt Ion: 95 Resp: 410336
Ion Ratio Lower Upper
95 100
97 63.6 43.8 81.4
132 90.5 61.9 114.9
130 95.5 65.0 120.8



#35
Methylcyclohexane
Concen: 114.928 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

Tgt Ion: 83 Resp: 671147
Ion Ratio Lower Upper
83 100
55 74.7 62.6 93.8
98 44.7 36.2 54.4





#37

1,2-Dichloropropane

Concen: 102.285 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

Instrument :

MSVOA_U

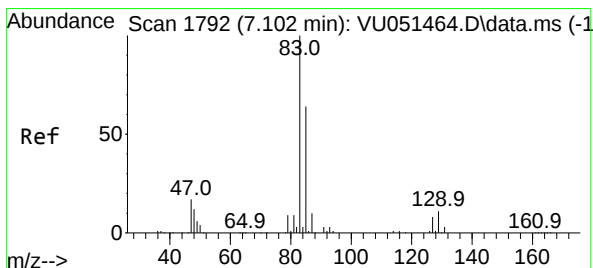
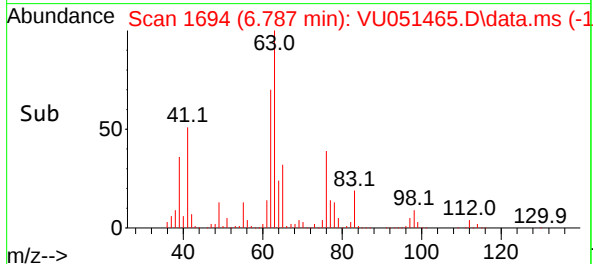
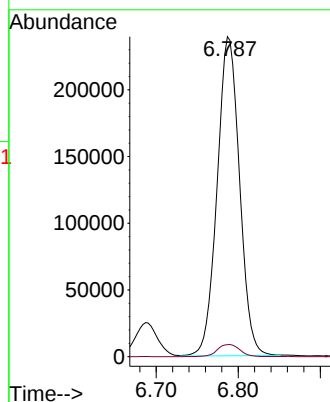
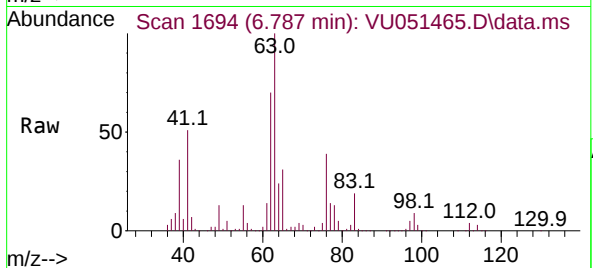
ClientSampleId :

Tgt Ion: 63 Resp: 454797

Ion Ratio Lower Upper

63 100

112 3.9 3.2 4.8



#38

Bromodichloromethane

Concen: 98.719 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

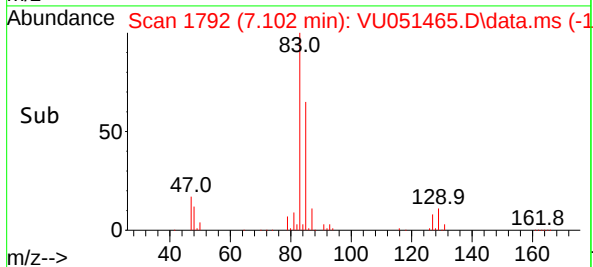
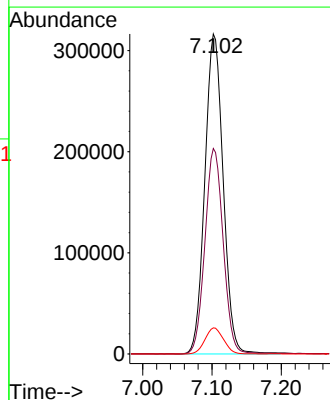
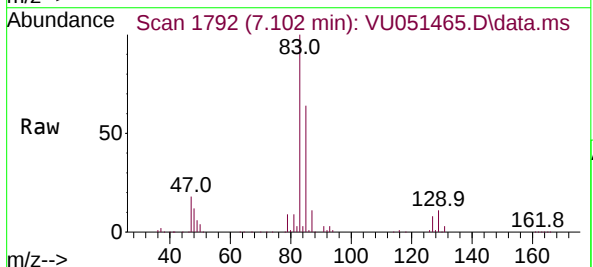
Tgt Ion: 83 Resp: 580642

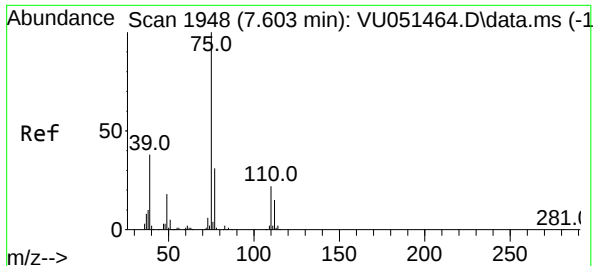
Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.5

127 8.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 109.037 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

Instrument :

MSVOA_U

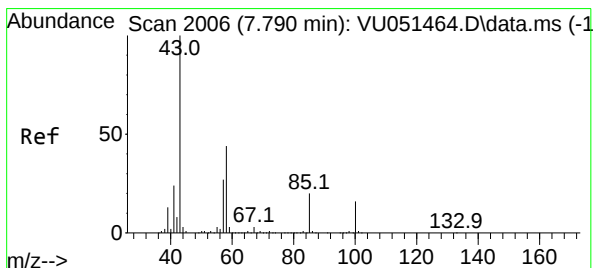
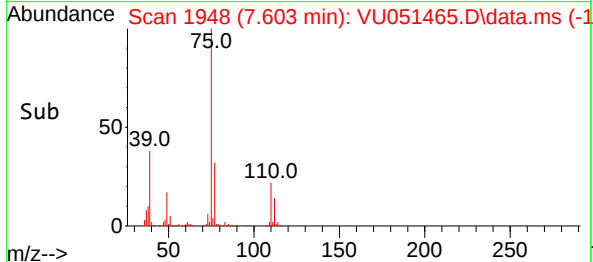
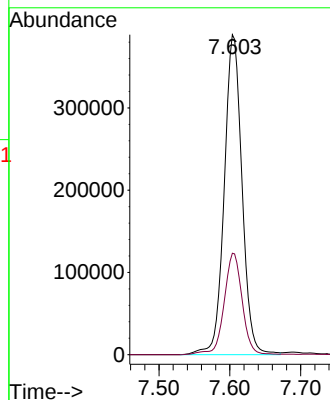
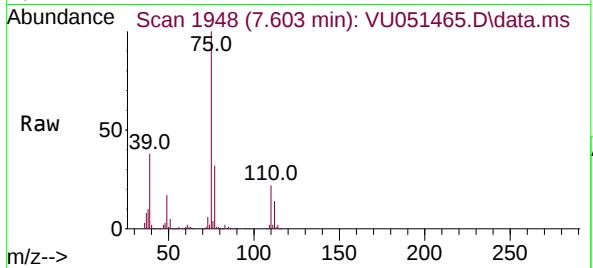
ClientSampleId :

Tgt Ion: 75 Resp: 679789

Ion Ratio Lower Upper

75 100

77 31.7 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 225.416 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

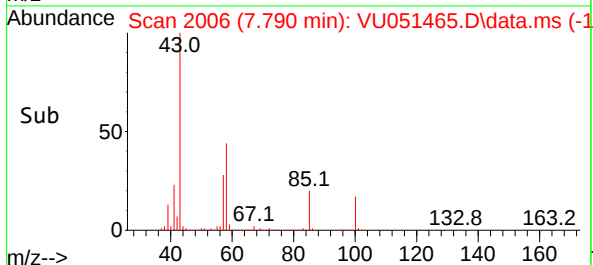
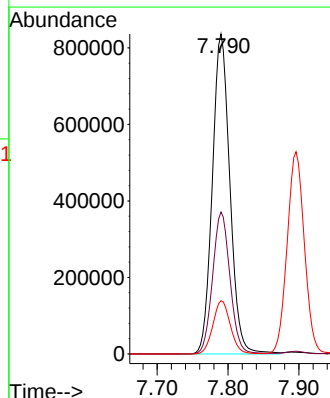
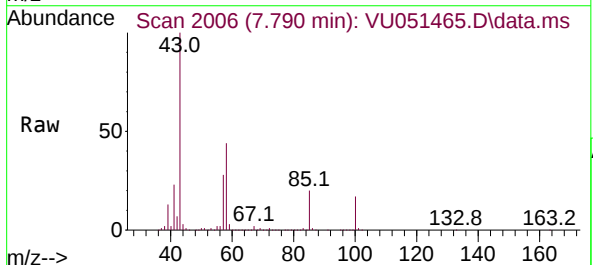
Tgt Ion: 43 Resp: 1437265

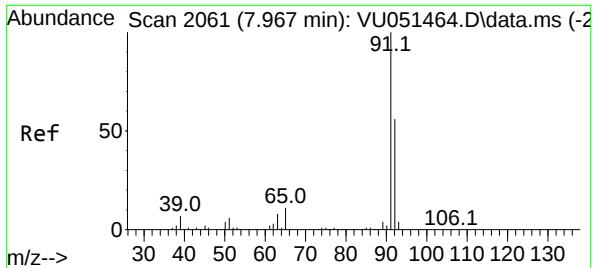
Ion Ratio Lower Upper

43 100

58 44.2 34.4 51.6

100 16.6 12.9 19.3

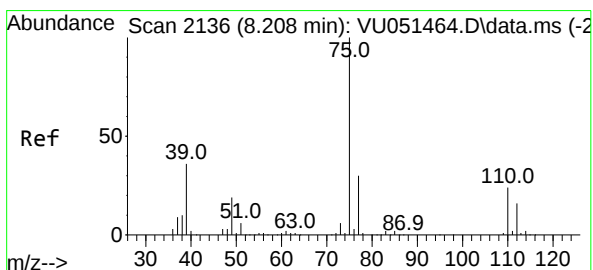
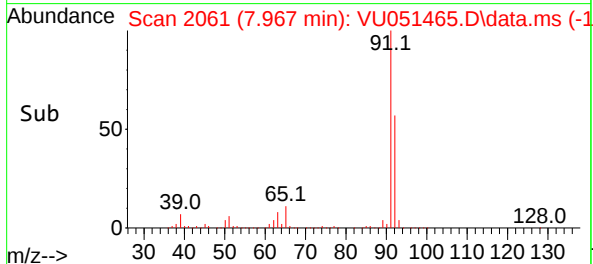
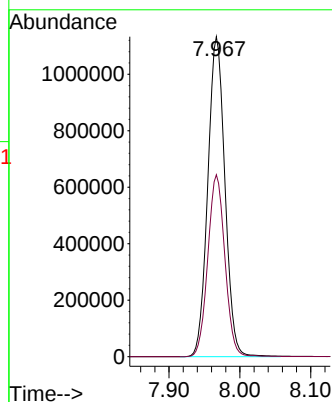
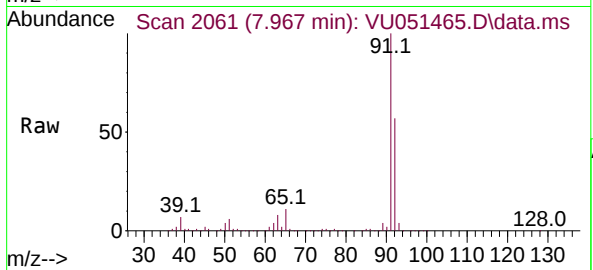




#42
Toluene
Concen: 108.197 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

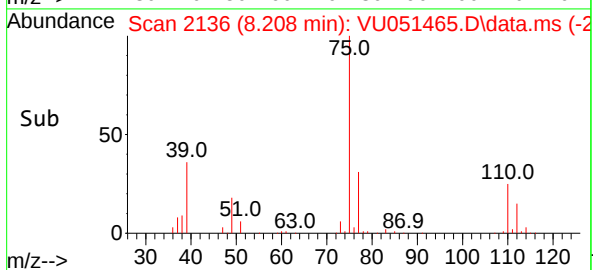
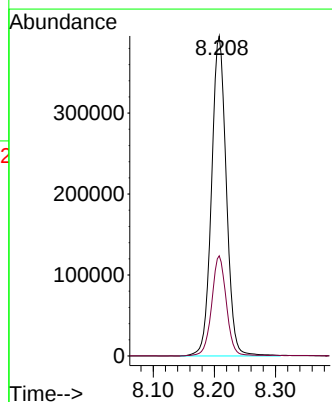
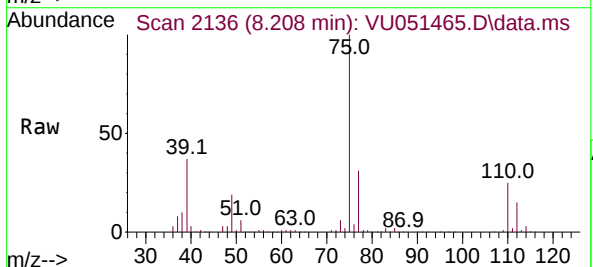
Instrument :
MSVOA_U
ClientSampleId :

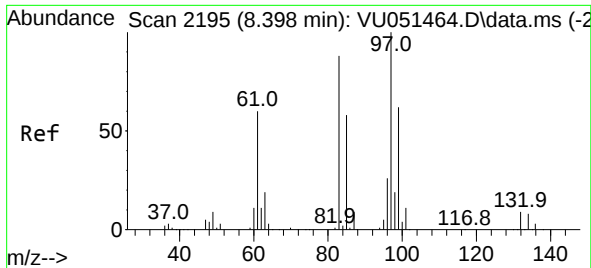
Tgt Ion: 91 Resp: 1898791
Ion Ratio Lower Upper
91 100
92 56.8 39.3 73.1



#44
trans-1,3-Dichloropropene
Concen: 106.172 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

Tgt Ion: 75 Resp: 664844
Ion Ratio Lower Upper
75 100
77 31.3 21.3 39.5



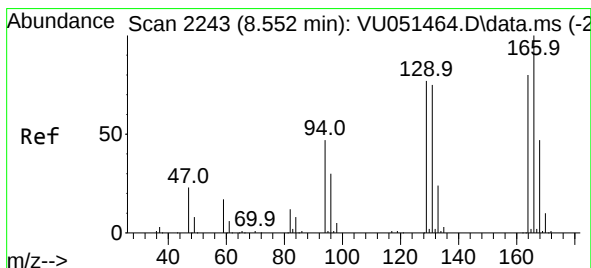
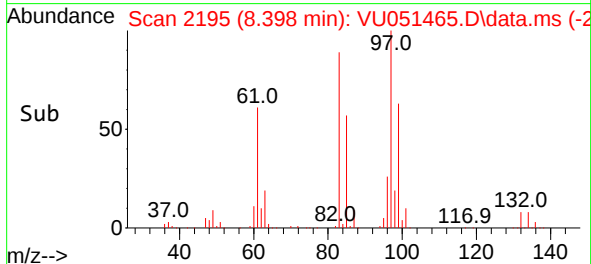
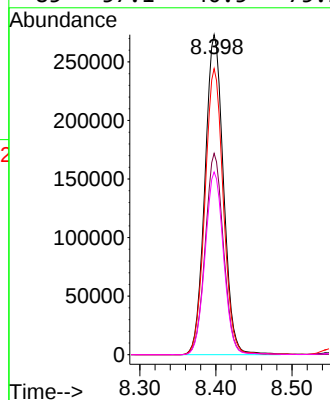
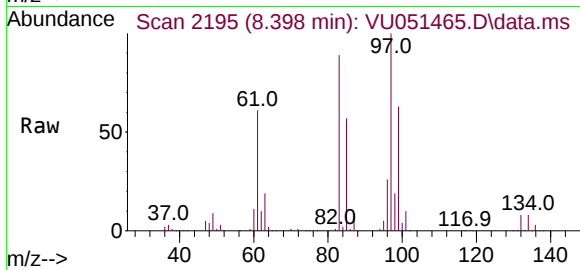


#45
1,1,2-Trichloroethane
Concen: 97.465 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 462872

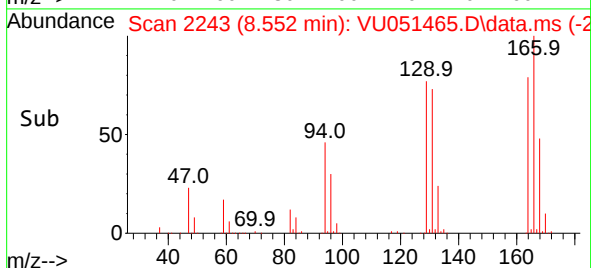
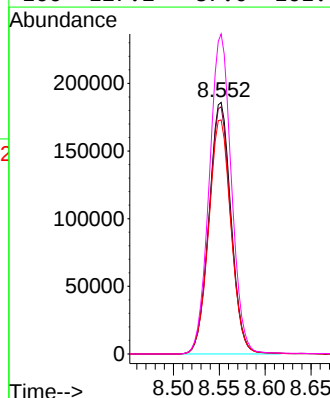
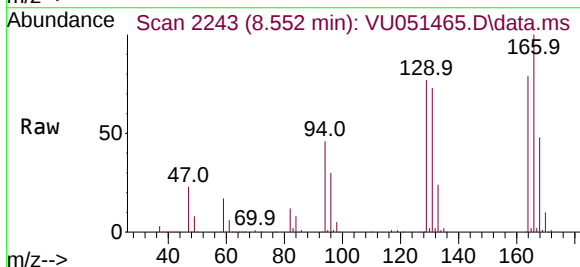
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.6	81.0
83	89.4	61.8	114.8
85	57.1	40.5	75.3

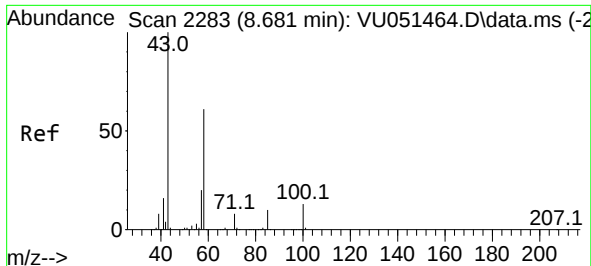


#46
Tetrachloroethene
Concen: 97.113 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

Tgt Ion: 164 Resp: 311773

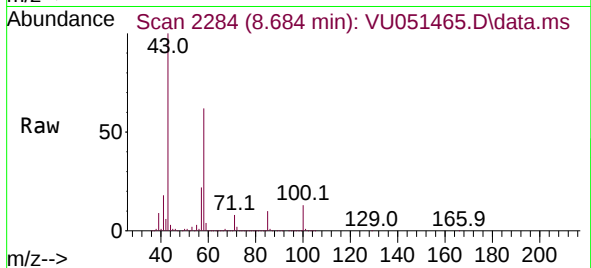
Ion	Ratio	Lower	Upper
164	100		
129	98.3	67.3	124.9
131	93.0	65.2	121.0
166	127.2	87.0	161.6





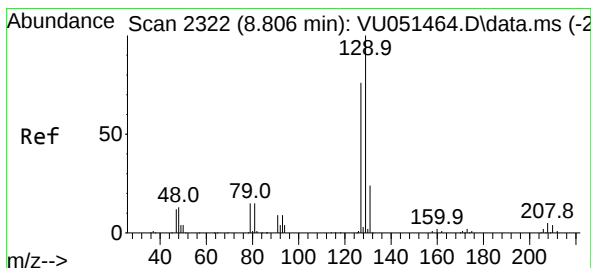
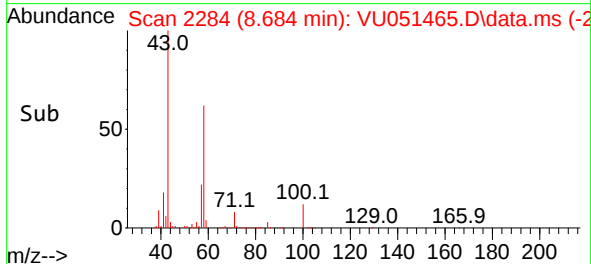
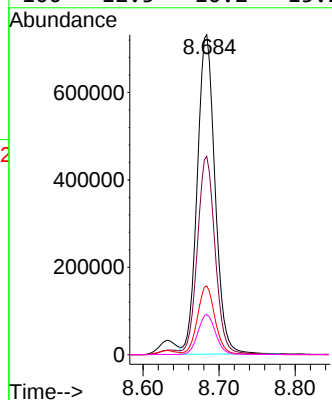
#48
2-Hexanone
Concen: 207.221 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 1188880

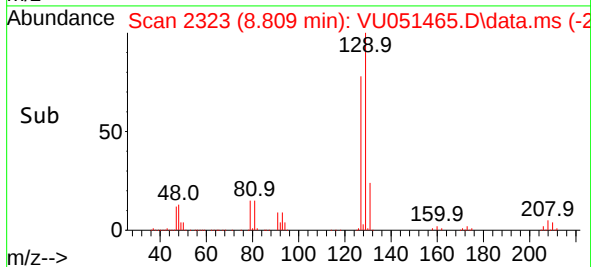
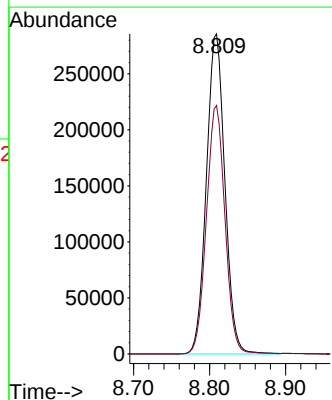
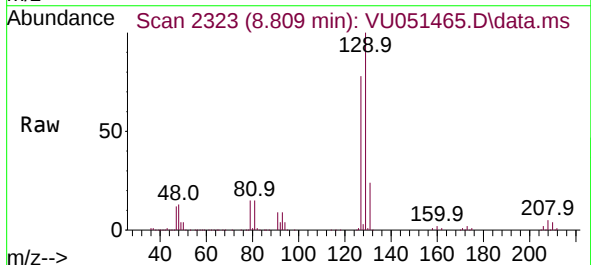
Ion	Ratio	Lower	Upper
43	100		
58	62.1	48.2	72.4
57	21.3	16.4	24.6
100	12.5	10.2	15.2

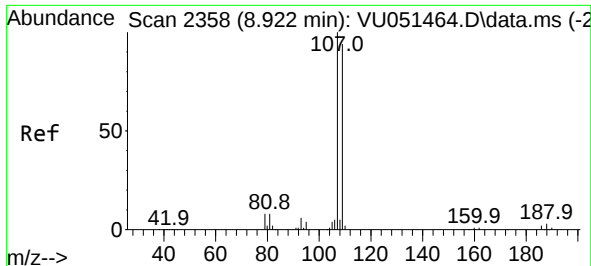


#49
Dibromochloromethane
Concen: 97.213 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

Tgt Ion: 129 Resp: 482884

Ion	Ratio	Lower	Upper
129	100		
127	77.7	53.1	98.5

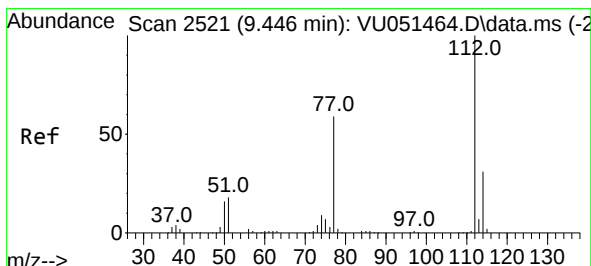
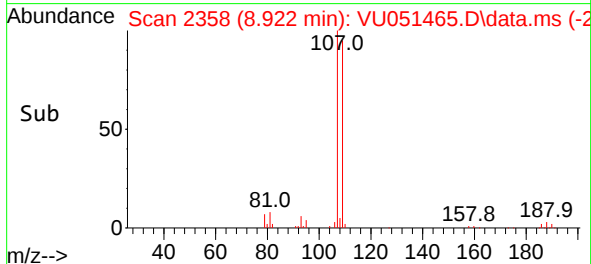
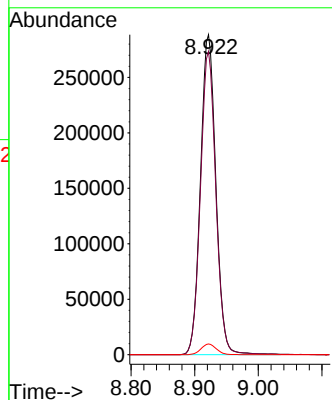
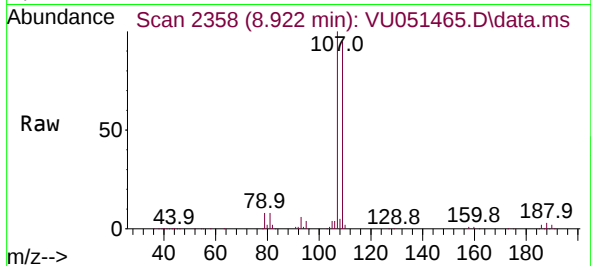




#50
1,2-Dibromoethane
Concen: 95.048 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

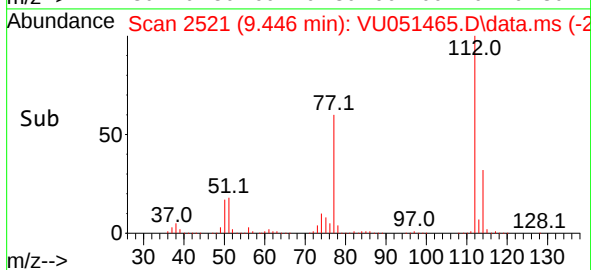
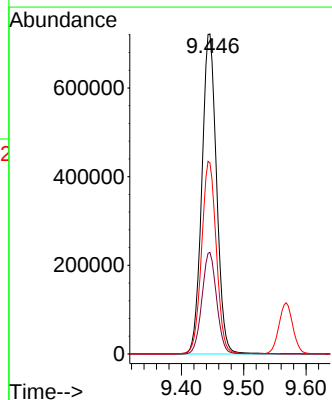
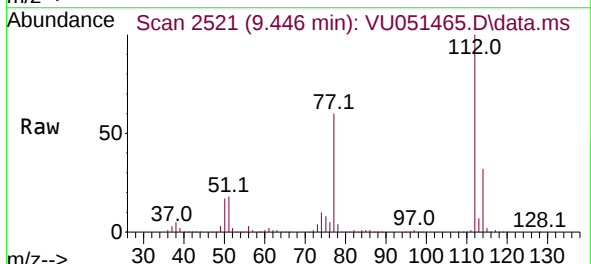
Instrument :
MSVOA_U
ClientSampleId :

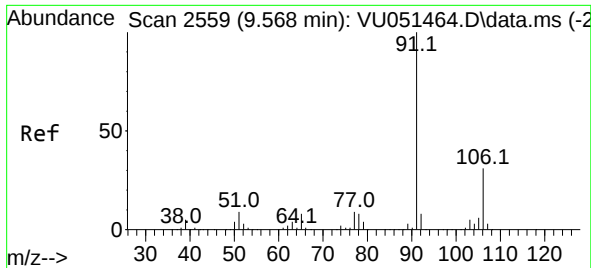
Tgt Ion:107 Resp: 485210
Ion Ratio Lower Upper
107 100
109 94.8 65.8 122.2
188 3.4 2.7 4.1



#51
Chlorobenzene
Concen: 100.305 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

Tgt Ion:112 Resp: 1183478
Ion Ratio Lower Upper
112 100
114 31.8 21.9 40.7
77 59.7 47.3 70.9

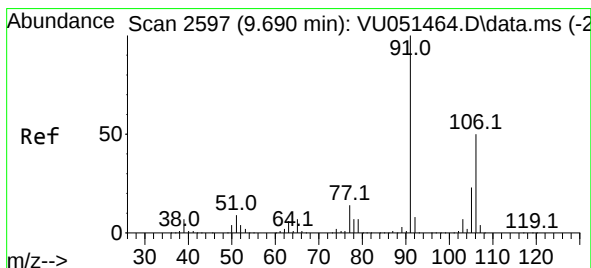
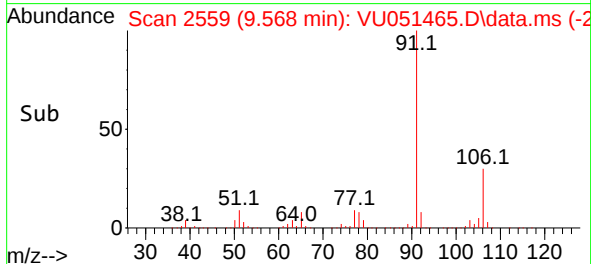
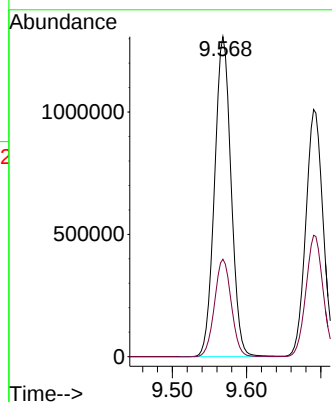
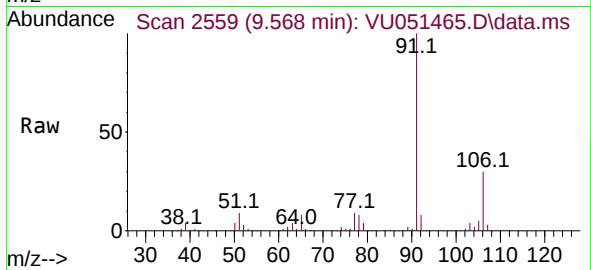




#52
Ethylbenzene
Concen: 110.263 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

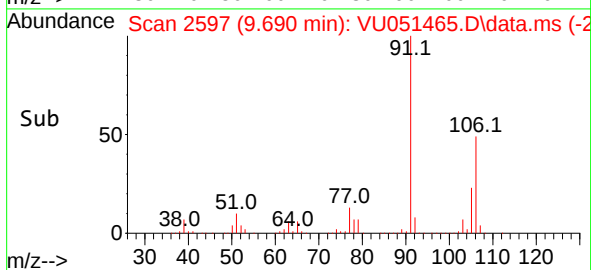
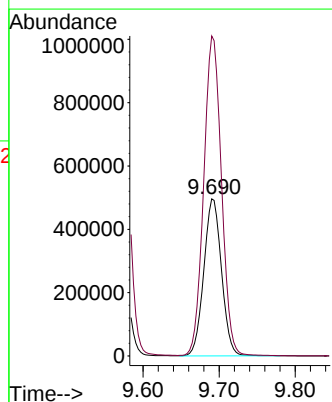
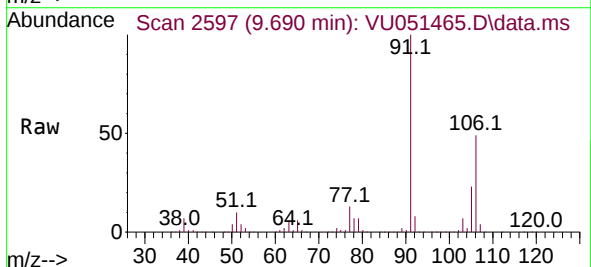
Instrument :
MSVOA_U
ClientSampleId :

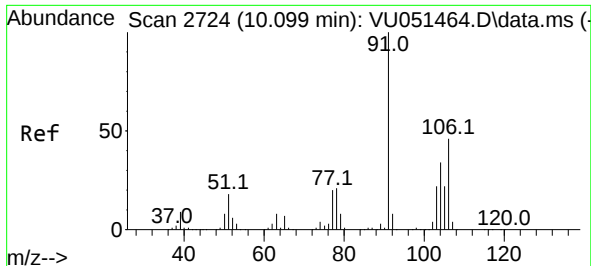
Tgt Ion: 91 Resp: 2024852
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.6



#53
m,p-Xylene
Concen: 114.372 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

Tgt Ion: 106 Resp: 800241
Ion Ratio Lower Upper
106 100
91 203.7 141.3 262.3

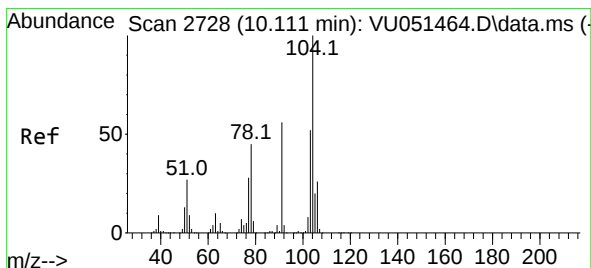
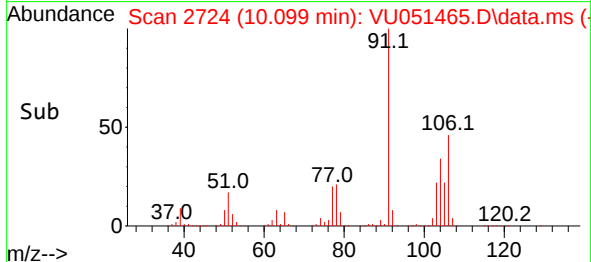
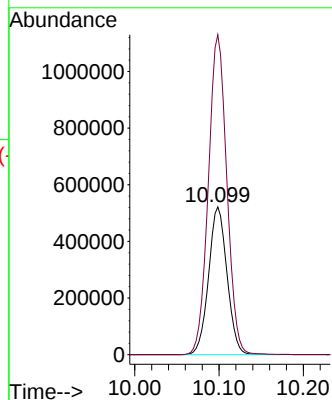
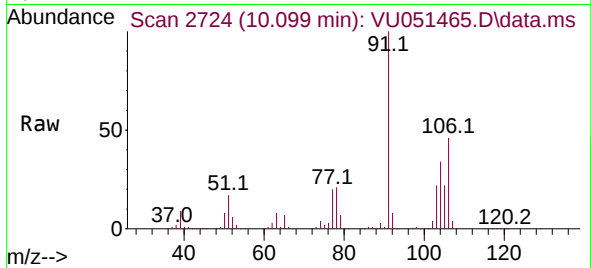




#54
o-Xylene
Concen: 114.000 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

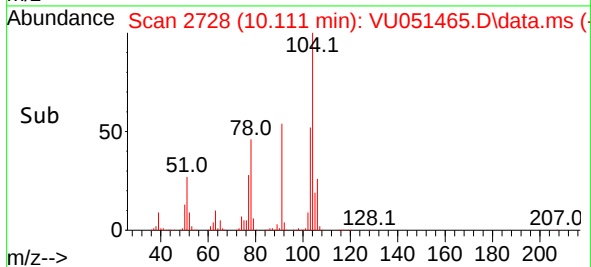
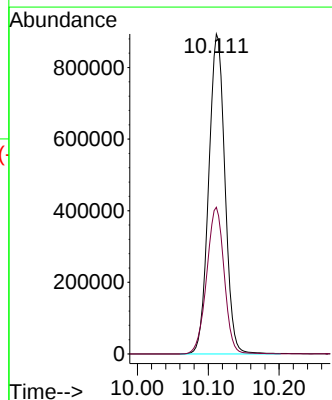
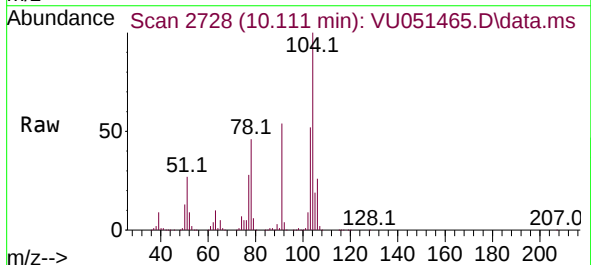
Instrument :
MSVOA_U
ClientSampleId :

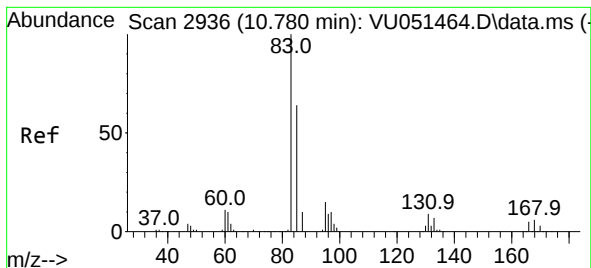
Tgt Ion:106 Resp: 795223
Ion Ratio Lower Upper
106 100
91 216.5 153.2 284.4



#55
Styrene
Concen: 117.830 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

Tgt Ion:104 Resp: 1422222
Ion Ratio Lower Upper
104 100
78 45.9 31.8 59.0

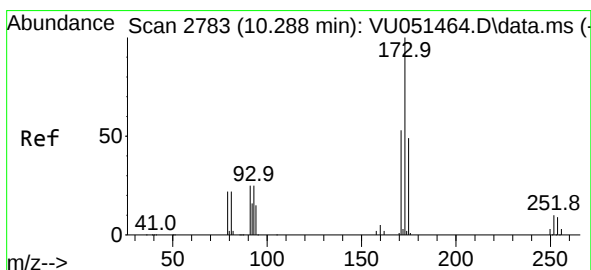
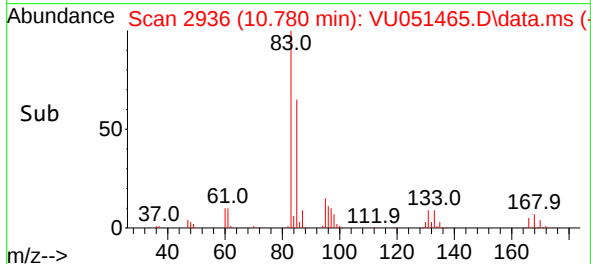
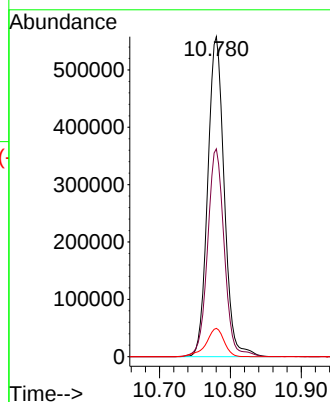
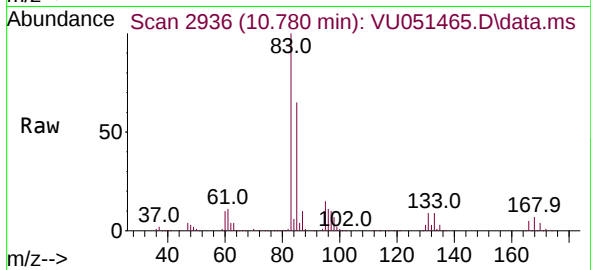




#57
1,1,2,2-Tetrachloroethane
Concen: 106.215 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

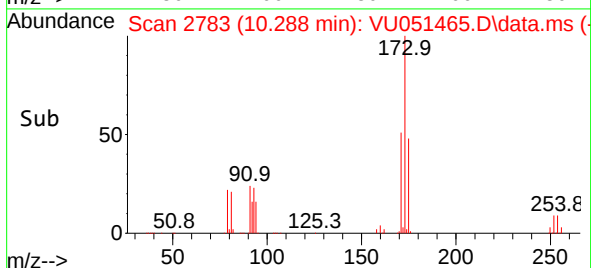
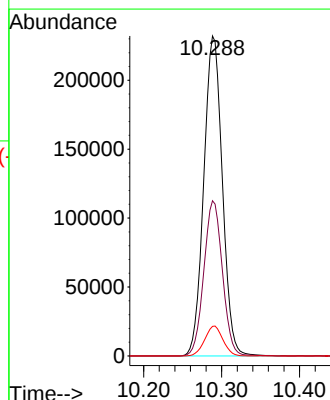
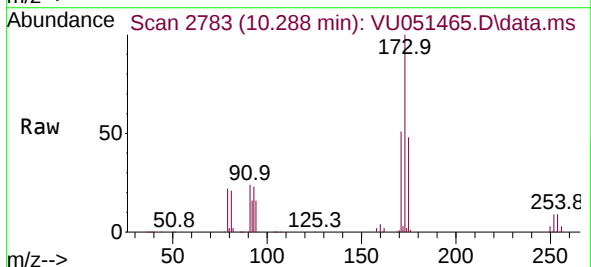
Instrument :
MSVOA_U
ClientSampleId :

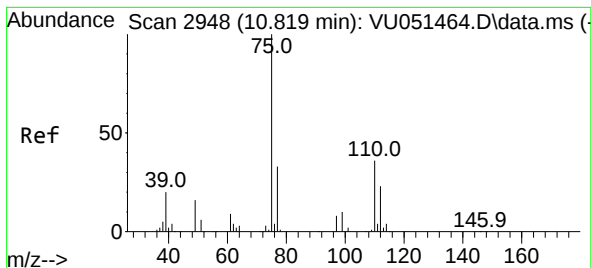
Tgt Ion: 83 Resp: 900235
Ion Ratio Lower Upper
83 100
85 65.0 44.9 83.5
131 8.9 7.4 11.2



#59
Bromoform
Concen: 90.071 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU051465.D
Acq: 20 Oct 2022 11:09

Tgt Ion:173 Resp: 384894
Ion Ratio Lower Upper
173 100
175 48.4 38.4 57.6
254 9.2 7.8 11.6





#60

1,2,3-Trichloropropane

Concen: 90.461 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

Instrument :

MSVOA_U

ClientSampleId :

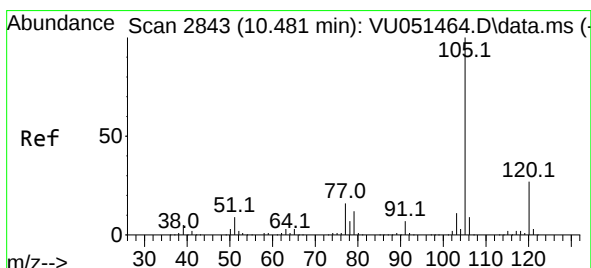
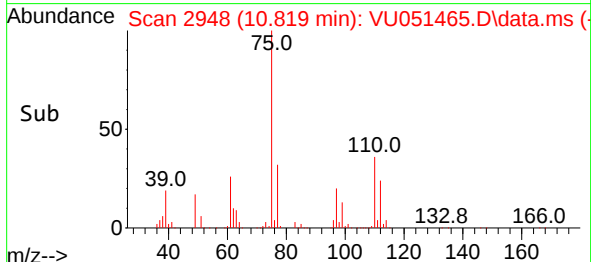
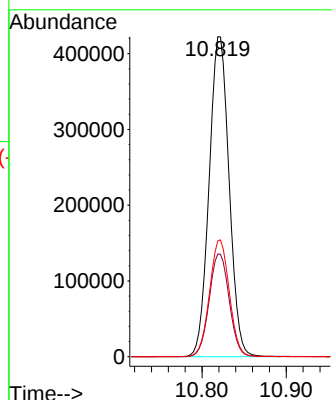
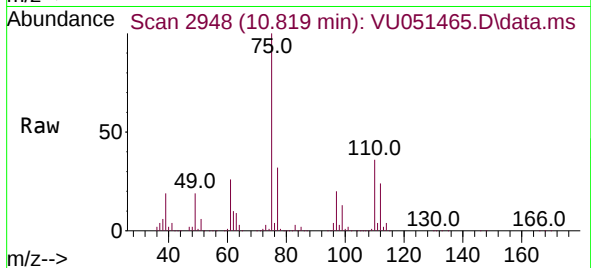
Tgt Ion: 75 Resp: 695494

Ion Ratio Lower Upper

75 100

77 32.1 26.1 39.1

110 36.2 28.7 43.1



#61

Isopropylbenzene

Concen: 106.624 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

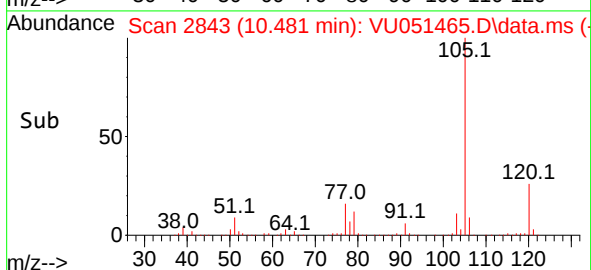
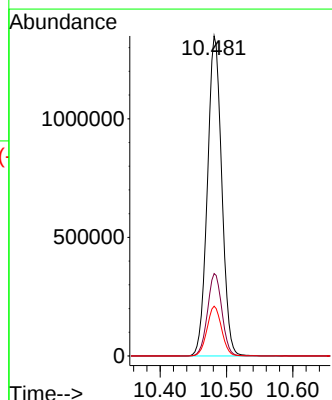
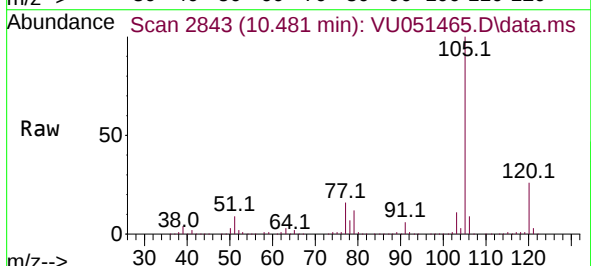
Tgt Ion:105 Resp: 2023165

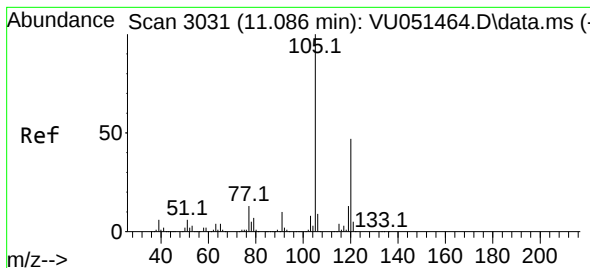
Ion Ratio Lower Upper

105 100

120 25.9 21.1 31.7

77 15.8 12.6 19.0





#62

1,3,5-Trimethylbenzene

Concen: 117.369 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

Instrument :

MSVOA_U

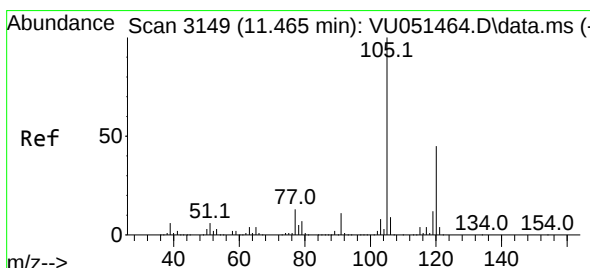
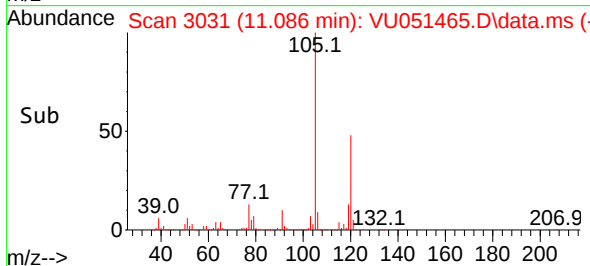
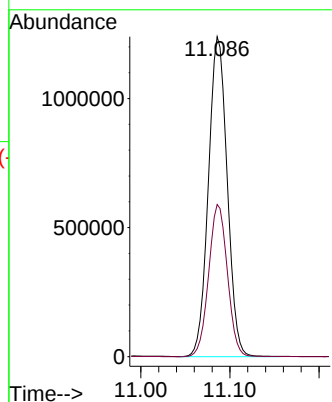
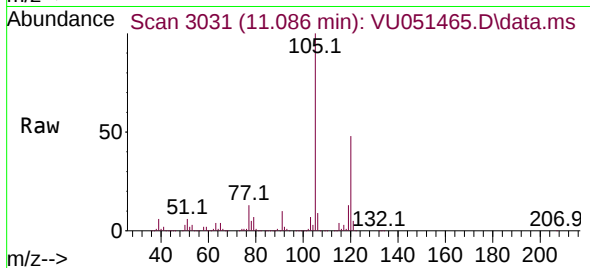
ClientSampleId :

Tgt Ion:105 Resp: 1812122

Ion Ratio Lower Upper

105 100

120 47.4 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 115.541 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU051465.D

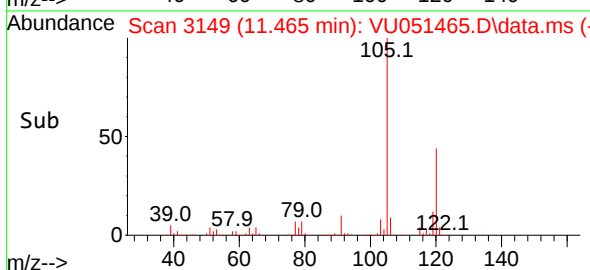
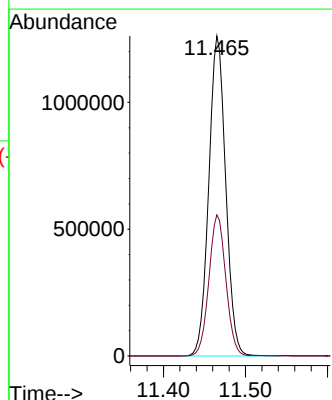
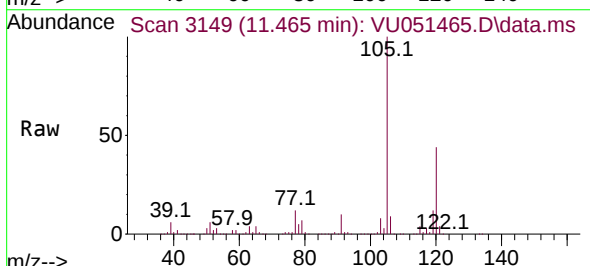
Acq: 20 Oct 2022 11:09

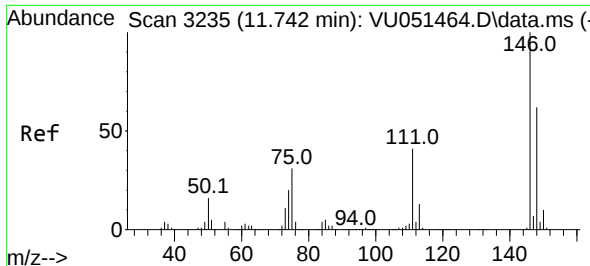
Tgt Ion:105 Resp: 1812340

Ion Ratio Lower Upper

105 100

120 44.2 35.4 53.0

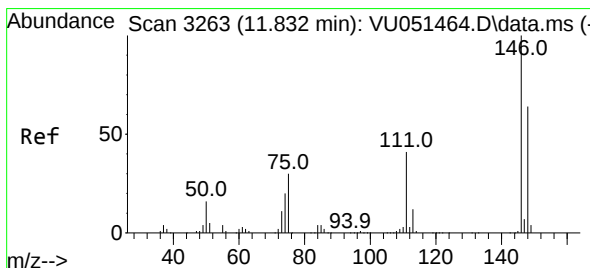
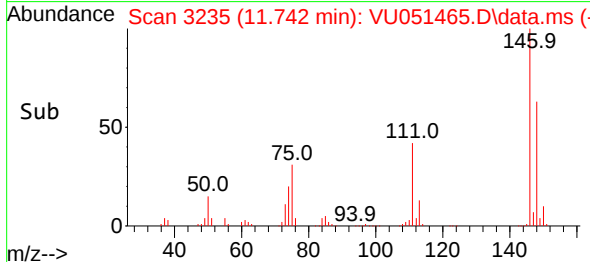
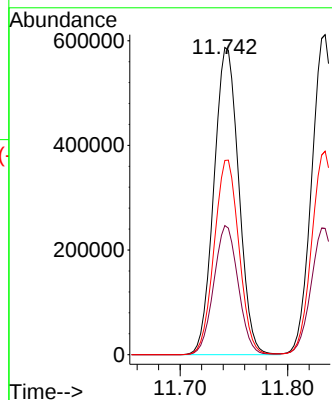
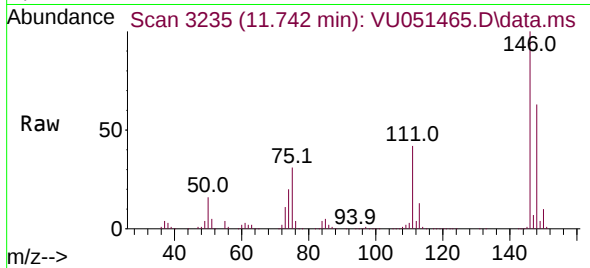




#64
 1,3-Dichlorobenzene
 Concen: 95.686 ug/L
 RT: 11.742 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU051465.D
 Acq: 20 Oct 2022 11:09

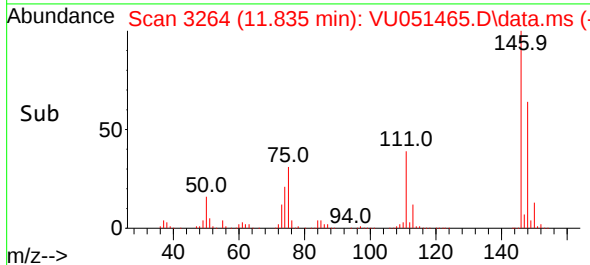
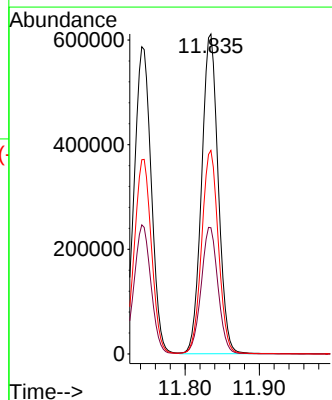
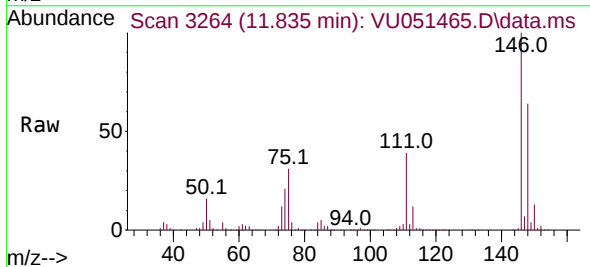
Instrument :
 MSVOA_U
 ClientSampleId :

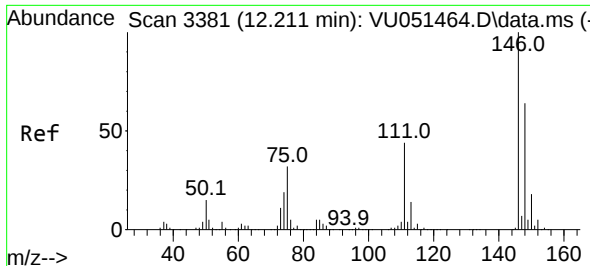
Tgt Ion:146 Resp: 942431
 Ion Ratio Lower Upper
 146 100
 111 42.0 28.7 53.3
 148 63.2 43.2 80.2



#65
 1,4-Dichlorobenzene
 Concen: 97.043 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. 0.003 min
 Lab File: VU051465.D
 Acq: 20 Oct 2022 11:09

Tgt Ion:146 Resp: 951166
 Ion Ratio Lower Upper
 146 100
 111 39.4 28.9 53.7
 148 63.6 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 97.268 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

Instrument :

MSVOA_U

ClientSampleId :

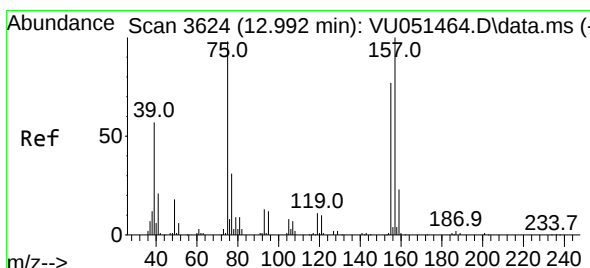
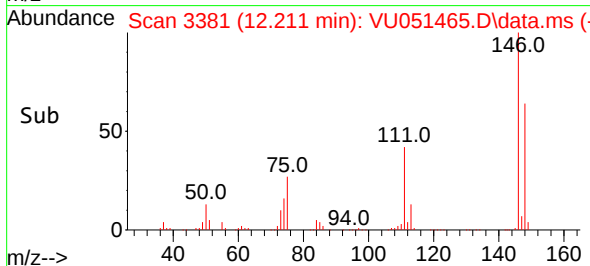
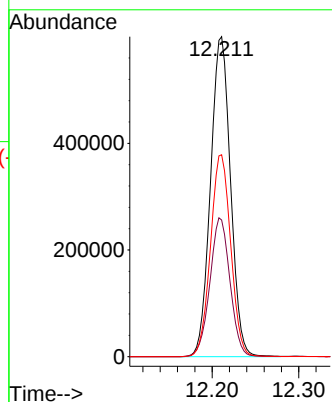
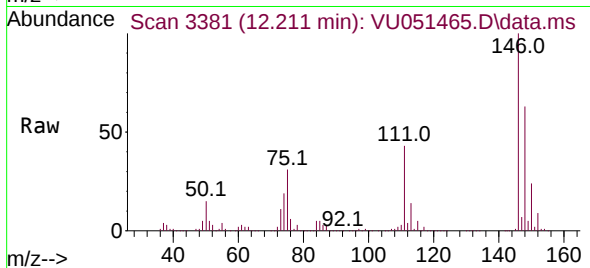
Tgt Ion:146 Resp: 962510

Ion Ratio Lower Upper

146 100

111 42.7 35.3 52.9

148 63.1 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 87.957 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

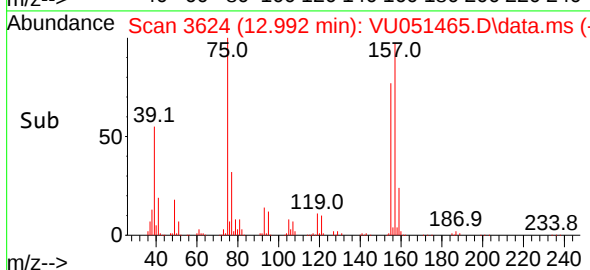
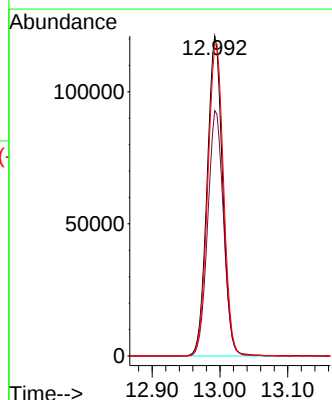
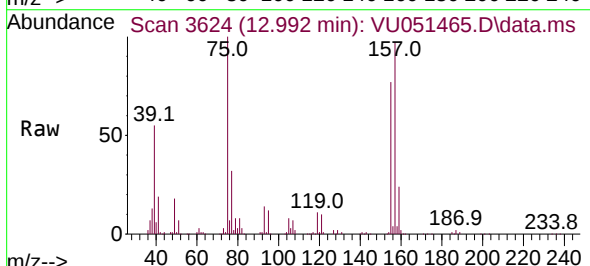
Tgt Ion: 75 Resp: 192121

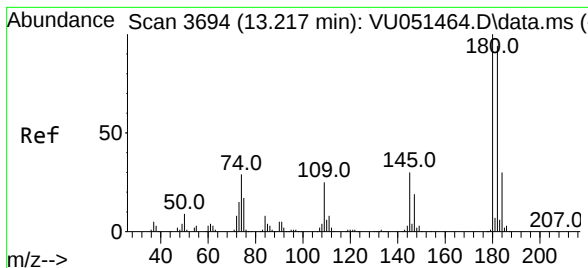
Ion Ratio Lower Upper

75 100

155 76.6 62.5 93.7

157 97.1 81.6 122.4





#69

1,3,5-Trichlorobenzene

Concen: 98.310 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. 0.000 min

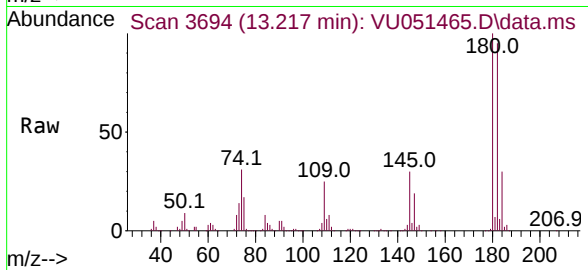
Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 647051

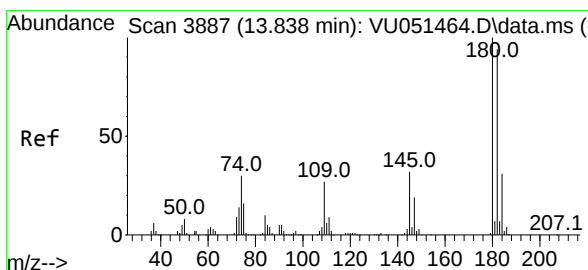
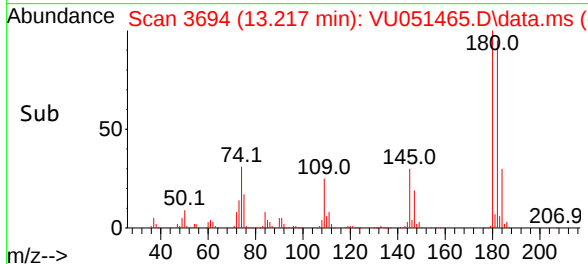
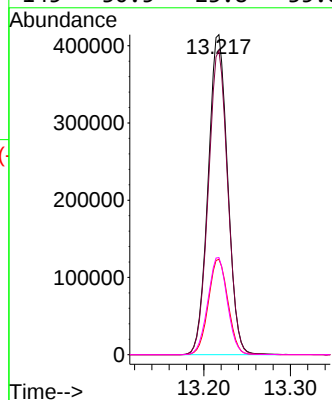
Ion Ratio Lower Upper

180 100

182 95.2 75.6 113.4

184 30.0 23.9 35.9

145 30.5 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 100.533 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

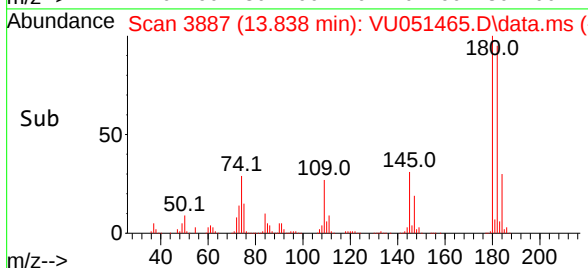
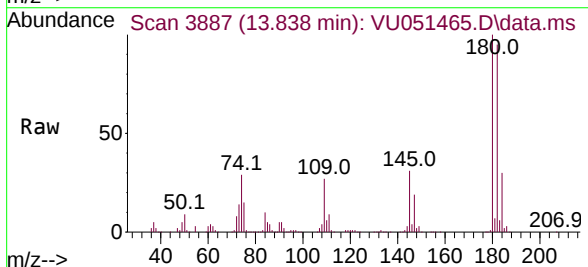
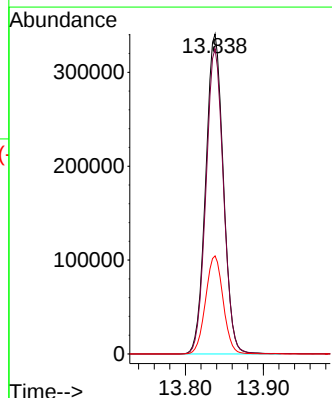
Tgt Ion:180 Resp: 536281

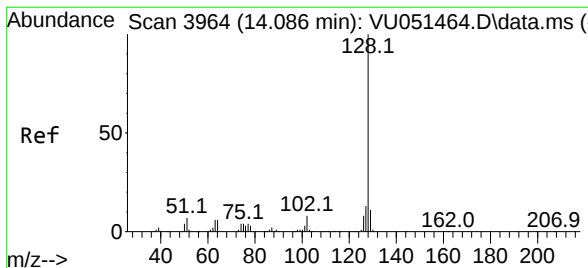
Ion Ratio Lower Upper

180 100

182 94.7 76.2 114.4

145 30.5 25.0 37.6





#71

Naphthalene

Concen: 102.579 ug/L

RT: 14.082 min Scan# 3964

Delta R.T. -0.003 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

Instrument :

MSVOA_U

ClientSampleId :

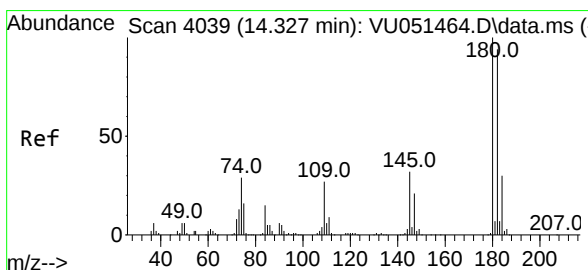
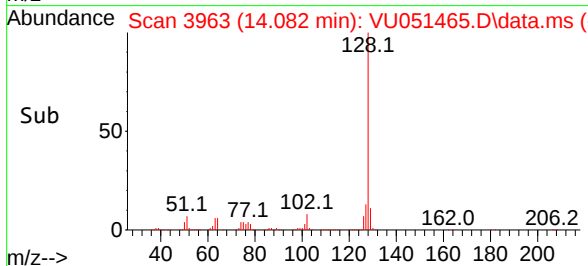
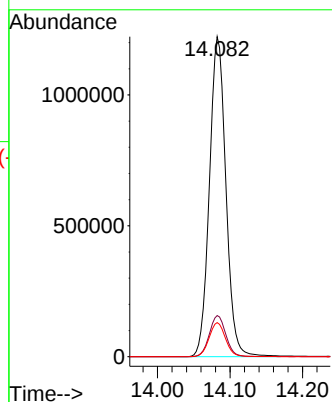
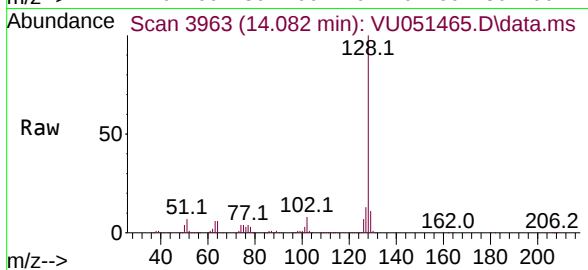
Tgt Ion:128 Resp: 1930272

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 10.6 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 96.931 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.000 min

Lab File: VU051465.D

Acq: 20 Oct 2022 11:09

Tgt Ion:180 Resp: 578086

Ion Ratio Lower Upper

180 100

182 96.0 75.4 113.2

145 33.6 25.3 37.9

